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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.

HERBERT H. LEHMAN COLLEGE  
OF THE CITY UNIVERSITY OF NEW YORK

BRONX, NEW YORK 10468

DEPARTMENT OF  
BIOLOGICAL SCIENCES

(212) 933-6000

October 11, 1972

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

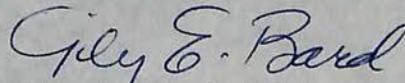
Dear Dr. Traverse:

Thank you very much for reading Cal Heusser's manuscript on Lycopodium fuegianum and for preparing a review of it.

I especially appreciate the speed with which you did this. Your suggestions for the items needing improvement are all good and will doubtless strengthen the paper.

With best wishes,

Sincerely yours,



Gily E. Bard, Editor  
Bulletin of the Torrey  
Botanical Club



FORMERLY HUNTER COLLEGE IN THE BRONX

March 22, 1984

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

Dear Al,

I should like to be of any assistance I can re your article(s) on my Dad, however, looking over what materials I have here in NYC I'm afraid I may be limited in what I can do at the moment. There are, of course, many photos of Dad, and some good ones, but unfortunately they are in Carlisle (and as slides) and also in the lab in Cambridge. In fact, there were several (semi "formal" and also in-field) prints, which would be usable for reproduction purposes, which the folks there in the lab asked to retain, for copies to be made and placed in the lab. If you're in a pinch, perhaps these would be OK, I'm sure Andy Knoll would know of their whereabouts.

As to a biography, I don't have anything comprehensive, though I have here some things which might be relevent. I've included two items towards this -- one the obituary from the Carlisle "Mosquito", which except for a couple of errors, seemed to me to be a fairly complete summary of the more "objective" or "vital statistics" aspects -- at least of the newspaper crop which I was able to assemble in February. Also a brief vita written by Dad, apparently for an alumnus report (?Oakwood H. S., I'm not sure of the origin of this), which summarizes some additional material. Now I don't know whether this has been published in some form or other, or not... Your query as to an athletic scholarship to Miami University has caught me completely -- I don't know; I know he ran track in both high school and college (hurdles, broadjump, dashes), but as to scholarship categories (there must have been one, the family suffered the Depression along with that whole generation) I don't know. Certainly his interest in science goes way back, as indicated in the vita notes. My grandfather I know next to nothing about, he died before I was born, but from what I know of my father, uncle, and grandmother, I suspect that if you knew her you would have a good insight into the shaping influences at home which affected my Dad early on... (I can remember visits to New Haven in the 1960's, when she was very old

ELSO S. BARGHOORN

-2-

and only painfully mobile, but mentally alert and indefatigable as ever, when all three of them would suddenly shift the conversation into German, I felt very "3rd generation" and envious.)

Well, this probably isn't much help, but I hope it's some. I will of course be up in Cambridge on and about the 25th April for the memorial service, at which time the matter of photos could be taken care of, if still outstanding. And if you do get to New York, would be very glad to get together, though do let me know (home address or AMNH) a little in advance as, with my commitments this term, I'm not routinely making it into the Museum every day (teaching downtown Mon & Wed afternoons, etc).

Yours sincerely,



Steven Barghoorn

During the war I was employed by the Office of Scientific Research and Development and assigned to the Military Planning Division of the Office of the Quartermaster General. This involved field studies in Panama on the deterioration of military equipment in humid tropical environments. Since laboratory facilities were available there at what is now the Smithsonian Biological Station the program could be carried out very effectively and I stayed with it for nearly five months after the war in the Pacific area. After this I returned to Cornell College shortly before accepting the faculty to come to Harvard where I have been affiliated since 1946. Graduating in the academic field I was appointed full professor in 1955, and in 1957 was named Fisher Professor of Natural History in the Faculty of Arts and Sciences.

ELSO S. BARGHOORN

Class of '33, Oakwood High School

Miami University, 1937. A.B. degree

Harvard University: M.A. degree 1938 (Anna Ames scholarship)

Ph.D. degree 1941

The rest of my academic and professional history is outlined on the enclosed sheet. Not shown are some personalia which I will condense here, including travel. The reason for so much travel is the field of my research interests since 1952, namely to pursue the scientific question of the origin and early evolution of life in the geologic history of the earth. Since the rocks containing these goodies of information - fossils - and their organic chemical "signatures" are scattered all over the earth, I have had a built in "excuse" to travel within the limitations of funding. For my research, I have been fortunate over the years to have grants from the National Science Foundation and N.A.S.A. as well as some university funds. At any rate, I have accumulated mileage on all the continents except Antarctica. This includes northern Greenland, tropical and southern Africa, parts of South America and five forays to Australia, north to New Guinea and the western Pacific to Japan. It adds to five trips around the world including 8 trips across the Pacific and a lot of time in Europe going to and from, as well as scientific meetings there. I've never totted up the mileage nor do I plan to! I can say that it does add up to a fascinating scientific career and some wonderful memories.

During the war I was employed by the Office of Scientific Research and Development and assigned to the Military Planning Division of the Office of the Quartermaster General. This involved field studies in Panama on the deterioration of military equipment in humid tropical environments. Since laboratory facilities were available there at what is now the Smithsonian Biological Station the program could be carried out very effectively and I stayed with it for nearly five months after the war in the Pacific ended. After this I returned to Amherst College briefly before accepting the opportunity to come to Harvard where I have been affiliated since 1946. Crawling up the academic ladder, I was appointed full Professor in 1955; and in 1973 was named Fisher Professor of Natural History in the Faculty of Arts and Sciences.

One of the more exciting and exotic scientific experiences in my recent years at Harvard was participating as a principal investigator in N.A.S.A.'s Lunar Program. It was a bit beyond my wildest dreams, when I was a boy astronomer living in Oakwood, to anticipation ever having a piece of the moon in my own laboratory!

I hesitate to close this brief sketch on a sad note, but feel I must to make it bibliographical. In September of last year my wife of nearly 20 years together died. The surviving Barghoorns are few, one son, affiliated with the American Museum of Natural History in New York, and brother Frederick, who recently retired from the faculty at Yale University. Fred, a look at the records will show, was also an Oakwood High School graduate. He now lives in New Haven, Connecticut.

ors

## congratulations

**Maria Billings** of Stearns Street participated in the Concord Area Music School Association (CAMSA) recital Sunday, January 29th at the First Parish Church in Concord. Participants were selected on the basis of superior performances in the Fall 1983 workshops. Maria played the Chopin Waltz Op. 64 No. 1. She is a piano student of Ronald Kmiec of Carlisle and is a sixth grader at Wilkins Junior High School.

**Laurel Stadlander** of Pine Brook Road, Carlisle, a management major at Suffolk University in Boston, has been named to the dean's list for the first semester of the 1983/84 year.

**Polly Sutherland** of Westford Road, Carlisle, has been named to the dean's list at Framingham State College for the 1983 Fall semester. Polly is a senior majoring in Food and Nutrition.

**Matthew E. Lourie** of East Street has made the Dean's List at Rensselaer Polytechnic Institute. He is a senior majoring in computer and systems engineering.

There is a whole crop of Carlisle students on the Dean's List at U-Mass in Amherst, namely **Elizabeth Russell Cogswell** of Lowell Road (nursing); **Theresa D. Doydaitis** of Peter Hans Road (music); and **Christopher D. Lang** of East Street.

The name of **Deborah A. Donovan** of Concord Road appeared on this January's roll, but she already graduated Cum Laude last May after six semesters on the Dean's List. Belated congratulations!

## Obituary

## Elso Sterrenberg Barghoorn, Jr

Dr. Elso Sterrenberg Barghoorn, Jr. of 302 Cross Street and a long-time Carlisle resident, died at home on January 22 of heart disease.

Dr. Barghoorn, a well-known paleobotanist, was born in New York in 1915, son of Elso S. Barghoorn, Sr. and Anna Elizabeth (Brust) Barghoorn. In 1937 he graduated from Miami University in Ohio and received his M.A. and Ph.D. degrees from Harvard in 1938 and 1941. He taught at Amherst College from 1941 to 1946. He returned to Harvard to become associate professor in 1949 and professor in 1955. He was Fischer Professor of Natural History. Since 1947 he was also the curator of the University's paleobotanical collection.

Dr. Barghoorn adapted modern techniques of experimental science to the study of fossil plants. His studies shed light on the origins and antiquity of plant life on earth. He also used records of prehistoric plant life to deduce climatic changes in North America, especially New England.

In 1953, he and two colleagues found the oldest coal deposit near Iron River, Michigan. The pre-Cambrian coals carried a fossil record of plants over two billion years old. With Professor Stanley Tyler of the University of Wisconsin, he discovered fossils of primitive plants in rocks from the north shore of Lake Superior in Canada. In 1965, his studies were published describing the diverse organisms preserved in the two-billion-year old Canadian sediment.

From 1965 to 1967 jointly with Dr. J. William Schopf, he collected and analyzed sediments from South Africa. Using optical and electron microscopy and analysis of organic compounds, he found the oldest evidence of life, micro organisms in excess of 3.4 billion years old. In 1968

he was awarded the Ferdinand Vanderrear Hayden Medal of the Philadelphia Academy of Sciences.

From 1969 to 1971, he served as principal investigator in the NASA lunar research program on materials ("moon rocks") retrieved by the Apollo program and for the past six years has been active on committees of the space science board of the National Academy of Science on Planetary Biology and the Viking exploration of Mars. In 1972 he received the Charles Doolittle Wolcott Medal of the National Academy of Sciences.

In 1982, Dr. Barghoorn, already retired, and graduate student Cecilia Lenk and research fellow Paul Strother identified Pre-Cambrian microstructures in rock samples taken from the 100-foot deep tunnels for the MBTA extension in Cambridge and Somerville. Quoted in the May 28 issue of the *Carlisle Gazette*, Barghoorn termed the findings of the rare 600-million-year old microfossils "a major breakthrough because there has been no previous date on the sedimentary rocks in the Boston Basin."

He was a member of the National Academy of Sciences, a Fellow of the Linnean Society of London, the American Academy of Arts and Sciences, the Geological Society of America and other scientific societies.

Dr. Barghoorn is survived by his brother, Frederick Barghoorn, a professor at Yale University and a son by his first marriage, Steven F. Barghoorn of New York City. His other son, Jonathan E. Barghoorn, died in 1964. His second wife was the late Dorothy (Osgood) Barghoorn.

Funeral Services were on February 1 at the Joseph Dee and Son Funeral Home in Concord. A memorial service at Harvard is being planned.

16 March, 1984

Mr. Steven Barghoorn:  
40 W. 73rd St.  
New York, NY 10023

Dear Steven:

I've been asked by a couple of the journals to do a short obit about Elso. I guess I should do so. Raises two points with which I hope you can help:

1. Do you have a photo of ESB I could borrow (as soon as I get a copy made, I'll return it immediately).

2. Do you have any short summary of his life of which I could have a copy?

Failing #2, could you fill me in on a couple of things? Where did he go to high school? I recall him regaling me of his prowess as a sprinter--didn't he have what we now call an athletic scholarship from Miami? Do you know anything of the home influences that may have shaped him? I remember your remarkable grandmother very well--I used to trade Saintpaulias with her, etc. But I know nothing at all of Elso S.B., Sr. Could you fill in?

I need all of the above as soon as possible. In the longer run future I'd like to meet you. I was planning to visit NY to take in the special exhibit on origin of man at AMNH. Perhaps then?

All the best.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

February 19, 1984

Dear Al,

Thank-you for your letter of sympathy on my dad's death. From my college years and later I admired him greatly for the support + commitment he gave his students, beyond their technical training - it's quite a standard to look and live up to. Your comments are very appreciated.

As you will no doubt have heard from Andy Knoll, there is a memorial fund to be set up in my father's memory - most probably to help fund paleo + geological field work, at Harvard. I think details will be sent out with the announcement for the memorial service to be held in April.

My vernal vantage point of the world these days is indeed a bit higher than when you knew me in Vermont, although from reminiscences I have occasionally been subjected to, I gather my rate of exploratory travel has dropped off. I had a term position (grant supported) at the AMNH, <sup>rehabilitate</sup>

paleontology department, but that terminated in January, so the future in that regard is open, but I shall probably be in New York for a while, where my address is 40 W 73<sup>rd</sup> St, N.Y. N.Y. 10023, hopefully finishing up some research projects

Yours sincerely

Steele Borgher

31 January, 1984

Mr. Stephen Barghoorn  
RFD Cross St.  
Carlisle, MA 01741

Dear Stephen:

You haven't laid eyes on me since you were, as I recall, two years old. However, I was one of your Dad's first two grad students, and I hope you will forgive my presumption in writing. I just wanted to tell you how much I have profited from your father's counsel and help and advice over the years.

I was very saddened to note at the Harvard Forest meeting in November, '83, how ill he was, and thus I was not surprised to hear of his death. For all that,, as my wife says (she also knew him well--she was a technician for Professor Wetmore)--it is the end of an era for all of us who knew and worked with Elso. I hate to think that I'll never be able to chat with him again.

Would you let me know if there is a fund for memorial gifts, or whether they are directed to some charity?

I do hope I will have the privilege of knowing you one of these days. At the abovementioned Harvard Forest sessions Elso talked to me about you at length. Are you officed at AMNH? I'd like your address for possible future needs.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

DEPARTMENT OF GEOLOGY  
KENT STATE UNIVERSITY

KENT, OHIO 44242

(716) 873-2668

March 8, 1982

Professor Alfred Traverse  
Dept. of Geosciences  
Pennsylvania State University  
University Park, Pennsylvania 16802  
Mr. Gary W. Barker  
Department of Geology  
Kent State University  
Kent, OH 44242

18 March, 1982

Dear Mr. Barker:  
I am a student in geology at Kent State University and am working with Prof. Alan Graham in palynology. My M.S. (Botany) was also in geology. Your letter of 8-III-82 was interesting. I gather that you are most botanically oriented, but are now working in the geology department at Kent. Does that mean that my old friend, Alan Graham, has a joint appointment with geology?  
I am doing a detailed pollen and spore study (i.e. describing pollen and spore distributions, and local facies). I have discussed your letter with Professor E. C. Williams, our local expert on the Pennsylvanian. We agree that the answers to your three major questions are no-yes-no. But much more importantly, Professor Williams is strongly of the opinion that nobody knows whether the Brookville coal is in fact different from the Clarion, or whether it has any equivalent in Ohio. He questions whether it is meaningful to begin your investigation of Ohio coals with an assumption of possible equivalence--only a very few Pennsylvania coals are known to have Ohio equivalents, and the Brookville is not one of them. That does not mean, of course, that something interesting couldn't be done with the Ohio coal horizons in question.

All the best to you in your work, to Russ Brant, Alan Graham (old friends), and to Drs. Feldmann and Coogan (whom I have met in connection with the Journal of Paleontology).

Your comments would be sincerely appreciated. I hope to hear from you soon.

Yours very truly,

Alfred Traverse  
Professor of Palynology

Sincerely,  
*Gary W. Barker*  
Gary W. Barker

AT/et

DEPARTMENT OF GEOLOGY  
KENT STATE UNIVERSITY

KENT, OHIO 44242

(216) 672-2680

March 8, 1982

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

Professor Traverse,

I am a doctoral student in geology at Kent State University and am working with Prof. Alan Graham in palynology. My M.S. (Botany) was also in palynology and was a systematic study of a family of mostly tropical plants.

Presently, I am working on the Brookville coal in eastern Ohio. I am doing a detailed pollen and spore study (i.e. describing pollen and spore assemblages, determining vertical and geographic distributions, and relating the pollen and spore assemblages to overlying faunal facies). Russell Brant of the Kentucky Geological Survey has agreed to send me samples of the Brookville or its equivalent from Kentucky for comparison.

Can you answer some questions for me?

- Are you aware of anyone else presently doing similar studies in the Brookville?
- Is Frederiksen's M.S. thesis (1961) the most current Penn State thesis dealing with the Brookville?
- Has the type locality of the Brookville coal been recently revised?

Your comments would be sincerely appreciated. I hope to hear from you soon.

Sincerely,

*Gary W. Barker*  
Gary W. Barker



December 22, 1969

January 8, 1970

Dr. Alfred T. Barkley  
Division of Biology  
Kansas State University  
Manhattan, Kansas 66502

Dear Dr. Barkley:

Regarding the question which you raised in your letter of 22 December--none of us in the palynological laboratories here is acquainted with either Dr. Sercelj or his work. As far as I can recall, he has not attended any of the international meetings where I might have met him, nor has he sent me reprints of any of his work. One of my associates, H. Tate Ames, who is also a professional palynologist, has prepared a bibliography for me of the papers by Sercelj, but none of them was published in the international journals which we have available, and I am unable even to assess the quality of his work. I am sorry to be such a flop, but we have done the best we could!

Yours very truly,

Sincerely yours,

*T. M. Barkley*  
T. M. Barkley  
Associate Director

Alfred Traverse  
Associate Professor of Geology  
and Biology

AT:kc

TMB:bs



December 22, 1969

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

Dear Dr. Traverse:

We have been offered the opportunity to bring Dr. Alojz Sercelj to Kansas State University for one year as a visiting professor. Dr. Sercelj is a member of the Slovenian Academy of Science and a professor at the University of Ljubljana. He has published primarily in palynology and paleoecology, and I understand he is a respectable scientist. We hear that his English is adequate to teach here, and we would ask him to offer a course in paleoecology. His appointment here would be split between the Division of Biology and the Department of Geology.

If you are familiar with Dr. Sercelj or his work, could you please give me your opinion on the feasibility of us appointing him a Visiting Professor. Any assistance which you could give would be greatly appreciated.

Sincerely yours,

*T. M. Barkley*

T. M. Barkley  
Associate Director

TMB:bs

Alfred Traverse — Paul faxed me your comments. Helpful! Thanks.

I added to my text your point about persimmon storage by Indians as a pers. comm. Do you have a citation for that?

I also added your story about lack of pawpaw along the pawpaw river. remember — I was at or near the mouth!  
(I grew up in a NW suburb of Detroit).

I've explained earlier in the text about ginkgo & torrey ~~is~~ diaspores not being true fruit.

Enclosed are superseded drafts of the persimmon/pawpaw chapter (chos) & the first chapter, where you'll see a lot of ~~the~~ Paul & that also deals with the super-adaptationist issues you raised.

Helpful comments welcome on these chapters, too! I just sent to my publisher the final version that incorporated my editor's edits, & I've still got 2 peer reviewers out, so will be making final changes when I get copy-edited manuscript in August.

Connie Barlow  
cbtanager@aol.com

February 28, '83

21 March, 1983

Dear Dr. Traverse:

Mr. Phillip E. Barnard, Jr., Department of Geological Sciences at Virginia  
Polytechnic Institute and State University, and should graduate in Spring, '83.  
Rec'd V.P.I. - S.U. basis of an independent study with Dr. Dewey McLean, I  
have Blacksburg, VA 24061 in dinoflagellates. Because Dr. McLean speaks highly  
of you, and your palynology program, I would like to inquire as to the possibility  
of working toward the M.S. degree (on dinoflagellates) under your direction.  
My Dear Mr. Barnard: My present average, including field camp, should be about 2.9  
on graduation. Hoping to hear from you, I am.

Thanks for your letter of 28 February. If you wish to apply for  
admission as a graduate student here, you should write to:

Ms. Linda Gruhn, Secretary  
Geosciences Graduate Programs  
540 Deike Building  
University Park, PA 16802

Phillip E. Barnard Jr.  
361 Lee Hall, VPI&SU  
Blacksburg, Va. 24061

requesting forms, etc. However, I should tell you that your GPA  
is too low for you to have a very good chance, unless the GRE  
scores or your supporting letters were so outstanding as to counter-  
act the GPA. It is also a fact that I have at present seven graduate  
students and a post-doc, so there "isn't much room in the inn"!

Best to Dr. McLean, and thanks for writing.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et  
cc: Graduate Admissions

February 28, '83

Dear Dr. Traverse:

I am a senior in the Department of Geological Sciences at Virginia Polytechnic Institute and State University, and should graduate in Spring, '83. Recently, on the basis of an independent study with Dr. Dewey McLean, I have acquired interest in dinoflagellates. Because Dr. McLean speaks highly of you, and your palynology program, I would like to inquire as to the possibility of working toward the M.S. degree (on dinoflagellates) under your direction. My overall grade point average, including field camp, should be about 2.9 on graduation. Hoping to hear from you, I am.

Sincerely,

Phillip E. Barnard Jr.  
361 Lee Hall, VPI&SU  
Blacksburg, Va. 24061

THE UNIVERSITY OF TEXAS

BUREAU OF ECONOMIC GEOLOGY  
THE UTILITY CAMPUS  
1878 AND 2ND ST. S.W. STATION  
UNIVERSITY BRANCH  
AUSTIN TEXAS

January 13, 1967

October 4, 1965

A. Traverse

C.R. Barnes

*File*

MEMORANDUM

Dear Mr. Barnes:

I herewith request that a check in the sum of \$200.00 be issued to Mr. Thomas E. Sterling for his professional services in connection with the filing of a trademark application for the symbol Reinschospora, used by the Catalog of Fossil Spores and Pollen. The services include preparation of the application and notarization, preparation and submission of the official drawing connected with the application, power of attorney and the patent office filing fee. I am sorry that it was so poor as a source of pollen. With a careful examination of the clay, it might be possible to find any answering the qualifications which you mention. However, in view of the type of deposit I think it unlikely that suitable material is present.

The charges should be entered against Budget 424-14 Catalog, fund no. 2355.

Yours very truly,

V. E. B.

VEB:eh

Alfred Traverse  
Editor  
Catalog of Fossil Spores and Pollen

AT:jpd

Approved:

---

M.E. Bell, Director  
Earth and Mineral Sciences  
Experiment Station

THE UNIVERSITY OF TEXAS

BUREAU OF ECONOMIC GEOLOGY  
THE LITTLE CAMPUS  
18TH AND RED RIVER STREETS  
UNIVERSITY STATION, BOX X  
AUSTIN 78712

October 4, 1965

MEMORANDUM

TO: Dr. Al Traverse

FROM: Virgil E. Barnes

SUBJECT: Regarding sample <sup>of</sup> sediment from Besednice clay pit, Czechoslovakia.

Thanks very much for examining this sample. I am sorry that it was so poor as a source of pollen. With a careful examination of the clay pit it might be possible to find clay answering the qualifications which you mention. However, in view of the type of deposit I think it unlikely that suitable material is present.

V. E. B.

VEB:eh

THE UNIVERSITY OF TEXAS

DEPARTMENT OF GEOSCIENCES

PALYNOLOGICAL LABORATORIES

435 Oxley Building

University Park, PA 16802

phone: 814-863-3479; fax: 814-865-3191

BUREAU OF ECONOMIC GEOLOGY  
THE LITTLE CAMPUS  
18TH AND RED RIVER STREETS  
UNIVERSITY STATION, BOX X  
AUSTIN 78712

13 April, 1990

Mr. Richard Barnett  
L & B Coal Co.  
Wood, PA 16694

Memorandum

Dear Mr. Barnett:

A. Traverse to Dr. Virgil Barnes

This is re: Sample of sediment from Bassednice clay pit, Czechoslovakia, a colleague of mine, and me to study the fossil plants at the L & B Coal Co. mine in Wood on Sunday, 8 April. We had a great two hours there and much appreciate the opportunity. Some of the fossils are very interesting scientifically, and I hope you'll let me have them. Unfortunately, my study of this sample is rather inconclusive. In the first place, the sample turned out to be rather poorly sorted, containing even a few pieces of quartz (or possibly anhydrite) in the pebble range. These were screened out, but the point is that sandy samples are a very poor bet for pollen. Pollen itself is sedimented as if it were silt.

Observations that might be of interest were:

1. Heated sample in 20% HCl. Solution yellow-green, indicating probably presence of fair amounts of iron.

2. Some large granules or pebbles of quartz removed by screening. Considerable sand observed--milky color.

3. Sample treated twice for two days each in 52% HF with some HCl. Very refractory. Suggests that something other than quartz is probably present--anhydrite?

Alfred Traverse  
Professor of Palynology

4. Gravity separation at 2.2, bromoform alcohol, to attempt concentration of the organic matter. Improved sample, but there was still much crystalline matter, very finely divided, in the residue.

5. Slides made contained a very poor flora, and the things observed do not permit much to be said age-wise. Furthermore, with such a small flora, there is always a possibility that a large percentage of the pollen observed is recent contaminant. Indeed, this slide contained some pollen that could be identified as such (because the grains still had their cell contents). Of the things that could be pretty confidently assumed to be from the sample--proper and not due to its porosity and subsequent contamination, several kinds of fern spores, pine pollen, and some other kinds of pollen--of the angiosperm group--were identified. Unfortunately, this is not enough to say more than Cenozoic. Could be interglacial. Could be Miocene. Is there a chance of more fine-grain clay from the same locality?

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

13 April, 1990

Mr. Richard Barnett  
L & B Coal Co.  
Wood, PA 16694

Dear Mr. Barnett:

This is to thank you for your courtesy in allowing my students, a colleague of mine, and me to study the fossil plants at the L & B Coal Co. mine in Wood on Sunday, 8 April. We had a great two hours there and much appreciate the opportunity. Some of the fossils are very interesting scientifically, and I hope you'll let me come again some Sunday this summer. I would probably have Mr. Tim White, of Nittany Geoscience, State College, with me. He is the person who arranged this visit for me.

Best wishes, and thanks again.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et  
cc: Tim White

December 27, 1967

Dr. Thomas Baron, Vice President  
Shell Development Company  
P.O. Box 481  
Houston, Texas 77001

Dear Dr. Baron:

This is in connection with your letter to me of 4 April, 1966, regarding the release of EPR Memorandum Report 85 for publication.

This report has now appeared in print in a somewhat revised form as "Pollen and Associated Microfossils in the Marine Surface Sediments of the Great Bahama Bank," Review of Palaeobotany and Palynology 3 (1967) 243-254.

As you requested in the letter, I am sending you under separate cover 100 reprints of this paper. I shall send the bill for the reprints as soon as I receive same.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kwc

Inter-office Correspondence  
Earth System Science Center

Date: June 20, 1990  
To: Geosciences Faculty  
From: Eric J. Barron, Chairman, Search Committee for  
Geosciences Department Head

The Search Committee for the Head, Department of Geosciences will be determining the list of finalists by Wednesday, June 27. We would greatly appreciate any comments on the candidates (please include the basis-- e.g. seminar, interview, vitae, etc.) for use in our deliberations. Thank you for your time and efforts in this important process.

25 June, 1990

/ded

Dear Eric:

Al is still in Michigan emptying (!!!!--almost impossible task) his Mother's house and won't be back until probably Thursday, 28 June. I called him in response to this memo and he said that his first choice among the outside candidates for Head is Mike Arthur, for several reasons: 1) of all the candidates, he is the one most sympathetic to palynology and paleobotany; 2) his wife, Janice Jenkins, a former student here, is a palynologist.

As far as the internal candidates are concerned, Al likes all of them, but would especially favor Buzz Graham, because of his organizational and communication skills and friendly attitude toward the various disciplines represented in the department, including palynology.

Betty T.

Inter-office Correspondence  
Earth System Science Center

**Date:** June 21, 1990  
**To:** Geosciences Faculty  
**From:** Eric J. Barron, Chairman, Search Committee for  
Geosciences Department Head *EJB*

In a recent memo, the Search Committee requested your comments on candidates for the position of Head of our department. This memo failed to make note of internal candidates for the position. Essentially, all nominated faculty members were asked about their willingness to serve. If agreeable, the Committee reviewed their files and is conducting interviews very much like all external candidates. The Committee felt that seminars or general interviews were unnecessary as we all know the candidates quite well. For this reason, the internal candidates are less apparent to the faculty, despite the fact that the internal and external candidates are being examined equally by the Committee. The Committee would welcome any comments from the faculty on internal or external candidates.

The internal candidates are:

Dave Egger  
Earl Graham  
Charles Langston

/ded

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

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

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

Date: 1 September, 1989

From: A. Traverse, 435 Deike

To: Eric Barron, Earth Systems Science Center

Jenny Robinson has let me read a draft of the oxygen meeting proposal. I have one very minor comment: I for one (and I don't think I'm alone) dislike intensely the handle "workshop"--conjures up child labor, Simon Legree, etc. Symposium, colloquium, conference, research conference--whatever--would be better.

Thanks so much for reading my Interlaken Symposium paper. Betty says you have some "ideas" but had no specific corrections. Will be interested to hear. In the meantime I've sent the MS off, since I was facing a deadline.

AT/et

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

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

Date: 19 May, 1987

To: Eric Barron

From: A. Traverse

Re: Triassic/Jurassic proposal of AT

The subject NSF proposal was rejected. All the more reason I'd like suggestions re revision and eventual re-submission. How to change? Where to submit? I am determined to keep Tr-Jr going here!

I wish somebody would come up with a term other than "workshop" for such. (Sounds like Bucherwald.)

AT/et  
AT/et

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

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

Date: 19 May, 1987

Date: 19 May, 1987

To: Eric Barron

From: A. Traverse

Re: Summer Workshop

I am now reasonably certain that I will succeed in raising the \$12,000 in commitments needed for the above-mentioned course by Dr. W. Barnaby for Spring Semester, 1989. If we get the required

Unfortunately I'll be at the International Botanical Congress at the time of the S.W. It sounds great! Did you inform the Carnegie?

I wish somebody would come up with a term other than "workshop" for such. (Sounds like Buchenwald.)

AT/et

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

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

Date: 6 May, 1987

From: A. Traverse

To: Eric Barron

Re: paleobotany course

I am now reasonably certain that I will succeed in raising the \$10,000 in commitments needed for the abovementioned course by C. W. Barnosky for Spring Semester, 1988. If we get the required minimum of 8 students, which is fairly likely, we will need the \$3000 you informally committed to the project. I am giving you this update, so that you can protect the money for a probable call on it. Thanks.

AT/et

Yours very truly,

Alfred Traverse

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

15 January, 1990

Dr. M. S. Barss  
506-6095 Coburg Rd.  
Halifax, Nova Scotia, Canada B3H 4K1

Dear Sedley:

Your letter of 15 Dec. eventually got here, and was very helpful--especially because of the xerox of Colin's paper. I've had the latter xeroxed to hand out at the committee session.

I must confess that it had never occurred to me that my native land has become so chauvinistic that it wouldn't allow types out of the country! I think of myself as a "North American," and could have imagined a Canadian museum as recipient of all the stuff. Oh, well.

When you are enroute north in April please do visit us--I mean stay at our place and have a real visit. Just phone ahead to be sure we're here. We both travel quite a bit. (We were in Miami area 3-6 Jan., and found investigating the freeze damage to vegetation very interesting--in the Everglades especially.)

All the best.

Yours very truly,

Alfred Traverse

AT/et

16 November, 1984

Dr. M. S. Barss  
Geological Survey of Canada  
Atlantic Geoscience Center  
P.O. Box 1006  
Dartmouth, Nova Scotia, Canada B2Y 4A2

Dear Sedley:

At AASP I failed to ask you the obvious question: to what extent and how can other folks use BIOSTRAT and PALYLIT? I have  
GSC paper. Thank you very much.

Best.

We are sending the negatives back to you today, as a first class  
small packet, which the post office assured us was the fastest, safest  
way, though I'm not sure that's the way you sent them to me.

All the best to you for the new year.

Yours very truly,

Alfred Traverse  
Professor of Palynology

Alfred Traverse  
Professor of Palynology

AT/et

AT/et

Geology, Mineralogy  
and Petrology  
Department of  
Science and Technology

Geology, Mineralogy  
and Petrology  
Department of  
Science and Technology

February 19, 1984

Dr. Alfred Traverse  
The Pennsylvania State University  
100 Geology Building  
University Park  
Dr. M. S. Barss

28 November, 1983  
5 January, 1984

Page 10 - Nova Scotia  
Page 11 - Nova Scotia  
487-12-3

Dr. M. S. Barss  
Geological Survey of Canada  
Atlantic Geoscience Center  
P.O. Box 1006, Nova Scotia, Canada B2Y 4A2  
Dartmouth, Nova Scotia, Canada B2Y 4A2

Dear Sedley:

Dear Sedley:

We have printed the negatives you so kindly lent us. I believe our prints are at least as good as those used in the justifiably famous GSC paper. Thank you very much.

We are sending the negatives back to you today, as a first class small packet, which the post office assured us was the fastest, safest way, though I'm not sure that's the way you sent them to me.

All the best to you for the new year.

Yours very truly,  
Yours very truly,

Alfred Traverse  
Alfred Traverse Palynology  
Professor of Palynology

AT/et

AT/et



Energy, Mines and  
Resources Canada

Science and Technology

Énergie, Mines et  
Ressources Canada

Science et Technologie

February 10, 1975

Your file / Votre référence

Our file / Notre référence

Dr. Alfred Traverse  
The Pennsylvania State Univ.  
529 Deike Building  
University Park

28 November, 1983

403-12-1

Dr. M. S. Barss  
Geological Survey of Canada  
Atlantic Geoscience Center  
P.O. Box 1006  
Dartmouth, Nova Scotia, Canada B2Y 4A2

Dear Al:

Dear Sedley:

Would it be possible for you to send me a slide or two (or  
x-ray) of the Triassic material, from Fowkes and Martin  
about the plates from 67-11 for Permian illustrations for my  
textbook; (the Carboniferous ones could be used too). So here  
goes a possibly redundant reminder--I was hoping you might be able  
to suggest sources for up-to-date ranges of palynomorphs, Permian-  
Jurassic, or parts thereof.

Anyway I know this is a lot of trouble, but think of fawning  
acknowledgment that will be yours!

If ~~w~~ All the best as ever. more than you were able to find, we  
will send you the slides.

With best regards,

M. Sedley Barss  
Eastern Petroleum Geology Subdivision

Yours very truly,

Alfred Traverse  
Professor of Palynology

MSB/mjt

AT/et

Atlantic Geoscience Centre  
Geological Survey of Canada  
Bedford Institute of Oceanography  
Box 1006, Dartmouth, Nova Scotia

Centre géoscientifique de l'Atlantique  
Commission géologique du Canada  
Institut océanographique de Bedford  
C.P. 1006, Dartmouth, Nouvelle-Écosse



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February 10, 1975

Your file    Votre référence

Our file    Notre référence

403-12-1

Dr. Alfred Traverse  
The Pennsylvania State Univ.  
529 Deike Building  
University Park  
Pennsylvania 16802  
UNITED STATES

23 JUN 1977

Dear Al:

Would it be possible for you to send me a slide or two (or raw sample) of the Triassic material from Fowndes and Martin Heads. The material that we collected from these areas a number of years ago was not palyniferous.

There is an exploratory well planned for somewhere off Grand Manan Island this coming season and it would be nice to have some Triassic reference material. We plan to collect from the area when the weather permits, which will likely be late, late spring. (If we have any spring.)

If we can find anything more than you were able to find, we will send you the slides.

With best regards,

M. Sedley Barss  
Eastern Petroleum Geology Subdivision

MSB/mjt

Atlantic Geoscience Centre  
Geological Survey of Canada  
Bedford Institute of Oceanography  
Box 1006, Dartmouth, Nova Scotia

Centre géoscientifique de l'Atlantique  
Commission géologique du Canada  
Institut océanographique de Bedford  
C.P. 1006, Dartmouth, Nouvelle-Écosse

May 1, 1979

Dr. Alfred Traverse  
Professor of Palynology  
The Pennsylvania State University  
Dike Building  
University Park, Penn. 16802

June 25, 1975

March 1975

June 1975

405-12-1

21 June, 1977

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

Dear Sedley:

Thanks a lot for the picture. I had no intention of making it complimentary. I must somehow have missed the little table where the money was being taken in Halifax, I suppose, or else I paid and record of payment was lost; (that seems unlikely.) Don't worry about the cuts of samples from Fundy Basin. I have that posted on my bulletin board; although my mills grind very slowly, every one of those items does eventually get taken care of.

Best wishes, old friend.

Yours very truly,

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:kc

AT/et cc: Graham Williams



May 5, 1975

Your file / Votre référence

Our file / Notre référence

Dr. Alfred Traverse  
Professor of Palynology  
The Pennsylvania State Univ.  
Deike Building  
University Park, Penn. 16802  
UNITED STATES

June 25, 1975

403-12-1

Dr. Sedley M. Barss  
Geological Survey of Canada  
Atlantic Geoscience Centre  
P.O. Box 1006  
Dartmouth, Nova Scotia  
Canada

Dear Sedley: Sorry to hear about your knee problems. I certainly hope everything will be all right. Don't worry about the Fowndes Herbarium as I am no better off in replying to requests for samples.

Yours of 22 May came while I was on the Glomar Challenger in the Black Sea. I returned two or three days ago and am now getting ready to go to the International Botanical Congress (hope there aren't too many summers like this!). I am greatly honored to be asked to chair a session at the 1976 AASP Annual Meeting and of course accept! I only hope that you somehow or other knew that I was out of the country and could not respond sooner. A month is really too long! I am

I hope you have a successful trip.

I am impressed that you are so well along on your plans. That's spectacular. I know that there will be many contributed papers, in fact I fully expect to present one, but you are doing a great job by having the meeting assume some sort of form this early. It helps a lot to assure good attendance and a high quality presentation. See you in Houston in October I hope.

M. S. Barss  
Eastern Petroleum Geology Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:kc

cc: Graham Williams



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Ressources Canada

Science and Technology

Science et Technologie

May 5, 1975

Your file    *Votre référence*

Our file    *Notre référence*

Dr. Alfred Traverse  
Professor of Palynology  
The Pennsylvania State Univ.  
Deike Building  
University Park, Penn. 16802  
UNITED STATES

403-12-1

Dear Al:

Sorry to hear about your knee problems. I certainly hope everything will be all right. Don't worry about the Fowndes Head material as I am no better off in replying to requests for samples.

I have recently had a lot of samples remacerated to try and put together a set of residues that I could use to fill requests. Some have turned out to be rather disappointing and require a bit of field work to replenish our raw material. Some of the PEI material turned out quite well and I will send you a slide of it when they are made up.

I hope you have a successful trip.

Yours sincerely,

M. S. Barss  
Eastern Petroleum Geology Subdivision

Atlantic Geoscience Centre  
Geological Survey of Canada  
Bedford Institute of Oceanography  
Box 1006, Dartmouth, Nova Scotia

Centre géoscientifique de l'Atlantique  
Commission géologique du Canada  
Institut océanographique de Bedford  
C.P. 1006, Dartmouth, Nouvelle-Écosse

November 3, 1974

Dr. Alfred Traverse  
Professor of Palynology  
The Pennsylvania State Univ  
University Park, Ill. 16802  
UNITED STATES

April 29, 1975

Dr. M. Sedley-Barss  
Eastern Petroleum Geology Subdivision  
Geological Survey of Canada  
Box 1006  
Dartmouth, Nova Scotia, Canada

Dear Sedley:

This is a fantastically late answer to yours of 10 February. I can only protest that almost immediately after receipt of the letter I went into the hospital for orthopedic surgery to my left knee which turned out to be more complicated in the first instance and attended by other complications that developed later so that I am even yet not completely back to full strength and am terribly behind in my work. Then I have been invited to be an on-board palynologist for the Glomar Challenger cruise to the Black Sea, leaving from Istanbul about 15 May so I find myself boxed in from both ends (I passed the physical for the trip and am hopeful that I will be 100 percent in every way by that time). The long and the short of this is that I simply have not had time to get around to your request for a slide from my Fowndes Head material. Will do so as soon as I can after return from Europe which will be mid-summer (the International Botanical Congress falling hard on the heels of the Black Sea cruise). I absolutely am not trying to be secretive or uncooperative; I just don't have time to get the material in the kind of shape I would want it to send to an old friend and probable critic. Needless to say, when I do manage to get these things together and shipped off to you I would appreciate the possibility of cooperation.

Best wishes until then.

Yours very truly,

Yours very truly,

Alfred Traverse  
Professor of Palynology  
Alfred Traverse  
Professor of Palynology

AT/vsi

AT/vsi



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Ressources Canada

Sciences et Technologie

November 5, 1974

Your file / Votre référence

Our file / Notre référence

403-12-1

Dr. Alfred Traverse  
Professor of Palynology  
The Pennsylvania State Univ.  
University Park, Ill. 16802  
UNITED STATES  
December 27, 1974

Dear Dr. M. Sedley Barss  
Geological Survey of Canada  
Atlantic Geoscience Centre

P.O. Box 1006  
Dartmouth, Nova Scotia  
Canada  
I am returning it to Graham Williams who is more familiar with this than I.

Dear Sedley: that you collected from the Triassic in the Maritimes and recovered some fossils. Could you tell me your localities? Thanks for yours of 5 November--could I possibly have taken so long to answer? Yes, you should follow a professor in a place we like this around for a while to thank your lucky stars that you are doing what you are! I was startled to hear about the "115 mph winds" in Sydney. I can imagine that it must indeed have done considerable damage, as that is well over hurricane force, normal.

*Graham Williams*  
It was I am glad that you and Graeme Wilson will keep me in mind regarding the Jurassic-Triassic in the off shore. This would be most useful to me in my work here with my graduate students. I have not yet heard anything from Graeme about it.

*Graham*  
You also mention my successful exploration in New Brunswick last summer. I found palyniferous material of Triassic age at both M. Fowndes Head and Martin Head. These are well known localities widely reported in the literature as containing fossil plants, but I don't know that anybody has been working on the spores before. I hope not!

M.S.B./mjt

Thanks for writing. Happy holidays.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/vsi

Atlantic Geoscience Centre  
Geological Survey of Canada  
Bedford Institute of Oceanography  
Box 1006, Dartmouth, Nova Scotia

Centre géoscientifique de l'Atlantique  
Géologie géologique du Canada  
Institut océanographique de Bedford  
C.P. 1006, Dartmouth, Nouvelle-Écosse



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Ressources Canada

Science et Technologie

November 5, 1974

Your file    *Votre référence*

Our file    *Notre référence*

403-12-1

Dr. Alfred Traverse  
Professor of Palynology  
The Pennsylvania State Univ.  
University Park, Ill. 16802  
UNITED STATES

Dear Al:

I made a note on my return to keep you in mind for the Jurassic-Triassic. I mentioned it to Graham Williams who is more familiar with this than I.

You did say that you collected from the Triassic in the Maritimes and recovered some fossils. Could you tell me your localities?

We arrived back here from Calgary to a 14" snowfall and up to 115 mph. winds in Sydney, where a great deal of damage was done. The forecaster had predicted a sunny day. The snow disappeared in a few days and things are now back to normal.

It was nice seeing you again in Calgary, and as you say, not enough time to visit.

Best regards,

M. S. Barss  
Eastern Petroleum Geology Subdivision

M.S.B./mjt

Atlantic Geoscience Centre  
Geological Survey of Canada  
Bedford Institute of Oceanography  
Box 1006, Dartmouth, Nova Scotia

Centre géoscientifique de l'Atlantique  
Commission géologique du Canada  
Institut océanographique de Bedford  
C.P. 1006, Dartmouth, Nouvelle-Écosse

March 26, 1974  
September 14, 1972

Dr. M.S. Barss  
Geological Survey of Canada  
Atlantic Geoscience Centre  
P.O. Box 1006  
Dartmouth, Nova Scotia, Canada

Dear Sedley:

Thanks very much for the paper on processing, which should be useful to me in my palynology course. (I was going to require it until I noticed the price tag! \$2.00 is a little steep.) The only general criticism I could level at your approach is that I suspect you do two much sometimes. Each step is an invitation to loss of representativeness. Best wishes to all my lucky friends in N.S. (anybody want to trade?).

See you in Rhode Island?

Yours very truly,

Yours very truly,

Alfred Traverse  
Professor of Palynology  
Professor of Geology & Biology

AT/vsi

AT/vsi

July 25, 1960  
September 14, 1972

Dr. M. Sedley Barss  
Geological Survey of Canada  
Eastern Petroleum Section  
Bedford Institute  
Dartmouth, Nova Scotia, Canada

Dear Sedley:

Thank you so much for the reprint of "Palaeogeography and facies aspects of the Minto coal seam, New Brunswick, Canada", which arrived some time ago. The palynological-petrographic interfingering is most interesting and useful, as you probably know, we try to do a similar sort of thing with the Tertiary lignites of Texas.

See you in Rhode Island?

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

Best wishes.

AT/vsi

Yours very truly,

Alfred Traverse  
Associate Professor of Geology  
and Biology

AT:kwo

July 25, 1969

Dr. M.S. Barss  
Geological Survey of Canada  
600 Booth Street  
Ottawa, Ontario  
Canada

Dear Dr. Barss:

Thank you very much for the copy of "Stratigraphy and Palynology of a Permian section, Tatonduk River, Yukon Territory." I suppose that you intend eventually to supply formal nomenclature for the taxa which are illustrated and I will look forward to receiving a copy of the publication when it appears so that we can cover it in the Catalog of Fossil Spores and Pollen. The high number of grains that show what apparently is included pyritic granules is most interesting, and I would like to hear some time what you think is the explanation for their formation.

Best wishes.

Alfred Traverse  
Associate Professor of Geology

Yours very truly,

Alfred Traverse  
Associate Professor of Geology  
and Biology

AT:kwc

SOUTHERN APPALACHIAN BOTANICAL CLUB  
MEMBERSHIP DEPARTMENT  
MORGANTOWN, W. VA.  
August 28, 1968

February 23, 1961

Dr. Elizabeth Ann Bartholomew  
Southern Appalachian Botanical Club  
West Virginia University  
Morgantown, West Virginia  
June 5, 1968

Dear Dr. Bartholomew:

I have shipped you 43 specimens of *Aspidia wrightii* Beathan  
as a contribution for the plant distribution. I regret that the  
other specimens collected are not up to my February 1  
standard. I have had the plants for the distribution  
of the club since September 1, 1961. I will not be able to  
send you any more. I do not intend to. You will  
have to wait until I can get more. I will still want to remain associated  
with the club.

Dr. M.S. Barss  
Geological Survey of Canada  
601 Booth Street  
Ottawa, Ontario  
CANADA

Dear Dr. Barss:

Thanks very much for "Age and stratigraphy of  
the Pictou Group in the Maritime Province as re-  
vealed by fossil spore." I have found the paper  
interesting from the point of view of possible  
application to study of palynological facies.

Hoping to meet you some day, I am

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

Alfred Traverse

AT:kwc

AT:ms

cc: Dr. Traverse  
Dr. Higge

MINERAL DEVELOPMENT CANADA  
Exploration and Production Research Division

SOUTHERN APPALACHIAN BOTANICAL CLUB

WEST VIRGINIA UNIVERSITY

MORGANTOWN, W. VA.

August 28, 1962

February 28, 1961

Dr. Elizabeth Ann Bartholomew  
Southern Appalachian Botanical Club  
West Virginia University  
Morgantown, West Virginia

Dr. Alfred Traverse  
3737 Hallmark Boulevard  
Houston, Texas

Dear Dr. Bartholomew:

I have shipped you 43 specimens of Acacia wrightii Beatham as a contribution for the plant distribution. I regret that the other specimens of the 50 I originally collected are not up to my standard of quality. I hope you can use these plants for the distribution. I have been getting the specimens of our Eighteenth Distribution ready for mailing. It is going to be a dandy set this year. I have lost one of the set which I collected and thus the holdup. Should you get your set

As of September 1, 1962, I shall not be with Shell, as I am entering the Episcopal seminary in Austin. I do not intend, however, to abandon botany, and I shall want to remain associated with the Club.

The Shell herbarium will be transferred to the Houston Museum of Natural Science, and I shall be honorary curator of it. If they are collected in this same region. However, should they get sent in

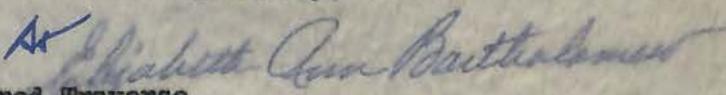
we will use them in our set of North American Flora in which I have used for the most part specimens from other parts of the United States and Canada.

You can be your own judge as to what to collect. I will try to keep you informed of those sent in by others who participate. I believe you are the only one from Texas, so I doubt if we get duplication.

My address will be:

511 East 47th Street  
Austin, Texas

Very truly yours,  
Sincerely,

  
Alfred Traverse

Elizabeth Ann Bartholomew  
Secretary

AT:nw

bc: Dr. Traverse ✓  
Dr. Higgs

SHELL DEVELOPMENT COMPANY  
Exploration and Production Research Division

SOUTHERN APPALACHIAN BOTANICAL CLUB

WEST VIRGINIA UNIVERSITY

MORGANTOWN, W. VA.

February 28, 1961

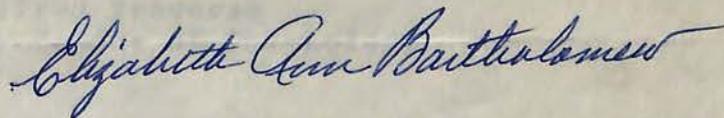
Dr. Alfred Traverse  
3737 Bellaire Boulevard  
Houston, Texas

Dear Dr. Traverse:

A month later I find time to get your letter of February 1 answered! I have been getting the specimens of our Eighteenth Distribution ready for mailing. It is going to be a dandy set this year. I have lost one of the sets which I collected and thus the holdup. Should you get your set and find only one Liatris you will know that I gave up and sent them out without the other Liatris which I collected here in West Virginia. You will get a complete set.

The list which I sent you has in it the plants used in our previous sets. These we do not want to use is it in not necessary, that is if they are collected in this same region. However, should they get sent in we will use them in our set of North American Flora in which I have used for the most part specimens from other parts of the United States and Canada. You can be your own judge as to what to collect. I will try to keep you informed of those sent in by others who participate. I believe you are the only one from Texas, <sup>participating</sup> so I doubt if we get duplication.

Sincerely,



Elizabeth Ann Bartholomew  
Secretary

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

7 March, 1988

Mervin J. Bartholomew, Chief  
Geology & Mineral Resources Division  
Montana Bureau of Mines & Geology  
Montana College of Mineral Science & Technology  
Butte, MT 59701

Dear Dr. Bartholomew:

Thanks for your invitation received recently, vis à vis the 8th Int. Conf. on basement tectonics. Subject interests me greatly, but August, 1988, will be taken up for me by the International Congresses on Palynology and Paleobotany in Australia. Hope your meeting is a smashing success, and I look forward to hearing about it.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et



**MONTANA BUREAU OF MINES AND GEOLOGY**  
**MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY**  
**BUTTE, MONTANA 59701**  
**(406) 496-4180**

Dear *Dr. Traverse*,

As you can see from the enclosed circular, the 8th International Basement Tectonics Conference will focus on ancient continental margins. One of the selected topical themes we will have as a poster session is on characterization and/or comparison of the late Proterozoic and Mesozoic extensional margins of eastern North America (or the circum Atlantic area). We currently have a good group of presentations planned for the late Proterozoic extensional margin, but only a few relating to the Mesozoic extensional margin. Because of your interest, I have enclosed an abstract form along with the circular. I believe that this collection of papers when published will serve as a good reference source. I hope that you can join us. If you have any questions, please give me a call.

Sincerely yours,

Mervin J. Bartholomew, Chief  
Geology & Mineral Resources Division  
(406) 496-4177

MJB:jd

Enclosure

HARVARD UNIVERSITY  
THE BIOLOGICAL LABORATORIES  
16 DIVINITY AVENUE  
CAMBRIDGE, MASSACHUSETTS 02138

June 3, 1968

Dr. Alfred Traverse  
Organic Sediments Laboratory  
Penn. State University  
University Park, Pennsylvania  
June 14, 1968

Dear Dr. Alexandra Bartlett  
Research Fellow  
The Biological Laboratories  
16 Divinity Avenue  
Cambridge, Massachusetts 02138

Dear Dr. Bartlett:

Enjoyed yours of 3 June. I suppose you are likely occupying one of the rooms which either my wife (who was Dr. Wetmore's technician) or I called home two decades ago.

I am an accomplished pack-rat and naturally have the negative about which you speak. I enclose some of the original prints herewith. Data on size are in my publication.

My job here is turning out to be ninety-nine parts pencil pushing and telephone answering and one part research. Perhaps that will improve eventually. The grant system is very bad news for professors in my opinion. I think Elso was better off when I was his grad student, and students supported themselves in whatever way they could, and the professor got a small research budget from the university each year, than I am in the current situation. But I suppose that we have advantages too.

Good to hear from you. Hope to meet you one of these years.

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

AT:kwc

Enclosure: Alangium prints

HARVARD UNIVERSITY  
THE BIOLOGICAL LABORATORIES  
16 DIVINITY AVENUE  
CAMBRIDGE, MASSACHUSETTS 02138  
June 3, 1968

Dr. Alfred Traverse  
Organic Sediments Laboratory  
Penn. State University  
University Park, Pennsylvania

Dear Dr. Traverse:

Richard Eyde, Dr. Barghoorn, and I are working on a paper on Alangium, past and present. Dick thinks it would be a good idea if we included a picture of your Alangium barghoornianum; Dr. Barghoorn is in Australia, and as we are anxious to get the paper into print, we can't wait to ask him if he knows anything about the negatives. Do you know, by any chance, where your negative is? It's certainly a beautiful picture!

I, by the way, am one of E.S.B.'s Phd's; I finished last June, and am now still here as a research fellow. I worked on Pleistocene and Recent pollen from Panama, and am now working on the pollen portion of Dick's paper.

We would certainly appreciate any help you can give, and are looking forward to hearing from you.

Sincerely yours,

*Dr. Alexandra Bartlett*

Alexandra Bartlett  
Research Fellow

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

6 July, 1993

Claudio Bartolini  
Department of Geological Sciences  
UTEP  
El Paso, TX 79968-0555

Dear Mr. Bartolini:

Thanks for your interesting letter of 23 June, re your proposed work on the Triassic of "the Gulf of Mexico area and in northern Mexico." You mention my work in the Newark Supergroup (with students Volkan Ediger, Bruce Cornet, and Eleanora Robbins), but you don't seem to know about my work in Texas, New Mexico and Arizona, with students R. E. Dunay and Ronald Litwin, and co-worker Carmen Moy.

I might be interested in the idea of working with you if it could get possible involvement beyond just service work. Could I hope eventually to publish something about the work, with you? Is the material mostly from northern Mexico? That would be very interesting, and would tie in very well with previous research! If it's purely service work, I do that through my research corporation for legal reasons, and there are significant charges beyond acids, etc.--I have to employ a student-assistant, and I have to pay PSU for use of the lab. I enclose a charge sheet. It hasn't been revised lately because I was on sabbatical in 1992. It's all negotiable (for example, when it's just service work, barren samples result in a big discount), and as I say if it could lead to some involvement in northern Mexico research--who knows/--even perhaps an eventual grant?--that would be very interesting.

I also enclose a couple of reprints. Regards to Professor Cornell, for whom I have great respect.

Yours very truly,

Alfred Traverse

encl.

Dr. Alfred Traverse  
Dept. of Geosciences  
Pennsylvania State Univ.

Dear Sir:

I am Claudio Bartolini, Ph.D. student at the Department of Geological Sciences in the University of Texas at El Paso, El Paso, Texas. My graduate research will consist of a stratigraphic, paleontologic and sedimentologic study of Triassic-Jurassic continental redbed sequences exposed in the Gulf of Mexico area, and in northern Mexico. The redbed successions are considered to have been formed in rifted basins that developed during the separation of North and South American continents, and the opening of the Gulf of Mexico Basin.

To date, there are no compelling data that prove the age for these strata, other than a few identifications of fossil plants that range in age from Late Triassic to Middle Jurassic. Some of the redbed sequences show intercalations of volcanic rocks, and therefore I will use isotopic dating to obtain the crystallization ages. However, volcanic rocks are not present in all the localities, and hence, the need for another method to date these rocks is required.

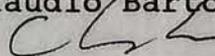
Dr. Traverse, the reason why I am sending you this letter is because I am aware that you have extensive experience concerning Triassic pollen from the Newark Group. The latter has remarkable similarity to the red beds in Mexico, and that is very important in the context of plate tectonics. Dr. Traverse, would it be possible for you to process and identify samples from my thesis area?

I am willing to cover the cost of materials such as acids, etc. A lot of the siltstones are also greenish, grayish, and yellowish, and they may contain more pollen.

I hope you could help me regarding this matter.

Sincerely,

Claudio Bartolini



June 21, 1971

June 13, 1970

Alfred Traverse

Alfred Traverse

Dr. Bartoo

Dr. Bartoo, Dept. of the Graduate School

Vice President for Research

Re: "Research Publications and Other Contributions"

Regarding your memorandum of 10 June, 1970, this is to inform you that

I wonder if you have had time to take a hard look at whether this publication serves any useful purpose, apart from continuing the series to a 42nd edition. I have discussed the matter with a number of other staff members and have yet to find anybody who makes any use of the publication. It must cost somebody a fair amount of money. Why not discontinue it?

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

June 15, 1970 1970

Alfred Traverse

Dr. James B. Bartoo, Dean of the Graduate School

As can be seen from the enclosed form, a graduate student who is an advisee of mine, Mr. Jamison Warg, failed to get credit for a course. Regarding your memorandum of 10 June, 1970, this is to inform you that I will be happy to serve on the Fellowships and Awards Committee. From the sublime to the ridiculous--would you please note in appropriate places that I do not use a middle initial? Geology 590, a field course, would be taken care of automatically and failed to put it on his no. 2 card. He did complete the requirements for this course satisfactorily, as signified by Dr. Schmalz's signing the form. He was given the grade of B for the course, and I think there is no question that he should be allowed to add this course retroactively, if there are any further questions about this case, I'd be glad to answer them.

AT:kc

Alfred Traverse  
Associate Professor of Geology & Biology

AT:kc

February 13, 1970

Alfred Traverse

Dean Bartoo

To: H. Bartoo  
As can be seen from the enclosed form, a graduate student who is an advisee of mine, Mr. Jamison Warg, failed to get credit for a course which he took during the Fall Term, 1969. This error occurred through no fault of Mr. Warg's. In fact, I suppose if anyone is to blame it is I for not noticing what happened in his registration for the term in question. Mr. Warg was under the impression that registration for Geology 590, a field course, would be taken care of automatically and failed to put it on his no. 2 card. He did complete the requirements for this course satisfactorily, as signified by Dr. Schmalz's signing the form. He was given the grade of "B" in the course, and I think there is no question that he should be allowed to add this course retroactively. If there are any further questions about this case, I'd be glad to answer them.

Although you had a reservation for the above affair, you did not appear, according to my records. We had over 80 reservations, including foreign guests expected, and a guarantee of 75, since the hotel would agree to feed only 10% more than the guarantee, and some of you may remember what happened in '57, when several more people showed up than could be accommodated.

Alfred Traverse  
Associate Professor of Geology & Biology

AT:kc

To make a long story short, the Section had to pay for 73 lunches, though only 72 showed up. To prevent the Treasury from absorbing the loss, will you remit  $\frac{\$9}{6} = \$1.50$ ?

  
Alfred Traverse

Enclosed is the check for the amount requested. Was really sorry I got the dates confused and had it on my calendar for the following day when the picture was to have been made. Doubly so because I had wanted to bring up the matter of continuance of the Conference in Geobotany which I thought was quite successful but which I think should be passed around among the various schools as years go by. Have suggested it stay in the mid-region of states for awhile, and passed the matter over to Chester for this year. If you appear does not see it for this year, will pass the question on to Illinois or Ohio State since they are easy access to fields where fossil collecting can be made. I think the matter of Paleobotany was greatly stimulated by the conference and am enclosing several copies of the program to add to your files if you care to append them. I felt they deserved a place with the accomplishments of the First 25 Years.

Bartoo

September 15, 1959

To: H. Bartoo ✓  
J. G. Ogden  
D. E. Potter  
J. F. Grayson  
D. C. McGregor  
E. S. Leopold

From: A. Traverse, Secretary, Paleobotanical Section, B. S. A.

Re: 25th Anniversary Luncheon, Montreal, 25 August 1959

Although you had a reservation for the above affair, you did not appear, according to my records. We had over 80 reservations, including foreign guests expected. I gave a guarantee of 75, since the hotel would agree to feed only 10% more than the guarantee, and some of you may remember what happened in '57, when several more people showed up than could be accommodated.

To make a long story short, the Section had to pay for 75 lunches, though only 72 showed up. To prevent the Treasury from absorbing the loss, will you remit  $\frac{\$9}{6} = \$1.50$ ?

*AT*

Alfred Traverse

Enclosed is the check for the amount requested. Was really sorry I got the dates confused and had it on my calendar for the following day when the picture was to have been made. Doubly so because I had wanted to bring up the matter of continuence of the Conference in Geobotany which I thought was quite sucessful but which I think should be passed around among the various schools as years go by. Have suggested it stay in the mid- region of states for awhile, and passed the matter over to Chester for this year. If Ann Arbor does not see it for this year, will pass the question on to Indiana or Ohio State since they are easy access to feilds where fossil collecting can be made. I think the matter of Paleobotany was greatly stimulated by the conferenne and am enclosing several copies of the program to add to your files if you care to append them. I felt they deserved an inclusion with the accomplishments of the First 25 Years.

PROPOSAL NO. <b>EAR-8705988</b>	INSTITUTION <b>Arkansas Tech University</b>	PLEASE RETURN BY <b>04/03/87</b>
PRINCIPAL INVESTIGATOR <b>Henry L. Barwood</b>		NSF PROGRAM <b>STRATIGRAPHY &amp; PALEONTOLOGY</b>
TITLE <b>Correlation of Carboniferous Formations in Arkansas Using Plant Megafossils</b>		

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

This proposal is from a man whose Ph.D. and major expertise is in clay mineralogy, who has had no obvious training or experience in either stratigraphy or paleobotany. Yet he proposes investigating the stratigraphic zonation of a series of sections, using plant megafossils. I cannot evaluate Dr. Barwood's competence to attempt this feat because he has published no papers on fossil plants in referred journals, though there are a couple of abstracts and field-guide sections in sources not available in our library. I note that Barwood curiously does not belong to the American paleobotanical organization (P.S.B.S.A.), nor any other paleontological association, for that matter. The co-PI has even less claim to paleobotanical knowledge! The proposal does little to alleviate my fears about the PI's competence to do the work. There is no mention of the work of others, such as Gastaldo, a paleobotanist who is active in the Warrior basin. There is considerable reference to Lesquereux, whose work is now mostly irrelevant though historically interesting. The name Mamay is misspelled in various places, as though Barwood is not very familiar with his important work, on which he would have to build. He writes of stratigraphic zonation but doesn't mention possible independent checks on the boundaries he might try to find. Statements about the field methods (1. 9, p. 9) are very amateurish. There is no reference to possible mathematical or computer-based analyses of the paleobotanical data and of the fossils themselves. In brief, I don't believe NSF should give this proposal serious consideration unless there is no dearth of money.

OVERALL RATING:  EXCELLENT  VERY GOOD  GOOD  FAIR  POOR

REVIEWER'S SIGNATURE  
*Alfred Traverse*

REVIEWER'S NAME (TYPED)

OTHER SUGGESTED REVIEWERS (OPTIONAL)

**Dr. Alfred Traverse  
Department of Geosciences  
Pennsylvania State University**

REVIEWER'S COPY

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

*file*

Frau V. Zaeslin  
Basler Mission  
Missionsstrasse 21  
CH-4003 Basel

Sehr geehrte Frau Zaeslin.

den 15. Juni 1989

haben Sie vielen Dank für Ihren freundlichen Brief vom 19. Mai 1989. Wir sind erst gestern zurück in Bern. Die Reise ist sehr

Sehr geehrte Frau Zaeslin!

Ich habe neulich Ihren freundlichen Brief vom 19. Mai beantwortet. Wie versprochen, habe ich meine Bank besucht, um die Überweisung von 122 Franken zu arrangieren. Erstaunlicherweise habe ich entdeckt, daß so eine Überweisung \$20 (d.h. ungefähr 40 Franken) kostet! Meiner Meinung nach, wäre das wahnsinnig. Ich lege daher sFr 130 Bargeld bei. Bitte, akzeptieren Sie die zusätzlichen sFr als Beitrag an die Mission.

Wir wünschen der Mission alles Gute.

Ihr

Alfred Traverse  
Professor für Palynologie

AT/et  
Anlage: 1: sFr 130 Bargeld  
2: Kopie der Rechnung

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

Department of Geology  
and Mineralogy  
101 Monticello Laboratory  
101 South Chest Hill  
Columbia, S.C. 29208  
Phone 814 422-4721

*file*

Frau V. Zoeslin  
Basler Mission  
Missionsstrasse 21  
CH-4003 Basel

den 7. Juni 1989

Sehr geehrte Frau Zoeslin,

haben Sie vielen Dank für Ihren freundlichen Brief vom 19. Mai 1989. Wir sind erst gestern zurück im Büro. Die Reise ist sehr gut gegangen. In Zürich haben wir eine Freundin (Christine Hsü-Eugster) besucht, die vor zwanzig Jahren als Missionärin im Ihren Missionshaus ausgebildet wurde. Es hat sie sehr interessiert zu lernen, daß wir dort übernachtet haben!

Ich werde morgen arrangieren, unsere Rechnung zu bezahlen.

Meine Frau und ich haben Basel sehr, sehr gern! Wir hoffen imstande zu sein, Ihre freundliche Einladung zu akzeptieren, im Missionshaus wieder einmal zu übernachten.

mit besten Grüßen

Ihr

*Alfred Traverse*  
Alfred Traverse  
Professor für Palynologie

AT/et



The Ohio State University

Department of Geology  
and Mineralogy

107 Mendenhall Laboratory  
125 South Oval Mall  
Columbus, Ohio 43210  
Phone 614 422-2721

October 8, 1978

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

Dear Al:

In reference to the Palynology terms in the Glossary revision --

- (1) the 260-term category was reviewed by Schopf and Kosanke;
- (2) very few alterations were made; it is one of the least-changed categories in the entire work.

Jim Schopf was chief reviewer for this and other categories. Like other reviewers, he farmed out various parts of the job. I don't know anything more than that; I come in only as editor, ex post facto so far as the reviewing is concerned. However, no section of the Glossary involves "authorship" -- acknowledgment will be made of reviewers, and a general statement will be made of appreciation to contributors to the present edition, which is what we have to work with and by and large is excellent.

Al, I hope this allays your misgivings.

Cordially,

Robert L. Bates  
Science Editor,  
Glossary of Geology

19 September, 1978

Dr. Robert L. Bates  
Department of Geology  
Ohio State University  
125 S. Oval Drive  
Columbus, OH 43210

Dear Dr. Bates:

Thank you for the little verse. I may be able to use that at some time in the future in one way or another. It is certainly memorable.

I did want to comment a bit further about the AGI Glossary. I was startled and somewhat distressed to learn that I was not consulted as far as the palynological section of the Glossary is concerned. I devoted a great deal of time and effort to composing the manuscript for that section in the previous Glossary, and I gather from your comments it had stood the test of time fairly well. It is a little distressing to learn that it will come out in the new Glossary in large part unchanged but under somebody else's authorship. I wonder if this is related to slips betwixt the cup and the mouth or what.

Good to get to know you and your charming wife even if under such distressing circumstances. Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

THE UNIVERSITY OF KANSAS  
LAWRENCE  
DEPARTMENT OF BOTANY

3/13/69

12 November, 1984

Dr. E. Battaglia  
Istituto Botanico  
Universita di Roma  
Roma, Italy

Dear Dr. Battaglia:

Thanks for your card requesting a copy of my work with Norma Johnson on Silurian fossils. Ms. Johnson's paper has been submitted for publication but is not yet published. You are referring to numerous abstracts by her, Strother and me. I enclose a copy of the latest of these (from 6 IPC), as well as a copy of Strother and my previous work.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

encl: copy of abstract from 6 IPC  
copy of Strother & Traverse

Please keep us in mind.

Yours very truly,

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

## THE UNIVERSITY OF KANSAS

LAWRENCE

DEPARTMENT OF BOTANY

3/13/69

Dear Al,

Received your letter of 3/7/69 regarding Penns. Palynology Paradise and will certainly proselyte prospective persons in these premises. Now that we have that "alliteration" out of the way, I must confess that I am afraid we have very few palynology oriented graduates (very few paleobotany ones - for that matter) but I do feel there is a potential in the geology group. Anyway I will pass the word along regarding your setup (which certainly sounds ideal) and perhaps we can promote you a little business here.

Best regards,

Sincerely,

Bob Baxter

March 7, 1969

Dr. Robert W. Baxter  
Botany Department  
University of Kansas  
Lawrence, Kansas 66045

Dear Bob:

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

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

Please keep us in mind.

Yours very truly,

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

THE UNIVERSITY OF KANSAS  
LAWRENCE

DEPARTMENT OF BOTANY

26 Sept.  
1958

Dear Al,

Am enclosing one of the reprints you asked about. A. B. Leonard is a professor in the Zoology Department here who specializes in fossil and living gastropods but who has spread his interests into the general fossil flora & fauna of the late Tertiary. A very capable man. —

Quillard & Morris both enjoyed the meetings and mentioned seeing you. I was sorry not to be able to make it but I had gotten involved in so many things here that it was impossible to get away.

Hunt Institute for Botanical Documentation  
Sincerely,  
Bob Baxter

THE UNIVERSITY OF KANSAS  
LAWRENCE, KANSAS

DEPARTMENT OF BOTANY

1 August

Dear Al,

Thanks for your kind note of 29 July. Would have written with more details at the start but I wanted you to know about field trip prior to 1 August which you had said was the deadline for changes.

I worked myself up a nice peptic ulcer this past year - so much so that I resigned the dept. chairmanship this spring in order to reduce the strain. Beneficial effects of summer haven't materialized so I plan to go into hospital for the next couple of weeks to see if strict diet and medication may help. - Hope to be on my feet before 8/29 but was afraid it was a little

optimistic to continue plans for field trip.

Will continue, however, with hopes of being able  
to tell you about my "amazon" new Mexoglan.

Yours,

Bob Baxter

Lastly, I guess I should comment on your question about organic chemistry. That's nothing to be greatly concerned about--you can make it up with one basic course in the subject during an early term here 20 February, 1978

The <sup>Island</sup> number of people at the University of Michigan who know about me and my work, and you might want Ms. Grace Baysinger's opinion. Among such people are Dr. 1209 Highland Drive, Apt. 102 Ann Arbor, MI 48105 who was also a close friend of mine. Dr. Jones and Dr. McVaugh in the herbarium are also well acquainted with me and my work. Thank you for writing.

Dear Ms. Baysinger:

Your letter of 24 January to the former chairman of the Department of Life Sciences here has been referred to me for answer. While I am officed in the Geosciences Department, I have a joint appointment between geosciences and biology, and I have had both undergraduate and graduate advisees in biology as well as in geology. In fact, I am much more of a botanist myself than I am a geologist. If you can qualify for admission to the graduate program at Penn State I would welcome you as a student here in palynology in either geosciences or biology--your choice. "Palynology" is a big order, of course, and there are many different avenues one can move along. One of them, paleopalynology, usually assumes considerable background in geology. This is the area in which most of my work has been centered over the years, and if you wanted to go along those lines with me I would want you to acquire basic geologic skills. I notice that your present program is almost totally lacking such, except for sedimentary geology and geomorphology. I would want you to have elementary physical geology, elementary mineralogy, and one or two other courses. Indeed, with your pretty complete background in botany you are in an excellent position to move in that direction. On the other hand, if you are primarily interested in, say the botanical aspects of pollen analysis--for instance, the pollen morphology of a particular family of plants, or whatever--I would be happy to have you as a student in that sort of work as well, and I am well qualified to guide your work.

= I cannot really assess how probable it is you would be admitted here as a graduate student, because your list of courses does not include the grade you received in them, nor do you mention what your grade point is. Also, the GRE examination is quite important at Penn State. Perhaps in a follow-up letter you will give me that information so that I could respond appropriately. Eventually you might want to visit State College so that you could see what our facilities and program are like from close up.



1209 Island Dr.  
Apt. 102  
Ann Arbor, MI 48105

January 24, 1978

Professor J.G. O'Mara  
Pennsylvania State University  
208 Life Sciences Building  
University Park, PA 16802

Dear Dr. O'Mara:

At present I am a senior at the University of Michigan. I will graduate May 1978 with a B.S. in Botany. Although I intend to take a year off before going on to graduate school, I am investigating different schools that have graduate programs in palynology.

I would greatly appreciate any information or suggestions that may give me concerning your graduate program. In order to better evaluate my background strengths and weaknesses I have enclosed a list of the science and cognate courses that I have taken. I realize that I am deficient in organic chemistry, perhaps you can advise me as to how much is needed.

Thank you in advance for your time and assistance.

Cordially,

 Grace Baysinger  
Grace Baysinger

Botany and cognate courses completed:

Botany 281 Plant Physiology  
403 Economic Botany  
404 Ethnobotany  
422 Systematic Botany  
425 Phytogeography  
456 Paleobotany  
487 Plant Demography  
491 Quaternary Paleoecology  
492 Paleoecology Lab  
498 Advanced Instruction-Palynology

Biology 305 Genetics  
351 General Ecology  
451 Topics in Ecology  
453 Tropical Habitats and Organisms

Zoology 472 Animal Geography

Geology 305 Sedimentary Geology  
442 Geomorphology

Physics 125 General Physics  
126 General Physics

Math 115 Calculus I

Chemistry 123 General Inorganic Chemistry  
125 Inorganic Lab  
126 General Inorganic Chemistry