



Hunt Institute for Botanical Documentation
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Carnegie Mellon University
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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.

NO. 11009 DEL
Fidelity Union Sisk
Burrill
January 10, 1968

file
Mr. T. D. Leathers
Burrill Corporation
2223 Fifth Avenue
Pittsburgh, Pennsylvania 15219

Dear Mr. Leathers:

Thanks for your call of earlier this afternoon. This letter is to give you concrete assurance that the order for the microscope parts will go out from here to you as soon as we can make it up.

The ten microscopes to be modified were ordered originally from Burrill under the number 133621, at about the time you guessed over the phone. I enclose a photocopy of a pertinent letter.

We appreciate your cooperation in this matter.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Enclosure: copy of letter

January 10, 1968

412-471-2527

file
Mr. T. D. Leathers
Burrell Corporation
2223 Fifth Avenue
Pittsburgh, Pennsylvania 15219

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AT:kwc

Enclosure: copy of letter

THE PENNSYLVANIA STATE UNIVERSITY
INTER-OFFICE CORRESPONDENCE

Date: March 4, 1968
From: Russell R. Dutcher
To: Department of Purchases

file

With reference to the attached requisition and "Quotation from Burrell" -- we would like to order 10 each of the four items listed on the requisition. These are to replace the 10 flourite objectives listed on Order No. 47199. The total cost for one of these sets is \$181.80 as opposed to \$210.00 for the single item on the original order.

Substituting these four items for the one will give us much better optical resolution and cost the University less money. Thank you for your help.

RRD/pkk
cc A. Traverse ✓

R.R.D.



SHIPPER TRACER

NO. 273570

FROM DISTRICT

PLT

TO DISTRICT

PL

DATE

4-16-68

NO.

273570

TYPE INQUIRY

INQUIRY FROM	SHIPPER NO. 1-83-835	TELEPHONE NO. 471-2527	DID NOT RECEIVE _____ BILL ADJUST. _____	
	ATTENTION OF JIM LAYTON		SHORTAGE _____ OTHER _____	
	COMPANY BURRELL CORP		ATTENTION OF _____	
SENT TO	STREET 2223 FIFTH AVE		COMPANY _____	
	CITY STATE ZIP PITTSBURGH PA 15219		STREET _____	
			CITY STATE ZIP _____	
	ATTENTION OF A TRAVERSE		ATTENTION OF _____	
	NAME PENNA STATE UNIV		NAME _____	
	STREET GEOLOGY DEPT 517 DEIKE BLDG		STREET _____	
	CITY STATE ZIP UNIVERSITY PARK PA		CITY STATE ZIP _____	

PICKUP DATE 3-19-68	PICKUP SHEET NO. 26704	INVOICE NO.	NO. PARCELS & WEIGHT 1 / 3	C.O.D. AMOUNT
MERCHANDISE DESCRIPTION MECHANICAL STAGE				MDSE. VALUE 81.00
OTHER INFORMATION				

PROOF OF DELIVERY OR RETURN

<input checked="" type="checkbox"/> COMPLETED DELIVERY OR CALL	DATE ① 3-20-68	CENTER Lewistown 2
<input type="checkbox"/> INCOMPLETE DELIVERY OR CALL	DATE _____	CENTER _____
<input type="checkbox"/> RETURN ADDRESS SHOWN ON PARCEL	DATE _____	CENTER _____
<input type="checkbox"/> RETURNED TO SHIPPER	DATE _____	CENTER _____

TRACING OF RECEIVER'S SIGNATURE FROM UPS DELIVERY RECORD

BURRELL

CORPORATION

Scientific Instruments and Laboratory Supplies

2223 Fifth Avenue, Pittsburgh, Pennsylvania 15219 • Telephone 471-2527

April 26, 1968

Mr. A. Traverse
Pennsylvania State University
Geology Department
517 Deike Building
University Park, Pennsylvania 16802

REFERENCE: Your Order No. 47199

Dear Al:

This is to follow up our telephone conversation of Wednesday, April 24, concerning the missing mechanical stage on this purchase order.

We are attaching a copy of the United Parcel Shipper Tracer, showing that it was received at Penn State.

If we can be of any further assistance, please do not hesitate to let us know.

Very truly yours,

BURRELL CORPORATION

T. D. Leathers

T. D. Leathers

TDL/mm

enclosure

April 30, 1968

Mr. T. D. Leathers
Burrell Corporation
2223 Fifth Avenue
Pittsburgh, Pennsylvania 15219

Ref: Order No. 47199

Dear Tom:

To my considerable embarrassment but relief, the
"missing" mechanical stage has turned up--in my office.
We are edging ever closer to completing this order!

Thanks for your help.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Mr. Francis Burr
June 4, 1970
Page 2

same time be in some respect a revolutionary figure because these are revolutionary times. You cannot lead if you are too far ahead of the troops, but you equally cannot lead if you are simply admiring the equipment. I believe that you should be looking for a man who is a scholar rather than some prominent political figure, though there are some of the latter who would satisfy most of my other requirements. Within fields of scholarship, I believe that a man in one of the scientific areas, broadly speaking, would be the best choice for the time. I would canvass the ranks of small college presidents, deans of faculties, and chairmen of departments, who possess some of the above mentioned virtues. Perhaps it's too bad that Michigan State got him first because from what little I remember of him (I knew him only slightly), my classmate Cliff Wharton, would have been a good man for the job.

Thank you for asking me, and it has been fun responding.

Yours very truly,

Alfred Traverse
Professor of Geology and Biology

AT:vs1

Fidelity Union Bank
100% COTTON

June 4, 1970

Mr. Francis H. Burr
Fellows of Harvard College
Route 38008
Cambridge, Massachusetts 02138

Dear Mr. Burr:

I was most happy to receive your letter of 28 April regarding Dr. Pusey's successor as President of Harvard College. As an enthusiastic alumnus--and father of a newly admitted member of the class of 1974!--I have a great interest in the selection of the new president. However, even though I am engaged in academic research and teaching, I had no idea that my opinions might be significant, let alone solicited. I have been back to Harvard only once since I got my doctoral degree in 1951--that was to take my son for a look last Christmas.

I am hopeful that Harvard will want to retain its position as the leading American educational institution because I think leadership is needed more than perhaps at any time in the country's history, and I am therefore hopeful that the choice will be of a man with enough understanding of this country as a whole that he will not lead Harvard in some aberrant direction. I would hope, therefore, that the choice would not be of a man whose relative position in the community is as eccentric as was Dr. Hutchins' at Chicago of two decades ago. Somewhat similarly, I would hope that the choice will be a Harvard College graduate, or at least a person who has been long associated with Harvard. I say this not from considerations of tradition but because Harvard men have in their ranks enough talent so that outside search would be unnecessary, and a Harvard man is much more likely to understand and respect the singular position of Harvard which, in my opinion, it is to the advantage of this country to preserve. The candidate should at the

THE FELLOWS OF HARVARD COLLEGE

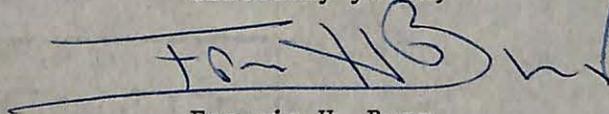
CAMBRIDGE, MASSACHUSETTS 02138

August 14, 1970

Dear Dr. Traverse:

Please let me thank you for your very thoughtful and perceptive letter. I know that the Fellows will find what you have had to say helpful. It was good of you to write.

Sincerely yours,

A handwritten signature in blue ink, appearing to read "Francis H. Burr", written over a horizontal line.

Francis H. Burr
For the Fellows

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

January 17, 1975

Alfred Traverse

Dr. C. Wayne Burnham
204 Deike

This is with regard to the continuing need for student microscopes for teaching of Geology 423. We have seven microscopes which are satisfactory and another ten which are marginal. I think that it is obvious that if we want to have high caliber instruction we should aim toward eventually having a microscope at each position in the teaching laboratory which is of satisfactory caliber. That means sixteen microscopes in all and means that sometime or other, perhaps one at a time, we should acquire another nine microscopes. The reason I bring this up is so that if funds ~~every~~ become available for instructional equipment I might be considered for at least one such instrument. They cost about \$1600 each.

Thank you very much for consideration of this request.

AT/vsi
cc Dr. M.E. Bell

THE PENNSYLVANIA STATE UNIVERSITY

INTER-OFFICE CORRESPONDENCE

Date: January 7, 1975
From: William Spackman
To: C.W. Burnham

Dear Wayne:

Pursuant to the utilization of space in Deike Building after the Environmental Sciences Building is available for occupancy, and as the result of our discussion last evening, I propose the following:

1. The Coal Research Section will relinquish all claim to a total of 12 rooms on the fourth floor. These include the following perimeter rooms: 410, 411, 412, 412A, 414, 434, 436, 437, and 438, with rooms 435 and 435A being retained for Dr. Traverse's use. Also included would be three core rooms, i.e. 426, 427 and 431.

2. The following fourth floor core rooms would continue to be used by Davis, Traverse, Spackman and Cuffey in the manner that they have been, serving both a research and an instructional function: 418, 420, 422, 423, 424, 428, 430 and 432.

3. On the fifth floor, Dr. Traverse would vacate his presently occupied space and this would revert to the functions for which it was originally intended and constructed, as a portion of the Illustrative Services of the Coal Research Section.

4. We would accept Dean Bell's assignment of new Coal Research Section rooms on the fifth floor perimeter, understanding that these include the following: 508, 509, 510, 511, 533, 534, 535, 536 and 537.

5. In the basement of Deike, we would retain use of B-28 and regain the use of B-27.

6. On the sixth floor of Deike, we would retain the use of 604 and 605.

I trust you will find this consistent with our discussion and acceptable to the Department of Geosciences.

Cordially yours,

WS:jpd

THE PENNSYLVANIA STATE UNIVERSITY

DEPARTMENT OF GEOSCIENCES

INTER-OFFICE CORRESPONDENCE

Date: March 17, 1976

From: C. W. Burnham *CWB*

To: Professor A. Traverse

*P.S. The suggestion came from
the students, not me.*

I am holding in my office your request to change Geol. 423 from three to four credits pending further documentation of the need for this change. It is more difficult for undergraduate students to fit a four-credit course into their schedules than it is for a three-credit course; therefore, such a change should have approval of the Biology Department.

Nearly every professor who teaches a lab course in his specialty feels that more time is needed to cover the desired material, but they manage somehow to cover the essential material in a reasonable amount of time. Considering the number of sub-disciplines we attempt to cover in our undergraduate program, it is unreasonable to expect students to devote an inordinate amount of time to any one of them.

relevant
These comments apply only to undergraduate courses (0 thru 499), of course. At the graduate level, only the instructor should decide the number of credits and the amount of effort required for a particular 500-level course.

CWB:pw

① Please inform what documentation you need, and I'll try to provide.

② Biology Department is processing my request — I don't know status of the matter.

③ Paleontology is so "large" (broad?) a topic (as witness co-listing by biology — and anthropology interest, etc.) that it probably should be two terms. Perhaps that's the route I should go? — or first half alternate year, second

April 6, 1976

Alfred Traverse

Dr. W.C. Burnham

As I believe I have told you previously, Dr. Leo Hickey, of the Smithsonian Institution, is a member of the committee for John Bebout. He will be coming up from the Smithsonian for Bebout's doctoral comprehensive examination on 10 June. While he is here I am asking that he present a seminar on his recent evidence on the origin and early history of the flowering plants, one of the most important frontiers in paleontology. The examination is on 10 June, and the seminar talk would be on 9 June, although the afternoon of the 10th would also be a possibility. I am trying to get some money from the Biology Department to help defray the travel expenses of Dr. Hickey--he tells me that the Smithsonian will not provide travel money for this purpose. Is there any chance that the Geosciences Department would be able to make some small contribution to the same purpose--perhaps mileage to and from Washington, or per diem while he is here, or something of the sort?

AT:jb

April 20, 1976

Alfred Turverse

Dr. Wayne Burhhan

Some time ago members of the faculty received a directive that graduate students on assistantships were not to leave the university for extended (> 1 day?) periods during term time. In practice, I find it impossible to enforce this because various professors have entirely different standards, and internal communication is essentially 100%!

May I suggest that such absences require the permission of the chairman of the department or of the graduate major so some one person will have a uniform policy?

AT:jb

Transverse

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
INTER-OFFICE CORRESPONDENCE

Date: May 13, 1976
From: C. W. Burnham *Wayne Burnham*
To: Faculty in the Department of Geosciences

SUBJECT: Salary plans for fiscal 1976-77

The University administration has ruled that salary plans will not be changed from Plan E (44 wks) to Plan A (48 wks) temporarily for fiscal 1976-77. Instead, those faculty members with 10% or more of their 1976-77 annual salaries on outside research budgets are eligible to receive extra compensation in the amount of one-eleventh of their E-plan annual salary for the additional one month of service. This extra compensation will be paid by separate check at the end of the month each person designates as his E-plan "month off"; therefore, it is important that each of you designate at this time which calendar month you plan to take "off."

The E-plan "month off" you designate should be during the Summer Term, except where your research commitments take you away from the University for protracted periods during the academic year. Which one of the Summer Term months you designate is largely a matter of personal preference; however, you might consider the following factors: If you have outside research budgets that release 10% or more of your annual 1976-77 salary, it might be to your advantage to designate July or August as your "month off", so that you would have the use of the money this year. On the other hand, if you do not have the required 10%, it probably would be to your advantage to designate June, 1977 as your "month off," in the event you should secure an outside research contract during the fiscal year that would entitle you to extra compensation.

Whatever you decide, please do it very soon and let me know before Friday, May 28 by filling in the blank space below, signing, and returning to 204 Deike.

July '76
E-Plan "Month Off"

Alfred Transverse
Your signature

P.S. This is a succinctly worded statement, but I still had the feeling I should have consulted my lawyer.

Full
THE PENNSYLVANIA STATE UNIVERSITY
INTER-OFFICE CORRESPONDENCE

Date: April 23, 1976

From: C. P. Thornton *cpt*

To: C. Wayne Burnham

The Geosciences undergraduate curriculum committee has discussed the attached course-change proposal from Dr. Traverse. With regard to the change in course description, we are in favor of anything that will make the catalog description of a course more accurate. With regard to the increase (from 3 to 4) in credits, we have mixed feelings. The course is not now, nor is it likely ever to be a required course in the Geological Sciences major, so that the faculty member teaching the course should have considerable freedom in setting up the format for the course. However, the proposed new format (2 periods of lecture, 4 periods of lab) involved no more time than several of the existing three-credit courses: GSc 4 (2 periods of lecture, 4 periods of lab), Geol. 410 (2 periods of lecture, 1 period of recitation, 2 periods of lab), and Min 463 (1 period of lecture, 6 periods of lab). Thus we would discourage the proposed change in credits simply because it would form a precedent for a similar change in a substantial number of our courses.

2 November, 1978

A. Traverse

C. W. Burnham

Dear Wayne:

Would you approve changing the key for room 432 (the palynology laboratory)? It is at present on a "K"-master, the general Coal Research Section key. The only change I would like the locksmith to make is to make the K-master no longer work, so that Coal Research Section people will get access to 432 through me. I would like 432 to be opened only by a 432 key plus whatever master is appropriate. I have at present no way of controlling the flow of chemicals, etc.

Thanks.

Al Traverse

16 March, 1979

A. Traverse

C. W. Burnham

I have inadvertently got into a mess with Elsevier, as follows: I ordered reprints from them of my paper (with Streeel) on Horseshoe Curve stratigraphy. At the time there was "publication cost" money in my last grant, ample to cover the anticipated charge. The reprints were sent in two batches and, unfortunately, they were separately invoiced. I mistakenly interpreted the first invoice as for the whole order (though I now note that it was marked "partial") as they forgot to include an invoice with the second part of the shipment at the time of mailing. I paid the first invoice with the grant money as planned. In the meantime the grant neared expiration, and the rest of the "publication cost" money was spent for other publications. THEN the second invoice arrived from Elsevier, for the other half of the shipment, a bill for 367 guilders (= \$185.00). I wrote Elsevier about the problem, pointing out that they were at least partly responsible for my fix because of the separate billing and the fact that the second bill arrived some months after the shipment. They have now responded with a reluctant offer to settle for 50%, i.e. 183.50 guilders (as of today, \$91.75). That seems fair, I suppose, but would be a severe blow personally.

Any chance the department could pick up 50% of this, say-- \$45.00, and I'll pay the rest personally?

19 March, 1979

A. Traverse

G. W. Burnham

Just a small, more-or-less annual reminder that if there ever comes to your attention money available for instructional equipment, it would be highly desirable to acquire more transmitted light student microscopes for room 418. At the moment we have adequate microscopes for ten of the sixteen positions in that teaching laboratory, but must use very inferior equipment for the students who draw the other six positions. I realize full well that there may be much higher priority items, but I think that my duty to the students impels me to mention this fact from time to time, so that it can be put on at least one of the back burners.

6 July, 1979

A. Traverse

C. W. Burnham
503 Deike

I am not sure I have previously mentioned to you that Professor Dr. Samime Artüz of the Faculty of Science, University of Istanbul, Turkey, is planning to be with us in the palynological laboratories, etc., during the month of September. I gather she means to be here practically the whole month. It is a part of a tour arranged for Dr. Artüz by Turkish and American authorities. As far as I can tell, it is totally unrelated to the visit earlier this year of Volkan Ediger from Ankara. Dr. Artüz is a very distinguished person with an impressive publication record, and we will enjoy having her here. I am mentioning this so that I can find out what to do to get her regarded as an official visitor as Ediger was, and with the hope that we will be able to provide a temporary desk situation somewhere in the College for her to use during her visit. Perhaps you will want to talk to me about all of this, especially if I'm in trouble for not having asked about it earlier!

9 July, 1979

A. Traverse

C.W. Burnham
503 Deike

Ever since I have moved to 435, I have been be-
devilled by the fact that there are practically no
electrical outlets in the room. The microscopy and ana-
lytical balance tables, for example, have the analytical
balance, two microscopes, the automatic camera apparatus,
a timer and a lamp, all attached by numerous branching ex-
tension cords to one outlet (which itself is located be-
hind a bookcase six feet away from the tables). How would
I go about getting an additional convenience outlet or two
established in that room, particularly on that side?

7 September, 1979

Alfred Traverse

C. W. Burnham

Regarding equipment money from University sources that you mentioned at Faculty Meeting:

1. Some time ago I gave Duff Gold a list of equipment urgently needed to make the departmental darkroom a professional facility (he suggested I give him such a list--it's not too large). Would the dollars you mentioned provide a funding source for this need?

2. We now have 12 good teaching 'scopes for 418, because you found enough for 2 more 'scopes a few months ago. To have one instrument at every place, we should have 16. Obviously, 4 more 'scopes would be very desirable. They are heavily used.

cc: Duff Gold

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
INTER-OFFICE CORRESPONDENCE

Date: August 13, 1979

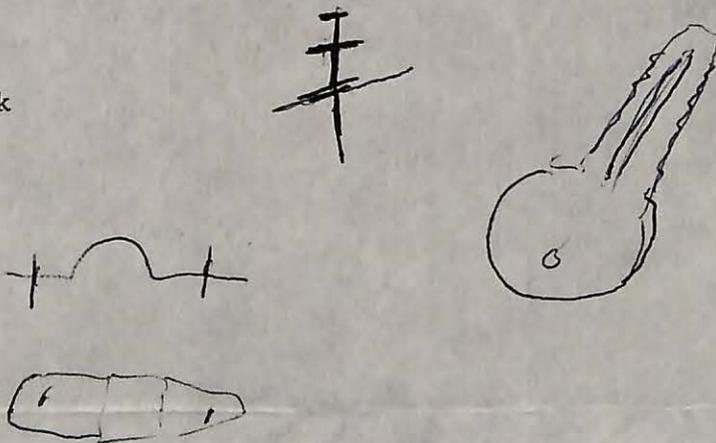
From: C. W. Burnham 

To: A. Traverse

This is in belated reply to your memo of July 6 regarding the visit of Prof. Artüz during the month of September. Carol can arrange to have her appointed as a Visiting Professor, without remuneration. As for desk space, I have no suggestions other than to check with Duff Gold or, perhaps, Bill Spackman. Desk space is always at a premium during the Fall term.

Regarding the additional "convenience" electrical outlet in 435 Deike, the highly inflated cost of installation by M + O could be justified on the general budget only if the present circuits are overloaded to the point of tripping the circuit breakers. The Dean's office might entertain a request to have additional outlets installed as part of the building renovations plan.

CWB/dk



THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES

INTER-OFFICE CORRESPONDENCE

DATE: 4 September, 1979

FROM: Alfred Traverse

TO: Wayne Burnham

The annual meeting of the American Association of Stratigraphic Palynologists is in Dallas in mid-October. I am giving a paper (co-authored by Paul Strother, a former undergrad advisee of mine, now a grad student at Harvard) on the Tuscarora Formation, and am co-author of Deborah Delfel's paper based on her master's thesis. I am also chairman of one afternoon session and will also be representing the International Commission, which will have a Council Meeting at the same time and place.

Assuming that my NSF grant comes through in November as promised, I shouldn't need any travel help for at least two years. Could I have some for this one time? (Perhaps air fare?)

9/25

Al,

Your air fare to Dallas and return will be covered by departmental funds.

Wayne

28 January, 1980

A. Traverse

C. W. Burnham

Because we had to meet a deadline, Charlie Hosler signed this in your absence. Enclosed are the pages I thought might interest you. If you wish to see the rest of the proposal or whatever, I'm at your disposal.

30 January, 1980

Alfred Traverse

G. Wayne Burnham

re: Geosc. 21 I've had to meet a deadline. Charlie Hooley signed this in your absence. Enclosed are the pages I thought might interest you. If you wish to see the rest of the proposal or whatever, I'm at your disposal.

After conference on the subject, Charlie Thornton recently told me that Geosc. 21 would henceforth be taught only in the Fall Term, and that it would be my assignment, starting this year. I am teaching 21 in the Spring Term, 1980, according to my usual schedule. This decision meant I would teach it again in Fall, 1980.

At first, that didn't seem too bad, but now I have begun to realize what this does to my funded projects. The Black Sea project is no longer funded, but the work is (between us) still not complete, and must be done before I go to Zürich, as it is on that work that the project in Zürich will depend, as well as future grant proposals for that sort of research.

Further, I must get a big leg up on the currently funded Triassic project, to make up for my prolonged absence right in the middle of its term.

It seems to me that this back-to-back Geosc. 21 assignment is most unfortunate in its timing--and could really hurt my viability as a grant-getter.

Counter-proposal: why not omit Geosc. 21 in Fall, 1980? It will have just been offered in Spring, 1980. Then I could begin the regular Fall offering of the course in Fall, 1981.

cc: Dr. Thornton

for

THE PENNSYLVANIA STATE UNIVERSITY

COLLEGE OF EARTH AND MINERAL SCIENCES
UNIVERSITY PARK, PENNSYLVANIA 16802

Department of Geosciences
503 Deike Building

Area Code 814
865-6711

December 8, 1980

Professor Alfred Traverse
Geologisches Institut
ETH-Zentrum
CH - 8092 Zurich

Dear Al:

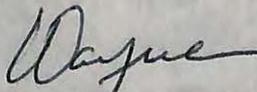
I received your note of November 23 - glad you are enjoying the scenery. The purpose of this letter, however, is unrelated to Alpine geology or scenery.

I received a call from Tom Wright, NSF Geology Program, regarding your proposal (EAR-8025276) to support Duck Choi's study of the "Paleopalynology of the Eureka Sound Formation, Ellesmere and Axel Heiberg Islands, Arctic Canada." The panel thought the study was worthy of support and NSF would like to support it, but they will not fund a research proposal that is almost exclusively for the financial support of a graduate student who is a foreign national.

NSF has a program designed specifically to support doctoral dissertation research, but this program will not pay salaries (stipends), overhead, or fringe benefits and is limited to a total of approximately \$8000. Choi would qualify for this program, but his stipend and tuition support would have to come from other sources.

What to do? I don't know, but I think it would be wise for you to get in touch with Tom Wright before you make a decision.

Sincerely,



C. Wayne Burnham
Head, Department of Geosciences

CWB:cv

file

24 December, 1980

Dr. C. Wayne Burnham
Head, Department of Geosciences
503 Deike Building, PSU
University Park, PA 16802

Dear Wayne:

Yours of 8 December (postmarked 9 December) took until 24 December to get here--amazing as most of my mail has been coming in 6-8 days. Makes one wonder if mail sits somewhere at PSU for days before being delivered to the USPO.

The news re the proposal to support our Arctic study is disheartening. I had talked with T.W. at NSF previously, and he told me substantially what he told you, except (a big except!) I did not hear that the \$8000 would provide no stipend for Duck. That's what we need the money for, as Buzz knows too well! What on earth would the \$8000 cover, I wonder? From what TwW. had said to me, I thought we should take the \$\$, as half (well, third) of a loaf is better than none! Perhaps that is still true--could you work some sort of "deal" internally to use the \$8000 somehow and thus release an equivalent amount for Duck's stipend? See copy of letter to Wright enclosed. I would like you to have power-of-attorney to work out the best deal you can for us.

"Im Zukunft" I am certainly going to be hard to persuade to take on a foreign grad student without either support or enough fluency in English even to be used as a teaching assistant. It has been a nightmare for Buzz and me both.

Betty and I join in wishing you and yours a peaceful 1981.

Yours very truly,

Alfred Traverse
Visiting Professor

AT-et

P.S. It's ETH's 125th anniversary too--but they are making more of a deal of it than PSU.

encl: copy of letter to T. Wright

5 January, 1981

Dr. C. Wayne Burnham
Pennsylvania State University
Department of Geosciences
503eDeike Building
University Park, PA 16802 USA

Dear Wayne:

I hope the NSF thing could somehow be straightened out to our advantage. It is very difficult to get permission and twice as expensive to call USA from our office as vice versa--so I must depend on letters.

Another, not very urgent question--I mean, answer it, but at your convenience. What are my "statutory" obligations as far as Summer Term is concerned? Do I have obligations I don't know about? Reason for asking is that I "must" (if I can raise at least some of the cash) attend the International Botanical Congress in Australia next summer. I have been for years Secretary of the Fossil Plant Committee for these Congresses, and this year is a crucial year. That occurs in August. Of course, with the Chinese lady coming, and my graduate students needing me, I must get back to them in May, but field work and the Congress will kill a lot of the summer too. Is that o.k.?

All the best.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

P.S. Betty went skiing in the Engadine for part of the holidays--I stayed here, among other things working on my German--I must give at least one German lecture!

23 March, 1981

Dr. C. W. Burnham, Head
Department of Geosciences
Pennsylvania State University
503 Deike Building
University Park, PA 16802 USA

Dear Wayne:

Just to keep you informed--the enclosed. Please pass it along to Mary Neilly, if she still collects such items. You might also be interested, and you could pass along to her, that I have given invited lectures to the Botanical Institute and Society, University of Basel, and to the Geological Survey of Czechoslovakia, Prague, on my Black Sea work. I am scheduled to do the same in Turkey (Univ. of Istanbul, Geological Survey in Ankara, and Aegean University in Izmir (Smyrna)) in early May. Have had a hellish bout with 'flu'.

Best wishes.

Yours very truly,

Alfred Traverse
Visiting Professor

AT/et

encl: copy of letter from President Oswald

6/30

-81

Dear Al and Betty:

The "Party for Estelle" on the 13th turned out to be an overwhelming occasion for both of us, thanks in large measure to your thoughtfulness, coming at a time when Estelle was relatively free from pain and less than a week before our 38th wedding anniversary, it could not have been more appreciated.

With sincere thanks,
Wayne & Estelle
Burnham

4 September, 1981

Alfred Traverse

C.W. Burnham

re Sabbatical Report

Enclosed are three copies of my sabbatical report. According to the regulation, it is supposed to be transmitted via you to Dean Hosler and President Oswald. Hence the three copies!

1) November, 1981

Alfred Traverse

C. Wayne Burnham

re: yours of 30 October:

My present research concerns primarily three things:

1. Late Neogene paleoclimatology and biostratigraphy of DSDP Leg 42B cores (Black Sea), based on palynology. The palynology of Black Sea sediments is a long-standing research interest, both before and after my participation as on-board scientist on the Glomar Challenger in 1975.

2. Paleopalynological-paleobotanical investigations in the North American Triassic/Jurassic. Dunay, Cornet and Robbins Ph.D. theses have already been produced in this ongoing project. The work embraces paleoecology, plant-evolution, and such ancillary matters as Triassic lake chemistry, as well as biostratigraphy.

3. The history of the first land-plants, based on studies of lowest Silurian rocks of eastern North America.

17 December, 1981

Alfred Traverse

C.W. Burnham

One of the main areas of paleopalynology is the biostratigraphic use of dinoflagellates. It happens that I am a relative neophyte as far as dinos are concerned, and yet their study is often important in our projects. For years I have wanted to attend one of Bill Evitt's short-courses at Stanford, to enhance my technical know-how and understanding of this important area of study (see xerox of letter attached).

Trouble is, it costs a fair amount of money--\$975 fee, plus, of course, transportation to and from Stanford.

Can you suggest any fund at Penn State that is earmarked for faculty remedial study, or whatever, to which I could apply? I am willing to share the cost, but I certainly can't come up with the \$1500 or so that seems necessary.

attachment: letter from Professor Evitt

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES

INTER-OFFICE CORRESPONDENCE

DATE: 15 February, 1982

FROM: Alfred Traverse

TO: C. W. Burnham

Several times a year people not connected to our projects, sometimes only indirectly connected to Penn State (alumni), ask to use the palynological laboratory facilities. I have always been quite free about this. Usually the number of samples processed has been small, and the consequent impact on our chemicals and space minimal. However, the most recent episode has cost my research budget, so far, close to \$100 for chemicals. I have decided we need to do something about this. Rather than just forbid it, how would you feel about an hourly fee (plus materials) for people not taking courses, who are also not my graduate students? Would you approve, say, \$5/hr., plus materials?

3/18

Al,

Because we have to account for all cash receipts, the amounts generally involved would not be worth the bookkeeping involved. For the larger uses by outsiders (alumni, etc.), I suggest you levy a usage fee (minimum of ¹⁰⁰ \$100) that will cover your losses from minor uses. This money will then be placed in our misc. contrib. fund and you can draw upon it as you need it for replacing supplies or other purposes. Your grant funds, however, should not be used to subsidize non-project work.

AJB

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES

INTER-OFFICE CORRESPONDENCE

DATE: 17 December, 1981

FROM: Alfred Traverse

TO: C.W. Burnham

One of the main areas of paleopalynology is the biostratigraphic use of dinoflagellates. It happens that I am a relative neophyte as far as dinos are concerned, and yet their study is often important in our projects. For years I have wanted to attend one of Bill Evitt's short-courses at Stanford, to enhance my technical know-how and understanding of this important area of study (see xerox of letter attached).

Trouble is, it costs a fair amount of money--\$975 fee, plus, of course, transportation to and from Stanford.

Can you suggest any fund at Penn State that is earmarked for faculty remedial study, or whatever, to which I could apply? I am willing to share the cost, but I certainly can't come up with the \$1500 or so that seems necessary.

attachment: letter from Professor Evitt

TO AT
DATE Thurs. TIME 9:45

WHILE YOU WERE OUT

M. Wayne Burnham ✓
of (Carol)

Phone _____

- | | | | |
|--------------------|-------------------------------------|--------------------|--------------------------|
| TELEPHONED | <input type="checkbox"/> | PLEASE RETURN CALL | <input type="checkbox"/> |
| CALLED TO SEE YOU | <input checked="" type="checkbox"/> | WILL CALL AGAIN | <input type="checkbox"/> |
| RETURNED YOUR CALL | <input type="checkbox"/> | RUSH | <input type="checkbox"/> |

MESSAGE OK to authorize
repair of binoc
scopes. Dept. will
pay.

Signed BT

The Standard Register Company

Nichter -
301-762-5116

7 December, 1982

Alfred Traverse

Wayne Burnham

Just so I can "report in" to somebody:

1. National Research Council asked me to host a Yugoslav professor for a week. (You met him this morning.) I could hardly refuse, I guess. Attached schedule for his visit is self-explanatory.
2. I will be visiting Germany in January to give lectures at Kiel and Göttingen and to work on a potential research proposal with a colleague in Frankfurt. This was the last pre-Semester-System time that such a winter trip to Europe (when their students are around to hear me) would be possible. Itinerary attached.

Thanks for reading.

AT/et
attachments

TO AT

DATE 12-13 TIME 9:35

WHILE YOU WERE OUT

M. Carol

of _____

Phone _____

- | | | | |
|--------------------|-------------------------------------|--------------------|--------------------------|
| TELEPHONED | <input checked="" type="checkbox"/> | PLEASE RETURN CALL | <input type="checkbox"/> |
| CALLED TO SEE YOU | <input type="checkbox"/> | WILL CALL AGAIN | <input type="checkbox"/> |
| RETURNED YOUR CALL | <input type="checkbox"/> | RUSH | <input type="checkbox"/> |

MESSAGE Dr. Burnham
wants to know if you
have classes this term
and if so, who is
going to cover for you
while in Germany?

Signed _____

15 March, 1983

Alfred Traverse

C. Wayne Burnham

This is to get something in writing about the space needs for the palynology program. First of all, we really need a microscopy room. The \$13,000 fiber-optics scope + camera arrives one of these weeks. Where to put it is a problem (and a suitable, firm enough table for it could also be a problem!). Second, I need office space for Dr. Jiang as of September, 1983. My current post-doc is marrying a Penn State professor and will, it now appears, be more or less permanent here. She is a real asset to our program and its credibility, and requires only office space, so it makes sense to provide in this small way for her. An office that she and Dr. Jiang could share, and which could contain some of the microscopic equipment would be ideal, preferably in the near vicinity of the rest of the palynology operation.

24 May, 1983

A. Traverse

C. W. Burnham

re: Geol. 596 "R" grades

Records tells me that it would be normal for Geol. 596 to be eligible for "R" (as in Geol. 600)--indeed "596" is so eligible in some programs. However, to make this legal, the department has to petition through the senate for it to be approved. We never have, apparently. Is there any reason not to have this flexibility for our 596?

Date: June 10, 1983

From: David Glick

To: Dr. A. Traverse

Re: missing medical-type Olympus microscope

On Friday, May 20, 1983 a microscope was found to be missing from cabinet 8, room 418 Deike Building. The room was currently in use for laboratory sessions of Geosciences/Biology 420, Paleobotany. The loss was discovered by the student to whom the microscope was assigned in that course, Scott Wendler. He reported that to the best of his knowledge both the cabinet and drawer at position 8 were locked the previous day, but both were found unlocked and the microscope was missing on May 20. Nothing was missing from the drawer, which contained all his laboratory notes and assignments for the term.

At the time I was assisting Dr. Spackman in presenting paleobotany laboratory lessons. I spoke to Drs. Traverse, Spackman, Davis and Cuffey, none of whom were aware of anyone borrowing the microscope. By comparison of remaining microscopes to the Penn State inventory, the missing microscope was found to be PSU # 5-68617, serial # 215874.

David C. Glick

14 June, 1983

A. Traverse

C. W. Burnham

re: stolen microscope

Attached is a xerox copy of the report of a grad assistant re the subject scope.

For instruction of Geosc 423, Geol. 526 and special studies, we need to replace this microscope. Cost is about \$800. Are you in a position to authorize this?

AT/et

attachment

14 June, 1983

A. Traverse

C. W. Burnham

re: Broken glass in hood door in palynology lab

C. Houser has investigated this, and we believe replacement of the glass by plexiglas is the correct approach (would resist HF attack). Apparently maintenance funds will pay for it.

March 12, 1984

Returning to your "largely unpaid research assistant", I have not expressed approval or encouragement for Elizabeth Traverse's efforts, because I do not approve of nepotism. The fact that you hired your wife on a federally-sponsored grant budget and are her supervisor places you in clear violation of University policy (PS-59) and, perhaps, of federal regulations. I have looked the other way in this matter, because it seemed to be in your best interest and for the good of everyone concerned. Again, for your benefit, Dean Hosler and I looked the other way in another violation of University policy; i.e., when you received a monthly salary of 5,000 Swiss francs while on full sabbatical-leave pay from the University.

I am ready to discuss these and other matters with you at any time. You may prefer, however, to discuss them first with Dean Hosler.

CWB/sm

cc: Dean C. L. Hosler

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
INTER-OFFICE CORRESPONDENCE

Date: March 12, 1984
From: C. W. Burnham, Head, Department of Geosciences
To: Professor Alfred Traverse
Re: "Chairman Evaluation"

I am deeply dismayed--but not really surprised--at the devious way you have chosen to vent your frustrations over my refusal to purchase, with University funds, a \$6,000 PC for the private use of yourself and your unnamed, "largely unpaid research assistant". I shall return to this paid research assistant (Elizabeth Traverse) later; first, I will direct my response to the fallacy of your basic premise that the straw man you have conjured up is your "supervisor".

As Head (not Chairman, as you incorrectly referred to me) of this "vast" department, as you call it, I am not your supervisor or the supervisor of any other faculty member. I do not supervise your teaching and I do not supervise your research; any attempt to do so would be a violation of your academic freedom and an infringement of your faculty rights and responsibilities. As a professor and, therefore, a member of the learned (?) profession, you and you alone are responsible for your teaching and for your research. If student evaluations of teaching effectiveness indicate that you are not fulfilling your responsibilities in teaching, then it becomes my responsibility to do something about it. On the other hand, if these evaluations indicate that you are doing an outstanding job of teaching, then it would be appropriate for me to acknowledge that fact. The fact is, however, that Geosciences students who have taken your courses over the past five years--and there are not many--rate you as a slightly better than average teacher, hence no accolades or criticisms from me.

The conduct of high quality, externally funded research that contributes to the graduate programs in the Department of Geosciences is also one of your responsibilities as a faculty member in this Department. Admittedly, some of your colleagues are not fulfilling their responsibilities in this respect, despite my efforts, but others, including your Department Head, generate far more external support for our graduate programs than you do, year in and year out, and none of them expects the Department to provide a PC for private use. In both research and teaching, then, you are fulfilling your basic responsibilities, but there are others who are doing a lot more. There are also others who were doing a lot more during the years you were drawing full salary from the University, but devoting a great deal of time to extra-University activities as a minister.

14 November, 1984

Alfred Traverse

C. Wayne Burnham

For teaching purposes I need a small TV camera and monitor. This would very greatly improve the quality of lab instruction, and could often be used in lecture as well.

While it is true that a TV-microscope exists in the college, and I have tried dutifully to use it, the fact is that it is very unsatisfactory. It is a color outfit with a 17" monitor. The resolution for our purposes is poor. Black and white with a 10" monitor gives much better resolution. Further, in order to use the existing outfit (which is primarily set up for mineralogy) it must be largely disassembled, and parts from my microscopes substituted--about a 1½-hour job for disassembling, assembling and restoration of the status quo for each use--a great waste of time.

The supplier of our Olympus microscopes is New Jersey Scientific. They have demonstrated an outfit that works beautifully for our purposes:

Ikegami monitor and camera:	\$495
Olympus trinocular tube 30°	322
Adapter for camera to Olympus scope	35
	<hr/>
total	\$852

Dean Cahir has told me that he would strongly support this for consideration for end-of-the-year equipment money earmarked for instruction, if you would put it on your departmental list. I hope you can see your way clear to do so.

7 December, 1984

Alfred Traverse

C. W. Burnham

Within the last week one of our photometers for use with the microscope-cameras in Room 434 has breathed its last. The instrument was once previously rebuilt with research funds, three years ago, at a cost of about \$400. Opinion of Bunton Instruments is that a second rebuilding is not indicated. A new unit is \$631.00. I would like to have this considered for end-of-year research equipment money (if any). The unit is heavily used by grad and undergrad students and by me.

1 August, 1985

Alfred Traverse, Professor of Palynology, 435 Deike

✓ C. Wayne Burnham, Head, Department of Geosciences, 503 Deike

re professional meetings this fall

I have two meetings I need to attend during Fall Semester:

1. AAPG, Eastern Section, Williamsburg, VA, 11-12 November.
I am to present an invited paper on our Triassic/Jurassic work.

2. Amer. Assoc. Strat. Palynol., El Paso, TX, 16-19 October.
I am to give a paper on our work on the subsurface Triassic of central Texas.

As you know, I am currently unfunded.

I propose to cover the cost of the AAPG meeting personally. Could the Department--College assist me with the cost of the AASP meeting in El Paso?

- B. In the Wenlock to lower Pridoli, the relative proportion of probably land derived to marine plant material can be used to indicate the distance from the shore line in a general way.
- C. That spores and marine microfossils alone can be used to deduce the relative distance from the shoreline.

- 8. The demonstration that plant remains were present throughout the Silurian, but were more diverse at the end compared with the beginning.

SILURIAN PALYNOLOGICAL FACIES STUDIES

Because all the different organic materials recovered in Silurian samples have been classified and all the samples used in this work were processed quantitatively; they could be subjected to quantitative palynological analysis. From this it has proved possible to define various different Silurian palynofacies using both Cluster analysis and Principal Components analysis techniques. For this work spores, plant debris, structureless debris and marine microfossils were all recorded.

Achievements

- 1. Certain of the apparently desiccation resistant structures described in this work are correlated with nearshore sedimentological environments, implying they are derived from fresh water systems or from shallow, nearshore marine environments.
- 2. Correlations can be made locally using a quantitative change in the palynofacies, without necessarily a change in the specific composition of the spore/other microfossil assemblage.
- 3. That palynological facies defined using marine and non-marine palynomorphs and plant/animal debris can be shown to be correlatable with sedimentological facies in many instances, but in some sections the palynofacies can change whilst the sedimentological facies remains constant and vice versa.
- 4. A model has been developed from this data that shows that:
 - A. A change in the water depth can be deduced using the composition of the palynological assemblage.

that:-

1. There are internally banded tubes present in the material previously included under the highly enigmatic genus Prototaxites, this has

5

production, or construction of the tissues from desiccation resistant materials.

Many different examples of such adaptations have been recovered in the samples examined in this work. They are:-

1. Tubular debris

Some of these have a superficial resemblance to the water conducting tissues of extant vascular land plants, but they are however associated with many other differently constructed tubes, apparently composed of a desiccation resistant material.

Achievements of their study are:-

1. The description of 40 different kinds of tubes, all of which are new.
2. The recovery of several of these tubes together in wefts, giving some indication of the construction of the organism, although as yet only small pieces have been recovered.
3. The recognition of tubes associated with a fragment of cuticle.

2. Cuticular debris

Two types of cuticle have been recovered.

1. A laterally extensive sheet, ornamented on one surface with thickened flanges which produced an irregularly shaped, small sized, pseudo-cellular reticulum. This has been recorded from the basal Silurian upwards.
2. A cuticle with larger, more regular cell outlines, similar to the sporangial or axial cuticle of vascular plants. This has been recovered from the upper Ludlow into younger sediments.

3. Coalified megafossils and debris

become the dominant part of the microflora until the Ludlow, where they showed more evolutionary innovation than either the alate spores and the very much declining cryptospores.

8. The delimitation in the Silurian of 8 evolutionary biozones based on the first appearance of major evolutionary innovations, and 9 assemblage biozones based on the ranges of selected spore taxa. The latter range from 1.5-10 million years in duration.
9. Correlation of the Rumney Borehole with other better dated sections in the Rumney Inlier (South Wales).
10. Correlation of very nearshore sediments in the Rumney Inlier with the Wenlock stratotype in Shropshire.
11. Correlation of Ludlow sediments in the Rumney Inlier with those around the Towy Anticline in south-west Wales.
12. Because this is the first time good assemblages of spores have been described from northern Europe detailed comparisons with all other published work on Silurian spores are possible and analysis of regional variation becomes feasible. My results show:-
 - A. A floral provincialism in the lower Silurian between north America and the Anglo-Welsh area which were then separated by the Iapetus Ocean.
 - B. A floral provincialism between the Anglo-Welsh area and north Africa, south America and southern Europe in the Ludlow; these were then separated by the Rheic Ocean.

DISPERSED FRAGMENTS OF PUTATIVE LAND PLANTS

As well as the desiccation resistant spores which were probably produced by land plants, there are other structures which might also indicate adaptation to life on land. These are cuticles, water transport systems, mucilage

3. A third group of spore-like microfossils is reported from Europe for the first time. These are known as cryptospores and are apparently obligate tetrads, dyads and monads, which are often covered by a smooth or variously sculptured envelope. These are most diverse in the oldest samples investigated in this study.

The major achievements of this part of the project are:-

1. The first detailed stratigraphic survey of Silurian spores.
2. The first description of 8 spore genera and 44 species.
3. The description of spores from the world stratotype sections for the Llandovery and Wenlock Series, further contributing to their usefulness in international correlation.
4. The first well documented upper Wenlock sculptured spore assemblage described from anywhere in the world.
5. The demonstration of a parallel evolutionary progression from a smooth wall to increasingly complex sculpture in both trilete and alate spores.
6. The demonstration for the first time in Europe of a diverse Lower Silurian cryptospore assemblage, these being similar to the first desiccation resistant spore-like microfossils known from the upper Ordovician.
7. The demonstration that the three major groups of spores are at their most diverse and numerous at different times in the Silurian, viz.:-
 - (i) cryptospores were at their acme in the basal Silurian, declining in importance from then on.
 - (ii) alate spores arose in the upper Llandovery and were at their peak in the upper Wenlock declining in importance from then on.
 - (iii) trilete spores also arose in the upper Llandovery, but did not become the dominant part of the microflora until the Ludlow, where they showed more evolutionary innovation than either the

SPORES

Because spores are likely to be the most common and widely dispersed parts of any cryptogamic plant their investigation has been a major part of this work. They have been found to be surprisingly diverse and often well preserved, about 90 species having been recovered through the Silurian as a whole.

Three major groups have been recognised. These are:-

1. Trilete spores, assumed to have been produced in tetrads by meiosis.

Three sub-divisions have been recognised.

(a) Spores with proximal and distal surfaces of equal thickness, with an equatorial thickening. First seen in the upper Llandovery where they are all smooth-walled, but in the upper Wenlock they become sculptured with distal verrucate/murinate sculpture and proximal radial ribs. In the lower Ludlow they first acquire granulate ornament and in the lower Pridoli, three interradial papillae and apiculate ornament.

(b) Spores with a very much thinner proximal than distal surface. Smooth-walled forms first appear in the basal Wenlock, they become sculptured in the upper Wenlock with distal verrucae and muri and in the lower Pridoli have apiculate ornament.

(c) Spores with an inflated distal surface and no equatorial thickening. These appear in the middle Ludlow, with both smooth-walled and apiculate ornamented forms arising at approximately the same time.

2. A second major group of spores that has very rarely been recorded previously, although in this study they are seen in abundance; comprises alete forms produced in dyads. Smooth-walled examples appear in the upper Llandovery. They then follow the same structural and sculptural progression as was recorded in the trilete spores. The parent plants of these spores are rather obscure as they have never been seen in situ.

THIRD YEAR REPORT - NEIL D. BURGESSNERC GRANT No. GT4/83/GS/108Pre-Downtonian micro- and macrofloras in Britain and their evolution

The aims of this project were to establish the nature of early land vegetation, to trace evolutionary trends in early land plants and to evaluate the biostratigraphic use of early land plant microfossils by the description of plant remains from sediments throughout the Silurian.

Previous research has demonstrated upright, fully land-adapted plant megafossils, with desiccation resistant spores, an external cuticle which would have cut down water loss and in some cases a water conducting xylem strand composed of tracheids, to be present in the upper part of this System. More primitive plants can be envisaged with just one or two of these desiccation resistant structures allowing them to exist in drying sub-aerial environments.

Structures with a possible desiccation resistance function have a high fossilization potential and would be expected to be recorded in a variety of sedimentary environments, but to be commonest in non-marine or nearshore facies. All such fragments recovered in the Silurian samples from Wales and the Welsh Borderland used in this project have been investigated.

The samples used were taken from marine sediments from several different areas in the Welsh Basin. Both the world stratotypes for the Llandovery and Wenlock Series were utilised along with and nearshore, less well dated but palynologically richer samples of upper Wenlock to lower Downtonian (= Priddoli) age from the Rumney Inlier in South Wales and the Towy Anticline in south-west Wales; these forming a complete sampling sequence through the Silurian.

ADDITIONAL INFORMATION

As part of my work for my Ph.D. I have attended additional lectures on Geology (Bristol University), Sedimentology (Imperial College and Cardiff), Petroleum Geology (Cardiff) and Micropalaeontology/Palynology (King's College) many geological field trips in the U.K. (26), America (3) and Europe (2) and international conferences in the U.K. (4), Canada and France.

In 1985 I attended a management training course at Sheffield University.

As part of my Ph.D. work I have considerable experience with scanning electron microscopy including high resolution back scatter and EDAX SEM work.

I am an experienced driver and hold a clean driving licence.

REFEREES

Dr John Richardson
Department of Palaeontology
British Museum (Natural History)
Cromwell Road
LONDON, SW7 5BD

Tel: 01 589 6323 Ext. 734

Dr K C Allen
Department of Botany
University of Bristol
Senate House
Tyndall Avenue
BRISTOL, BS8 1TH

Tel: 0276 24161 Ext. 464

Dr D E Edwards
Department of Plant Sciences
University College
PO Box 78
CARDIFF, CF1 1XL

Tel: 0222 44211

CURRICULUM VITAE

NAME: Neil David BURGESS
ADDRESS: 94 Mangrove Road, Hertford, Herts. SG13 8AN
DATE OF BIRTH: 24 February 1962
NATIONALITY: British MARITAL STATUS: Single

EDUCATION

Richard Hale School Hale Road Hertford Herts (1973-1980)	1978 1978 1979 1980	<u>GCE 'O' Level Cambridge Board.</u> Eng. Lang. (B), Eng. Lit.(B), Geog.(A), French (C), Maths.(C), Physics (B), Chemistry (B), Econ./Pub. Affairs. <u>GCE 'O' Level London Board</u> Biology (A) Herts County Council, Diploma in Computing <u>GCE 'A' Level Cambridge Board,</u> Biology (B), Chemistry (C), Physics (D).
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Bristol University
(1980-1983)

B.Sc. Hons. Botany 2:1

University College
Cardiff/British Museum
(National History)
(1983-1986)

Ph.D. Studies. Title: Pre-Downtonian (Silurian)
Macro and Micro Floras from South Wales and the
Welsh Borderland.

WORK/VACATION EXPERIENCE

1978-80	Kitchen and conference assistant, evenings Hatfield Polytechnic.
1979	Barperson, Hertford Town Civic Centre. Handyman, Hatfield Polytechnic.
1980	3 months farm labourer.
1981	3 months walking and hitch-hiking in New Zealand.
1982	3 months travelling in India, Sri Lanka, Nepal.
1983	1 month in France, 2 months builders labourer.
1984	2 months in Canada and USA.

POSITIONS OF RESPONSIBILITY

1978	Chief Scout Award, Patrol Leader, School Prefect.
1981-82	University Zoological Society Treasurer.
1980-83	University Union Entertainments Committee Member.
1980-82	University Natural History Society Committee Member.
1980-83	Conservation Volunteers Co-ordinator.
1981-82	Security Officer for University Concerts.

INTERESTS

Main Interests: Close-up photography of plants and butterflies, sub-aqua diving, travelling.

Other Interests: Conservation, bird watching, plant spotting, butterfly spotting, fossil collecting, music, films, theatre, cabaret, salmon and coarse fishing, squash, swimming, walking.



University College, Cardiff

Postal Address: University College, P.O. Box 78, Cardiff CF1 1XL
Telephone: Cardiff 44211 Ext. Telegrams: Coleg Cardiff
Telex: 498635 ULIBCF G

From Mr. N.D. Burgess

Department of Plant Science

3 July 1986

Prof. A. Traverse
Dept of Geosciences,
435 Deike Building,
Penn State University,
University park PA. 16802,
USA.

Dear Professor Traverse,

In the course of my PhD I have been using the papers on Silurian Palynomorphs written by Strother and Johnson under your supervision and greatly appreciate the emphasis you have placed on a taxonomic treatment of the microfossils. It would appear to me that there was scope for further work in this field; especially in the Wenlock and that this would complement my own studies very well. So I am writing to enquire if there is any possibility of working with you as a Post-doc student.

At present I am writing up my PhD, which has largely been concerned with Silurian spore evolution and biostratigraphy, but has included substantial amounts of work on dispersed plant and animal debris and the computer based delimitation of Silurian Palynofacies. I expect to finish this work in the early Autumn and will then write one major paper on Silurian spores and others on: plant debris, floral provincialism, some new genera of fragmentary fossil plants and Silurian Palynofacies.

My wider Palynological interests include: general spore biostratigraphy, the usage of spores, plant/animal debris and marine microfossils in studies of Palaeozoic Palynofacies, the role of Palynology in unraveling the colonisation of the land by plants and biostratigraphic and environmental studies using acritarchs alone.

I have in the last three years, acquired experience in the microfossils and debris likely to be encountered in sediments of different environments from the Lower Ordovician to the Upper Carboniferous and have a collection of Palynological material and literature relevant to a large part of this time span.

In addition to first year Geology which I took at Bristol University, I have also attended second year sedimentology courses at Imperial College (London) and Cardiff University (Wales), third year sedimentology at Cardiff and numerous Geological fieldtrips run by Cardiff University. Through this I have I believe acquired a good level of relevant Geological knowledge.

So you can have a better idea of what I have been doing in the last three years I have enclosed a copy of a report that I recently submitted to my Grant Awarding Body along with my C.V..

I look forwards to hearing from you;

Yours faithfully

N.D. Burgess

9 July, 1986

Mr. N. D. Burgess
Department of Plant Science
P.O. Box 78
Cardiff, Wales, U.K. CF1 1X1

Dear Mr. Burgess:

Yours of 3 July just in. We are heading out for two weeks of caring for our ~~elderly~~ parents. I really haven't thoroughly digested your letter. However, I wanted to let you know that I am very interested in your work, and I am still also very interested in going on with the Ordovician-Silurian studies I began here. In short, I'd LOVE to have you as a post-doc. But how would it be financed? You don't seem to address that vexing problem.

Best wishes. Must dash out. Hope to hear again.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



rec'd about
15 Apr. 89

THE ROYAL SOCIETY FOR THE PROTECTION OF BIRDS

THE LODGE · SANDY · BEDFORDSHIRE · SG19 2DL · TEL: 0767 80551 · TELEX: 82469 RSPB · FAX: 0767 292365

Dear Dr. Tmverse,

I recently spoke to Paul Strata about a paper I am writing on Ulaevy Sparrows for the Ulaevy Type Area in Britain. I have attempted to adjust some of Paul's Taxa (Tetralolutes and Nodospun especially), but am unsure how to deal with the changes according to the Botanical code.

Please could you read the enclosed manuscript and suggest any alterations which would improve it.

Yours sincerely

N. B.

DR. NEIL BURCESS
RESEARCH DEPARTMENT

7. (p. 9) The botanical code does not recognize 'page priority,' therefore your statement is wrong here. Both were simultaneously validly published. If they are held to be truly synonymous, the first person to make a choice must be followed. If the type of Nodospora (the specimen of N. burnhamensis) is synonymous with that of T. med. and you select T. med. and are the first person to do so in print, Nodospora is down the drain and can't be saved. If, however, the type of n. has a membrane (I don't recall) you could maintain N. and N. burnhamensis as separate form taxa, even though you are convinced that T. and N. are biologically the same. To do this, you will need to be careful what you say! I would be happy to look at a revised version later. If the type specimen of N. b. did not have a membrane, it will probably be impossible to avoid giving the membranous one a new generic name. You cannot change the type, though you can emend the description.

8. I would like the lit.-cited list for the paper if possible.

I really enjoyed reading your very important paper. All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: MS
cc: Paul Strother

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
PALYNOLOGICAL LABORATORIES
435 Deike Building
University Park, PA 16802

26 April, 1989

Dr. Neil Burgess
Royal Society for the Protection of Birds
The Lodge, Sandy,
Bedfordshire, U.K.
5G19 2DL

Dear Neil:

Your address is fascinating. I am an enthusiastic member of Audubon Society in USA, I suppose a sister organization to RSPB.

This is re yours (no date shown) received about 15 April, 1989, and enclosed very important MS. I am reading it in a hotel in NYC, while waiting for a flight to Europe. Therefore I am working from memory--no library. I have red-penned the MS and return it herewith. I have separated and numbered the pages, I hope correctly (you should have done it!).

1. I presume you know that turmal names are informal. Therefore, in my opinion, they should not be handled as if formal. They have no "priorable" status.
2. The taxa to which you referred are, I suppose in some sense, Paul's and mine..
3. You have every right to emend taxa--provided that you do not accidentally exclude the type! Under the "new" (post-Sydney) rules the type for both Tetraedraletes and T. medivensis is the same: the holotype of the latter.
4. The original authors' names do not go in parentheses for an emendation. Future authors have a choice whether to use "T. m. Strother & Traverse" or "T. m. Strother & Traverse emend. Burgess & Richardson".
5. Unless it is reworked from Silurian, I can't believe that Quadripollis has anything to do with Tetraedraletes or Nodaspora. Pyramidosporites is a tetrad but also widely different in age and, as I recall, morphology.
6. The possession of a membrane would be an acceptable basis for separating N. from T. according to the rules. Both are form-genera. (Thus, Knorria is a preservational variant of Lepidodendron and a perfectly valid generic name.

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

30 October, 1991

Dr. N. D. Burgess
Ecology Department
Royal Society for the Protection of Birds
The Lodge, Sandy
Bedfordshire, U.K. SG 19 2DL

Dear Colleague:

Just read with great admiration your two articles in Sept. '91
Palaeontology. I hope, though I know it costs an arm and a leg,
that I might be one of those favored by reprints.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

p.s. The main purpose of your society would be helped by a wave
of feliphobia in UK. Not likely, from my recollections of
student days at Cambridge University!

AT/et

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

2 October, 1995

Dr. N. D. Burgess
Zoological Museum
University of Copenhagen
Universitetsparken 15
DK-2100, Copenhagen O, Denmark

Dear Neil:

Wow, what a change of address!

Just read your and JBR's marvellous monograph in
Palaeontographica B:236 (1995). Great fun to read.

I have two tiny critical comments, in the hope you'll consider
them "next time."

Although it in no way affects the validity of publication, you
should have stated in the abstract how many new specific and
generic names were introduced and listed the generic names
explicitly. Readers who peruse abstracts (e. g., subscribe to
abstract services) will not know about this important matter in
your paper.

In your title and elsewhere you say that the paper is about
"cryptospores and miospores." Within the definition of Guennel
of miospore, where do you get the notion that a cryptospore is
not a miospore? A pollen grain can be a miospore. Why not a
cryptospore?

All the best.

Yours very truly,

Alfred Traverse

cc:JBR,PKS

Date: Mon, 15 Apr 1996 10:46:25 -0500 (EST)
From: "Alfred Traverse" <traverse@ems.psu.edu>
To: ndburgess@zmuc.ku.dk
Cc:
Bcc:
Subject: contact
X-NUPop-Charset: IBM 8-Bit

Dear Neil:

Good to hear from you. This is so easy that it could become all that one does, huh?

I put your e-mail address on your card in my files. In so doing I note that I apparently have NEVER sent you any reprints. I therefore am sending you what there is via snail mail. Relatively little about our mutual early plant interests--I've never got around to publishing all sorts of things.

Incidentally, as a lame excuse for non-sending I should mention that I gave up mass mailings years ago. I now send only when the spirit moves, as now, or in response to a request!

Happy Spring. Al Traverse.

Received: from vale.adm.ku.dk (vale.adm.ku.dk [130.225.127.35]) by pangaea.ems.p
Received: from host.domain (garm.adm.ku.dk [130.225.127.34]) by vale.adm.ku.dk (
Received: from AKI.KU.DK (aki.ku.dk [130.225.206.2]) by garm.adm.ku.dk (8.7.5/8.
Received: by AKI.KU.DK with Microsoft Mail
id <31723C3C@AKI.KU.DK>; Mon, 15 Apr 96 12:08:28 DST
From: "Burgess, Neil D. {ZMUC}" <NDBurgess@ZMUC.KU.DK>
To: "'Al Traverse'" <traverse@ems.psu.edu>
Date: Mon, 15 Apr 96 12:10:00 DST
Message-ID: <31723C3C@AKI.KU.DK>
Encoding: 13 TEXT
X-Mailer: Microsoft Mail V3.0
Content-Type: text

Hi there Al

I have found your e-mail, so I thought I would drop you a line. Thanks for the comments on the palaeontographica B paper - useful for the future.

Also, if you have any papers which are relevant to the Silurian and earlier spores debate I would be pleased to receive them.

best wishes

Neil Burgess

ESSO PRODUCTION RESEARCH COMPANY

POST OFFICE BOX 2189

HOUSTON, TEXAS 77001

GEOCHEMISTRY AND BASIN GEOLOGY DIVISION
R. SARMIENTO, MANAGER

November 24, 1965

Personal

Dr. A. Traverse
Dept. of Geology
University of Texas
Austin, Texas

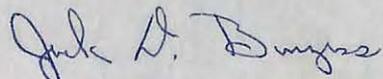
Dear Dr. Traverse:

You evinced an interest in the palynology of the Wilcox Group during our recent conversation while returning from the G.S.A. meeting. A member of the palynology staff here, William C. Elsik, did his dissertation on this group at Texas A&M. He apparently had written to you during your seminary tenure and receiving no reply, lost track of you. The title of his thesis is: Palynology of the Lower Eocene Rockdale Formation, Wilcox Group, Milam and Robertson Counties, Texas. All of his data was gathered from four surface outcrop sections. A text copy of his thesis is available, but at present lacks plates. If you wish to borrow a copy, this probably could be arranged.

Dr. Elsik mentioned that a botany student at L.S.U. was also currently working on Wilcox palynology.

It was a pleasure to meet you at the G.S.A. meeting and in the event I can be of any further help to you, please let me know; or if you prefer, contact Dr. Elsik directly.

Sincerely yours,



Jack D. Burgess

JDB:bc
cc: Wm. C. Elsik



27 Nov., 1965

Dr. J. D. Burgess
Esso Production Research Co.
Post Office Box 2189
Houston, Texas 77001

Dear Jack:

Feeling is mutual. Greatly enjoyed getting to know you a little better. It certainly was kind of you to take such an interest in my mutual concerns with Dr. Elsik. I shall certainly write him. Sounds as if I might be wasting my time on the Wilcox stuff. Still, sometimes there is value in a different approach to the old things.

Thanks very much for your interest and the informative letter!

Yours very truly,

Alfred Traverse

19-0-69

Jack Buzgers ph. c.

asked for my consent to
use for publication as Assoc
sec. -tr. for 1969-70.

AD

own file

May 20, 1969

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

Dear Al,

This letter is in regard to our telephone conversation of May 19, 1969. You indicated that you will accept the nomination for Secretary-Treasurer of the A.A.S.P. for the year 1970. The Nominating Committee decided to enter your name unopposed for this office.

It is necessary to obtain your written consent before submitting the slate of candidates to the President. In order to facilitate acceptance, you may sign the line provided below and return this letter in the self-addressed, stamped envelope provided.

Yours truly,

Jack D. Burgess

Jack D. Burgess
Chairman A.A.S.P. Nom. Comm.

Gulf Research & Development Company

P. O. Drawer 2038, Pittsburgh, Pa. 15230

October 31, 1972

Reference: 4201DC00

Dr. A. Traverse
529 Deike Bldg.
Pennsylvania State University
University Park, PA 16302

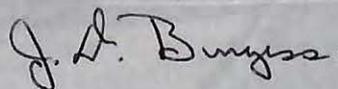
Dear Al:

I would very much like a sample of the Brandon lignite material which we discussed at the A.A.S.P. in Newport. The abundance of Botryococcus is the purpose of this reexamination, and therefore, the sample should be processed quantitatively. The raw sample is preferable to previously prepared slides, and probably 25 to 50 grams, depending upon your supply, would be adequate.

I would be pleased to give a seminar for your geology students when convenient for you. Please specify two possible dates, and I will be able to schedule the best time for us both. Possible subjects would be Particulate Organic Matter in Sediments and its Importance in Palynology, or alternatively, The Correlation of Frontier Formation Surface Sections Using Palynomorphs. If you have another preference, please suggest it.

Now that I am in Pennsylvania our paths should hopefully cross more frequently than in the past.

Best regards,



J. D. Burgess



November 8, 1972

Dr. J.D. Burgess
Gulf Research & Development Co.
P.O. Drawer 2038
Pittsburgh, Pennsylvania 15230

Dear Jack:

Thank you so much for your nice letter of 31 October. I am very sorry to report that I have combed through all my boxes and find that I no longer seem to have the jars of samples of Brandon silt which I thought I had. All that I now retain are maceration residues in glycerine jelly, of which I would be glad to give you cuts if they would be of any use (it was on such material that Bill Evitt based his paper presented at Newport on the dinoflagellate). Let me know if you would like any of that. You might also write directly to Barghoorn to see if he might have some of the silt. You must make clear to him that it is only the silt in which you are interested. I know he has plenty of samples of Brandon lignite, but they wouldn't help you.

Regarding the visit to Penn State--how about sometime (your choice) in mid to late January? Of your two possible titles, the students would probably profit most from the particulate organic matter talk--because they would hear relatively little about it from me. I am hoping we can show you a good enough time that you would be willing to return after a while and give the other (or another) talk.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Gulf Research & Development Company

P. O. Drawer 2038, Pittsburgh, Pa. 15230

December 26, 1972

Reference: 4201AA03

Dr. A. Traverse
529 Deike Bldg.
Pennsylvania State University
University Park, PA 16302

Dear Al:

This letter will confirm our seminar agreement reached by telephone several weeks ago. Of the two proposed dates let's set it up for Tuesday, January 23, 1973, and if inclement weather or other causes intervene we could reschedule for the following Tuesday, January 30. I will be contacting you by telephone for reservations and final confirmation.

Yours truly,



J. D. Burgess



January 25, 1973

Dr. Jack D. Burgess
Gulf Research & Development Corp.
Exploration Division
Drawer 2038
Pittsburgh, Pennsylvania 15230

Dear Jack:

This is to express formally our appreciation for your kindness in coming here to give a seminar for the students in palynology and others of us who enjoyed your presentation. I hope that you will communicate our thanks and appreciation for the fine effort that you put forward for us to your superiors at Gulf.

Thanks again and come again soon!

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

March 6, 1975

Dr. Jack D. Burgess
Gulf Research & Development Corp.
Exploration Division
Drawer 2038
Pittsburgh, Pennsylvania 15230

Dear Jack:

Thank you very much on following through on Kathy Anderson.
She is a good worker, and I hope you all can take her--she'll
make a good field assistant, for example.

Best wishes, as ever.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

31 December, 1976

Dr. Jack D. Burgess
Gulf Research and Development Corp.
P.O. Drawer 2038
Pittsburgh, PA 15230

Dear Jack:

I think Bill Elsik has done AASP a favor by urging more decorum in our official publications, and I would like to support his complaint. The spoof itself was o.k., but our Newsletter is an official publication filed in libraries, etc., and I don't think we wish to go into history that way.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

XXXX

6 August, 1979

Mr. Jack D. Burgess
Gulf Research & Development Co.
P.O. Box 36506
Houston, TX 77036

Dear Jack:

Sofry there wasn't room in PA for the both of us--ha!
Really, your departure was a shock, though I have since heard
from mutual friends that you couldn't wait to get back to TX.

There is a purpose to this letter. I just called NSF
to discuss the question of funding for attending the 5-IPC
in Cambridge next summer. The lady with whom I talked put me
onto some ways I might get partial funding as ICP President
(via UNESCO, etc.). However, the best way for AASP to get
funding for the maximum number of Americans is to put in a
proposal for group funding. This must be in before the end
of October, so AASP can't really wait until Dallas (unless
you get an extension?).

The lady to contact is:

M. Mildred Bosilevac
Assistant Program Manager
International Travel Grant Program
National Science Foundation
Washington, DC 20550
(202) 632-5741

Ms. Bosilevac says that a couple of applications from individuals
have come in already, but is very difficult for an individual
to get a travel grant under the new regulations. I enclose a
xerox that explains. I hope AASP Board of Directors will re-
spond so that academics can get funding to go to U.K. for 5-IPC.

All the best. Say hello to George, Bruce, Art, etc., for
me. See you 2n Dallas.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: xerox re NSF travel

- I hope all goes well with you and your
work, and students. One of your former
students Dave Demshar is doing very well
at Core Laboratories in Dallas. He is planning
to be married in the spring of 1984.

Will close for now.

Kindest personal regards,

Jack Burgess

11-21-83

Dear Al,

Enjoyed the early history and background on AASP published in vol 7, *Polymorphy*. However, to set the record straight and for historical accuracy I will make the following points:

1. No. 66 in the Figure 12 Photo 3 is not Marcel Milliond as captioned, but Jean Pierre Verdier.

2. Jack Burgess attended this meeting in Baton Rouge and is standing between Dave McIntyre⁽¹⁸⁾ and Bill Chaloner⁽¹⁹⁾ in the photo, see attachment.

Take heart in the fact that identifications in all group photographs since have been difficult to make. You had a real problem with yours, although the group was smaller.

The recent AASP Meeting in San Francisco was outstanding in my opinion, because of the use of polymorphy in solving geologic problems. In the past, too often the polymorphs themselves were the focus of attention and not where from or what they meant.

28 November, 1983

Mr. Jack D. Burgess
Gulf Oil Exploration & Production Co.
P.O. Box 36506
Houston, TX 77236

Dear Jack:

How very nice to hear from you! I'm sorry that the occasion was a goof of mine--I remember that you were in Baton Rouge and don't know how it got missed. I also appreciate the correction of Verdier for Millard. Could you help on any of the other unidentified? (e.g. the head just above Paul Storm?). The problem with the photo was that it was made on an inadequately sloped surface by an amateur with a self-timer (i.e., AT). Too many obscured heads. However, without my camera there'd have been no photo.

I had a letter yesterday from Dan Livingstone, protesting my statement that Stanley Cain organized the 1st National Pollen Conference (I'm sure Stan told me he did!). It seems, according to Dan, that Cal Heusser actually organized it (he was working for Cain). That's the first I ever heard of that. I guess I should put together a little correction blur~~b~~ for Palynology 8, if they'll take it--after all, the whole idea was to get the facts straight!

Everyone I've talked to agrees with your estimate that the S.F. meeting was outstanding. I especially hated to miss, as MacGinitie is a dear old friend, though I haven't seen him for many years. I only have the stamina and cash for about two meeting trips per year, and was already booked; (two of my students and I gave papers at the Northeast Paleobotanical Conference at the Harvard Forest 4-6 November).

Thanks for the news of Dave Demshur. (Did you ever hear that his dad was in politics in PA and ran with the slogan, "You can be damn sure with Demshur"?) He's a good guy.

Congratulations on your award from AASP. I hope it doesn't bespeak your impending retirement? Best wishes. Betty and I still remember nice visits with you and your spouse.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

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March 21, 1984

Alfred Traverse
Department of Geosciences
Pennsylvania State Univ.
435 Deike Building
University Park, Pennsylvania 16802

Dear Alfred:

The AASP Board of Directors wishes to initiate and perpetuate a photographic and biographic directory of past Presidents of the Association. The Board has directed me to contact each past President to request information for this ongoing project. The purpose of the photographic-biographic project is to provide a central file where this information can be kept and used for news releases, special awards or recognition and as an historic legacy of past governors of the Association.

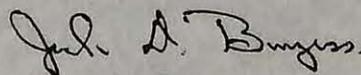
There are 16 past presidents of the Association and with the tragic death of Rick Pierce, the number is reduced by one. You remaining past presidents are still active and in good health, but as the tragedy of Rick's death shows events take their toll, and this is the time to initiate this archival record. It is easier to assemble these records now while you are active, and so I request your help and cooperation in this endeavor.

Please supply me with a recent (less than 5 years old) 4" x 5" to 8" x 10" black and white or colored photographic portrait of yourself. The preferred size is 5" x 7", but other sizes are acceptable.

We have no background record on any of our members including past presidents. I have attached a biography and career data sheet to make collection of this information easier for you. Please fill out and return to me with your photograph.

I would like to present this complete record to the Board at our Annual Meeting, October 17, and your cooperation in meeting this deadline will be appreciated.

Yours truly,



Jack D. Burgess

Attachments

2 April, 1984

Mr. Jack D. Burgess
Gulf Research & Development Co.
P.O. Box 36506
Houston, TX 77036

Dear Jack:

Herewith a xerox of my vita and a xerox of my entry in Who's Who, along with a photo.

About the photo: I note you want a "recent" photo, but if the purpose is archival, isn't a photo taken during my AASP presidency more "correct"? I have a recent photo (with moustache!) if you'll let me know you'd really prefer it. Sorry about the size--I don't have the negative.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

encl: vita, Who's Who insert, photo

9 July, 1986

Dr. William C. Burger
Field Museum of Natural History
Roosevelt Rd. & Lake Shore Drive
Chicago, IL 60615

Dear Dr. Burger:

In connection with lectures I give on the angiosperms in our evolution course, I would greatly appreciate a copy of your "Heresy revived: monocot theory": Evol. Theory 5, 189-225. (Forgive mistakes in ref., if any--I took information down over the phone.) Other reprints on this subject would be welcome too, but I suppose are long since gone (Bot. Rev. 43, 1977, etc.).

Deter Crane will vouch for the genuineness of my interest.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

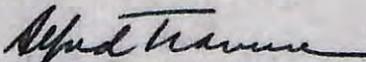


I do not have my library available to me here, but if I remember correctly, van der Hammen's approach was quite different from yours, though you say that you are following his lead. van der Hammen (if my memory doesn't fail me) actually tried to make his classificatory units names under the rules. Most of the "names" he applied, however, are illegitimate (for example, he designated the pollen of certain modern taxa as the "types" of fossil units, which is quite impossible).

In brief, your practical approach to systematics is above reproach--that is, you have used the names that have seemed correct to you under the rules. I don't think that anyone will argue with your additional "system of classification". Unfortunately, however, your discussion makes it seem that you think this classification has something to do with nomenclature, and you bring in references to others whose writings had to do with nomenclature in connection with your classificatory procedures. Indeed, in your discussion you speak of classification and nomenclature without at all clearly differentiating between them. This is unfortunate, because your own procedures in practice seem to be quite above reproach.

Hoping to meet you one of these days (at the International Palynological Congress?), I am

Yours very truly,


Alfred Traverse

8 March, 1966

Dr. D. Burger
Box 378
Canberra City, A. C. T.
Australia

Dear Dr. Burger:

Thank you very much for the copy of "Palynology of Uppermost Jurassic and Lowermost Cretaceous Strata in the Eastern Netherlands", which came today. (Would you please note my correct address?)

Your paper is beautifully illustrated and a commendable contribution to palynology. It seems to me, however, that much of your discussion under "General systematics" (pp. 233 ff.) is somewhat beside the point. Nomenclature and classification are two quite different things, and you seem to have followed conventional procedures in the naming of your fossil spores and pollen. What classification one uses is entirely his own business. As you know, many laboratories use a system of letters and numbers. The discussion in the literature regarding the use of the names of extant taxa of plants for fossil spores and pollen is not a question of classification but of nomenclature. The question simply is, can fossil spores sometimes be closely enough identified with extant taxa so that it is legitimate under the rules to use the names of the extant taxa?

January 8, 1968

Dr. D. Burger
Bureau of Mineral Resources
P.O. Box 378
Canberra City, A.C.T.
Australia

Dear Dr. Burger:

Thank you for your paper, "Pollen flora and age of the Takutu formation...." which I have read with interest.

Please note my address. I have been here since June, 1966.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

March 11, 1970

Dr. Dennis Burger, Palynologist
Bureau of Mineral Resources
Canberra, A. C. T.
Australia

Dear Dr. Burger:

Mrs. G. A. Mail, of the Department of Geochronology at the University of Arizona, recently told me about a query that they had received from you regarding the CFSP. She mentioned several volumes that you were interested in and some other queries. I am sending you along with this letter a copy of our most recent brochure on the Catalog which should go a long way toward answering most of the questions you have brought up. It also gives our most recent price structure. I should call your attention also to the fact that there is now a third index volume, for Volumes 21-30, and that Volume 32 is in press.

Beginning with Volume 32 we are including emendations and new combinations, but we have no special plans at the moment for including complete synonymy, although some synonymy is given in footnotes.

We would, of course, be glad to receive your order for the Catalog. I would suggest that it would be appropriate for it to be an institutional subscription for the Bureau rather than a personal subscription from you, but that is naturally a matter for you and your superiors to decide. Some of the volumes, including both of the translation volumes, are at the present out of print, but it is our firm intention to reprint them all eventually, so that a standing order will before too long result in a complete set of Catalogs.

Yours very truly,

Alfred Traverse
Editor
Catalog of Fossil Spores and Pollen

Enclosure
AT/mw

August 5, 1976

Dr. Dennis Burger
Bureau of Mineral Resources
P.O. Box 378
Canberra, City, A.C.T. 2601
Australia

Dear Dr. Burger:

Thank you so much for the copies of "Palynology of subsurface Lower Cretaceous...Queensland" and "Palynological papers", by yourself and Elizabeth Kemp. I appreciate being kept informed about your work, and I have enjoyed reading the papers. Best wishes to you in the hope that we may meet at the international meeting in Lucknow, if we are both so fortunate as to be funded to attend!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb

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

30 January, 1995

Dr. Dennis Burger
Australian Geological Survey Organization
Marine, Petroleum and SEdimentary Resources
GPO Box 378
Canberra, ACT 2601, Australia

Dear Colleague:

Just read in AASP Newsletter about the Guide to J. & H. card file. I want to order one, but I found the announcement a little confusing. Can I just send a check to "Reply Paid Service" or what?

Hoping to hear from you and with best wishes.

Yours very truly,

Alfred Traverse

Herrn Dr. C. A. Burga

Geographisches Institut

Blumenthalstrasse 10

CH 8006 Zürich

File

Sehr geehrter Herr Dr. Burga,

Vielen Dank für die freundliche ^{und grosszügige} Übersendung eines Exemplars Ihrer Dissertation!

Herr Dr. Graf hat Ihnen vielleicht erwähnt, dass ich von einigen Ihrer Diagramme sehr beeindruckt wurde. ~~Ich beabsichtige~~ Ich beabsichtige, Ihre Resultate in meinem Vortrag für den internationalen Kongress in Sydney zu bringen.

Es würde mich freuen, Sie kennenzulernen und das Institut in allgemeinen zu besuchen. Könnten Sie, bitte, ein mögliches Datum vorschlagen? Ich werde ^{noch} in Zürich ~~von~~ 15. - 26. April, 6. - 14. Mai, und 15. Juni bis 15. Juli sein.

mit freundlichen Grüssen,

Ihr ergebener



United States Department of the Interior

File!
Bureau of
Mines

BUREAU OF MINES
WASHINGTON, D.C. 20240

July 31, 1969

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

Dear Dr. Traverse:

This is in reply to your letter of July 25 with reference to earlier correspondence with Mr. Robert P. Willing regarding a revised version of your Bureau report on Brandon lignites. It is my understanding that you raised the original question looking into means for revising the original manuscript that is now out-of-print.

If it is your intent to prepare another paper on the subject and distribute it through those channels available to you, we would be pleased to assist in the effort by making available glossy prints of figures illustrated in the original test. We would have to request this exercise not be viewed as a revision of the original Bureau manuscript but rather another reference work concerning the Brandon lignites.

On the other hand, if your wishes involved another publication on this subject updating the previous manuscript and appearing in the Bureau's publication series, it would be necessary to have the new report co-authored by a Bureau employee. We have no preference as to whether the Bureau co-author appears as the first or second name in the listing.

We will be guided entirely by your wishes in the matter and will assist you in any way possible consistent with Bureau policy.

Sincerely yours,

William L. Crentz
Director of Coal Research

TO BE FILLED OUT BY PERSONS CLAIMING PER DIEM ALLOWANCE IN STATE

LEAVE HEADQUARTERS				ARRIVE HEADQUARTERS				DAYS ON TRAV	AMOUNT	LEAVE HEADQUARTERS				ARRIVE HEADQUARTERS				DAYS ON TRAV	AMOUNT		
Date	Hour	Min	m	Date	Hour	Min	m			Date	Hour	Min	m	Date	Hour	Min	m				
1				1								17									
2				2								18									
3				3								19									
4				4								20									
5				5								21									
6	8	10	a	6				3/4	6.75			22									
7				7				1	9.00			23									
8				8	9	20	p	1	9.00			24									
9				9								25									
10				10								26									
11				11								27									
12				12								28									
13				13								29									
14	7	30	a	14	5	50	p		1.00			30									
15				15								31									
16				16								31									
										Total Claimed for In State allowance										2-3/4	\$25.75

TO BE FILLED OUT BY PERSONS ON OUT OF STATE TRAVEL

ARRIVE STATE LINE				RETURN TO STATE LINE				ARRIVE DESTINATION				LEAVE DESTINATION				NO. OF DAYS	AMOUNT
Date	Hour	Min	m	Date	Hour	Min	m	Date	Hour	Min	m	Date	Hour	Min	m		
														Claimed for Out of State			
Total Per Diem Allowance Claimed															\$25.75		

STATEMENT OF PURPOSE OF TRAVEL (DUTIES PERFORMED) AND RECORD OF TRANSPORTATION CLAIMED FOR EACH TRIP

Date	Fares Paid (Itemize)	Personal Car Mileage	
		Between Towns	Intra City
July 6-8	Geologic field work in Marshall and Henderson areas collecting samples of clay and lignite for analysis and study. Secured samples and information from Darco plant, Marshall, and Henderson Clay Products plant, Henderson.		
July 11	Geologic field work near Hookdale to collect coal samples for analysis and further study.		
State-owned vehicle used on both trips: Studebaker Lark, 30682			
Totals		\$	
Grand Total Mileage			

File Case :
Burd^g Econ. Geol.
U.T.

GEOLOGY FOUNDATION

The University of Texas

Date August 19, 1965

To Dr. Alfred Traverse, Recipient
of a Grant from the Geology Foundation

The Executive Committee of the Geology Foundation has recommended that a grant of the type and amount indicated below be awarded to you. It will become effective when approved by the President and Board of Regents of The University of Texas.

Scholarship or fellowship, \$ _____
Travel expenses, \$ 72.00
Materials for research, \$ _____
Research assistants, \$ _____
Research stipend, \$ _____
Other, _____ \$ _____

The period of time during which this grant is intended for use is as follows: August 9 - August 13, 1965.

The Geology Foundation seeks to promote research and other scholarly activities in the field of Geology at The University of Texas. It is an instrumentality of The University of Texas and therefore of the State of Texas. All funds of the Geology Foundation derive from gifts, and the trustees of the Foundation are the Board of Regents.

Research stipends are awarded to faculty members to encourage study and research during a period of time in which the recipient is not employed as a teacher, and the stipends are not salary or salary supplementation. No duties or services to The University of Texas are required in return for the grant. The relation of the grantee to the Geology Foundation is not and at no time shall be that of an employee.

Any materials of lasting value purchased by a grant of the Geology Foundation shall become the property of The University of Texas. Any publication of the results of research and study supported by a grant from the Geology Foundation shall include an acknowledgment that the work was supported by a grant from the Foundation. The Foundation does not claim ownership of publications, manuscripts, or notes resulting from a grant.

Chairman, Executive Committee
Geology Foundation, The University
of Texas

Check No. T 17934

Dr. Pamela J. W. Gore
Department of Geology
Emory University
Atlanta, GA 30322

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

Dr. Volkan S. Ediger
Turkish Petroleum Co.
Müdafaa Cad. #22, P.O. Box 209
Ankara, Turkey

Dr. Harold L. Cousminer
U.S.D.I. Minerals Management Service
1951 Kidwell Dr., Suite 601
Vienna, VA 22180

Dr. Eleanora I. Robbins
U.S. Geological Survey
National Center, MS 956
Reston, VA 22092

Dr. Paul E. Olsen
Lamont-Doherty Geological Observatory
Palisades, NY 10964

Dr. Bruce Cornet
14222 Kimberley Lane, #411
Houston, TX 77079

Dr. Steven Schamel
Earth Sciences & Resources Institute
University of South Carolina
Columbia, SC 29208

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

12 March, 1987

Dr. Elliott Burden
Department of Earth Sciences
Memorial University of Newfoundland
St. John's, Newfoundland, Canada
A1B 3X5

Dear Dr. Burden:

Thanks for yours of 18 February re the May, 1988, meeting in Newfoundland. Sounds like a good one! I would be interested in pulling together my latest work on the palynostratigraphy of the Newark-style basins (including and perhaps emphasizing the Fundy Basin).

Presumably you already know about my colleagues, former students, etc., who share my interest and who might well contribute (Pamela Gore, A. J. Froelich, H. Cousminer, Eleanora I. Robbins, P. E. Olsen, V. S. Ediger, B. Cornet, S. Schamel). I append an address list, just in case.

Best of luck with the meeting.

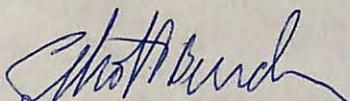
Yours very truly,

Alfred Traverse
Professor of Palynology

— AT/et
enclosure: address list

In my capacity as convener, I am contacting researchers, such as yourself, to encourage you or your associates to indicate at this early date to the organizing committee your interest in participating in this or perhaps some other more relevant session; formal details regarding the submission of abstracts, publication of selected papers, field trips and accommodations will be sent as soon as they are available. In addition, it would be appreciated if I could get at your earliest convenience, your advice, comments or questions on details of the subject matter and names potential keynote speakers.

Respectfully yours,



Elliott Burden
Assistant Professor



MEMORIAL UNIVERSITY OF NEWFOUNDLAND
St. John's, Newfoundland, Canada A1B 3X5

Centre for Earth Resources Research
Department of Earth Sciences

Telex: 016-4101
Tel.: (709) 737-8142

February 18, 1987

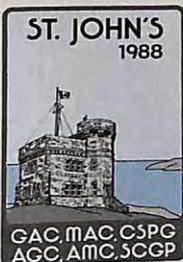
Dr. Alfred Traverse
Department of Geosciences
Pennsylvania State University
435 Deike Building
University Park, PA 16802 U.S.A.

Dear Dr. Traverse:

Annual meetings of the Geological Association of Canada (GAC), Mineral Association of Canada (MAC) and Canadian Association of Petroleum Geologists (CSPG) typically bring together the best of the Canadian geoscience community in an atmosphere of conviviality conducive to scientific exchange. The 1988 meeting in St. John's, Newfoundland from May 22-25 is destined to be a special event for these national geoscience organizations; for the first time, the CSPG has agreed to join with the GAC/MAC and to hold its annual meeting outside western Canada.

One of the main symposia of the 1988 meeting will be "Extensional tectonics and stratigraphy of the North Atlantic Margins". To capture the interest of a large audience, the scope of this theme is very wide; North Atlantic margins may be viewed according to modes of extension and tectonic style, stratigraphic and paleontologic response, Atlantic margin analogs and contrasts, theoretical models and resource exploration and development. Contributions are anticipated from industry, government and university research programmes (i.e. Lithoprobe, COCORP, BIRPS, ODP and ECORS) from both sides of the Atlantic.

As you are no doubt aware, planning for meetings of this size must take place many months or years before the actual event. My role in this conference is to act as convener for what is tentatively a one and one half day session on the topic "Syn-rift Mesozoic basins", a symposium where details of specific investigations can be discussed. With time allocated for up to 25 papers, I anticipate broad international coverage of topics involving the geology, geophysics, geochemistry and resources of these kinds of basins in the North Atlantic and elsewhere.



P.O. Box 13577
Postal Station 'A'
St. John's, Nfld.
CANADA
A1B 4B8

Honorary Chairperson
E.R.W. Neale

General Chairpersons
J.M. Fleming (709-576-2768)
A.J. Tankard (403-296-5808)

Vice-Chairperson
C.J.S. Rivers (709-737-8392)

General Secretary
M. Driscoll (709-576-2768)

Recording Secretary
I. Sinclair (709-778-1434)

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MAC: C.J.S. Rivers (709-737-8392)
CSPG: H. Balkwill (403-296-5809)
Short Courses: C.F. Gower
(709-576-2769)

Field Trips
GAC: P.H. Davenport (709-576-2769)
CSPG: R. Hiscott (709-737-8142)

Finance
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B.F. Kean (709-576-2769)
W.L. Dickson (709-576-2769)

Registration and Accommodations
R.V. Gibbons (709-576-3159)

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P.L. Dean (709-576-2769)

Accompanying Members
R. Fleming (709-753-3203)

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G. Jenner (709-737-8387)
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A.B. Ryan (709-576-2769)
R.C. Hankel (403-264-5379)

Printing and Publications
C.F. O'Driscoll (709-576-2769)

Telex: 016-4724

Courier Address:
St. John's, '88
Newfoundland Department
of Mines and Energy
First Floor
95 Bonaventure Avenue
St. John's, Nfld.
CANADA
A1C 5T7

November 9, 1987

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

Dear Dr. Traverse:

Lest you think I have forgotten about your letter of March 12, I am writing to tell you that the various organizing committees for St. John's 88 are assembling an international cast of scientific superstars who will address just about all aspects of geology in the theme areas of this conference.

We in the Syn-Rift Session organizing committee are in the process of assembling a number of speakers, many already committed, to address topics related to the opening of the Atlantic Ocean. In one area we are weak - that is the geology, paleontology and petroleum potential of Triassic basins of the eastern seaboard. (We have coverage of the Portuguese Triassic basins.) If you have research which can address this area (eg. ecology and organic macerals of Triassic lakes as it relates to hydrocarbon exploration), we hope you will take the time to give us an abstract and attend next spring.

Respectfully yours,

Elliott Burden,
Co-Chairman,
Mesozoic Syn-Rift Basins

cc:Gradstein
cc:Sinclair

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

16 December, 1987

Dr. Elliott Burden
Department of Earth Sciences
Memorial University
St. Johns, Nfld., Canada A1B 3X5

Dear Dr. Burden:

Thanks for yours of 9 November, which just (!) arrived. I had to scurry to the files to see what I said in my "letter of March 12," to which you refer. I note that I mentioned some people you should contact re the rift basins program.

I believe in the light of shortness of time, my heavy teaching load in Spring Semester '88, and my previous commitment to the International Palynological Congress in Summer '88, I had better withstand the great temptation to take part in "St. Johns 88."

Best regards to you for a successful meeting.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

March 13, 1972

file
Mr. James F. Averill
Eunton Instrument Co.
489 S. Stonestreet Ave.
Rockville, Maryland 20850

Dear Jim:

Under separate cover I am sending you the Microsix photomicrographic exposure meter from one of my Ortholux microscopes. It once previously conked out, and seems to be acting the same way. We tried putting new batteries in it, and that is not the problem. A purchase order for repairs has also gone out, and I naturally hope we can get it back as soon as possible.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

file *Bunton Instrument*
Bunton Instrument

THE PENNSYLVANIA STATE UNIVERSITY
INTER-OFFICE CORRESPONDENCE

Date: July 26, 1970
From: M. E. Bell *MB*
To: Mr. A. C. St. Clair
ATTENTION: Mr. L. Tingle

SUBJECT: Our Purchase Requisition No. 70-2 on Budget 424-04
Catalog 2355

The attached purchase requisition is for a Leitz Orthomat camera-microscope for use in the Department of Geology and the Coal Research Section. At the request of Professor Traverse, in order to conserve funds, the Bunton Instrument company has assembled the enclosed list of components, some new, some used, which they are offering to the University for the sum of \$4,100. The aggregate list price for these items when new is between \$6,000 and \$7,000 and we do not believe we could obtain a better price than \$4,100 elsewhere for equivalent merchandise. The used parts offered, such as the stand, are in like-new condition. The Bunton Instrument Company has been a regular supplier of Leitz microscopes and equipment to the University in the past, and has given much satisfactory service and advice in connection with the instruments supplied.

I would recommend that sole-source purchasing procedures be used in obtaining this equipment.

MEB/jcs

ENCLOSURE

cc: Dean Hosler
Ethel Williams
A. Traverse ✓

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

September 8, 1976

Bunton Instrument Co., Inc.
615 South Stonestreet Avenue
Rockville, Maryland 20850

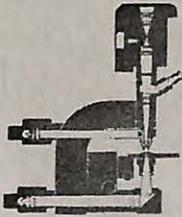
Dear Sirs:

I recently ordered a #570454 object-marker with accessories. It has come in, but there are no instructions. They are necessary, not only to determine how to operate the equipment but to ascertain whether all of the pieces came! Could you send me a copy of the instruction sheet?

Yours very truly,

Dr. Alfred Traverse
Professor of Palynology

AT:lsw



762-5115
762-5116

BUNTON INSTRUMENT COMPANY, INC.

615 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

March 10, 1977

Pennsylvania State University
Dr. A. Traverse
529 Deike Bldg.
University Park, PA 16802

Dear Dr. Traverse:

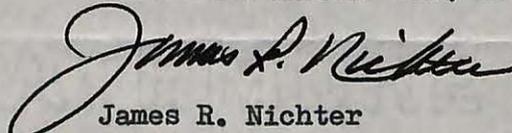
On our last visit to Penn State, Jim Averill Jr. discussed having your Orthomat camera disassembled and cleaned.

He has asked me to send you a price quotation for this service. I would estimate the cost to be between \$60.00 and \$80.00.

If you want your Ortholux microscope cleaned at the same time the price would be approximately double.

These prices are just estimates and if the work is done in a shorter length of time you would be billed less.

Sincerely yours,
BUNTON INSTRUMENT CO., INC.


James R. Nichter
Service Manager

na



BUNTON INSTRUMENT COMPANY, INC.

615 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

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

August 10, 1982

Penn State University
Dieke Bldg.
College of Earth & Mineral Sciences
Dr. Alfred Traverse
University Park, PA 16802

Dear Dr. Traverse:

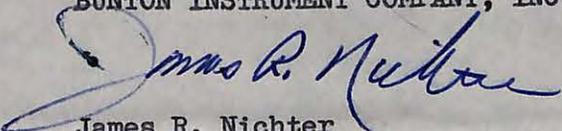
We do very little repairs to light meters. We send most of them to E. Leitz in Rockleigh, NJ for repair. In most cases it is reasonable to have them repaired. You may send it to my attention and I will be glad to look at it and will advise you of my findings.

I am hoping to be on campus before the end of September. So far, I do not have anything definite, but I do have a few things pending.

Could you let me know how many and what type microscopes you have?

Sincerely yours,

BUNTON INSTRUMENT COMPANY, INC.


James R. Nichter
Service Manager

nah

16 August, 1982

Mr. James R. Nichter, Service Manager
Bunton Instrument Co.
615 S. Stonestreet Ave.
Rockville, MD 20850

Dear Jim:

In attached package is the Microsix previously discussed, per yours of 10 August. Let me know about cost of repair in advance so that I can send a purchase order—of course. If the cost is about equal ~~to~~ that for a new one, it wouldn't make sense to repair it. It seems to me possible that a loose connection is at fault--needle ~~wahders~~ all over the place;(have tried a new battery already!).

The scopes to be repaired are Olympus KHC, and the repairs are mostly minor. There are about 5 scopes of this sort needing at least a little adjustment.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
attachment: Microsix



BUNTON INSTRUMENT COMPANY, INC.

615 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

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

September 29, 1982

Dr. Alfred Traverse
Penn State University
Deike Bldg.- Geoscience
Palynological Lab
University Park, PA 16802

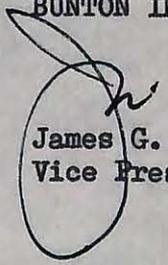
Dear Dr. Traverse:

Thanks for taking the time to visit with my father at the AIBS meeting last month. He mentioned that you would like to see and discuss the Wild instruments for photomacrography and various video systems.

I will be on campus in late October and would enjoy the opportunity to show these instruments to you and the staff. Please find enclosed several informative booklets for you reference. If anything "catches your eye", please drop me a note and I'll bring it along. Please note the photo on page 207 of the Leitz INFORMATION-JUNE 1979 showing the M400 on Aristophot stand. It shows the new macro dia but your older unit can be similarly equipped. The M400 with both 35mm and 4 x 5" formats sells for around \$12,000.00. As always, I look forward to seeing you again, I am

Sincerely yours,

BUNTON INSTRUMENT COMPANY, INC.



James G. Averill
Vice President

cc: JFA

encl: lit.

nah

19 November, 1982

Bunton Instrument Co.
615 S. Stonestreet Ave.
Rockville, MD 20850

att: Jim Nichter, service manager

Dear Jim:

Could you mark down somewhere always to inform me when you're going to be on campus at University Park? Would provide me with an opportunity at least to ask quick questions, if anything is up.

e.g.--at the moment I am having trouble with the mechanical stages of the (Olympus) teaching scopes being far too loose--makes it almost impossible to use England Findess, which I teach routinely. Is that something I could adjust myself?

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



BUNTON INSTRUMENT COMPANY, INC.

615 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

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

November 30, 1982

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

Dear Dr. Traverse:

There is no problem contacting you either before a trip to campus, or while I am up there. I shall keep your letter in my Penn State folder for future reference.

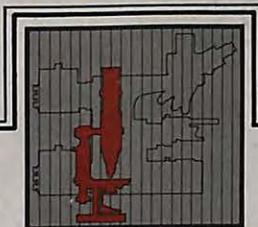
Without a tool kit like the one I carry, I can not think of any way you can adjust the stages on your Olympus Teaching microscopes. I will stop in and take care of them myself on my next trip. As of this date, I do not know when I will be up on campus.

Sincerely yours,

BUNTON INSTRUMENT CO., INC.

James R. Nichter
Service Manager

JRN:der



BUNTON INSTRUMENT COMPANY, INC.

615 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

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

March 8, 1983

file

Dr. Alfred Traverse
Penn State University
Palynology, 435 Deike
University Park, PA 16802

Dear Dr. Traverse:

As per your recent conversation with our Jim Nichter, please find enclosed a quote on some used oil optics we have available on a "first-come" basis. Sorry, the old 70x oil is non-existent. A fine new oil optic you may want to consider is our new 63x plan apo oil. It is 45mm mechanical length and can be parfocalized with adapters for use with the older style 37mm optics. Please note a write up on this lens on Page 24 of the enclosed TECHNICAL INFORMATION BULLETIN.

If you are not receiving this new publication, I would recommend filling out the reply card and mailing it to Leitz. Hope all is well with you and Mrs. Traverse. I will be on campus in April and hope you will drop me a note if we can do anything for you.

How is the order coming for the Wild M420? Note the write up on Page 27 of the T. I. B.

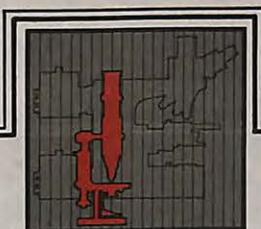
Sincerely yours,

BUNTON INSTRUMENT COMPANY, INC.

[Signature]
James G. Averill
Vice President

JGA:cf

Enclosure



BUNTON INSTRUMENT COMPANY, INC.

615 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850
(301) 762-5115
(301) 762-5116

QUOTATION NO. 4550

SERVICING AND REPAIRS TO SCIENTIFIC INSTRUMENTS—REPAIR PARTS AND ACCESSORY SUPPLIES

CONTRACT INFORMATION	TERMS	DELIVERY	PHONE NUMBER	PREPARED BY	DATE
	2% 20 Net 30		814/ 865-2342	cf	March 8, 1983

QUOTATION TO:

Dr. Alfred Traverse
Penn State University
Palynology, 435 Deike
University Park, PA 16802

**SPECIAL 35mm MECHANICAL LENGTH OPTICS FOR LEITZ MICROSCOPE
(USED - A-1 CONDITION OPTICALLY)**

- * 1 ea. #FLUXU-FE Leitz Oil Immersion Objective 114x/1.32 (Fluorite). Net... \$ 50.00
- * 1 ea. Leitz Oil Immersion Objective 90x Apo/1.4. Net... \$ 50.00
- * 1 ea. Leitz Oil Immersion Objective F1 95x/1.32 (Fluorite) Net... \$ 50.00
- * 1 ea. #519 027-U Leitz Oil Immersion Objective 54xF1/.95. Net... \$ 50.00

* MUST be used with #1 or #1½ Coverglass and minimal mounting media. VERY small objective working distances!

Respectfully submitted,
BUNTON INSTRUMENT CO., INC.

James G. Averill
Vice President

ordered on 11 Mar. 83

"WHEN ORDERING PLEASE SUBMIT ONE COPY OF THIS QUOTE TO YOUR PURCHASING AGENT"

FROM Dr. Traverse
Penn State University
College of Earth & Mineral Sciences
435 Deike Building/Geosciences
University Park, PA 16802

TO

BUNTING INSTRUMENT CO., INC.
815 South Stonestreet Ave.
ROCKVILLE, MD 20850
(301) 762-5115

SUBJECT: Dear Dr. Traverse:

DATE: 3/23/84

FOLD ↑

We just received the estimate for repair of your 90x objective #237315 and we really feel it's not worth repairing. The figure came to \$1219.20 and we discussed this with Mr. Jim Averill Jr. and he states if you can give him a call he has some of these in stock that are "used" and are cheaper than this repair would be. Of course you still have the option to fix this item should you decide to do so. Please let me know what you decide to do as I must let the factory know your decision on this. Thanking you in advance,

RETURN TO →

SIGNED *Dabbie Ruggieri*

Dabbie Ruggieri, Repair Shop
301-762-2300

REPLY

DATE:

SIGNED

27 April, 1984

Bunton Instrument Co.
615 S. Stonestreet Ave.
Rockville, MD 20850

Dear Friends:

Too bad that duties here have so slowed my response to various things connected with Bunton.

No, I don't want to spend \$1219.20 fixing the old objective. Please tell Debbie Ruggeri.

I have finally put the purchase orders in on the two objectives I discussed with Mr. Averill over the phone: a) 54x oil F1. and b) 90x apo. oil.

You should get the P.O.s through the usual channels fairly promptly.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

WILD Condensers (5:1)
HERBRUGG Photograph taken with
PHOTOMAKROSKOP WILD M400

7/19/84

Dear Dr. Traverse:

The Orthomat camera system repair work has been completed. Please contact us regarding this order.

The repair charges came to \$264.00. If at all possible please obtain a Purchase Order number and have available when you call us back.

Our Telephone #301-762-2300 and ask for Debbie Ruggeri.

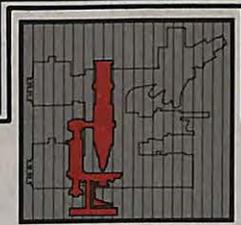
Thank you
BUNTON INSTRUMENT CO.

198-151 - Jm



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

Printed in Switzerland · Wild Heerbrugg Ltd. · CH - 9435 Heerbrugg



BUNTON INSTRUMENT COMPANY, INC.

615 S. STONESTREET AVENUE • ROCKVILLE, MARYLAND 20850

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

File

July 26, 1984

Dr. Alfred Traverse
Penn State University
Dept. of Geoscience
435 Deike Building
University Park, PA 16802

Dear Dr. Traverse:

The following is the written estimate concerning your
Leica MD 1160704 with 2 outlet covers, take up spool, M bayonet.

The repairing, replacing of parts, cleaning, relubricating,
checking and adjusting shutter speeds, brake and winding mechanism;
checking and adjusting of lens mount flange ring to the film plane,
take up friction. Reassembling and checking completely according
to Leitz tolerances.

The work outlined includes your specific request. Other work
listed is being performed during reassembly, as needed, in order to
guarantee complete operation for a one year period according to
Leitz tolerances, except for electronic components, which are
guaranteed for a six month period.

Estimate \$215.30

**Leitz does not recommend the use of PC synch. adapters. They offer
to install the standard PC type sync. outlets at an additional \$31.00.
If you desire this option, please add this charge to the above amount.

Should you have any questions, please feel free to contact me.

Sincerely yours,
BUNTON INSTRUMENT CO., INC.

Debbie Ruggeri
Debbie Ruggeri
Service Coordinator

8 October, 1984

Bunton Instrument Co., Inc.
615 S. Stonestreet Avenue
Rockville, MD 20850

re: your invoice # 9684-0

Dear friends:

We received a notice from you that the invoice (number above) for microscope repair is unpaid, and we are very sorry about this. A check shows that the bill has been buried in a stack on a secretary's desk. (We had assumed that it had long since been paid.)

Today we have removed it from the slow desk and have sent it to a (we hope!) faster desk for immediate payment. Hope this doesn't happen again.

Once again--our apologies!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

September 9, 1971

Bundesanstalt und Niedersächsisches
Landesamt für Bodenforschung
Postfach 54
Alfred-Bentz-Haus
3 Hannover-Buchholz, West Germany

Dear Sirs:

Please send me: 1. two (2) copies of Beihefte zum Geologischen Jahrbuch, Heft 87, 1970, being R. Potonié, "Synopsis der Gattungen der Sporae dispersae," V. Teil." 2. one (1) copy of Beihefte usw., Heft 52, R. Potonié, "Synopsis der Sporae in situ," 1962.

Please bill me personally for these two copies of Heft 87 and one copy of Heft 52 and send them to me as soon as possible.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

January 17, 1969

Dr. E. Bulba
Department of Environmental Health Sciences
Harvard University School of Public Health
Boston, Mass. 02115

Dear Dr. Bulba:

Probably by now at least one other palynologist has already written you about the various boners relating to your description of Ambrosia pollen in your recent paper in Current Laboratory Practice. Too bad you didn't check with a palynologist before publication! (the biology department at Cambridge has one of the best--Barghoorn). The worst boner is (p.9): "...depressed portion of the spore attachment to the original pod." It is nothing of the sort. The picture shows one of the three germinal furrows. Pollen is formed in tetrads in masses in the pollen sacs (anthers). Pollen is not formed in pods and is never attached to the pollen sac. You are thinking, apparently, of seeds, which often do have an attachment scar.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT/mf

cc: Mr. Lynn Shecter, Editor
Current Laboratory Practice

Esleek



Energy, Mines and
Resources Canada

Science and Technology

Énergie, Mines et
Ressources Canada

Science et Technologie

Your file Votre référence

Our file Notre référence

November 15, 1979

403-12-1

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

Dear Al;

I received the S.P.C. ?1978 circular from L.V. Rovnina and had it translated. Here is a copy in case you are interested.

With my best regards,

Yours sincerely,

Jonathan

Jonathan P. Bujak
Eastern Petroleum Geology

JPB/cjm
encl.

Atlantic Geoscience Centre
Geological Survey of Canada
Bedford Institute of Oceanography
Box 1006, Dartmouth, Nova Scotia
B2Y 4A2
Telex 019-21518

Centre géoscientifique de l'Atlantique
Commission géologique du Canada
Institut océanographique de Bedford
C.P. 1006, Dartmouth, Nouvelle-Écosse
B2Y 4A2
Telex 019-21518

XXXXX

26 November, 1979

Dr. Jonathan P. Buljak
Eastern Petroleum Geology
Geological Survey of Canada
P.O. Box 1006
Dartmouth, Nova Scotia, Canada B2Y 4A2

Dear Jonathan:

I just opened the circular from Russia by Rovnina which you sent, and it is very interesting indeed. I can read Russian, but it is nice not to have to! This is good material to put into the files of ICP regarding the Russian organization. Thank you very much.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

23 January, 1980

Dr. Jonathan Bujak
Geological Survey of Canada
Atlantic Geoscience Centre
P.O. Box 1006
Dartmouth, Nova Scotia, Canada B2Y 4A2

Dear Jonathan:

Out of curiosity, could you inform me why Spackman's thesis is listed as "relating to Canadian palynology" (p. 13, CAF Newsletter)? The palynological Brandon is in Vermont (not Manitoba) for starts. Secondly, the palynological thesis on the Brandon was mine ("Pollen and Spores of the Brandon Lignite", 1951. Ph.D. thesis, Harvard University), later published as U.S. Bureau of Mines RI 5151 (1955). The Spackman thesis had no palynology.

Hang in there. All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



CANADIAN ASSOCIATION OF PALYNOLOGISTS
ASSOCIATION CANADIENNE DES PALYNOLOGISTES

April 25, 1980

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

Dear Al;

I am writing to ask if I could reproduce your review of "The Whole Fungus: the sexual-asexual synthesis" in the next CAP newsletter.

See you in Cambridge.

Yours sincerely,

Jonathan

Jonathan P. Bujak
Editor, CAP Newsletter
c/o Bedford Institute of Oceanography
P.O. Box 1006, Dartmouth, N.S.
B2Y 4A2

JPB/cjm

7 May, 1980

Dr. Jonathan P. Bujak
Bedford Institute of Oceanography
P.O. Box 1006
Dartmouth, Nova Scotia, Canada B2Y 4A2

Dear Jonathan:

It is flattering that you want to reproduce my review of "The Whole Fungus" and by all means do so, if you like. (Incidentally, the ICP Newsletter made it appear that the other, unsigned, review was also by me-- it wasn't.)

It will be good to see you at my old alma mater!-- I really scarcely know you as a person, and it's about time!

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology
President, ICP

AT/et



CANADIAN ASSOCIATION OF PALYNOLOGISTS
ASSOCIATION CANADIENNE DES PALYNOLOGISTES

May 23, 1980

Alfred Traverse,
Dept. of Geosciences,
Pennsylvania State University,
435 Deike Bldg.,
University Park, PA. 16802
U.S.A.

Dear Al;

Thank you for permission to reproduce your review of "The Whole Fungus".

Yours sincerely,

Jonathan

Jonathan P. Bujak
Editor, C.A.P. Newsletter
c/o Bedford Institute of Oceanography
P.O. Box 1006, Dartmouth, N.S.
B2Y 4A2

JPB/cjm



83-0019

April 21, 1983

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

Dear Alfred:

I am not sure that I gave the correct P.O. Box number yesterday on the telephone. In case I didn't, it is P.O. Box 2844, Calgary, Alberta T2P 3E3.

Yours sincerely,

A handwritten signature in blue ink that reads "Jonathan".

Jonathan Bujak
Sr. Geol. Rsch. Spec.

/cld

ph. 403-270-2580

11 November, 1983

Dr. Jonathan Bujak
Bujak Research Ltd.
2A 3704 6th St. NE
Calgary, Alberta, Canada T2E 6K5

Dear Jonathan:

Don't give up on me re the Fudy paper--things will settle down one of these days!

Have been reading AASP Contrib. Series 13 with great interest. Could you help me with definitions of a few terms I don't find in Contrib. 2A (Glossary....)? What do "bipesiod", "cinctiod" and "ecdysial opening" mean? I try to keep my personal glossary complete, and will also write these into 2A when I hear from you.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



Bujak Research Limited

2a 3704 6 Street NE Calgary Alberta Canada T2E 6K5 Tel: 230 8187

December 1, 1983

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

Dear Alfred:

Thanks for your letter of November 11. Don't worry about delays with the Fundy paper - it seems that we are both swamped at the moment with work, but we'll get to it one of these days.

About the definitions of some of the terms used in the Bujak and Davies paper, there is a glossary included in the paper as Appendix B on page 164. All three terms that you mentioned are defined there.

With my best regards.

*ASD
Cont 13*

Yours sincerely,

Jonathan Bujak

MEMO

Dr. Jonathan Bujak, *BUJAK RESEARCH LTD.*
~~Petro-Canada~~ *2A 3704*
~~Geological Research and Services~~
~~P.O. Box 2844~~ *64 St. NE*
Calgary, Alberta, Canada ~~T2P 3E3~~
T2E 6K5

~~403-296-8000~~
~~403-270-2580~~
403-230-8187

25
43, 44, 45, 46, 47

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

22 October, 1987

Dr. Jonathan P. Bujak
Bujak Davies Group
1 - 2835 19 Street NE
Calgary, Alberta, Canada
T2E 7A2

Dear Jonathan:

Nice seeing you. When I got back, I found my recent batch of reprints to you had been returned--use of penultimate address alleged. Have sent off again.

Went to Scot's Bay and collected another sample. Have no rush of confidence! Will tell you if it's a bell-ringer.

Problem--I probably owe you some \$--I don't know how many. The little man at Alethic software insisted I not give him any \$ but settle with you--but I didn't find you again. Please let me know how much it is--you shouldn't be out the money. I have a Canadian checking account.

All the best.

Yours very truly,

Alfred Traverse

AT/et

6 January, 1984

Dr. Jonathan Bujak
Bujak Research Ltd.
2A 3704 6th St. NE
Calgary, Alberta, Canada T2E 6K5

Dear Jonathan:

Man, what fancy stationery--mind-boggling! (classic crest watermark, too!)

I'm embarrassed that I missed the glossary in your paper. Whoops
I thought U looked.

More later.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

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

17 March, 1993

file
M. Covington
Bugware, Inc.
1707 Monticello Dr.
Tallahassee, FL 32303

Dear Friend:

Just read bit about Bugware paleontology program in Newsletter
Comm. Quant. Strat. Sounds as if I might be able to use it for
my palynological research. Could I have more information.

Thanks.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

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

*file
Bugward*

13 April, 1993

Dr. Mitch Covington
Department of Geology
The Florida State University
Tallahassee, FL 32306

Dear Friend:

Thanks for your letter of 31 March, with more details about Bugware. I think this might be something I could eventually use. It is very hard to decide whether one could use it on the basis of what you can say in a letter. I guess you need to produce a "promotional" blurb in which you go into a bit more detail. What I would need in such a program would be possibility to plot ranges of important species of spores, pollen, etc., against known ranges in critical reference sections, which I'd want to store for repeated use.

I guess what I should do is wait for your "major upgrade" and hope you'll be able to come up with a booklet that makes it clearer whether it's worth the scarce dollars I have available (no grant at the moment!).

In the meantime, many thanks for answering my inquiry, and best wishes

Yours very truly,

Alfred Traverse

From: "Jo van Buggenum" <racintim@xs4all.nl>
 To: <Undisclosed.Recipients@xs4all.nl>
 Subject: Zonation and Correlation Software
 Date: Tue, 2 Dec 1997 21:10:54 +0100
 X-MSMail-Priority: Normal
 X-MimeOLE: Produced By Microsoft MimeOLE V4.71.1712.3

Would you like to see your biostratigraphic analysis data through the eyes of your computer ?

Recently, my company has released a computer program that computes a probabilistic range chart and correlations from biostratigraphic well or outcrop data. As input the program will accept both fossil ranges as well as stratigraphic event data.

My name is Jo van Buggenum. During the day time I am working for Shell International as a stratigrapher and in the evening I am president of "Race in Time", a small and independent software company that develops stratigraphic software for scientists and industry.

For more information please visit my web site at :
<http://www.xs4all.nl/~racintim>

You can also send an e-mail to racintim@xs4all.nl and I will forward the information to your postal address.

I'll be glad to help you.

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<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
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<HTML>
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<HEAD>
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<META content=text/html;charset=x-user-defined http-equiv=Content-Type><!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN"><!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
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<META content="MSHTML 4.71.1712.3" name=GENERATOR>
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</HEAD>
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<DIV>&nbsp;</DIV>
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<DIV><FONT color=#000000 face=Arial size=2>Would you like to see your biostratigraphic analysis data through the eyes of your computer ?</FONT></DIV>
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<DIV><FONT color=#000000 face=Arial size=2></FONT>&nbsp;</DIV>
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<DIV><FONT color=#000000 face=Arial size=2>Recently, my company has released a computer program that computes a probabilistic </FONT></DIV>
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<DIV><FONT color=#000000 face=Arial size=2><B><l>range chart</l></B> and
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<STRONG>correlations </STRONG>from biostratigraphic well or outcrop data.
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</FONT><FONT color=#000000 face=Arial size=2>As input the program will accept both fossil ranges </FONT><FONT color=#000000 face=Arial size=2>as well as
```

October 11, 1972

Alfred Traverse

Building Maintenance Dept.
401 Old Main

Dear Sirs:

I am writing this memorandum to inquire whether there is a regulation at this university regarding smoking in lecture rooms, and if there is such a regulation why it is not enforced. Whenever I am teaching I always announce that there will be no smoking during my lectures (although I am a smoker myself) because I think it is exceedingly unfair and a potential health hazard to the non-smokers in the room. It seems to me that it really is long overdue for the university to make a firm policy statement on this issue both for the health reasons (now well documented) which I have cited, as well as the very obvious fact that the ashes and ground out butts on the floor constitute a source of much extra labor and expense for maintenance of our buildings. I would appreciate comment on this question.

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Region V
Box 11, University Station
Grand Forks, North Dakota

April 6, 1954

Dr. Murray F. Buell
Pottery Department
Rutgers University
New Brunswick, New Jersey

Dear Dr. Buell:

Your paper on Jerome bog (1946) has proven very stimulating. As I mentioned in an earlier letter, the sedimentary types and sequences you describe for Jerome bog are remarkably like those found in the Brandon, Vermont, deposit of lignite (cf. "brown peat?"), clays, sands and silt (cf. "black peat?"), of Tertiary, probably Oligocene, age.

Have you any analytical data on the pollen and/or megafossil floras of the clay and peats of the Jerome bog? Such data would be very interesting for comparison with the relationship of microfossil floras and sedimentary sequences in the Brandon deposit.

In addition to your comments on the above question, I would appreciate a reprint of your 1939 paper, "Peat formation in the Carolina bogs", if still available.

Very truly yours,


Alfred Traverse
Coal Technologist

ATraverse:dm

cc: Region V
Lankford
✓ Traverse
File 625.1
C File

RUTGERS UNIVERSITY
The State University of New Jersey

DEPARTMENT OF BOTANY

NEW BRUNSWICK, NEW JERSEY

April 15, 1954

Mr. Alfred Traverse
Box LL, University Station
Grand Forks, North Dakota

Dear Mr. Traverse:

I am very interested in your comments on Jerome bog peats which you say are remarkably like your lignite deposits. I have made a pollen study of these deposits in Jerome bog. I gave the data to Dr. David Fry who published them with his studies in similar deposits on the North Carolina Coastal Plain. His paper appeared in Ecological Monographs in 1953. I shall be glad to send you a copy of my paper on peat formation in the Carolina Bays.

You will also find that in the last December issue of the Journal of the ~~Elisava~~ Mitchell Society, Wells and Boyce have published a description of the bogs surrounding the Carolina bay lakes. Their findings do not support my concept of peat formation. Fry also has published on these bogs surrounding the bay lakes. His paper appeared in the January issue of Ecology for 1954.

The controversy concerning the Carolina Bays continues to be increasingly interesting since not only the origin of the bays but the succeeding history of the bays is coming into the picture as a controversial study. I think you will find the work of Fry and also the work of Wells of interest if you are working with deposits similar to the ones that we have been studying.

With regards,

Sincerely yours,

Murray F. Buell

Murray F. Buell
Associate Professor
of Botany

MEB fb

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

April 23, 1954

Dr. Murray P. Buell
Associate Professor of Botany
Rutgers University
New Brunswick, New Jersey

Dear Dr. Buell:

Thank you for your letter about the Jerome bog peat. I look forward to getting a copy of your paper on peat formation in the bays, and I am looking up the papers of Frey, and Wells and Boyce. I am sure that further information on the Carolina bays story will be illuminating to me in my work on the origin of the Brandon and other lignites.

I hope that it may prove possible for me to see some of the bays and bogs at first hand, perhaps later this summer.

Very truly yours,

AT

Alfred Traverse
Coal Technologist

ATraverse:dm

cc: Region V
Lankford
✓Traverse
File 625.1
C File

From: EBUCHHOLTZ@WELLESLEY.EDU
Return-path: <EBUCHHOLTZ@WELLESLEY.EDU>
To: Traverse@EMS.PSU.EDU
Date: Mon, 19 Oct 1998 09:03:16 -0400 (EDT)
Subject: sorry to miss you
Message-ID: <01J35DN9K1088X7Z60@wellesley.edu>
X-Status: Read

Dear Al!!

So sorry to have been flying out the door just as you arrived. I flew out after a class to catch a plane, on my way to visit my daughter who is a freshman at Carleton College. We had a great visit (in heavy rain!), and I returned back Sunday evening.

Since your wife is working on the big reunion, I have hopes that you will be coming back with her next June for the celebration, and perhaps I can see you then. There would be a lot to catch up on, because I don't think I have seen you for about 25 years!

My two children are now at least "semi-launched", and I am enjoying a period of increased excitement with research. I work on the biomechanics and evolution of the vertebral column as an indicator of locomotor style in extinct big things -- most recently whales and ichthyosaurs. The college has been very good to me (and for me), and I am very involved in teaching and service here. It is a wonderful institution. In January I am going on a semester's leave, and will have my first chance to see the Galapagos, and then go to do comparative work on collections in Europe.

I see your name often, and of course remember your many kindnesses to me back in Pennsylvania. I hope that the years have treated you and yours well also, and hope that the upcoming reunion will give us a better chance to catch up in the near future.

Emily (Betty) Buchholz

Subject: Re: not2B.lecture
To: traverse@ems.psu.edu

May-June '99

Alfred!

I'm just back from England and had a wonderful, wonderful time. I indulged in all kinds of Darwinmania, and also measured a lot of ichthyosaurs. I did get to see the Kew Gardens for a short visit, but soon became aware that one would need DAYS to see it all. I did go to the plant evolution building, where they actually have stromatolites! Neat. I have used some of Peter Crane's articles for my senior seminar on the history of life. Didn't know he was your friend, but probably should have guessed. The articles are great.

Have a wonderful time at the 50th reunion, and PLEASE take whatever opportunities you have in the future to include me on your Boston itineraries. I really am here most of the time.....but not during sabbatical semesters!

Emily

Buchholz

Subject: Here's the scoop
To: traverse@ems.psu.edu

*Emily (Duffin)
Buchholz*

Hi, Al -

Nice to hear from you, and congrats on the contract for the new edition of Paleopalynology. And yes, a terrifying story about your daughter in law. I wish her the best.

Here's the stuff "for the list":

I apparently took your course in 1975 - more than a quarter of a century ago!!

My title at the Wm Penn (now the State Museum of Pennsylvania, or some variant of that, I think) was "Curator of Paleontology."

My Ph.D was from George Washington University, 1974.

The topic of my thesis was "Phylogeny of the Artiodactyla: a study of gross cerebral characteristics."

In about two weeks I hope to be able to tell you that my title at Wellesley is simply "Professor." But until then, or if I get turned down, its "Associate Professor." Hold a thought!

Not for the list:

Things here are good. I work too hard, but still enjoy it a lot. The College gives me lots of opportunities to be involved in service, and I am trying to master the art of saying "no." Just this week I had my last meeting as a member of the tenure-granting committee (CFA), and I am VERY glad to be done with it. In the last two years I have made a concerted effort to put more of my energy into "non-work" activities. These include very active involvement in my church (especially outreach, and right now a year-long intensive Bible study) and participation in the Cambridge Symphony Orchestra (non-professional). I think you may have known that I play cello. I really enjoy it. When I have the time, I work on family genealogy. Its a little bit like paleontology, don't you think? This summer I'll be in Germany, and get to do a little of both on the same trip.

The kids are mostly out of the house. Daniel is just finishing up at Harvard (he took some time out to work at a start-up company and to do service work) in Computer Science, and Hannah is a junior at Carleton in Comparative Religion.

Yes, I am still working happily on the vertebral columns of ancient vertebrates. I love the serial homology stuff. One of my articles just came out in Journal of Vertebrate Paleontology, if you want to take a peek (JVP 21(1):61-73).

Greetings to Betty - how wonderful for your son and daughter-in-law that she was able to help out with the children. I lived with my Aunt for a while as a child, when my father was seriously ill, and we have remained very close ever since.

THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Department of Geosciences
Palynological Laboratories

Area Code 814
863-3419

27 October, 1986

Dr. R. K. Brummitt
Royal Botanic Gardens
Kew, Richmond, Surrey
U.K. TW9 3AB

Dear Dr. Brummitt:

This is in response to yours of 16 September, 1985 re author abbreviations and the "working party."

Clearly fossil plant authors should be given consideration, for completeness' sake, if for no other reason. Our committee is the logical group to provide input. Probably we could co-opt somebody to work on it.

However, I must confess that ours may be a field for which abbreviations are not generally necessary or desirable. In the first place, I suspect we have a higher ratio of authors/names than for neobotany. Secondly, our formal citations seldom appear in places (such as floras) where abbreviations are obligatory. It has inconvenienced us little to use the full author names and might inconvenience us more to have to consult constantly a dictionary of abbreviations. Nevertheless, somebody should look at the question, and I want to be recorded as expressing a desire to cooperate.

Yours very truly,

Alfred Traverse
Professor of Palynology
Secretary, IAPT. Comm. for Fossil Plants

AT/et

cc: Dr. W. G. Chaloner, Chairman, IAPT.CFP

Similarly, per 5vii, the publishing entity is spelled the way the name appears in print. If the author publishes as A. Traverse, nobody has any business rendering it as A.X. Traverse, just because he's discovered there is such an initial on an insurance policy somewhere.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

— AT/et
cc: Chaloner

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

20 February, 1987

Dr. R. K. Brummitt
The Herbarium
Royal Botanical Gardens
Kew, Richmond, Surrey, U.K.

Dear Dick:

Read yours of 19 January with great interest. "Clifford" in Brisbane (p. 12) is not known to me, but there are folks in Brisbane (Noel de Jersey, Mary Dettmann, Geoffrey Playford, and others) who know the paleopalynological literature. I'm pretty sure I speak for Bill Chaloner in saying that we'd like to have "the list" run by us at some point.

I would like to comment on p. 17-5iv, "Name changes....", as this is a subject that has greatly interested me. In palynology we have all sorts of folk with two names and a few with three! It is clear to me that each of the names constitutes an entity, and the name must be kept as it was at the time of publication, as if it had nothing to do with other names for the same person. Thus, Bhardwaj 1958 must not be combined with Bharadwaj 1962, even though it is the same person. What counts is the publishing entity, not the person. I know of no example, but if somebody had a pseudonym and published names under both names, perhaps even in the same number of the same journal, these should be maintained as separate publishing entities, regardless of the identity of the person responsible. In the case of women, nobody should attempt to "fix it up" by hyphenating two names together. Indeed, if the person used Smith, Jones, and Smith-Jones, all three must be maintained as separate publishing entities. Nobody else should cook up "Smith-Jones" for her. Of course, people should avoid changing their names for purposes of scientific publication, and women for that reason should be urged to publish only and always under the birth name. Thank goodness, there is a trend in that direction.

Mr. Jack Burgess
Gulf Research & Dev. Co.

April 2, 1979

Dear Jack:

Darned if I can remember paying this
year's dues, nor can I find a Cancelled Check
so guess I didn't pay, sorry about this.

Not just sure what the amount is either,
seems like it is \$15.00 but believe I read
where Al Traverser needed a dollar for
some international deal he's associated with
so I added on another dollar. If and when
you see Al tell him I finally built my
my own Maceration Lab, got tired of sending
samples to Joney Gray's lab in Eugene.
I'm doing a little consulting but trying not to
get too involved. Just on my own I'm going to be
doing some Palynology on the L. Tertiary Fms. of
Southwestern Oregon. Have the Bastard of them
all collected but am having hard time finding
time to work on the samples.

Sincerely yours

John Downing

file

10 May, 1978

Mr. John L. Browning
P.O. Box 158
Allegany, OR 97407

Dear John:

Jack Burgess has sent me your letter of 8 April, with the interesting news about your own palynological laboratory. It was interesting to hear that you are working on the lower Tertiary of southwestern Oregon. I note that you're having a hard time finding an opportunity to work on the samples, and that makes me wonder why. What are you up to?

I remember in the long ago you visited us when my son, Paul, was just a tiny shaver and you expressed quite an interest in hearing how he got along. It is quite a coincidence that your letter would come at this time, as we are all getting ready to go to Philadelphia to see him be graduated from medical school. It has been a long time--four years at Harvard and now four years in medical school, but he is at last a full-fledged medical doctor. So, your pulling for him probably helped!

I often think of the fun times we had together, though they were few in number, and wish I could relive some of those days.

Thanks for sending an extra buck to the AASP for the ICP. Actually, as I explained in a letter to the AASP Newsletter, that was a misunderstanding. The various palynological societies in the world have been asked to contribute a dollar a member to assist the ICP in its very voluminous correspondence (planning for the international conferences, etc.), our world list of palynologists, the Newsletter, etc. There was no intention of soliciting individual members, and, indeed, that is why the other technique of assessing the represented societies was chosen instead of individual solicitation. The bookkeeping would be so great as to chew up the tiny contribution from each member. Best wishes to you, old friend.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

cc: Jack Burgess

October 23, 1970

William C. Brown Co. Publishers
Dubuque, Iowa 52001

Dear Sirs:

Would it be possible for me to obtain a copy for examination of "Interpreting Earth History" by M.S. Petersen & J.K. Rigby. I teach, among other things, a course in earth history here at Penn State.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Brown Wm. C.

wcb

Permanized

November 3, 1970

Dear Professor Traverse:

Thank you for your recent communication in which you request a copy of Petersen-Rigby: INTERPRETING EARTH HISTORY: A MANUAL IN HISTORICAL GEOLOGY.

Under separate cover, we have sent you a complimentary copy so that you can examine it in detail, with reference to possible use in your classes.

In about thirty days, we will be sending you a comment blank for your convenience in jotting down any comments you may care to offer on it.

Please do not hesitate to write us should you find that we might be of any further service.

Sincerely yours,

Wm. C. Brown → WM. C. BROWN COMPANY PUBLISHERS

Paul Miller
Paul Miller, Director
University Services

PM:san

Professor Alfred Traverse
Department of Geology and Biology
The Pennsylvania State University
University Park, Pennsylvania 16802

January 20, 1971

William C. Brown, Publishers
Dubuque, Iowa 52001

Dear Sirs:

Would you please send me an examination copy for possible adoption of: "Fossils, paleontology & pollution," by D.L. Clark, 1968?

Looking forward to hearing from you. I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

April 15, 1971

W.C. Brown Co. Publishers
135 South Locust Street
Dubuque, Iowa 52001

Dear Sirs:

This is with reference to the copy of "Clark: Fossils, Paleontology and Evolution", which you recently sent me as a complimentary copy. I have enjoyed reading this book and very well may find some practical application for it in one of my courses in the fairly near future. It contains a great deal of information, though I might have organized some of it rather differently myself. As is usually the case when one looks at the parts which are within one's own speciality, one is less well impressed with them than with other aspects of the book. For example, the palynological statements are really not very good, and the pollen and the pollen pictures on page 49 are bad. I'm sure you are aware of the misspelling of the word Permian on page 17 and such other minor gremlins as that Smilodon (page 114) should not be called "saber-toothed tiger". On the whole, though, the illustrations and material are very good for the use of students in historical geology, and I thank you for sending me this copy.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

August 3, 1971

William C. Brown Co. Publishers
Dubuque, Iowa 52001

Dear Sirs:

For possible adoption as a supplementary text in my course in palynology, I would like to have a copy of "How to know pollen and spores" by Ronald O. Kapp. I would very much appreciate your sending me a copy of this book on whatever terms you have available in this sort of circumstances.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Estee

Fidelity Onion Skin

100% COTTON

web

August 12, 1971

Dear Professor Traverse:

Thank you for your recent communication in which you request a copy of Kapp: HOW TO KNOW THE POLLEN AND SPORES, one of the titles in our Jaques Pictured-Key Nature Series.

Under separate cover, we have sent you a complimentary copy so that you can examine it in detail, with reference to possible use in your classes.

In about thirty days, we will be sending you a comment blank for your convenience in jotting down any comments you may care to offer on it.

Please do not hesitate to write us should you find that we might be of any further service.

Sincerely yours,

WM. C. BROWN COMPANY PUBLISHERS

Paul Miller *san* *file*

Paul Miller, Director
University Services

PM:san

Professor Alfred Traverse
Department of Geology and Biology
Deike Building
The Pennsylvania State University
University Park, Pennsylvania 16802

tell us what you think . . .

An integral part of our publishing philosophy at **wcb** is to maintain a continuing dialogue with professors who actually teach the courses and select the texts. To this end, we solicit your reactions to our book. What do you think of its organization, coverage, writing style and illustrations?

*Nicely illustrated, well written
and organized. For our course
in evolution it has two faults, however—
① nothing about plants—well,
almost nothing*

*② nothing about philosophical
implications—process philosophy,
etc. (Whitehead, Teilhard, etc.)
etc.*

May we have permission to use your comments in our promotional literature?

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My present text is _____

and the enrollment is 200 yr./sem. (qtr). As it looks now, adoption of the **wcb**

text for the next term is () certain () possible () unlikely. My decision date

is contact and my office phone number is 814-865-6201

Professor Carl Keener

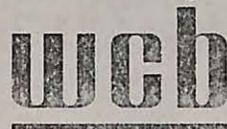
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WM. C. BROWN CO. PUBLISHERS, 2460 KERPER BLVD., DUBUQUE, IA 52001

Thank You **wcb**

file
Brown



JANUARY 10, 1979

PROF. ALFRED TRAVERSE
DEPARTMENT OF BIOLOGY
PA STATE U MAIN CAMPUS
201 OLD MAIN
UNIVERSITY PARK, PA 16802

DEAR PROFESSOR TRAVERSE:

I TRUST THAT BY THIS TIME YOU HAVE HAD AN OPPORTUNITY TO REVIEW THE COMPLIMENTARY COPY WE SENT YOU OF VOLPE: UNDERSTANDING EVOLUTION.

BECAUSE YOUR OPINION IS IMPORTANT TO US, WE ARE VERY INTERESTED IN LEARNING WHAT YOUR INITIAL IMPRESSIONS OF THE TEXT ARE--E.G. WHAT YOU THINK OF ITS ORGANIZATION, COVERAGE, WRITING STYLE AND ILLUSTRATIONS.

OF COURSE, WE ARE ALSO INTERESTED IN KNOWING IF YOU FEEL THE BOOK FITS YOUR COURSE NEEDS AND IF YOU PLAN TO ADOPT IT.

PLEASE TAKE A MOMENT TO SHARE YOUR THOUGHTS WITH US. TO MAKE IT EASY, WE'VE PROVIDED SPACE FOR YOUR USE ON THE BACK OF THIS LETTER.

I LOOK FORWARD TO HEARING FROM YOU SOON REGARDING YOUR TEXT EVALUATION AND ADOPTION DECISION.

SINCERELY,

Paul Miller

PAUL MILLER, VICE PRESIDENT
DIRECTOR, UNIVERSITY SERVICES

P.S. IN ORDER TO AVOID ANNOYING OUT-OF-STOCK SITUATIONS PLEASE RETURN THIS FORM BY JANUARY 31, 1979. A POSTAGE-FREE RETURN ENVELOPE IS ENCLOSED FOR YOUR CONVENIENCE.

224915



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

U.S. National Museum
Washington 25, D.C.
March 27, 1953.

Mr. Alfred Traverse,
Box LL, University Station,
Grand Forks, N.Dak.

Dear Mr. Traverse:

In reply to your letter of March 23 concerning
a checklist of plants from the Fort Union formation:

You will find such a list on page 768 in F.H. Knowlton's "Catalogue of Mesozoic and Cenozoic plants of North America" (U.S. Geol. Survey Bull. 696, 1919). You should be warned, however, that this list is dated 1919. Since then many changes in names have been made in scattered publications, the most recent being by Walter Bell in "Uppermost Cretaceous and Paleocene floras of western Alberta" (Canada Geol. Survey Bull. 13, 1949).

I, myself, have been restudying the Fort Union flora for 20 years, but am not yet quite ready to release my revised list.

Yours truly,

Roland W. Brown

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

March 30, 1953

Dr. Roland W. Brown
U. S. National Museum
Washington 25, D. C.

Dear Dr. Brown:

Thank you for your letter of March 27 re the
flora of the Fort Union formation. I shall look for-
ward to getting a copy of your revised list, when
available.

Very truly yours,



Alfred Traverse
Coal Technologist

cc ✓ Dr. Traverse
File

locally. Sometimes even the "head" is made to specifications by a laboratory machine shop. They are not very complicated devices.

Yours very truly,

AT
Alfred Traverse
Technologist (Coal)

ATraverse:jhf

cc: Region V
Lankford
File 630
C File
Traverse

Traverse

Region V
Box 11, University Station
Grand Forks, North Dakota

August 18, 1954

Dr. Robert T. Brown
Department of Forestry
Michigan College of Mining and Technology
Houghton, Michigan

Dear Dr. Brown:

Your letter of August 4 about peat samplers has been referred to me. We are principally concerned here with lignite research, although I have been interested in pollen analysis of peats for some time.

The two best known peat-sampling "heads" (a tube designed for cutting short cores of peat at selected levels in a peat deposit) are:

1. The Miller
Made by: Bolls and Mattson Co.
Mars, Sweden
2. The Davis
Made by: Eberbach and Son Co.
Ann Arbor, Michigan

Mr. Robert W. Lichtwardt, Botany Department, Oberlin College, Oberlin, Ohio, is well versed in sampling of peat bogs and could doubtless give you complete information. He recently published a paper, "A new light-weight shaft for peat samplers," The Paleobotanist, vol. 1, 1952, pp. 317-318.

Professor John E. Pottsger, Botany Department, Butler University, Indianapolis, Indiana, is a recognized authority on peat sampling, and he could also supply you with information - including perhaps the loan of a sampler.

Common practice is to purchase a sampling "head" and have the rods used to lower the "head" into the peat bed made

November 7, 1968

Mr. Ray Brown
Foreman
Masten Ranch
Adrian, Texas 79001

Dear Mr. Brown:

It was very helpful of you to let us get a sample of the coaly material from your ranch a couple of weeks ago. We already had a piece or two from the professor at the University of Texas, but it was much better to get some photographs of the locality and some well located samples. We will plan to keep you informed as time goes by about the progress of study of the samples. As I told you, the studies are of a purely scientific nature, and it is very unlikely that the coal will be of any commercial importance. Yet, as an isolated example of the stuff in question it is of considerable interest to us. We are currently planning that Bob Dunay (whom you met) will do his Ph.D. thesis on the stuff.

Thanks again for your cooperation.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

September 20, 1971

Mr. Ray Brown
Foreman, Masten Ranch
Adrian, Texas 76001

Dear Mr. Brown:

You may remember that in the fall of 1968 you were helpful to me and a student of mine, Bob Dunay, in letting us take a few samples of some coaly material in which we were interested. It outcropped fairly near the house of one of your assistants, Calvin Peters. As I explained at that time, the coal is of no commercial significance, but is of considerable scientific importance, and Bob Dunay has been working on his doctoral degree using the locality as the principal material for his thesis. He has already submitted a paper for publication which should be published before too long, and has given several oral presentations on this interesting locality. The chief reason it is of interest is because of certain fossils that are contained in the lignitic or coaly material.

Dunay and I are hoping to be able to visit the area again in October of this year in order to make some additional measurements of the precise locality where our productive samples originated, and we are naturally hoping that this will be all right with you. Hoping to hear from you, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

May 9, 1983

Dr. Traverso,

Thanks for your comments, they were all quite helpful.

By the time I deciphered my notes, I wasn't sure what "scolodents" (how I'd spelled it in my notebook) was, although I had marked it as

"remains of ~~both~~ animals, i.e. worm jaws." So I looked in Van Nostrand's Scientific Encyclopedia (1976) and found, under "Invertebrate Paleontology: V. Vermes, or Worms": "The jaws and teeth of worms, called oonodonts, are useful index fossils."*

Just goes to show you how reliable reference books are. Thanks again,

Nancy Brown
Brown

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
PALYNOLOGICAL LABORATORIES
435 DEIKE BUILDING
UNIVERSITY PARK, PA 16802, USA
Phone: (814)863-3419; Fax: 814-863-7823
E-Mail: traverse@ems.psu.edu
6 September, 1994

Michael Brown
Science Librarian
Messiah College
Grantham, PA 17027

Dear Friend:

A couple of weeks ago I sent via one of your students (Nathan Ehresman) a bunch of American Journal of Botany. You had said over the phone that you'd like the past few years. 1994 will be sent when the year is over.

I enclose Vol. 79, No. 9 (Sept. 1992), of which I wanted to have a slide made of the cover before sending it. There were one or two other missing numbers which will probably turn up and will be sent.

If you would send a bunch of address labels (rubber-stamped onto peel off white labels is fine), I could send the journals along as they come out.

Thanks.

Yours very truly,

Alfred Traverse

encl.:journal

October 7, 1994

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

Dear Dr. Traverse:

Finally, on behalf of the Messiah College Library, I want to thank you very much for your gift of the *American Journal of Botany*, v. 62-80, 1975-93, received by way of Nathan Ehresman at the end of August.

As you know, our subscription to the *AJB* ended in 1988 and we are therefore grateful to bring the title up to date. The issues for 1975-88 are now in the Natural Sciences department.

Thank you also for your willingness to send us the issues for 1994 at the end of the year. This constitutes the closest we will come to a subscription in the near future, and we are grateful. Enclosed is the mailing label you requested to mail the issues.

I checked with Dr. Emberger, our botany professor, about your offer to send us back volumes and future issues of *Taxon*. He says that these would indeed be useful to our students and we would be happy to have these in the library. Thank you for your generosity.

Sincerely,

Michael Brown,
Acquisitions Librarian

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
1 November, 1994

Mike Brown, Science Librarian
The Library
Messiah College
Grantham, PA 17027

Dear Friend:

Are you there? I have gone ahead and flanged up mailing labels for sending journals to you. First ones should arrive soon. Let me know if this address is insufficient, inappropriate, or whatever.

You have also never responded on the question of whether MCL would like a long run of Taxon, the journal of the International Assoc. for Plant Taxonomy. I also can offer a very long run of Sida, one of the most important American plant taxonomy journals. Current number, for example, contains an important article by PSU's taxonomist on the buttercup family, his specialty. In both cases, as with AJB, I get the journals and will keep on sending them to you for the foreseeable future, if you like.

All the best.

Yours very truly,

Alfred Traverse

December 12, 1973

Mr. Kenneth A. Brown
c/o Rock Haven
Maple Drive
Coventry, Connecticut 06238

Dear Mr. Brown:

Professor Schmalz has referred to me your letter of 3 December regarding your possible interest in doing graduate work here at Penn State. As you may know, the program in palynology here is under my direction. We at the moment have one graduate student who is a product of the University of Connecticut, Mr. Bruce Cornet, who took a masters degree at UConn after his bachelors degree. He was in the biology department at that time. I am asking the appropriate office here to send you all of the general information about application for the graduate program. I can tell you that competition at this time is very stiff, but, as they say, "there's always room at the top".

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Palynology

AT/vsi
cc Dr. R. Schmalz
Ms. G. Pringle

February 15, 1974

Mr. Kenneth A. Brown
Rockhaven Maple Drive
Coventry, CT 06238

Dear Mr. Brown:

I have seen your application for graduate school at Pennsylvania State University, in which you mention a possible interest in palynology. As you probably realize, your grade point for your all-college record is a little low, making your case marginal. On the basis of your record alone, you very likely would be rejected. However, it occurs to me that if you could possibly get here to Penn State, and we were able to discuss the matter personally, it is possible that I might feel inclined to try to get special consideration for you. We really cannot require such an interview, and I am not making such a requirement, especially under the present travel circumstances. I can well realize that you might find it difficult to get here. It is about an 8 hour drive. If you would be able to do this, could you perhaps phone me at 814-865-2342 and discuss the possible timing?

Best wishes to you and your career plans.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

40 Rockhaven
Maple Drive
Coventry, Ct. 06238
March 1, 1974

Dr. Traverse
Dept. of Geology
Deike Building
Pennsylvania State University
University Park, Pennsylvania

Dear Sir,

Thank you for your recent letter expressing concern over my application for admission to graduate studies at Penn. State. A mild case of mononucleosis requires that I remain relatively inactive, throughout midsemester break, which is this coming week. Lacking means of transportation, I regret that I will be unable to meet with you as suggested. I do realize that my overall grade point average is low. However, I do not consider my freshman-sophomore record at the University of Connecticut to accurately reflect my abilities. Looking back, I see myself just ^{out} of highschool lacking direction. It was not until my junior year that I entered the geology department here at Uconn. Even then, I had just ~~ac~~ acquired study habits. It is my hope that the admissions committee, in evaluating my transcript, will place primary emphasis on my upper division coursework and the recommendations of my instructors. Once again, I wish to thank you for your correspondence.

Sincerely,
Kenneth F. Brown

December 15, 1975

Mr. Kenneth A. Brown
Museum of Paleontology
University of Michigan
Ann Arbor, MI 48104

Dear Mr. Brown:

Thank you for yours of 1 December. I am, of course, very interested to learn that you might like to come to Penn State to do graduate work in palynology under my direction. I have three graduate students in residence at the moment (and one non-resident finishing up). I also contemplate that I will have an opening with support in the fall of '76.

The best way for you to ascertain whether you would like to be here would be for you to pay us a visit--it's about an eight hour drive from Ann Arbor. If that can't be arranged, let me know, and perhaps we could talk over the phone. In the meantime, in order for me to assess the possibility of your being admitted to our graduate program it would be helpful if you could let me see a transcript of your undergraduate record. Admission to the Geosciences Department at Penn State is fairly difficult. I should tell you that I also have an appointment in the Biology Department here, and it is possible for a student to do graduate work under my direction in biology. The only difference would be the requirements for admission and so forth. Looking forward to hearing from you in the fairly near future and with best wishes I am

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb
cc: Dr. Scholten

P.S. My current research interests: Triassic-Jurassic palynofloras of North America; Black Sea Cores and surface sediment. (Miocene to Recent materials) and paleoclimatology in Mid-Paleozoic palynofloras.

5 October, 1966

Mr. J. D. Brown
Brinkmann Instruments
Cantiague Road
Westbury, New York 11590

Dear Jim:

Thanks for your nice letter of 30 September. It was good to know that you're still doing business at the same old stand (more or less).

Well, what I would really like is indeed a Photomicroscope, but realities are realities, and what I must be contented with is a GF Standard. I also want a camera, and that is where the fun begins. The Gamma or Brinkmann U camera, or whatever it was, that I had at Shell served me faithfully and well for many a year. The only problem with it was that there was no way you could have it attached to the microscope and still continue to use the microscope as a microscope. Has that problem been corrected, or is it not amenable (as I fear is the case) to correction?

The attachment camera from Jena looks interesting, tho' it may be a little gimmicky for me (I'm pretty conservative on these things). My complaint about attachment cameras is that they're only good for the smaller sizes of films.

Anyway, what I want is a GF Standard with Neofluar objectives, oculars for spectacle use, etc., and a camera of some sort that could be kept attached to the scope while it is in use. (I may have to consider using one of Spackman's couple of dozen Ortheluxes as a spare microscope, kept attached to the camera.)

Does this sufficiently confuse you?

Too bad you couldn't come up by yourself. I'd love to see you again. I don't contemplate visiting N. Y. in the near future. I passed through on the way back from the Utrecht meetings last month.

Yours very truly,

Alfred Traverse — *Jim "Al"!*
Alfred Traverse

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

25 January, 1993

Mr. Henry S. Brown
Law Engineering
3301 Atlantic Ave.
P. O. Box 18288
Raleigh, NC 27619

Dear Mr. Brown:

Thank you for the kind letter of 19 Jan. from you and Mr. Tice.

We have considered your invitation to bid on the job you outline in the letter and have decided that because of other obligations, and given your time frame, it would be unwise for us to undertake this project.

Under the circumstances, I am returning your letter and enclosures because of their confidential nature.

Kind regards.

Yours very truly,

Alfred Traverse

encl: letter and data

1. I know the applicant: very well; moderately well; only slightly.
2. Contact with applicant: student in lecture class; student in laboratory; Academic advisor; other student in lecture & lab. — attended seminars in my home

3. Would rate among recent graduates as:

	1. Excellent	2. Above Average	3. Average	4. Below Average
A. Intellectual ability or capacity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Initiative and drive	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Personality and cooperativeness	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Ability in geological sciences	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. Would rate applicant's potential as:

E. Graduate Student	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Research Assistant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. Teaching Assistant	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. From the following list of phrases, please check as many as you are able to apply to the candidate. Feel free to modify phrases by additions or deletions.

- Definitely Ph.D. material.
- Recommend for M.S. program; wait and see for Ph.D.
- Cannot in good faith recommend this person for graduate work.
- A truly brilliant mind; academic pursuits have always come easy for him.
- Not of superior intelligence, but makes up for it in hard work and diligence.
- Imaginative and creative thinking; a real innovator.
- Solid and conventional in performance, ~~but lacks imagination.~~
- Superb analytical mind; able to analyze problems quickly and perceive solutions.
- A great synthesizer.
- Aggressive curiosity; challenges his professors.
- Got off to a slow start in college, but has improved greatly in last few years.
- His potential is better than is suggested by his academic record.
- Pretty much an average student.
- Extremely variable academic performance that is difficult to evaluate; has ups and downs, good days and bad days.
- Has a good overall grasp of basic science—physics, chemistry, math, biology.
- Weak in the quantitative aspects of science ~~based on problems w. math only.~~
- Dogmatic and stubborn; tends not to accept or consider other points of view.
- Openminded and discriminating judgement; able to separate the wheat from the chaff.
- Lacks judgement in that he tends to get stuck on minor aspects of a problem, rather than seeing the whole.
- Smart but lazy.
- A good technician, but less able to handle theoretical concepts.
- A good theoretician, but somewhat inept in the laboratory.
- Able to handle laboratory projects and theoretical problems with equal facility.
- Works well independently.
- Performs well under supervision.
- Needs constant prodding.
- Does well if a topic interests him; otherwise his performance is lackluster.
- Very enthusiastic, but sometimes gets carried away and spreads himself too thin.
- Tends to procrastinate; does not complete projects on time—sometimes not at all.
- Tends to plunge into things without thinking.
- A good and effective public speaker.
- Shy and uncomfortable when facing an audience; ineffective in oral expression.
- Writes with clarity and precision. Very good writer.
- Lacking ability to communicate in writing.
- Very organized approach to his work.
- Sloppy and careless in his work habits.
- Beset with personal problems that interfere with academic performance.
- Emotionally and psychologically stable; self-confident.
- Easily discouraged.
- A perfectionist; pursuit of excellence is an obsession.
- Takes criticism well; learns from his mistakes.
- Reacts negatively to criticism, even though intended to be constructive.
- One of the best-motivated students I have seen; enthusiastic about science.
- Tends to drift; not sure of his goals — probably coming out of it?
- Brilliant but irritating; a tendency toward intellectual arrogance.

March 21, 1969

Dr. Dwight Delon Brown
818 Avenue K Apt. 5
Huntsville, Texas 77340

Dear Dr. Brown,

Thank you very much for your letter and for the check which makes you an official member of AASP, since you had been elected earlier on condition only that we received the first year's dues.

I want to thank you also for the publication about the Big Thicket which you sent. I have collected plants throughout that area, and I regard it as one of the most beautiful parts of North America. It is only a pity that adequate steps were not taken years ago to assure its protection. The Kirby Lumber Co., despite its progressive forestry practices, must shoulder a large share of the blame. I once spent a day with Lance Rosier and will never forget the experience! I have a medical doctor friend in Houston who should be drawn into efforts to preserve what is left of the Big Thicket; he was with me when I visited Mr. Rosier; the doctor's name is Dr. C.D. Speck, Jr.

Hoping to meet you one of these years, I am,

Yours very truly,

Alfred Traverse
Secretary-Treasurer

AT:mf

February 12, 1969

Dr. C.Q. Brown
Department of Geology
East Carolina University
Greenville, North Carolina 27834

Dear Charlie:

Had a grand time with you all and want to thank you for all that you did to make the visit profitable and fun. It was especially nice of you and your wife to have the party in my honor, and I hope that you will convey my thanks to here

I seem to recall that several of you requested copies of the paper on the Bahamas. I am sending under separate cover a somewhat longer paper on the same subject; it is really the better thing for you to have anyway.

It was amazing to see so much evidence of geological activity at ECU, especially considering that you got going so recently. It seems evident to me that your staff is certainly of a caliber that makes it important that a graduate program in geology be developed. Such a program is important in keeping your group's professional standing and enthusiasm at a high level. I can't imagine people such as Stan Riggs (to mention only one) being content to work only with undergraduates for any length of time. From North Carolina's selfish point of view, as a state, it is going to be beneficial for you all to have a program leading to advanced degrees, because you have some uniquely qualified people in your department, and if you do not have a graduate program, the state will simply lose research students and projects to other, out of state, institutions.

Thanks again for being a fine host! Best wishes with your developing program in geology.

Esleek
Yours very truly,

Fidelity On
Alfred Traverse
Associate Professor of Geology

AT:kwc
W.C. Cotton

EAST CAROLINA UNIVERSITY

GREENVILLE, NORTH CAROLINA 27834

DEPARTMENT OF GEOLOGY

February 19, 1969

P. O. Box 2751

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

Dear Al:

You raised some questions which I will try to answer.

First, consider space for expansion of the Department. Enclosed are plans of Graham building. The entire second floor will go to us. In addition to that, on the first floor room 105 has been guaranteed us by Dean Howell to use as an instrumental laboratory. Specifically, this is for the X-ray Diffractometer, the Emission spectrograph and a small portion partitioned for a dark room.

On the third floor, a small office, a large office and a large classroom will be assigned to us.

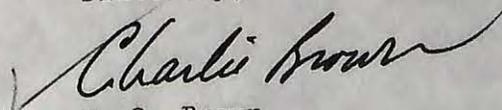
All of this is in addition to the space in Ragsdale basement which we shall retain.

My views are to utilize the new space for laboratories as much as possible even if this means using lecture rooms in adjacent buildings for large sections of introductory classes. This effectively increases the space available to the department.

The administrative set up here is a rather decentralized one. That is, Departments have great freedom in the programs undertaken. Of course there are state laws and university regulations which must be adhered to but the important roles of the Department are formulated there.

I hope this letter answers questions which are important to you. If you think of others don't hesitate to write. My experience here has been very gratifying. The working relationships are excellent. We have had 200% support for our program within the context of resources available to the University. There has been no restraint.

Sincerely,



C. Q. Brown
Chairman

CQB:st

October 25, 1955

Professor Clair A. Brown
Department of Botany
Louisiana State University
Baton Rouge, Louisiana

Dear Clair:

Thanks for the copy of the outline. Apparently the material for it finally caught up with you, but that may be a complicated story that I shall hear one day. I remember that it was chasing you around the country at the time of the East Lansing affair in September.

I have been here since late September, and I would indeed be planning to pay you a visit one of these days, except that I am going over to Shell's laboratory in The Hague very soon. I leave November 2 and will not be back until January. Of course, I am delighted at the opportunity to see some of the European palynologists, but I very much regret missing the G. S. A. meetings in New Orleans. The Coal Group meetings look quite interesting, and some of the general section's papers will be very worthwhile. Also, I would like to have taken in one of the post-meeting field trips.

See you next year sometime.

Sincerely yours,


A. Traverse

AT:nro

Shell Development Company
Exploration and Production Research Division

Ca. 10 July 1957

Dear Al:

This is the Kimble Opticlear vial with a push in plastic top. I like them better than shells with corks or screw on tops. After my last washing in the centrifuge tube, I decant part of the liquid, then stir and transfer to the vial. These vials fit inside the 15 mm round bottom centrifuge tubes and so I do my final staining and dehydration for mounting media in them.

Best wishes,

Clair
Clair. Brown

P.S. I think they are
Kimble 7600
between \$4.50 & \$5.00
a gross.

July 17, 1957

Professor Clair A. Brown
Department of Botany
Louisiana State University
Baton Rouge, Louisiana

Dear Clair:

Many thanks for "Louisiana Trees and Shrubs" and "Poisonous Snakes, Plants and Black Widow Spiders of Louisiana". The manual of trees and shrubs is even better than I had anticipated, and I know it will be very useful to me. The illustrations are, in my opinion, excellent. The "poisonous" book is very interesting and has already attracted the enthusiastic attention of the several amateur naturalists who occasionally frequent my office.

I certainly enjoyed your visit this way, and am hoping to return it one of these months--will give you some warning.

Best regards.

Very truly yours,



Alfred Traverse

AT:ml

Shell Development Company
Exploration and Research Division

Feb. 6 , 1958

Dear Al:

Last summer you mentioned that Mrs Afzelius was coming to U.S. and would visit your place in Houston. I wrote to her and extended an invitation to visit us in Louisiana.

I had a letter from her just as she was leaving for New York. She indicated that she would spend considerable time in New York, then go to Minnesota and would stop off here on her way to Houston. She gave the impression that she would be through here in January. I have not heard from her since then. Is she now in Houston?

I have a daughter in Houston, a few years younger who would be glad to entertain her a bit.

I had a letter from Prof. Erdtman who told me that Mrs Afzelius had remarried to a Norwegian. I do not recall her present name.

Mrs Brown and I will be glad to show her around this part of Louisiana, if she cares to visit us for a few days. We have a spare room.

Best Wishes,

Clara A. Brown

February 10, 1958

Professor Clair Brown
Department of Botany
Louisiana State University
Baton Rouge, Louisiana

Dear Clair:

Glad to hear from you again. You are better off than I--I haven't had any word from friend Barbro since the initial correspondence about her proposed trip. Really, I have been somewhat concerned lest I gave her the mistaken impression that my interest in electron microscopy of pollen is greater than it is. I really don't have too much to tell her. In any event, I haven't any news for you.

Must get over to B.R. one of these years!

Very truly yours,



Alfred Traverse

AT:ml

Shell Development Company
Exploration and Production Research Division

LOUISIANA STATE UNIVERSITY
BATON ROUGE, LOUISIANA

COLLEGE OF ARTS AND SCIENCES
BOTANY, BACTERIOLOGY AND
PLANT PATHOLOGY

AGRICULTURAL EXPERIMENT STATION
PLANT PATHOLOGY

July 12, 1958

Dear Al:

I expect you were surprised that I did not send in a title for the meetings in Bloomington. I have two nice deposits in Louisiana which I have collected ample material. However, some unexpected consulting work came along and I did not have time to do that and complete the paper. Also, I have a summer fellowship on the Huyck Preserve at Rensselaerville, Albany County, N. Y. It is from June 15 to Sept 15th, and I did not know if I could get away for the meetings.

At present I am hoping I can get away. I am working on a cooperative project with Dr. Odgen, N.Y. State Botanist and Dr. W. Richie, the State Archeologist, as well as working on a minor project on the preserve.

Dr. Ritchie has written several papers about his work on the Lake Lamoka Indians, which lived some 3500 years BC. At least the radio carbon dating from their fire hearths is at that level. I have samples of 20 feet of lake sediments under 10 feet of water, taken at 10 cm intervals. We took more material for radio carbon dating, but as soon as the pollen spectrum is worked out we may go back for more material at specific levels. Dr. Don Cox from Marshall College in West Va. is assisting me. I assisted him in the samples from Crusoe Lake and the adjacent marshes. Two separate projects, with different directors. Unfortunately we could not get samples from the deepest part of the lake which is over 50 feet deep, as we had only 50 feet of rod for the sampler. The lake sediments are rich in pollen. Unfortunately the Lake Lamoka set do not go back to the first forest at the close of the glacial period. My basal sample in sand and gravel has hemlock pollen in it. However, I am deep enough to get back to the pre-Indian level.

Best wishes,

Clair

Clair A. Brown
Huyck Preserve
Rensselaerville, N. Y.

P.S. This is a little country town, some 50 houses, about 28 miles SW of Albany, N. Y. We have a nice 6 room cottage on a 500 acre tract. There is a 10 acre pond at out back door.

P.S. Dr. Trotter sent me a photostat copy of the German article on separation of pollen by ultra-sonics. Some how or other I lost the citation to the article. There is nothing on the photostat to indicate the publication, volume, or date. Will you ask him to please send it to me.

July 22, 1958

Dr. Clair A. Brown
Huyck Preserve
Rensselaerville, New York

Dear Clair:

Thanks for the informative letter, which I much enjoyed. As I may have told you, our family has a summer home in the Adirondacks, albeit a long piece north of where you are (Herkimer County), so I know and like the general area. Your pollen material from that lake sounds very interesting.

I remember the German paper on ultrasonic preparation well. But I can't seem to recall the author and, hence, can't find my reprint. Trotter has been transferred to Baton Rouge, as you may know. He is setting up our laboratory over there. I suggest you write him for the reference. (Had you included the author's name, I could probably find it here.) His address is Shell Oil Company, 721 Government Street, Baton Rouge.

Probably I should also tell you that the ultrasonic preparation technique has come a long way since that German paper. The Jersey Production Research Company (formerly Carter) boys in Tulsa use it as a standard method.

Best wishes.

Very truly yours,


Alfred Traverse

AT:vj

Shell Development Company
Exploration and Production Research Division

act. 158

Dear Al: I am sorry that I could not attend the meetings. Your account indicates an interesting and exciting time.

I spent the last three days of August in the field with Dr. E. Muller of Cornell University Geology Dept. He has been studying the geology of western New York from the standpoint of glacial geology. I have a number of interesting collections of "peat" from glacial and inter glacial deposits. At least one collection is Pre-Wisconsin in the classical usage. Several of the locations are dated by him as either early or late Cary. His local comes are Olean, Binghamton or Valley Head and Lake Formation. There are all pre-Valders. Two of the locations have radio carbon dates, one 12,000 and the other dead. I collected considerable wood, spruce and ~~pine~~ white pine, cones, and beech seeds. One deposit has a large quantity of seeds that appear to be water lily. I need to check it to be sure.

Best wishes.

Clair
Brown

LOUISIANA STATE UNIVERSITY
BATON ROUGE, LOUISIANA

COLLEGE OF ARTS AND SCIENCES
BOTANY, BACTERIOLOGY AND
PLANT PATHOLOGY

AGRICULTURAL EXPERIMENT STATION
PLANT PATHOLOGY

October 21, 1958

Dr. Alfred Traverse,
Shell Development Co.,
Exploration and Production Research Division,
3737 Bellaire Boulevard
Houston 25, Texas.

Dear Al:

I do not recall specifically Putman, J.A. 1932 "Trees of the Bottomlands of the Mississippi Delta Region", but I suspect I have it. Somehow or other I am under the impression that it was Putman and Bull. I seem to recall a mimeographed publication between 100 and 150 pages. I cite Putman and Bull in my Tree and Shrub publication.

I suggest that you write to the Southern Forest Experiment Station in New Orleans to see if they have any copies of it. If it is out of print, write to the Librarian at A & M to see if they have a duplicate copy they could release. I know at one time we had several copies in our Forestry Library as it was used in one of the courses. Then the Forestry collection was added to Agr-Biology and many things were weeded out. Now our Agr-Biology branch has been returned to the main library. We have a wonderful new building.

Sincerely,

Clair

Clair A. Brown

July 23, 1970

Dear Al:

I hope this note will do three things.

- (1.) I am sending a check for the **ASP**. Please arrange to cancel my membership when this runs out. I took voluntary retirement on July 1. I could have gone on for three years more.
- (2) I am sending a check for Vol. 32. Cat. Fossil Pollen & Spores.
- (3) My copy, Option D. has many blank pages. However, the page numbers run consecutive on the printed pages. The blank pages do not have number. Do not cancel my subscription to the Catalogue. I may sell my set in a year or two.

Best wishes,

Clair

Clair A. Brown
1180 Stanford Ave.
Baton Rouge. La. 70808

July 27, 1970

Dr. Clair A. Brown
1180 Stanford Avenue
Baton Rouge, Louisiana 70808

Dear Clair:

Your check for the AASP for the current year's dues was most welcome, but I was sorry to hear that you plan to cancel your membership at the end of the year. We must do something in the future regarding our "retired" members. I am completing my final year as secretary-treasurer, so it is entirely likely that the new secretary-treasurer will bill you again next year, and you will have to explain the situation once more.

Thank you for your check for the Catalog, it has been entered in the usual way. Your subscription remains in effect.

The "blank pages" you mention for Volume 32 sound as if they are the normal ones on the backs of printed pages. As long as your pagination runs consecutively, you are all right. Best wishes as ever.

Yours very truly,

Alfred Traverse
Secretary-Treasurer
Professor of Geology & Biology

AT:kc

LOUISIANA STATE UNIVERSITY
BATON ROUGE, LOUISIANA

COLLEGE OF ARTS AND SCIENCES
BOTANY, BACTERIOLOGY AND
PLANT PATHOLOGY

AGRICULTURAL EXPERIMENT STATION
PLANT PATHOLOGY

Dec.9, 1970

Dr. Alfred Traverse,
Geoscience,
Pennsylvania State University,
State College, Penna.

Dear Al:

We are contemplanting the possibilities of attending the Third International Pollen Conference in Novosibirsk next summer. All the information I have is an invitation date Oct 24 which was mailed Nov. 11. Do you have any information relative to group flights, or costs from Moscow to Novosibirsk, pre and post field trips and the stay there. My wife will go with me.

Sincerely,

Clair A. Brown

Clair A. Brown
1180 Stanford Ave.
Baton Rouge, La. 70808

Esbeck
January 26, 1971
Fidelity Union Skin

Professor Clair A. Brown
1180 Stanford Avenue
Baton Rouge, Louisiana 70808

Dear Clair:

I'm sorry that it has taken me so long to answer yours of 9 December regarding the Third International Polden Conference in Novosibirsk next summer. I was hoping that by deferring in my answer I would in the meantime receive information from the authorities in the Soviet Union. I had written to them, over my signature as President of the American Association of Stratigraphic Palynologists, thinking that that might do the trick, but I have heard nothing--nothing at all! The only data I do have, I have received as a person who answered the original questionnaire, and that information has been very scanty. The only thing I can really suggest that would be much good is to write to Professor Neustadt, whose address is probably well known to you. In any case, I enclose with this letter a copy of the most recent communication I had from him about the conference, and it gives, as indicated, an address to use. There is nothing, as far as I know, now being done about group flights or anything of that sort. As you can see from the brochure, the field trips are apparently not completely planned as yet.

Hoping that this has been helpful or at least informative,
I am with best wishes

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi
Enclosure: copy of brochure

Feb. 6, 1971

Dear Al:

I appreciate the information in your letter relative to the Third International Pollen Conference.

I have had a change of plans. I have been working of a book of Louisiana Wild Flowers and the Chancellor turned certain publicity over to the Horticulture Extension and I have been asked to take part in the Farm & Home week which meets this year at the same time as the pollen conference. Aside from the talk and color slides, the main function is publicity for the book. We plan to have some 400 color slides (cuts) It is guesstimated that it will cost close to \$50,000 to publish. I had word the other day that financing has been arranged.

I have to get busy and finish the text. I have some 600 to 700 slides which will make good cuts. I have expected to take a few more this spring. The new assistant editor of the press threw a monkey wrench the other day. He wants habitat photos and 85 to 90 % of my slides are portraits against black velvet. I dont know how this will be solved yet.

Many thanks and best wishes,

Clair A. Brown

Clair.

*1180 Stanford Ave
Baton Rouge, La
70808*

27 September, 1966

Dr. M. A. Butterworth
Coal Survey Lab.
National Coal Board
14 Endcliffe Ave.
Sheffield 10, England

Dear Dr. Butterworth:

As new editor of the Catalog of Fossil Spores and Pollen, I discover that two groups of plates of yours, used in the preparation of Volumes 18 and 20 of the Catalog, have yet to be returned to you. I return them to you herewith, with many thanks for your cooperation and patience.

If these plates should be deposited with Dr. Williams or elsewhere, instead of with you, perhaps you would be willing to redirect the package?

Your contributions have made a very important addition to the Catalog.

Yours very truly,

Alfred Traverse
Alfred Traverse, Editor
Catalog of Fossil Spores and Pollen

Prof. A. Travençolo - a thank you for your
accommodation in Cambridge.

with compliments

Best wishes to yourself and
Mrs. Travençolo.

Mavis A. Sargent.

5. International Palynological Conference Cambridge 1980

Dr M. A. Butterworth *Treasurer*
Department of Geological Sciences,
University of Aston,
Birmingham B4 7ET
021-359 3611

Dr N. F. Hughes *Chairman* Mrs G. E. Drewry *Secretary*
Department of Geology, Sedgwick Museum,
Downing Street,
Cambridge CB2 3EQ
0223 51585

Sept. 80

23 September, 1980

Dr. Mavis A. Butterworth
Department of Geological Sciences
University of Aston
Birmingham, England B4 7ET

Dear Mavis:

What a nice surprise! We just got the check for \$300.
Thanks so much. And what great memories we have of 5IPC,
and the trip afterwards!

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

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

17 October, 1991

Nicholas J. Butterfield
Botanical Museum
Harvard University
26 Oxford St.
Cambridge, MA 02138

Dear Nick:

It was fun to meet you and have a brief opportunity to learn from you. My talk at Harvard was an informal version of a more serious lecture and paper I must prepare and deliver next month, and your comments were very helpful in dramatizing to me that I must make it more clear what I am talking about--the things called loosely "sporopollenin" and "chitin," but which for some reason are clearly more robust than those blanket designations indicate.

Your paper on the Burgess Shale and other references you gave me will be very useful in my meditation on all of this and should help me make as much sense as possible.

All the best to you. Reprint enclosed that might amuse.

Yours very truly,

Alfred Traverse

AT/et

BOTANICAL MUSEUM OF HARVARD UNIVERSITY

-T-964

26 Oxford Street
Cambridge, Massachusetts 02138

22 Oct 1991

Dear Dr. Traverse,

Thanks for the reprint.
The sample enclosed is from the
Shaler Group (Wynniatt Fm) on
Victoria Island, arctic Canada.

(ref: Young, G.M. 1981. Geological
Survey of Canada Paper 81-10: 203-218).

Please let me know if you get
anything other than simple spheroids
or filaments out of it. Thanks.

Nick Butterfield

P.S. The age is ca. 800 Ma bp.
Minimum age constrained by ~~U-Pb~~ date of 723 ± 4 Ma
on discordably overlying basalts. - baddeleyite.

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 December, 1991

Nicholas J. Butterfield
Botanical Museum
Harvard University
26 Oxford St.
Cambridge, MA 02138

Dear Nick:

We've processed the Precambrian sample you so kindly sent me. We used my most delicate, no-centrifuging techniques and got a very interesting residue. There are grayish sphaeromorphs more-or-less like Trachysphaeridium, including some multiples joined together. There is also an assortment of different kinds of filaments, branched and unbranched, narrow to quite broad. All are the same gray color as the sphaeromorphs, and none looks like a contaminant to me. Worth pursuing? Trouble is, I leave almost immediately for sabbatical in Germany. Will be back in mid-July, '92.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

June 2, 1972

Mr. A.C. Butler
Librarian
Fourah Bay College
University of Sierra Leone
Freetown, Sierra Leone

Dear Mr. Butler:

Thank you for yours of 16 May. Per your letter, I am enclosing a check for Le 25 for the postage for the return of the Catalog volumes which you do not want. While I realize that it may be some inconvenience to you, we would greatly appreciate it if you would be sure that the volumes are securely packaged because we frequently experience considerable damage when a shipment comes from so far.

Sorry that we inconvenienced you.

Yours very truly,

Alfred Traverse
Editor

AT/vsi
Enclosure: check for Le 25

FOURAH BAY COLLEGE *File*

UNIVERSITY OF SIERRA LEONE

LIBRARY



TELEGRAPHIC ADDRESS
"FOURAHBAY"

~~XXXXXXXXXXXXXXXXXXXX~~
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FREETOWN
SIERRA LEONE

16th May, 1972.

OUR REFERENCE

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

Dear Sir,

Thank you for your letter of 1st March 1972
reference AT/vsi. The return postage of the Catalog
will be Le25 (twenty five Leones) i.e. £12.50. On receipt
of your cheque for this amount I will return the Catalog

In answer to your second question we do not wish
to retain the most recent volume.

Yours faithfully,

A.C. Butler

A. C. Butler.
Librarian.

Vertical text from reverse side of paper, including "LIBRARY" and "UNIVERSITY OF SIERRA LEONE".



WASHINGTON STATE UNIVERSITY

PULLMAN, WASHINGTON 99163

DEPARTMENT OF BOTANY

October 2, 1969

Dr. Alfred Traverse
Editor, Catalog of Fossil Spores and Pollen
Deike Building
The Pennsylvania State University
University Park, Pennsylvania 16802

Dear Dr. Traverse:

I am a graduate student working under the direction of Dr. Arthur Cridland. We met during the meetings of the XI International Botanical Congress in Seattle, Washington. At that time I discussed with you my thesis problem on Glyptostrobus. Therefore, I was wondering if you would be kind enough to provide me with photographs of pollen of Glyptostrobus vermontensis sp. nov. and Glyptostrobus pensilis koch. found in Figures 9 and 10 in "Pollen Analysis of the Brandon Lignite of Vermont!" Would it also be possible to obtain a reprint of this article.

Thank you.

Respectfully,

James R. Butala

James R. Butala
Department of Botany
Washington State University
Pullman, Washington 99163

JRB/mks

December 17, 1969

Mr. James R. Butala
Department of Botany
Washington State University
Pullman, Washington 99163

Dear Mr. Butala:

It isn't that I didn't get your letter of 2 October, 1969, but that I seem to fight a losing battle of the job of keeping current with my correspondence! I enclose with this letter prints of the two pictures which you wanted, appropriately labeled. I no longer am quite as confident of the identification of the item from the Brandon lignite as Glyptostrobus. I wonder if it could not be something else in the Taxodiaceae. However, I did what I considered to be the best thing possible at the time of publication.

Regarding the Brandon lignite monograph itself, unfortunately, it is now completely out of print, but I managed to squirrel away a few copies over the years. A copy is being sent you under separate cover. I have had some correspondence with the Bureau of Mines about the possibility of my writing a revision of the paper, and perhaps when I retire(!) I will really get around to it.

Please give my regards to Prof. Cridland and be assured that we here at the Palynological Lab. wish you all at the Washington State University the very best for a happy holiday season and a prosperous 1970. Speaking personally, I carry with me a very favorable impression with the whole state of Washington based on our trip there last summer.

Yours very truly,

Alfred Traverse
Associate Professor of Geology & Biology

AT:kc

Enclosures: pictures

Bradford Yorkshire BD7 1DP
Telephone 33466
Telex 51309 University Brad

Postgraduate School of Studies in Physics
Chairman G Brown BSc PhD

Please quote ref

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

18 July, 1975.

Dear Dr. Traverse,

I have been referred to you by Dr. B. Owens of the Institute of Geological Sciences, Leeds, who informs me that you may be able to give me some assistance.

I am a postgraduate student at University of Bradford and am undertaking work which will lead to an M.A. in Scientific Archaeology.

The subject of my research is the study by Neutron Activation Analysis, of jets, shales and similar material from archaeological sites in South Yorkshire. Naturally, I am anxious to obtain some genuine Whitby Jet to use for comparative purposes. This appears to be very difficult to come by in England, and Dr. Owens suggested I contacted you, since your interest in this material brought you to England several years ago. I would be most grateful if you could send me a small piece of jet (I only require about 200 mgs. for my analysis) and any information of a geological nature that you have on this material.

I look forward to hearing from you at your earliest convenience.

Yours sincerely,

Gillian Bussell

Gillian Bussell.

ALFRED TRAVERSE
529 Deike Building
Pennsylvania State University
University Park, Pa. 16802

11 Aug., 1975

Ms. Gillian Bussell
Postgraduate School of Studies in Physics
Bradford, Yorks.
United Kingdom BD7 1DP

Dear Ms. Bussell:

Thanks for yours of 18 July, which came while I was away.

I am sorry to be so unhelpful. Dr. Owens is quite correct about my interest in jet--I published one short paper on some American jet and have poked about a bit in the subject since then--that was the occasion of my visit to Whitby with Dr. Owens in 1966.

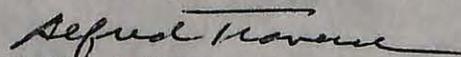
I have only a few scraps of jet from Whitby whose exact origin is provable. I am reluctant to give them up--I certainly don't have more than 5 grams now.

However, I have a suggestion that might be helpful. Dr. Marjorie Muir, at the Royal School of Mines, London, has collected in the Whitby area and might be helpful--she sent me some jetty material from there a while back (it wasn't really "true jet"--not glossy enough), and she has an interest in the subject. My best piece of jet from Whitby did not come from my own collecting but from the Geological Museum, Exhibition Road, London. It was collected around the turn of the century, when stuff used to turn up in Whitby in quantity. (I believe the reason it doesn't any more has to do with relative subsidence.)

I do have Utah jet in large enough quantity to send a piece, should you be interested, but there is some question about whether it is truly identical to the Whitby stuff. The original jet was found in Turkey, and I have a very tiny scrap of that too...not enough to share at this time. My efforts to get more from Turkish contacts have always failed.

I enclose a copy of my paper. Sorry to be so useless.

Yours very truly,


Alfred Traverse

Professor of Palynology

P. S. Hope I inadvertently didn't commit a sexual slur above.
The only other Gillian I ever knew was a female, so I am hoping
for the best.



MILLIPORE FILTER CORPORATION

WATERTOWN 72, MASSACHUSETTS, U.S.A. TEL: WATERTOWN 4-8130

June 9, 1958

Dr. Alfred Traverse
Shell Development Company
Exploration & Production Research Division
3737 Bellaire Boulevard
Houston 25, Texas

Dear Dr. Traverse:

Thank you for your kind letter of 23 May indicating interest in the application of the MF[®] to the sampling of pollen from the air, and, accordingly, I have enclosed a copy of our most current listing of references in the literature and would call your attention to the brief abstract of articles #190. Also enclosed, you will find a copy of our Recommended Procedure for Aerosol Analysis. Appropriate apparatus for aerosol sampling is shown on pages 11 and 12 of our 1958 Supplement. I trust this information will be helpful to you. Please call on us if we may be of further assistance.

Very truly yours,

MILLIPORE FILTER CORPORATION

John H. Bush
President

JHB/jml
enclosures



A new standard of precision
in microfiltration and analysis

October 6, 1971

Dr. Bob Burton
Geology Department
West Texas State University
Canyon, Texas 79016

Dear Dr. Burton:

I just had a letter from a colleague of mine, Sid Ash, at Weber State College in Utah, in which he says that you and another member of the staff at West Texas, Jack Hughes, are interested in the geology of the Dockum group. I have a student who is doing a study of the palynology of parts of the Dockum in northwest Texas, and we expect to be in the field getting some more materials for our work sometime around the 20th of October. I don't suppose there is time for an exchange of correspondence at this point, but I will phone you from somewhere down there to find out whether you would be willing to chat with the student (Bob Dunay) and me while we are in your vicinity.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/kai



WEST TEXAS STATE UNIVERSITY
CANYON, TEXAS 79015

DEPARTMENT OF GEOLOGY
AND ANTHROPOLOGY

October 12, 1971

Alfred Traverse
Professor of Geology & Biology
Deike Building
The Pennsylvania State University
University Park, Pennsylvania 16802

Professor Traverse:

Dr. Hughes and I are indeed interested in the Dockum group and we would be delighted to visit with you and Mr. Dunay while you are here. However, be aware that our interest in far exceeds our knowledge of the Dockum. Still it would be well for us to meet as we may be able to serve you in several ways both while you are here and after you return to Pennsylvania.

Dr. J.T. Hughes - 1903 3rd. Ave., Canyon, Texas 79015
806-655-3569 Home
806-656-4296 Office

Dr. R.C. Burton - 711 Taylor Lane, Canyon, Texas 79015
806-655-3327 Home
806-656-3087 Office

Looking forward to your visit.

Sincerely,

Robert C. Burton
Head of the Department
RCB/st

November 17, 1971

Prof. Robert Burton
Department of Geology
West Texas University
Canyon, Texas 79016

Dear Bob:

This is to express most sincere thanks for your kind help to us while we were looking around for suitable Triassic lithologies in your area of Texas. It will be some time before we have processed the materials which we collected, but I certainly will keep your interest in the subject in mind in terms of letting you know what we find out. Quite apart from work in the Dockum, it was good fun being with you in the field and to have a first hand look at your geological setup at Canyon. I certainly was impressed with the staff which you have assembled there, and, after all, it is really the staff that counts. I never have agreed with the famous dictum that a "true university is a collection of books"-- a true university is a group of men (whoops,...people).

Thanks again for your help. Let me know if there is anything I can do that would be helpful to you up this way.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

November 17, 1971

Prof. Robert Burton
Department of Geology
West Texas University
Canyon, Texas 79016

Dear Bob:

I am writing this as a separate letter because I wanted to have a carbon of it for a reminder. During part of our work in your area we collected samples in Tule Canyon, east of the town of Tulia. The rancher on whose property we collected told us that the Corps of Engineers is about to put a dam there and partially fill the canyon. Having seen the marvelously beautiful things there are in that canyon, it really seems tragic to me. Is the story true? If so, is there anything that could be done about it? It seems a shame that bass fishing takes priority over wild scenery, interesting and beautiful sandstone formations, flora, ferns, fossils, everything.

Looking forward to hearing from you about this, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

June 20, 1955

Through Chief, Branch of
Coal Technology

M. Eugene Burstlein
President & Director General
Societe pour la valorisation des
combustibles
Siege Social: 11 Rue Royale
Paris, 8^o, France

Dear M. Burstlein:

Mr. J. D. Price, of Colorado Fuel & Iron Corp., recently showed me two of your publications relative to petrographic preparation of coal for coking. I would like very much to have a copy of "La preparation selective et petrographique des charbons en une de leur cokefaction," from Chaleur et Industrie, 1954-55. Any other publication you may have on this subject would also be welcome. We are contemplating beginning research soon to determine if we can help in the problems of western coke producers by petrographic techniques.

I enclose copies of two recent popular papers of mine on coal microscopy. You will note that I have used one of your flow sheets in the second paper, although I obtained it 'second-hand' from Kuhlwein. I did not know your address at the time the papers were produced.

Sincerely yours,

Alfred Traverse
Head, Fuels Microscopy Lab.

AT/apa

2 encl.

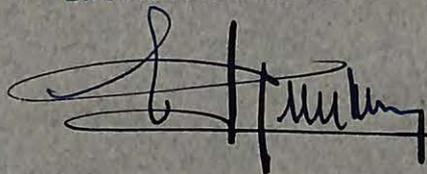
JE vous serais très reconnaissant pour toute aide que vous pourriez m'apporter.

A l'heure actuelle il y a en France six installations de préparation sélective des charbons en fonctionnement, et en Allemagne une septième installation de 250 T/H chez MANNESMANN à Gelsenkirchen/Ruhr.

Je suis à votre disposition pour tous renseignements complémentaires, et

Je vous prie de croire, cher Mr. Traverse, à l'assurance de mes sentiments les meilleurs.

SOVACO
Le Président-Directeur Général,



E. BURSTLEIN

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RÉFÉRENCES :

PARIS, le 29 Juillet 1955

D.G.-102.257 EB/CV

Mister Alfred TRAVERSE
 Head, Fuels Microscopy Lab.
 United States -
 Department of the Interior
 Bureau of Mines - Region III
 Building 20
 Denver Federal Center
D E N V E R / 2 (Colorado)
 (Etats-Unis)

Cher Mr. Traverse,

J'ai bien reçu votre lettre du 20 courant et je suis très heureux d'avoir l'occasion d'entrer en relation avec vous.

Je vous remercie bien vivement des tirés à part de vos deux études sur le "Coal Microscopy" que je lirai avec un très vif intérêt. De mon côté, je me fais un plaisir de vous envoyer sous pli séparé les études ci-après :

- La préparation pétrographique des charbons et son application à l'industrie de la distillation de la houille
- La cokéfaction des charbons lorrains
- La préparation sélective et pétrographique des charbons en vue de leur cokéfaction
- Le charbon à coke - Pénurie ou Abondance ?
- Die Anwendung der selektiven une petrographischen Aufbereitung zur Verbreiterung der Koks kohlengrundlage und zur Verbesserung der Koksbeschaffenheit, von Dipl.Ing. Abramski.

Je ne dispose malheureusement pas d'étude en langue anglaise. Croyez-vous qu'une revue technique américaine serait intéressée à publier l'une ou l'autre de mes dernières études, ou pourriez-vous envisager de publier un résumé ?

Pièces jointes :

5 sous pli séparé

.../.

GENERAL REFRACTORIES COMPANY

1520 LOCUST STREET



PHILADELPHIA, PA., 19102

April 11th, 1968.

Dr. Alfred Traverse,
Department of Geology & Geophysics,
Pennsylvania State University,
University Park, Penna. 16802.

Dear Al:

It was a pleasant surprise to learn from the recent issue of "The Geologist," that you are now located in Pennsylvania. If you get to Philadelphia, give me a call.

Sincerely,

A handwritten signature in cursive script that reads 'Jack', with a long horizontal flourish extending to the right.

J. F. Burst,
Director of Research
and Development.

JFB/tk