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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.

To: gbrush@jhu.edu
From: traverse@ems.psu.edu (Alfred Traverse)
Subject: reprint
Cc:
Bcc:
X-Attachments:

Dear Grace:

Regrettably, the reprints of the paper have long since been existed. Furthermore, as we are now in the hour countdown phase of preparation for departure for Italy, I can't lay making some xeroxes on Betty. JHU library would borrow the pub, or have a xerox made for you, if you're interested. That library should lay on the publication for you anyway--it contains so much palynology that you really need to have it available. My recent Triassic paper on your home province (with Sarah Fowell) also appeared in RPP.

The paper doesn't really include much new information beyond the 1955 version. It's purpose was to bring the nomenclature into line with modern practice, AND to update the stratigraphy, in line with studies not available in the early fifties. For example, I now date the deposit as early Miocene, instead of late Oligocene.

Rats. I thought you had probably just mislaid the promised kids stories in Turkish.

Best. Al.

Date: Wed, 19 Mar 1997 16:03:37 -0500 (EST)
Date-warning: Date header was inserted by JHUVMS.HCF.JHU.EDU
From: Grace Brush <gbrush@jhu.edu>
X-Sender: gbrush@jhuvms.hcf.jhu.edu
To: traverse@ems.psu.edu

Hello Al:

Thanks for your letter which came today -- I think I know the difference between those grains - but I seem to be seeing alot of variation in Juglans type grains that are very recent -- a few thousand years old. Do you have a copy of your 1994 paper in Rev. Pal. Pal. We do not get that journal here. I would appreciate a copy if you have one available.

With respect to the books from Turkey, I am frightened it slipped my mind completely while I was there. I spent a month in Syria last summer, but do not expect to go back to the Middle East in the immediate future. However, when I do I will keep your request in mind.

E-mail is wonderful. Have fun in Italy. And hello to Betty.

My best,

Grace

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
PALYNOLOGICAL LABORATORIES
435 DEIKE BUILDING
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E-Mail: traverse@ems.psu.edu

14 March, 1997

Dr. Grace S. Brush
Department of Geography & Env. Eng.
The Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

Just heard your message on my machine. When I became emeritus, my phone privileges were deleted. That means that not only must I pay for long distance calls personally, but more annoying is that it requires a very complicated procedure to accomplish this--dialing a minimum of 28 numbers over a period of time, with interruptions. I do it only in case of a real emergency. On the other hand, e-mail remains free for some reason, and I am deeply into it. I found no e-mail address for you on my various cards, so I am using snail mail. Should get to you in a few days. If you would get e-mail, we could jaw back and forth at great length--at least for the moment free.

Gee willikers, I thought you'd be contacting me about the Turkish childrens' stories you promised me so long ago. My current teacher brought me a few at my last lesson on Monday, but they turn out all to be Moslem propaganda.

About Juglans vs. Pterocarya pollen. Check out my paper on the Brandon Lignite flora in Rev. Pal. Pal. of 1994. Walnut pollen has pores on the equator, as well as in one hemisphere, in other words is technically periporate. Wingnut, on the other hand, has obligate stephanoporate pollen. As I recall, the species I have studied have 5-7 pores, but they are all on the equator. Also, there is more of an annulus to Pterocarya pores. Juglans doesn't have much of a rim to the pores. I don't think the pollen of the two genera are at all confusable.

We leave for Italy for three weeks a week from tomorrow. In the meantime my old friend, Ken Hsü, the famous Chinese/Swiss geologist, and his wife, are coming for a six day visit. Betty is finding it a bit challenging. Ken will talk on the Gaia hypothesis and its relation to global warming in the departmental colloquium on Monday.

We are both fine, thanks, and we hope you are too. Betty is also active in her field--has a book and a long article in press.

When we get back I had been planning to go to her convention in Toronto with her as accompanying spouse--I thought that would be a neat turnabout. But I really need to get back to work, both here and on many tasks at our country place. So, I am backing out, and she will go with people from our German Department.

All the best.

Yours very truly,

Alfred Traverse

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E-Mail: traverse@ems.psu.edu
14 November, 1994

Prof. Grace S. Brush
Dept. Geography & Environmental Engineering
Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

Hope you did o. k. in Turkey. But did you get me my childrens' books? Would be nice. My Turkish teacher brings comic books, but they're still over my head.

Everything on an even keel here. Betty finishes her dissertation next month. My palynology course is going full blast with 16 students. May well be the last time.

All the best. Hope you thought the book was o. k.
Enclosed are a few reprints you don't seem to have from me.

Yours very truly,

Alfred Traverse

encl.: reprints

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1 November, 1993

Grace S. Brush
Department of Geography and Environmental Engineering
The Johns Hopkins University
Baltimore, MD 21218, USA

Re: Page proofs for Sedimentation of Organic Particles

Dear Grace:

Betty and I have proof-read the entire book, using the only method that really works: one person (Betty) reading aloud from the typescript as submitted, the other person (AT) following each word of the typesetters' proof with a ruler. I believe we have caught all errors. I do not wish to bore you with unnecessary details, but, as most of you discovered, it is clear the CUP had a computer-glitch of some sort: e.g., (1) more often than not the word at the bottom of a typescript page was run into the word at the top of the next page; (2) hundreds of hyphens were dropped; (3) rendering of special letters in foreign languages was frequently botched, etc.

After our go-through of the book, we went back to compare our markings with yours. Thank you for your very prompt return of your section! We hope you realize that the typesetters' proof as you received it reflects earlier editorial and stylistic changes made by CUP (e.g., their rather bizarre rendering of numbers, such as in your Table 3) and stylistic corrections of one sort or another made by us. All of your changes have been incorporated. The actual errors we had caught--except Quercus! (In the same footnote with "Quercus" was a misspelling of artémisiifolia.) In Fig. 3.6 there was a "7.5°" which we changed to "7.5'" and in the last paragraph two words were run together. On the whole, yours was one of the more trouble-free of all our MSS! Thanks so much to both you and Lucien for all your efforts.

All has now gone off to CUP, and we await the next development (for us probably the index and the final proofs; for you, the book itself). ~~Thanks very much for your patience and encouragement.~~

Yours very truly,

Alfred Traverse

AT/et

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23 January, 1991

Dr. Richard Bradshaw
Sveriges Lantbruksuniversitet
Department of Landscape Planning, Box 58
230 53 Alnarp, Sweden

Dear Richard:

Yours of 23 November got neglected because of the end of Fall Semester, a Xmas trip that really was mostly about my Mother's estate and the situation of my wife's Mother in a nursing home in Indiana. Then the "Spring" Semester started up, etc. But I am now getting back to normal.

So the delays about which you apologized have not been important. The course in Lapland and the arrival of Astrid (you didn't take long in getting acclimated) sound like more fun than what we've been doing! Congratulations on Astrid!

The text for your paper would be "perfect" in Word Perfect, either 5.0 or 5.1. Please just airmail a diskette to us! E-mail, etc, are available at Penn State, but for this lab just the diskette would be best, and airmail will be fast enough.

Are you covering "pollen focussing"? See Beaudoin letter xerox enclosed. One of us has got to treat the matter. maybe you could still work in a couple of sentences, etc.?

Now re the figures--the 4-5-6 & 10 you sent can be dealt with here. I will be able to reproduce Fig. 12, which, if I understood correctly, = Fig. 3 of Heide & Bradshaw 1982 (please correct me if that's wrong). I presume, by the way, that your final text includes captions for these figures. Elsevier is a bit sticky, but it would help if you as author could get permission to use your former Fig. 3 and send it to me. That goes for other figures too--though most publishers aren't as much trouble as Elsevier. Even if a journal is non-copyrighted we still need to have proforma permission from the publisher and

from the original author--unless it was you. A copy of the form required by Cambridge UP is included with this letter.

Best regards to you.

Yours very truly,

Alfred Traverse

AT/et

encl: copy of permission form; copy of Beaudoin letter

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21 January, 1991

Dr. Grace Brush
Dept. of Geography & Environmental Engineering
The Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

Did I ever acknowledge receipt of the diskette? I have a "feeling" I sent a postcard, but have no record. It came a while back and is most welcome. You and several others have compelled us to update from WP 5.0 to 5.1 so that we don't have to run down the hall to get 'em translated down to 5.0.

It was a relief to know you didn't go to Syria--and I also may have written that previously on a card, but am not sure.

All the best.

Yours very truly,

Alfred Traverse

AT/et



THE JOHNS HOPKINS UNIVERSITY • BALTIMORE, MARYLAND 21218

THE DEPARTMENT OF GEOGRAPHY
AND ENVIRONMENTAL ENGINEERING

August 24, 1990

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

Dear Al:

I hope to have the revised manuscript of our paper mailed out by the end of next week (August 30). I have to get a few figures drafted, but I don't expect any delays. Both Farley's and your comments are most helpful, and we thank you for thoughtful reviews. We will supply the revised version in 5.2 Word Perfect.

In response to your letter of June 11, asking whether I could identify any of the faces in the 1962 photo of the Palynological Conference held in Tucson, I can't place anyone. I remember the conference clearly, and many who were there, but I don't recognize anyone in the picture, including myself.

Our Fax number is 301-338-8996.

Best wishes to both you and Betty. And congratulations to Betty on the Master's degree.

Sincerely,

Grace

Grace Brush

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13 August, 1990

Dr. Grace Brush
Dept. of Geography & Environmental Engineering
The Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

Your chapter for the book project came back from review about 1 May. That was almost exactly when my mother's situation took a turn for the worse, and thereby hangs the tale of much of my summer--eventually my sister and I got her into a nursing home, emptied and sold her house, distributed the contents, etc., etc. I'm finally back to the lab. I'm sorry for this long delay!

I am sending you herewith the pages from your MS with the reviewer's comments and mine, as well as the reviewer's general comments. Could you now get it into final shape? Doesn't look like too bad a job to me--you have some final drafting to do, etc. I do think we have made some valuable suggestions. It is o.k., of course, to argue with us! If the final version is available on a 5.25" diskette in WordPerfect or compatible format, it would help the preparations here a lot.

I am very adamant that the plant scientific names be showcased in a few, easy-to-find places, e.g. in the Table 1, and the caption to Fig. 3. "Hickory", for example, is opaque to, say, a German reader--"Giant ragweed" too!

Can you help me remember what the enclosed two-page abstract deal I found in your "book folder" is? I'm drawing a blank--too much water over the dam, I guess.

Hope all is well with you. All the best to you both.

Yours very truly,

Alfred Traverse

P.S. Do you have a fax number? Forgive me if I've asked before. I'd like to put it on our Brush card.

AT/et
encl

THE JOHNS HOPKINS UNIVERSITY

BALTIMORE, MARYLAND 21218

DEPARTMENT OF BIOLOGY

June 14, 1990

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

Dear Dr. Traverse:

I am writing to thank you for your help in acting as an outside referee in the promotion of Dr. Grace Brush to Professor, full time.

The Committee was very pleased to hear that the Academic Council has approved the promotion and has forwarded it to the Board of Trustees.

Once again, thank you for your help.

Sincerely,

Saul Roseman

Saul Roseman
Chairman, Ad Hoc Committee

SR/lr



THE JOHNS HOPKINS UNIVERSITY • BALTIMORE, MARYLAND 21218

THE DEPARTMENT OF GEOGRAPHY
AND ENVIRONMENTAL ENGINEERING

March 5, 1990

Dr. Al Traverse
Department of Geosciences
Palynological Laboratories
435 Deike Bldg.
Pennsylvania State University
University Park, PA 16802

Dear Al:

My genus Aletes is predated by Aletes in the Umbelliferae, which was named by J. Coulter and J. Rose in December 1888. So I will have to change the name. But first, I have to get the original reference and also the Botanical Code to make sure the original Aletes is published in agreement with the Code. And I'll have to get over to Washington to do that. I'm pretty confident that the original name is O.K. What a nuisance! I'm glad you brought it to my attention, though. As Elso Barghoorn would say "...botanical lawyering".

Hope all is well with you. I'll send a copy of my revision to you. I suppose it should be published in Taxon. What do you think?

Sincerely,

Grace Brush

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28 February, 1990

Dr. Grace Brush
Dept. of Geography & Environmental Engineering
The Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

Please see enclosed. Either Aletes Somers or this Aletes in the Umbelliferae is a homonym. If it's your spore generic name that is later, you personally should publish the new replacement generic name!

Best.

Yours very truly,

Alfred Traverse

AT/et

encl: xerox of page from a recent (undated) info sheet from The Nature Conservancy, 1815 North Lynn St., Arlington, VA 22209

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26 February, 1990

Dr. Saul Roseman
Department of Biology
Johns Hopkins University
Baltimore, MD 21218

Dear Dr. Roseman:

Your letter of 9 February about Grace Brush's candidacy for professorship-with-tenure is in hand. I am a trifle confused, in that Grace's vita enclosed with your letter describes her present position as "full-time," whereas your letter says she is "part-time." I gather that the subject of tenure is the real issue.

I fully understand the sentiments you express about JHU's desire to get the best possible persons for your positions. (You certainly scored a coup in getting Bill Richardson to be your new president!) However, I would like to suggest that other important factors are continuity, momentum, and JHS' reputation for integrity and fair play. There are conceivably, worldwide, a handful of persons with Dr. Brush's capabilities in palynology-paleobotany-sedimentology, whom you might persuade to move to Baltimore and who might bring more recognition and more funding for a longer period to JHU. I'm thinking of David Batten in UK, for example, a younger, perhaps in some respects more dynamic, person. However, you have Grace Brush, and she has had a very distinguished career indeed, and has given momentum and reputation to JHU in her areas of research. She, like Dr. Batten, is writing a chapter for a book I'm editing on palynomorph sedimentation, so I know Grace's work intimately, and it is obvious that I think of her as "world class."

I first knew this lady as Grace Somers, a graduate student at Penn State in the 1950s. She had already done very significant palynological work on sections in her native Nova Scotia. (Many people in our profession don't know that genera such as "Aletes Somers" are Grace's work from long ago.) In the intervening years she has kept up a steady stream of very significant, basic contributions to plant ecology, general palynology, and palynomorph sedimentation. She has had a sizable list of

degree-receiving graduate students, but she also has had influence on a much longer list of people who did not get degrees from her--for example, Cecilia Lenk, who did her Ph.D. at Harvard, as did Grace. Cecilia was an undergraduate advisee of Grace's, who married Paul Strother, another Barghoorn Ph.D. (an undergraduate advisee of mine). Their child, Grace, is named for Dr. Brush, an indication of the esteem in which this lady is held.

Dr. Brush is an excellent teacher, an imaginative and indefatigable researcher, an idea person, and a very reliable, highly ethical scientist in all respects. She is also a warm-hearted, kind lady, whose influence on young people cannot be overestimated.

In sum, Johns Hopkins would be well advised to give Grace S. Brush a status that most of us, who know her and have worked with her, tended mistakenly to assume she already possessed. I can't imagine that JHU will be in any way disappointed.

Best wishes to you in your work.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

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12 February, 1990

Dr. Grace Brush
Dept. of Geography & Environmental Engineering
The Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

The two packets arrived in perfect condition. I have stuck the figure caption pages and the SEM xeroxes in at the appropriate places. Thanks very much!

Now I'm meditating about whom to get as reviewer. In order to keep the business within reasonable bounds, I'm only having one reviewer--I do the rest. (In one case I thought a second reviewer would help.) I hope now to move along expeditiously with the whole thing, tho' I am still lacking a few MSS.

I look forward to your paper in L&O.

All the best.

Yours very truly,

Alfred Traverse

AT/et

THE JOHNS HOPKINS UNIVERSITY

BALTIMORE, MARYLAND 21218

February 9, 1990

DEPARTMENT OF BIOLOGY

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

Dear Dr. Traverse,

An Ad-Hoc committee has been appointed by the Dean of the G.W.C. Whiting School of Engineering to consider the qualifications of Dr. Grace Somers Brush for the rank of Professor in the Department of Geography and Environmental Engineering. Dr. Brush currently holds the rank of Professor, part-time in the department. Tenure is conferred at this university upon promotion to Professor. Therefore, if Dr. Brush is promoted, tenure will also be awarded.

As you may know, the School of Engineering has traditionally emphasized excellence in research and graduate student training, while at the same time, we have deliberately maintained a small faculty, now totalling about 100. Thus, each promotion to tenure is of pivotal importance. In the promotion process, the opinions of outside experts play a major role in the final determination, and it is for this purpose that we seek your help.

The "Criteria for Promotion" state: "Each promotion should be conducted so as to attract or retain faculty whose scholarly achievements, teaching ability, and qualities of university citizenship are superb. Promotion committees should attempt to determine whether the candidate is among the best available scholars at the same stage of career development;"

In this context, we would very much appreciate your frank evaluation of Dr. Brush's scholarly achievements. How do you compare her with other senior scholars in her field or in related fields? Explicit comparisons will be especially helpful to us. Is her work innovative and is it having an impact on her field? Is she the leader in her field that you would recommend for a similar promotion at your institution or at other leading universities?

Dr. Brush's curriculum vitae is enclosed, along with some representative reprints. We will be pleased to forward any other reprints or material that you may require. You can call me at 301-338-7330, or send your request by FAX (1-301-338-5213).

Please be assured that your reply will be treated as a confidential and privileged communication; we will take all responsible steps to see that it is seen only by those directly involved in the promotion process.

Our committee must report to the Academic Council as soon as possible, and it would therefore help us greatly to have your response at your earliest convenience.

We would not impose on your time if the issue were not so important, and we are most grateful for your help.

Sincerely,

Saul Roseman

Saul Roseman
Professor and Chairman
Department of Biology and
McCollum-Pratt Institute
Chairman, Ad-Hoc Committee



THE JOHNS HOPKINS UNIVERSITY

BALTIMORE, MARYLAND 21218

THE DEPARTMENT OF GEOGRAPHY
AND ENVIRONMENTAL ENGINEERING

Feb 1/90

Dear Al:

(3 copies)

Here is the ms. I'm sure you
and others will have many comments,
and that is fine. I'll await
reviews before having the final
drafting done.

I just had a paper come
out in Limnology and Oceanog
in which I referred to your Texas
work quite alot - hope I haven't
misinterpreted your stuff, ^{but I don't think so.} I will send
a reprint when they come.

Best wishes,

Grace

P.S. We ran out of Johns Hopkins stamps! →

I wish I weren't so slow!



The Pennsylvania State University
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27 November, 1989

Dr. Grace Brush
Dept. of Geography & Environmental Engineering
The Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

I love it that you used a \$1 Johns Hopkins stamp! My biographical listing for him says only that he was "an American financier, 1795-1873." I hope he was more savory than some of that ilk at that time. Some day I'd like to hear more.

Now about Mike's chapter. There are, as you know, a number of people who are very into this "palynodebris" thing. Some of the better known people working in the area (e.g., Hart, Pocock, Gastaldo, Caratini, Batten, etc.) are authors for the book. I hoped therefore to get an independent view, and thought you might find it educational. Your response is valuable, as indicative of problems general readers will have if we're not careful!

"Palyno-" doesn't refer to just pollen, of course, but to all sorts of things from 4 kingdoms of organisms, if they are resistant-walled and in the appropriate size range. If you have a copy of my text, you might glance at the glossary.

Best personal regards.

Yours very truly,

Alfred Traverse

AT/et



THE JOHNS HOPKINS UNIVERSITY • BALTIMORE, MARYLAND 21218

THE DEPARTMENT OF GEOGRAPHY
AND ENVIRONMENTAL ENGINEERING

November 17, 1989

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

Dear Al:

I apologize for not returning this manuscript before now. I have a lot of difficulty with it. It is not written very clearly for someone like me, who knows little about the literature in this area. But more importantly, I guess philosophically I object to this kind of arbitrary classification of components of sediment, and I don't think that the manuscript demonstrates the usefulness of such classifications. For one thing, the classification does not include a whole host of organic entities that may be very important with respect to depositional environments, such as beetles, insect parts, cladocera, diatoms, dinoflagellate cysts. The author also alludes to the long distance of transport of fern sporangia, foraminiferal linings, etc. There is a fair amount of literature indicating that these larger sized particles, including seeds, are not transported very far from their source.

I do not understand why one cannot just use the identification of the object, if it is identifiable. I do not see the advantage of lumping leaf cuticle, wood, and parenchyma into "palynofauna".

The use of the term "palynodebris" is very misleading, because it suggests broken up pollen, but is being used to include many diverse biological entities.

I think that a better approach would be to look at different modern depositional environments that might be analogs of the fossil ones, and determine what processes are altering the biological components that are part of the environment.

I'm sorry to be so critical. I've written comments on the manuscript which might be of some help to the author.

Best wishes to you and Betty.

Sincerely,

Grace
Grace S. Brush

THE PENNSYLVANIA STATE UNIVERSITY
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(814)863-3419

25 September, 1989

Dr. Grace Brush
Dept. of Geography & Envir. Engineering
Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

Good to talk to you!

Here's the Boulter MS--he said that it's a "preliminary MS"--he wanted to hear a referee's comments before revision.

I hope under the circumstances you can let me have your comments as soon as possible. Instructions for reviewers are enclosed.

All the best.

AT/et
encl: Boulter MS & instruction sheet

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24 June, 1988

Dr. Grace Brush
Dept. of Geography & Environmental Engineering
Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

What you sent was fine--and very welcome. The first one to come
in in this second go-round.

Best.

Yours very truly,

Alfred Traverse

AT/et



THE JOHNS HOPKINS UNIVERSITY • BALTIMORE, MARYLAND 21218

THE DEPARTMENT OF GEOGRAPHY
AND ENVIRONMENTAL ENGINEERING

May 12, 1988

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

Dear Al:

I am very much in favor of your proposal to publish a series of longer papers on palynomorph sedimentation, and would like to contribute to such a volume (possibly with Lucien). We've been thinking about the resuspension problem. I presume then that the Brisbane paper would not be published in the Proceedings.

I also received your notification of presiding at one of the sessions, and shall be glad to do so.

Looking forward to Brisbane, and with best wishes.

Sincerely,

Grace

Grace Brush

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

25 May, 1987

Dr. Grace Brush
Dept. of Geography & Environmental Engineering
Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

Many thanks for yours of 12 May, and the good news that you (possibly with Lucien) will produce a chapter for the volume I am planning. I am really counting on that and will be in touch further--including seeing you in Brisbane, of course. It would be very helpful just now if you could slap together a sort of abstract of what you would put in the chapter, as Columbia U. Press is pressing me for such.

The chapter for the sedimentation volume would give you a chance to expand considerably on the basic ideas, and I don't see any problem in the fact that some of the data would appear also in ZIPC Proceedings, or elsewhere. Indeed, I plan personally to do just as I've described.

All the best. And thanks again!

Yours very truly,

Alfred Traverse

AT/et

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

9 May, 1987

Dr. Grace Brush
Dept. of Geography & Environmental Engineering
Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

You will recall that at the time of the organization of symposium 12 for IPC-Brisbane I suggested that it is a good idea to get your platform MS ready for publication in the Proceedings (Elizabeth Truswell is the editor). That would perforce be a rather short paper, in keeping with the scope of a 20-minute talk, plus illustrations.

However, I have been negotiating with Columbia University Press to publish a volume on palynomorph sedimentation, in which would appear longer contributions on the subject by some of the symposium participants plus some others (such as David Batten) who are not participating.

I consider that a must for this volume is a Brush (or Brush & Brush!) chapter enlarging on your Brisbane paper, but preferably summarizing and integrating your other work and ideas on sedimentation too. Would you contribute such a chapter? What I need urgently at the moment is just a yes/no, so that I can evaluate whether the project would fly.

All the best.

Yours very truly,

Alfred Traverse

AT/et



THE JOHNS HOPKINS UNIVERSITY • BALTIMORE, MARYLAND 21218

THE DEPARTMENT OF GEOGRAPHY
AND ENVIRONMENTAL ENGINEERING

November 5, 1987

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

Dear Al:

I received your letter today and I apologize for not enclosing a note of thanks with the Shell report. As soon as I returned to Baltimore, I discovered that I had to move lock, stock and barrel into a trailer -- everything -- my laboratory, all samples, my whole professional baggage. I have just finished unpacking and sorting everything. And now that it is over, it was a good thing, because for at least a short while I will be able to find things. And the trailer has a fully equipped laboratory.

I appreciate very much your invitation to prepare a paper for the Brisbane meeting. I'm pretty sure I will be able to do so, but will respond definitely one way or the other by the middle of November. I want to get my thoughts in order again. This move has really been traumatic. The reason for the move is that Ames Hall, where I was housed, is being completely renovated. I will end up with terrific facilities when it is all finished -- in about 18 months -- which also means moving again.

We had an interesting field trip to Joggins and to the dinosaur locality on Saturday following the meetings. However, we didn't see many dinosaur bones. We did not have a lot of time to look, because the tide began to come in, and the organizers didn't want us all stranded out there for several hours. After that I spent a few days longer with my family-- we travelled through the province along the shore - to places I haven't seen since I was a child. The weather was magnificent. Then I visited the University of Rhode Island School of Oceanography briefly.

I haven't had a chance to read the Shell report yet, but I am anxious to see what you have in it. I shall be back in touch with you shortly.

Sincerely

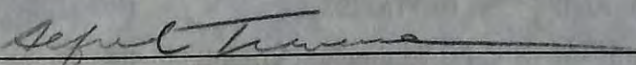
Grace
Grace Brush

PROPOSAL NO. EAR-8517613	INSTITUTION Johns Hopkins University	PLEASE RETURN BY 09/06/85
PRINCIPAL INVESTIGATOR Grace S. Brush		NSF PROGRAM STRATIGRAPHY & PALEONTOLOGY
TITLE The Stratigraphic Record of Climatic Change and Forest Dynamics During the Past 4000 to 5000 Years in the Middle Atlantic Region, U.S.A.		

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

I sympathize with Grace Brush, because she is responding to apparent "marketplace" demands, and yet I deprecate the trend that leads us to a 50-page (mostly single-spaced) proposal. I sympathize because I know from my own efforts that less detailed, rather uncomplicated proposals are faulted by peer-reviewers and panels as "simplistic", "not showing detailed plans of the PI", etc. Dr. Brush is a well-known and highly regarded scientist, who with her students and associates does good and interesting work and does it mostly on a shoestring. Johns Hopkins has the necessary ancillary facilities. I am sure that Dr. Brush's lab will generate significant and useful information from this study, and it is therefore worth supporting. I would have been much happier, however, about my review process with a much shorter, more succinct statement of the background and a tighter description of exactly what will be done, instead of the welter of 9 tables and diagrams, etc. The proposal as written is too long and too diffuse. There are far too many miscellaneous diagrams. On the other hand, some things are too lightly passed over. On p. 22, some mention of fairly sophisticated mathematical procedures is made, in a name-dropping sort of way, with insufficient explanation for the reader to evaluate: references to one of the many graphs and tables included would have been helpful, if it illustrates the point. However, I believe past performance and productivity of the PI are far more important than the actual document which the proposal constitutes. The budget is certainly very modest.

OVERALL RATING: EXCELLENT VERY GOOD GOOD FAIR POOR

REVIEWER'S SIGNATURE 	REVIEWER'S NAME (TYPED) Alfred Traverse
OTHER SUGGESTED REVIEWERS (OPTIONAL) Drs. Paul & Hazel Delcourt Dept. of Geological Sciences (Paul) Dept. of Botany (Hazel) The University of Tennessee Knoxville, TN 37996-1410	Dr. Alfred Traverse Department of Geosciences Pennsylvania State University
REVIEWER'S COPY	



THE JOHNS HOPKINS UNIVERSITY
BALTIMORE, MARYLAND 21218

THE DEPARTMENT OF GEOGRAPHY
AND ENVIRONMENTAL ENGINEERING

Feb 25/85

Dear Al,

Thank you very much for
the copies of the Brandon lignite
paper and also for the sample.

I can tell you your textbook
will be greatly appreciated when
it becomes available.

Regards,

Grace

Brush

12 December, 1984

Dr. Grace Brush
Dept. Geography & Environmental Engineering
The Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

Many thanks for the reprints--WOW! 1984 was a big year for you. Really, we ought to be limited to one paper/year to keep bibliographies straight. I will file but not quote your data on metallic ions in C.B.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Nov 84



THE JOHNS HOPKINS UNIVERSITY
BALTIMORE, MARYLAND 21218

THE DEPARTMENT OF GEOGRAPHY
AND ENVIRONMENTAL ENGINEERING

Dear Al:

Enclosed is a copy of my figure
for your information only, now.

I am preparing a paper for
publication and this will be
part of it, so I don't want
it disseminated too widely before
then.

I'm going to call you
sometime soon and ask if
I might borrow some material
from you for a course in
Palynology, which I will be
giving at the Univ. of Delaware

in the spring semester 1985.

I thought the DC meeting was particularly good, and am sorry to have messed your students' paper.

Enclosed also are some recent reprints.

Best wishes

Grace

Brush

19 November, 1984

Dr. Grace S. Brush
Dept. Geography & Environ. Eng.
The Johns Hopkins University
Baltimore, MD 21218

Dear Grace:

Your paper at DC meeting was good info! Could I have a xerox copy of the chart showing charcoal and metals as high as at present many hundreds of years ago?

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

May 15, 1972

Dr. Grace S. Brush
Department of Geography &
Environmental Engineering
Johns Hopkins University
Baltimore, Maryland 21218

Dear Grace:

I am enclosing the application form for membership in the AASP which you requested. It should be sent directly to Bob Clarke (Dr. Robert T. Clarke, Mobil Oil Corporation, 1001 Howard Avenue, New Orleans, Louisiana, 70113). I do believe that your membership in this group will enhance your professional standing and keep you better informed of what's going on professionally in palynology.

Best wishes as always.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi
Enclosure: AASP application form
cc Robert Clarke

NATIONAL SCIENCE FOUNDATION
PROPOSAL RATING SHEET

Reviewer

Alfred Traverse
Department of Geology & Geophysics
Pennsylvania State University
University Park, Pa. 16802
Comments (Continue on additional sheet if necessary)

Proposal No.: B021253 *G. Brush*
Investigator: J.R. Schubel
Institution: Johns Hopkins Univ.
Please return to: General Ecology
if possible by: 4 APR 1970

*

This is a cogent, well written proposal. I am well acquainted with the work of Dr. Brush, am persuaded that the research would be capably performed, and that the results could well be a valuable contribution to our understanding of pollen sedimentation, a subject dear to my heart! The design of the study seems fine, although I would use a different method to concentrate the palynomorphs from water. I look forward very much to hearing what Brush and her associates get out of the samples.

It is evident to me that Dr. Brush wrote t his proposal, and that the bulk of the work would perforce be hers. I found myself wondering therefore why she is not listed first in the proposal and, for that matter, why Dr. Pritchard is listed at all. Clues to the situation are apparently afforded by the budget. It is evident that a primary purpose of the proposal is to fund a position at Hopkins for Dr. Brush, which position apparently does not otherwise exist. I don't see anything wrong with this fact but am calling attention to it because I wonder if that is related to the fact that no graduate students apparently associated with the project, which seems unfortunate to me. Lastly, I am truly amazed that a (competent?) technician can really be hired in 1970 for \$5400 per annum.

OVERALL RATING

- EXCELLENT
 VERY GOOD
 GOOD
 FAIR
 POOR

Signature of Reviewer:

Other suggested reviewers (optional):

Alfred Traverse

Edmund Stanley

Date:

*
2 April, 1970
(Whew!)

February 28, 1968

Dr. Grace Brush
Department of Geology
Princeton University
Princeton, New Jersey 08540

Dear Grace:

Enjoyed hearing from you again--came on Valentine's Day and I took it to be a Val. greeting at first--oh, well, dreams are fun!

The forms you sent me to identify are certainly not especially memorable or distinctive! I suppose you have used the literature: Stanley's monograph on Paleocene of S. Dak., for example? The bags with a pore (if it is a pore) are probably in the general vicinity of *Taxodiaceae*--just which form-genus would be appropriate would be a taxonomic problem. I can't be sure whether one of the "bags" is trilete--it otherwise looks a good deal like the others? The little tricolpate thing rings a bell only insofar as I have seen many such things in the early Tertiary--I guess to hang a form-generic name on it wouldn't help you much. Once again--check Stanley (Bull. Amer. Paleont. 49-1965) and perhaps you should borrow Charlie Trotter's thesis on Paleocene ("Palyno-Botanical and Stratigraphic Studies of Three Lignite Drill Cores (Paleocene) From Harding County, South Dakota", 1963). The bibliographies of these things will put you onto other papers you should see.

I do not have much confidence about referring Paleocene things to modern genera!

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

Enclosure: photos returned

Come
14-II-68

Dept. Geology
Princeton Univ.

Dear Al:

Could you help us out? Glenn
Jepsen and I have a student
who is doing his Senior thesis on
the Polcat Bench fm (Paleocene)
and among many identifiable
grains, he has turned up alot
of the enclosed types. My un-
familiarity w the Tertiary

doesn't allow me to do
much w these, and I wonder
if you could give us some
direction in keying them
down - if indeed anything
can be made of them -
Just write on the back of
the pictures -

Many thanks + best
wishes,
Grace Bush

PROPOSAL NO. EAR-8707410	INSTITUTION Johns Hopkins University	PLEASE RETURN BY 03/09/87
PRINCIPAL INVESTIGATOR Lucien M. Brush		NSF PROGRAM SURFICIAL PROCESSES
TITLE The Use of Pollen Grains for Studying the Hydrodynamic Behavior of Resuspended Sediment in an Estuary		

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 to support a potentially very interesting study of pollen as a hydrodynamic indicator in the Potomac estuary. I have a sneaking suspicion that the proposers are quite wrong about their basic conviction that the pollen they will study is "... introduced into the depositional site primarily from the atmosphere....," but their study will presumably help show whether that presupposition is true or not, among other things. The Brushes seem rather overconfident that they have most of the answers about pollen transport already in hand. The proposal should perhaps recognize that there is more pertinence to the existing literature outside of the Johns Hopkins lab. Nevertheless, this work is significant and should certainly go forward.

The proposal document itself is a rather odd hodge-podge: 1) On p. 4 we have "IIIe," with no I, II, IIIa-d. The source of this material is not clear, though it evidently is supposed to be a summary of previously (supported?) work--the reader is left to figure just what it is. 2) On p. 6 we have Table 2, without having seen Table 1 ("Table 2" incidentally has under 1200-1800 A.D.: "river in Ericaceae," which I still haven't figured out, and there are a number of other such boo-boos in the proposal). 3) The description of the proposed research begins on p. 10 with too little explanation that this now, is actually it. The previous results and the proposal work are blended in this proposal-proper, to a disconcerting degree. 4) The reader does not know exactly where the Brushes will do their sampling until p. 18, and even then only in a very general way (no map). The reader is supposed to understand what the Ridgeley Warfield is and that he needs to go to p. 44 to get even the name. No details at all of how the cruises were arranged are provided. Apparently, the whole sampling business will somehow be gratis, as absolutely no reflection of it is to be found in the budget. Why not explain this in a sentence or so? For that matter, why not take the trouble to proofread the proposal carefully.

Please include, in a separate paragraph(s), comments on the quality of the prior work described in the "Results from Prior NSF Support" section.

The budget itself is otherwise unremarkable, except for the whacking salary amounts for these two closely associated PIs: \$ something like \$35,000 (including fringe benefits) is almost 50% of all the direct costs! With so many investigators needing \$\$ for basic chemicals and attendance at a meeting or two, this seems hard to justify, but that is for NSF to determine. The report of previous research is well written and cogent, and the research described was important to do, and well done.

OVERALL RATING: EXCELLENT VERY GOOD GOOD FAIR POOR

REVIEWER'S SIGNATURE
Alfred Traverse

REVIEWER'S NAME (TYPED)

Alfred Traverse

OTHER SUGGESTED REVIEWERS (OPTIONAL)

Dr. Alfred Traverse
Department of Geosciences
Pennsylvania State University

REVIEWER'S COPY