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

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

From: Pamela Gore <pgore@dekalb.dc.peachnet.edu>
Subject: Re: contact
To: traverse@ems.psu.edu (Alfred Traverse)
Date: Tue, 26 Nov 1996 16:33:24 -0500 (EST)
Cc: pgore@dekalb.dc.peachnet.edu (Pamela Gore)

Alfred:

Good to hear from you. I am busy with technology applicaitons to teaching, as you saw in my abstract, but also work on Modified Mercalli Intensity studies of small Piedmont earthquakes that we occasionally experience here in Georgia, as well as collaborating with Carol de Wet on some of her research on Newark carbonates (recent abstract at meeting in Connect. in Nov. 96).

I am doing pretty well, and have a little girl who turns five next week. She likes rocks too, and helps me look for fossils on field trips. My husband, Tom, watches here from when school lets out (pre-Kindergarten) until I get home around 6:30.

I am keeping busy, as usual, and am delighted to hear that you are doing well. Have a great Thanksgiving and Christmas.

Pam

>
> Dear Pam:
>
> Though I seldom attend GSA, I always read the abstracts carefully, and of
> course saw yours on p. A-326 of the current volume.
>
> It would be nice to hear from you, with news about how you're doing, what
> you're doing, etc.
>
> I became officially emeritus in June of 1995, but I am still as active as
> ever in research and apparently in good physical shape too. The retirement
> deal included assurance that I could keep my lab and office until at least
> Jan., 1999. But I am losing the microscopy lab, in which I housed samples I
> am still keeping. In relocating them, just this week, I handled a bunch of
> Pam Gore samples from Virginia and North Carolina.
>
> Are you now doing anything that has a possible palynological twist?
>
> All the best to you. Happy Holidays. Al.
> Alfred Traverse
> Palynological Laboratories
> Department of Geosciences
> 435 Deike Building, PSU
> University Park, PA 16802
> Ph.: 814-863-3419
> Fax: 814-863-7823
>
>

Hunt Institute for Botanical Documentation

asaonesp.

V. Wheeless → (= Judith Wheeless, husband: Thomas)

Dr. Pamela Gore
Department of Geology
Emory University Dekalb College
Atlanta, GA 30322

404/~~329~~ 727 - 6491 → gen. off
" / 727-0120 → gen off.
home 404-377-2229
Mother's home 301-422-7476

Home:
120 Mockingbird Lane
Decatur, GA
30030

24, 25, 46, 47, 43

Hunt Institute for Botanical Documentation

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

13 March, 1989

Dr. Dale Wampler
Acting Dean of Academic Affairs
Juniata College
Huntingdon, PA 16652

Dear Dr. Wampler:

Dr. Pamela J. W. Gore of Emory University has written me that she has applied for the position that has opened up at Juniata because of Pete Trexler's impending retirement. I am writing you because I know Pam Gore very well from several cooperative research projects, and I would like to recommend her to you most enthusiastically.

As you perhaps know, Emory, for reasons many of us find puzzling, is eliminating geology from its program. Dr. Gore, who has done an outstanding job there, is caught in the unfortunate crossfire of the situation. She is a fine teacher, popular with students and concerned about their welfare, a good spokesperson for science generally, for women in science, and for geology in particular. One of your recent geology graduates (I believe her name was Remmick--ask Pete to be certain) went from Juniata to Emory to work with Dr. Gore in their graduate program. I am sure that this Juniata alum would testify that Dr. Gore is a marvellous role-model for young women in science and a hard-working teacher.

Pam Gore has been recognized in Atlanta for her undergraduate teaching, but also for her research. She is a fully qualified field geologist in a state where such people are rigorously tested and licensed. She has spoken at many national and regional meetings and has published widely (jointly with me in the Journal of Paleontology, for example), especially for a person of her age and other commitments.

Pam and her husband (who will have no difficulty finding employment in the area) would fit in well in Huntingdon. They are both very down-to-earth, friendly, unassuming people. I would epxpect Dr. Gore to spend her summers in geological field work in the general area and would predict that she will do publishable research as a result of the summer work that will reflect well on your college, and will be favorably reviewed both locally and beyond our area.

Hunt Institute for Botanical Documentation

In sum, it is hard to imagine that you will get a person for this job who would do so much for the Juniata community and its undergraduate students, whose problems Pam would sympathetically understand.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

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13 March, 1989

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

Dear Pamela:

Got yours of 28 February the other day. Have fired off a very strong letter to Juniata. I hope you get it. If you did, I am sure that your husband could catch on in the area (this is becoming a mini-Silicon Valley).

All the best, as always.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/727-6491

February 28, 1989

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

Dear Alfred:

I hope thing are going well with you this semester. I am writing to ask if you would please write a letter of reference for me for the position at Juniata College. I thank you for bringing the opening to my attention, and appreciate your mentioning my name to Dr. Trexler.

As you know, the position is in the field of paleontology/ biostratigraphy, and perhaps some of my work on the invertebrates and paleoecology of the Newark would work well along these lines, although I am probably more of a sedimentologist than paleontologist. I received a PhD with distinction in paleontology, stratigraphy, and sedimentology, and have taught both invertebrate paleontology and paleoecology. I am sure that I could handle the position, and it would make it a lot easier for us to continue our joint research.

Could you please send the letter to:

Dr. Dale Wampler
Acting Dean of Academic Affairs
Juniata College
Huntingdon, PA 16652

Thank you for your help. I really appreciate it.

Sincerely,

Pamela

Pamela J. W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation

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28 December, 1988

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

Dear Pamela:

Juniata College, a very high quality liberal arts college near here, is looking for an invertebrate paleontologist/ stratigrapher etc. person. I nominated you. I suspect Tom could catch on in the area (Penn State, many consulting firms, industrial complexes, etc.) if you got the job.

All the best.

Yours very truly,

Alfred Traverse

AT/et

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6 July, 1988

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

Dear Pamela:

Here's the ("small piece o.k.") lump of DCS-2 (full of Patinasporites) from Midland fish bed.

All the best.

Yours very truly,

Alfred Traverse

AT/et
encl: 16 gm Triassic rock

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28 March, 1988

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

Dear Pamela:

The letter to Albany went out right away. Hope you get the job, though I'd rather see you at a university.

Best as always.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

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25 March, 1988

Dr. Robert Fakundiny
New York State Geological Survey
3136 Cultural Education Center
Albany, NY 12230

Dear Dr. Fakundiny:

Dr. Pamela J.W. Gore, at present Assistant Professor of Geology at Emory University, has asked me to write you in support of her application for a position in your facility.

I have known Dr. Gore for about five years, mostly in connection with our mutual interest in the sedimentology and paleontology of the Triassic/Jurassic Newark basins of eastern North America. She is already, despite her youth, a recognized authority in this area, as witness her editorship of the "Friends of the Newark" newsletter, and such activities as the very successful Deep River Basin (NC) field trip she organized for S.E.P.M. (I was a co-author of the guidebook.) She is a perceptive and capable field geologist who has earned and deserves her accreditation in Georgia as "professional geologist". Dr. Gore and I have co-authored a paper in the Journal of Paleontology on our joint sedimentological/palynological work in the Newark Culpeper Basin.

Dr. Gore is extremely hard-working and innovative, is a fine communicator and all in all would be a great asset to your work.

In brief, I recommend Pamela Gore to you without reservation.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

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14 March, 1988

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

Dear Pamela:

Your letter really shocked me. Academia is the only source of employment where one will not be kept on, if doing a good job, when somebody is needed to do the work. If a grocery store has checkout persons who are doing a good job, they are assured of a job as long as there is such a job. They won't be fired because they've been around too long. Naturally, I'll write a super recommendation for you for whatever you turn up.

I don't know too much about NY State Geol. Survey, but what little I know is good, and Albany has many attractions--the State Museum is a dandy. Of course, I'd rather see you in an academic position. My recent Ph.D., M.B. Farley, is also looking for a sed-paleo job. There's such a job at Alfred University you should immediately look into.

Yes, I am working on two more samples from Midland Fish Bed--it's maybe a little too early to pull the story together palynologically. More about that soon.

Thanks for the reprint from Paleo . I'll also respond to that later--looks good!

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/727-6491

March 7, 1988

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

Dear Alfred:

I hope things are going better for you than they were when I last talked with you. I received the pollen data and the slides, and am trying to make some sense out of the Midland fish-bed. Do you still have a couple of samples to analyze for me? I think so. We now have mineralogy, sedimentary structures and fabrics, macrofossil distribution (Nick McDonald is helping to identify the fish), organic geochemistry, and are awaiting results of inorganic geochemical analyses.

I have recently learned from our administration that I will not be allowed to come up for tenure next September, as I had planned. Only the 100-level Geology courses will be offered after August 1989, so the administration does not want any additional tenured or tenure-track people around. The search for employment has been renewed with vigour, although I still have a year and a half to wrap up my research projects here. Do you still have a letter of recommendation for me on a wordprocessor somewhere? I would appreciate it if you would be willing to serve as a reference for me.

In the meantime, I have an interview with the NY State Geol. Survey in Albany later this month. Can you tell me anything (good or bad) about them?

Thanks for your help.

Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation

NATIONAL SCIENCE FOUNDATION

PROPOSAL EVALUATION FORM

NSF Form 1 (4/84)
Supersedes All Previous Editions

PROPOSAL NO.	INSTITUTION	PLEASE RETURN BY
EAR-8722919	Emory University	02/25/88

PRINCIPAL INVESTIGATOR	NSF PROGRAM
Pamela J. Gore	STRATIGRAPHY & PALEONTOLO

TITLE: ROW: Comparison of Open- and Closed-Basin Lacustrine Deposition, Southern Newark Supergroup, Eastern USA

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

Dr. Pamela Gore has been making some very good contributions to the growing subject of the origin and meaning of the sediments of the Newark Supergroup basins. She has specialized in the lake sediments of the southern basins and now is investigating especially the evidence for cyclicity of both climatic and sedimentological factors. It might seem that the present document proposes somewhat too much, but Dr. Gore has shown me that she can and does keep a number of diverse aspects of a project going. She is a very good research manager. Funding of Gore's work will stimulate the whole area of the Newark basins work because her research is tied in with that of a number of other laboratories.

There does not seem to be any prior NSF support to evaluate.

OVERALL RATING: [X] EXCELLENT [ ] VERY GOOD [ ] GOOD [ ] FAIR [ ] POOR

REVIEWER'S SIGNATURE

Alfred Traverse

REVIEWER'S NAME (TYPED)

Dr. Alfred Traverse
Department of Geosciences
Pennsylvania State University

OTHER SUGGESTED REVIEWERS (OPTIONAL)

REVIEWER'S COPY

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/727-6491

August 7, 1987

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

Dear Alfred:

I hope you are having a good summer. I am currently writing a grant proposal for National Science Foundation requesting support for my research on the sedimentology and paleoclimatology of Triassic-Jurassic lacustrine deposits in Virginia and North Carolina. This is primarily to be used for research on the Midland fish bed (Culpeper Basin) and the black shale sequences in cores of the Cumnock Formation (Deep River Basin). I have a graduate student working with me on both of these units.

I hope that we can continue our joint research, and would like to include your name in my proposal as a collaborator. I will be requesting funds to cover palynological, mineralogical, geochemical, and stable isotope analyses. I anticipate that Texaco will continue its interest in analyzing the organic geochemistry of these samples.

NSF has just revised its brochure on grants for research and education in science and engineering. They now require that "any substantial collaboration with individuals not referred to in the budget should be described and documented with a letter from each collaborator".

I would like to ask you to please write a brief letter addressed to the National Science Foundation, and send it to me to enclose with my proposal. The letter should state something about continuing with our collaborative research, and that you are aware that your name is to be included in the proposal for future collaboration, if the grant is awarded. I would like to receive this letter from you within the next week, if possible.

Thank you for your help. I look forward to our continued work on the Newark lakes.

Sincerely,

Pamela

Pamela J. W. Gore, Ph.D.
Assistant Professor

PJWG:ccb

PS- I enjoyed your article in Science and noticed the extension of the Deep River basin into Ladinian! May I have a reprint? Thank you.
How was your trip?

Hunt Institute for Botanical Documentation

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435 Deike Building
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(814)863-3419 or (814)865-6393

22 August, 1987

file Gore

Division of Earth Sciences
National Science Foundation
1800 G St.
Washington, DC 20550

Dear Friends:

This letter is to substantiate the fact that for some years I have been working cooperatively with Dr. Pamela J.W. Gore, of Emory University, in investigations of the sediments of the Triassic/Jurassic "Newark" basins of Virginia and North Carolina. Dr. Gore is expert on the sedimentology and invertebrate animal paleontology of these rocks, and I have worked for two decades on the spores/pollen thereof. Dr. Gore and I have already cooperated on study of rocks of the Culpeper and Deep River basins, and we hope to continue such research in the future.

This research has already resulted in two publications:

Traverse, A. 1986. Palynology of the Deep River Basin, North Carolina. In: Depositional framework of a Triassic rift basin: the Durham and Sanford sub-basins of the Deep River Basin, North Carolina, P.J.W. Gore (ed.). Soc. Econ. Paleontol. & Mineralog. 3rd annual midyear mtg., Field Trip #3, 12-17.

Gore, P.J.W. & A. Traverse 1986. Triassic Notostracans in the Newark Supergroup, Culpeper Basin, northern Virginia. J. Paleont. 60:5, 1086-1096.

It has also contributed greatly to my work published earlier this year in Science (1987, vol. 236, pp. 1469-1472). This is precisely the sort of investigation for which palynology is best adapted--not as a lone operator, but as an adjunct tool applied by a professional palynologist working in close collaboration with a sedimentologist/geologist. I am hopeful that I will also eventually get funding to continue my two decades of Triassic/Jurassic work. In the meantime, assistance on a contract basis from Dr. Gore's project permits me to fund materials, labor, and other research costs for this important work.

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Naturally, I am eager to discuss this matter with anybody interested, should the above explanation be considered too brief.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

THE UNIVERSITY OF MANITOBA

DEPARTMENT OF GEOLOGICAL SCIENCES

240 Wallace Building
Winnipeg, Manitoba
Canada R3T 2N2

June 18, 1987

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

Dear Professor Traverse:

Thank you for your letter of reference for Dr. Pamela Gore. Your careful assessment of the candidate will be valuable to us during our selection process.

Yours sincerely,

D. H. Hall

D. H. Hall,
Professor of Geophysics & Head,m
Dept. of Geological Sciences.

DHH/sk

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University Park, PA 16802
(814)863-3419 or (814)865-6393

15 June, 1987

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

Dear Pamela:

Letter to Manitoba is off--however, mail to Canada is very slow. You might wish to phone them to tell them to wait a few days for my letter before giving up.

All the best.

Yours very truly,

Alfred Traverse

AT/et

Hunt Institute for Botanical Documentation

Gore

THE PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF GEOSCIENCES
PALYNOLOGICAL LABORATORIES
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(814)863-3419 or (814)865-6393

12 June, 1987

Chairperson, Search Committee
Department of Geological Sciences
The University of Manitoba
Winnipeg, Canada R3T 2N2

Dear Friend:

Dr. Pamela J.W. Gore, at present Assistant Professor of Geology at Emory University, has asked me to write you in support of her application for a position in your department.

As you may know, the Department of Geology at Emory is threatened with dissolution, which explains Pamela's desire to move elsewhere. I have recently written a very strong letter of recommendation for her to Emory, in connection with her promotion and tenure, consideration for which is due this year, despite the concomitant threat of geology being abolished there!

Dr. Gore is a really excellent scientist, and I am hopeful that Emory will not drop either geology or her! Nevertheless, Emory's loss could be Manitoba's gain, as I am sure she would give strong consideration at this time to an offer from your institution.

I have known Dr. Gore for about five years, mostly in connection with our mutual interest in the sedimentology and paleontology of the Triassic/Jurassic Newark basins of eastern North America. She is already, despite her youth, a recognized authority in this area, as witness her editorship of the "Friends of the Newark" newsletter, and such activities as the very successful Deep River Basin (NC) field trip she organized for S.E.P.M. (I was a co-author of the guidebook.) She is a perceptive and capable field geologist who has earned and deserves her accreditation in Georgia as "professional geologist". Dr. Gore and I have co-authored a paper in the Journal of Paleontology on our joint sedimentological/palynological work in the Newark Culpeper Basin.

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I have no direct knowledge of Pamela's teaching, but I <u>was</u> responsible for a person from this area going to Emory to do graduate work with her, and I hear good reports from that venture. I would judge from her lectures at regional and national meetings, that she would be a clear and well organized lecturer.

In brief, I recommend Pamela Gore to you without reservation.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/727-6491

June 4, 1987

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

Dear Alfred:

No luck yet with the job search. I have just spoken with a lacustrine sedimentologist from the University of Manitoba, and he has urged me to apply for a position that is open there. Could you please send a letter of recommendation for me to the following address?

Chairperson, Search Committee
Department of Geological Sciences
The University of Manitoba
Winnipeg, Canada R3T 2N2

I really appreciate your help. I understand that deliberations are already under way at Manitoba, so I hope that you can find the time to mail the letter in the next few days.

Thank you very much. I'll keep in touch.

Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation

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DEPARTMENT OF GEOSCIENCES
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12 March, 1987

Charles M. Onasch, Search Committee Chairman
Bowling Green State University
Department of Geology
Bowling Green, OH 43403-0218

Dear Dr. Onasch:

Dr. Pamela J.W. Gore, at present Assistant Professor of Geology at Emory University, has asked me to write you in support of her application for a position in your department.

As you may know, the Department of Geology at Emory is threatened with dissolution, which explains Pamela's desire to move elsewhere. I have recently written a very strong letter of recommendation for her to Emory, in connection with her promotion and tenure, consideration for which are due this year, despite the concomitant threat of geology being abolished there!

Dr. Gore is a really excellent scientist, and I am hopeful that Emory will not drop either geology or her! Nevertheless, Emory's loss could be Bowling Green's gain, as I am sure she would give strong consideration at this time to an offer from your institution.

I have known Dr. Gore for about five years, mostly in connection with our mutual interest in the sedimentology and paleontology of the Triassic/Jurassic Newark basins of eastern North America. She is already, despite her youth, a recognized authority in this area, as witness her editorship of the "Friends of the Newark" newsletter, and such activities as the very successful Deep River Basin (NC) field trip she recently organized for S.E.P.M. (I was a co-author of the guidebook.)

Dr. Gore and I have each prepared proposals for our research in the Culpeper Basin, in which I plan to study the palynomorphs from the point of view of stratigraphy and the paleoecology and history of the Culpeper rift lake system. Dr. Gore's Ph.D. research was done on the Culpeper sediments, and I am depending heavily on her expert and exhaustive kmnowledge of the geology of the basin. She is a resourceful and imaginatibve researcher, and I am sure the palynological work will mesh well with her paleontological and sedimentolotigal investigations. We have already co-authored one paper in the Journal of Paleontology on the Culpeper Basin work.

Hunt Institute for Botanical Documentation

I have no direct knowledge of Pamela's teaching, but I was responsible for a person from this area going to Emory to do graduate work with her, and I hear good reports from that venture. I would judge from her lectures at regional and national meetings, that she would be a clear and well organized lecturer.

In brief, I recommend Pamela Gore to you without reservation.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Bowling Green State University

Department of Geology
Bowling Green, Ohio 43403-0218
Telephone (419) 372-2886
Cable: BGSUOH

March 3, 1987

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

Dear Dr. Traverse:

Pamela J. Wheeless Gore has applied for a position in Sedimentary Geology in our department and has given your name as someone who can comment on his qualifications. Your opinion of the candidate's strengths and weaknesses will be of great help to us in our search. We are particularly interested in his potential as a teacher and a researcher. A description of the position is attached.

Sincerely yours,

Charles M. Onasch
Search Committee Chairman

CMO/cm

Hunt Institute for Botanical Documentation

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5 February, 1987

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

Dear Pamela:

I'm spending a reading-day at home, a very rare luxury. Your proposal just popped up--looks good to me. I'd give it an excellent! However, in the same batch of mail is a letter from Bill Orr saying that 140 proposals are in, a new record. They'll only fund about 20, if I understand correctly, so don't hold your breath. But with the woman angle, and the struggling young scientist angle, plus your good vita and a good proposal, you may make it!

All the best.

Yours very truly,

C

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

The Ohio State University

Department of Geology
and Mineralogy
107 Mendenhall Laboratory
125 South Oval Mall
Columbus Ohio, 43210-1398
Phone 614-422-2721
Telex 5106003010

December 30, 1986

file Gore

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

Dear ~~Dr. Traverse:~~ al

This is just a note to acknowledge the receipt of your letter of recommendation on behalf of Dr. Pamela J. W. Gore. I am confident it will be most helpful in our evaluation of the applicants for the sedimentary petrology position in our department.

Sincerely yours,

James W. Collinson
Professor of Geology and
Chairman of the
Sedimentary Petrology Search Committee

JWC/hj

Hunt Institute for Botanical Documentation

Dear Friends:

Dr. Pamela J.W. Gore, at present Assistant Professor of Geology at Emory University, has asked me to write you in support of her application for a position in your department.

As you may know, the Department of Geology at Emory is threatened with dissolution, which explains Pamela's desire to move elsewhere. I have recently written a very strong letter of recommendation for her to Emory, in connection with her promotion and tenure, consideration for which are due in the coming year, despite the concomitant threat of geology being abolished there!

Dr. Gore is a really excellent scientist, and I am hopeful that Emory will not drop either geology or her! Nevertheless, Emory's loss could be West Chester's gain, as I am sure she would give strong consideration at this time to an offer from your institution.

I have known Dr. Gore for about five years, mostly in connection with our mutual interest in the sedimentology and paleontology of the Triassic/Jurassic Newark basins of eastern North America. She is already, despite her youth, a recognized authority in this area, as witness her editorship of the "Friends of the Newark" newsletter, and such activities as the very successful Deep River Basin (NC) field trip she recently organized for S.E.P.M. (I was a co-author of the guidebook.)

Dr. Gore and I are each preparing proposals for our research in the Culpeper Basin, in which I am planning to study the palynomorphs from the point of view of stratigraphy and the paleoecology and history of the Culpeper rift lake system. Dr. Gore's Ph.D. research was done on the Culpeper sediments, and I am depending heavily on her expert and exhaustive knowledge of the geology of the basin. She is a resourceful and imaginative researcher, and I am sure the palynological work will mesh well with her paleontological and sedimentological investigations. We have already co-authored one paper in the Journal of Paleontology on the Culpeper Basin work.

I have no direct knowledge of Pamela's teaching, but I was responsible for a person from this area going to Emory to do graduate work with her, and I hear good reports from that venture. I would judge from her lectures at regional and national meetings, that she would be a clear and well organized lecturer. I also have no direct knowledge of her administrative capability, but I would surmise from her work with Friends of the Newark, and various field trips she has organized, that she could do well as an administrator some day.

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In brief, I recommend Pamela Gore to you without reservation.

Yours very truly,

Gore recommendation, pg. 2

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Sent 22-XII-86 (see computer file ATLET.86)

Here's another geography one must use word processor — perhaps we can get a mailing strip for little band?

Please send letters of recommendation for Pamela Gore to the following schools:

Geology Search (Soft Rock)
Department of Geography and Geology
University of Massachusetts
Amherst, MA 01003

Bruce M. Simonson — Paleontologist position
Chairman
Department of Geology
Oberlin College
Oberlin, Ohio 44074

Robert L. Reuss — Stratigraphy position
Department of Geology
Tufts University
Medford, MA 02155

Search Committee — Sedimentary Petrologist
Department of Geology and Mineralogy
The Ohio State University
125 South Oval Mall
Columbus, Ohio 43210

Larry A. Haskins — Sedimentary Geologist
Chairman
Dept. of Earth and Planetary Sciences
Washington University
St. Louis, MO 63130

Dr. P. Jay Fleisher — Paleontologist position
Chairman
Department of Earth Sciences
State University College
Oneonta, New York 13820

Dr. Madan M. Varman — Stratigraphy, Sedimentology, Environmental Geology
Chairperson, Geology Search Committee
Dept of Physical Sciences
Kutztown University
Kutztown, PA 19530

Bruce M. Loeffler, Chair — Paleontology/ Sedimentology position
Department of Geology
Colorado College
Colorado Springs, CO 80903

Dr. Seymour S. Greenberg — Environmental Geology
Dept of Geology and Astronomy
West Chester University
West Chester, PA 19383

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Emergency

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/727-6491

December 15, 1986

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

Dear Alfred:

How are things with you? How is the grant proposal coming?

We are still waiting to hear the decision on our department. It may be another month before we know anything. In the meantime, I am applying for positions at several other schools. Most of them require me to have letters of recommendation sent before they will consider my application. Would you please send a letter of recommendation for me to the schools on the attached list? Deadlines vary, but if you can get them in the mail by Dec. 31, it will be fine.

Thank you very much.

Sincerely,

Pamela

Pamela J. W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/727-6491

Dec. 18, 1986

Alfred:

Thank you for letting me see your proposal. Also, the comments you made on my proposal arrived today. Both your proposal + comments have given me ideas to revise my proposal.

I noted a few things in pencil - primarily on capitalization consistency of basin names, a few typos, & a few things not in the references. I also added a comment or two on the NC cores, which you may encorporate if you wish.

Thanks very much for your help!

and MERRY CHRISTMAS!

Pamela

Hunt Institute for Botanical Documentation

10 December, 1986

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

Dear Pamela:

Pursuant to the message in your recent phone call, I have re-read your "Proposal...Type G starter grant...Triassic-Jurassic lacustrine environments, eastern North America." In fact, I had used it liberally in what I've done so far about my Triassic-Jurassicpproposal.

I can see the problem the reviewers had, in view of the current philosophy of opinion among reviewers. I got the same sort of criticism about my last Tr-Jr proposal because I mentioned 5-6 basins, as well as subsurface work in TX-AR, field-exploration in still other places, stratigraphy, paleoecology, sedimentological theory, etc. Because my lab has been productive over the years, I used to get away with such a proposal--indeed it seems right to me, as opposed to being very specific. However, it is clear that that doesn't now go.

On p. 2 you should narrow it down to a much more limited objective (even though you know you're going to do other things too). You seem to have five major objectives (and some sub-sets) on p. 2 that could be a much stronger statement if "focussed"--you really are promising to do too much. Similarly, on p. 4-5 even the three basins in three states that you mention is a lot, but you certainly could drop the reference to "other basins." You could then improve the material under "Procedure" by eliminating some of the detail: drop references to kinds of scopes, detail about particular things to be studied. I believe a more concise statement covering the salient features would be about 1/2 so long. You need to list the co-workers who might be involved, but I suspect it could be done more succinctly. Maybe some are peripheral or "down the road" and could be omitted for now? It is hard for a reviewer to believe you can keep so many ducks in a row! In order to accomplish this sort of "focussing," you need to sit down and puzzle out what is the matter that seems critical to you and center in on it. I wouldn't start off with your first sentence on p.]--it's a little too obvious "play to the grandstand." I'd start with sentence #2, and take it from there. I'd also cut out other "pie-in-the-sky" references to the oil that will flow. I believe you can do all this without taking out anything that's essential to your work. The point is to get funded, nicht wahr?!

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Hope this ffunkness doesn't offend, but it wouldn't be helpful to dance around as if on eggs! If I could be additionally helpful, let me know!

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

November 7, 1986

Gore

Alfred:

Here are some of my ideas, etc., r.e. the NSF proposals.

1. See enclosed copy of my proposal to Petroleum Research Fund. This is the sort of work that I will be proposing to do.

2. I have written to the NC Survey for permission to study the cores. This is basically one long core, BMDH D-1 or BMDH 2, which is housed in Raleigh. A log appears in Reinemund (1955, USGS Pro Paper 246). It is basically 900-1000 ft of black shale and associated lithologies. (The reason for the confusion on core numbers is that NC Geo Survey correspondence with me has listed both of these numbers. I believe it is BMDH D-1 from my last look at it. Not sure.)
It will take about a week to hear from them. They won't say anything over the phone without a written proposal in hand. I'll keep after them on this.

3. See my thesis for most of the accessible outcrops in the Culpeper Basin which contain lacustrine sediments. Some of these are no longer available due to cover or construction. But, near Manassas, new outcrops open all of the time. (This is the general area that most of the samples are from). We may be able to study other sections that require about 1-2 miles of walking in each direction through the woods. (Or, there may be private farm roads that go closer, but owners are not conspicuous and gates are locked.)
Then there is the Seneca locality. I have walked a long way along the C & O canal towpath looking for this site, but did not find it. Not sure of exact location.

4. Best place to look at organism succession and sedimentary styles is in the 4 blocks of the Midland fish bed that I got from the Smithsonian. (4 blocks, 1 meter square, and 6-8 inches thick). Plenty of material. Also this site was identified as having an unusual succession of pollen/spores by your earlier work with Shields.
I propose to study in detail the sed structures, shale fabrics, invert paleoecology, and fish paleoecology. (Have a MS student starting on this.)

Other good place to study succession may be my outcrop G-1 (which has various letters appended to it to refer to specific beds). This is one of the three outcrops that contains notostracans. G-1 top I you noted has a very impt florule. Can collect more. G-1 lower I is also productive. G-1 G is same outcrop. Notostracans were in G-1 A.

Another possible outcrop is C-1 (see thesis), but no pollen/spores yet.

Some beds of Waterfall Fm exposed along Interstate 66, but

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exposure is not so good. Other Waterfall Fm exposures are hard to access. (See Hentz 1985, GSA Bull).

Culpeper Quarry is excellent exposure of lake cycles, but is somewhat metamorphosed. Probably no pollen?

5. In NC, look for productive samples in Durham sub-basin, Triangle Brick Quarry and environs (Patty's samples from there).

Best chance is with the core. Even if we can't get access for a complete study, we would be able to take isolated samples. Not sure if they'll let us saw it all lengthwise. Wait & see.

6. I need palynology to solve several problems:
   - paleoclimate
   - plants available in the area (paleoecology)
   - age
   - possibly deposition rate (thickness of strata between seds of various ages)

   Climate is probably the most important thing I need to know in order to determine something about the type of lake. Lakes behave differently in different types of climates, for a broad generalization.

7. I will be looking at shale fabrics (and get Texaco or someone to get info on types of organics and what it means for the depo environment - oxic, anoxic, reducing, methanic, etc).
What do sed structures say about environment? Processes.
Depths.
Invert fauna & paleoecology. (see attached proposal)

Let me know if this is a help, or if you need more information.

Sincerely,

Pamela

Gone

Hunt Institute for Botanical Documentation

21 October, 1986

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

Dear Pamela:

Many thanks for the reprints and yours of 9 October. The field guide reprints did come. Patty R.'s samples are in the course of being processed. I am completing study of the batch of Culpeper samples processed early in the year. I look forward to NSF proposal ideas.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Jill Gore

20 October, 1986

Dr. Eleanor C. Main
Associate Dean, Emory College
Emory University
Atlanta, GA 30322

Dear Dr. Main:

This is in response to yours of 3 Octoberr, and the two large and thorough notebooks of materials supporting the evaluation of Pamela J. W. Gore. (In addition, I had available here a copy of Drr Gore's Ph.D. dissertation).

Pamela Gore is a highly skilled, talented and (perhaps most important) motivated individual who is already a leader in sedimentology/stratigraphy/paleontology, and at the rate she is going will obviously be a top contributor for many years to come. Her studies of the Newark Supergroup basins are in many ways very innovative, as I note reviewers of her proposals have emphasized. It is really hard to believe she has done so much in so few years---field-trips, society activities, books, papers, lecturés, research projects, posters, grad students, etc. She is already recognized as one of the 2-3 leading people in analysis of the Mesozoic basins of North America and is much in demand as field-trip leader, contributor to scholarly volumes, etc. The trip that she and Paul Olsen (Columbia) will lead in 1989 is already attracting attention, and promises to be unforgettable and will bring great credit to Emory. Her editorship of the "Friends of the Newark Newsletter" has brought her attention from all over North America and even in Europe and elsewhere. She is a good organizer, as I can attest from a small part I played in the trip in North Carolina she recently ran as part of the SEPM convention in Releigh. The high opinion that Texaco teologists have of her is earned, as far as I can observe, by her performance in the field, in comparison with others whom they had consulted (including me). The quality of her papers is attested to, among other things, by the reviews she submitted in these notebooks---one reviewer is known well to me as a veritable hatchet-person, and even she was quite complimentary to Dr. Gore. It is remarkable that Pamela has attracted a number of grad students in such a short time--she has worked on it. She almost got one of my undergrads last year, and she did get a student from nearby Juniata College whom I scouted for Dr. Gore. We have people at Penn State who took a decade to do as well, or never have!

Every university of any size has somebody doing what Pamela does, as does every state and the federal geological survey, most oil companies, and

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some other research organizations. That's several thousand persons in North America. Dr. Gore is already in the top 10% of those about her age. I would rate her as on a par with one of the other suchpersons with whom I collaborate (at SUNY-Binghamton) and is more productive than the other one (at Penn State).

Clearly her teaching is exemplary--it's a pity the classes are so small. I can imagine she works very hard at it, as that is her trademark--she's never content to do less than her best. Withal, she is earnest, friendly, helpful, unflappable (in my experience) and wants to please. She is a pleasure to work with. If Pamela were at Penn State (one of the top geoscience programs in the world) there is no question she would get tenure and promotion, probably before the deadline year. I think Emory should be very proud to have her.

I am returning the notebooks under separate cover.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

13 October, 1986

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

Dear Pamela:

The Culpeper sample with (in my opinion) undoubted Karnian flora is from Seneca Cliffs, Maryland, ~~38°46'29"~~ 39°04'05" North; 77°30'28" ~~West~~ 77°21'10". You and I should sample the area.

More soon.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology
Atlanta, Georgia 30322
404/727-6491

Oct. 9, 1986

alfred:

Here are the reprints of the J. Paleo. article. At last! Many thanks for your help.

I look forward to working on the NSF proposal(s) with you.

Did you get the SEPM field guide reprint? + Did Patty Renwick's samples arrive? If not, they are on the way.

Thanks again.

Pamela Gore

Hunt Institute for Botanical Documentation

6 October, 1986

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

Dear Pamela:

Thanks for the field trip guide copy. Nicely done, and a ceal credit to you.

Am madly studying the slides I had made up long ago but never finished working up for your Travspore contract. You have not been a very squeeky wheel! The squeekier ones get done. Sorry.

Let's get cracking on the proposal business. I look forward to getting your brainstorm sheet(s).

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Emory College

Atlanta, Georgia 30322
404/727-6048

October 3, 1986

Alfred Traverse
Department of Geosciences
Palynological Laboratories, Deike Building
Pennsylvania State University
University Park, PN 16802

file

Dear Dr. Traverse:

We very much appreciate your willingness to assist us with the evaluation of the scholarly activities of Professor Pamela Gore who is undergoing a fourth-year pre-tenure review required for all assistant professors at Emory. We are interested in a detailed appraisal of the scholarly contributions of Professors Gore's works that are published, accepted, or submitted for publication. A complete set of these materials is enclosed.

In your evaluation, we wish you to address the overall quality of scholarship, the impact of the scholarship on the field and thereby the visibility of Professor Gore, and finally, the extent to which professional and scholarly growth is evidenced in her more recent works.

It would also be helpful for us to have some idea of the number of scholars working in Professors Gore's specialty, her relative position in this specialty, and how she compares in achievement and promise to outstanding scholars in the same field at a similar stage in their careers.

The evaluation you provide is considered confidential and will be accessible only to Emory faculty responsible for advising the Dean with regard to faculty review and promotion and appropriate administrators.

Please return your evaluation as quickly as is convenient for you, but not later than November 6, 1986. In addition, would you also return the set of scholarly materials. We would be happy to reimburse you for the cost of mailing these materials back to us.

We sincerely appreciate the time and effort you have given to assist us with this very important decision.

Sincerely,

Eleanor C. Main

Eleanor C. Main
Associate Dean of Emory College

ECM/gr
Enclosures (2)

Hunt Institute for Botanical Documentation

Gore file

30 September, 1986

Dr. Eleanor C. Main
Associate Dean, Emory College
Emory University
Atlanta, GA 30322

Dear Dr. Main:

Per yours to me of 16 September, I would most certainly be willing to evaluate Dr. Gore's accomplishments for you. I look forward to receiving the additional documentation you indicated would be forthcoming.

Social Security No.: 354-22-6156.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

P. Gore

EMORY UNIVERSITY
Emory College

Atlanta, Georgia 30322
404/727-6048

September 16, 1986

Dr. Alfred Traverse
Department of Geosciences
Palynological Laboratories
Deike building
Pennsylvania State University
University Park, PN 16802

file
Gore

Dear Dr. Traverse:

Having conferred with Professor Howard Cramer, Chair of the Department of Geology, I write to ask for your help in evaluating the research and scholarship of Professor Pamela Gore, a copy of whose vita I am enclosing. Professor Pamela Gore who joined the Emory faculty in 1983, is now undergoing a fourth year pre-tenure review required for all assistant professors at Emory. The purpose of this review is to determine whether assistant professors do or do not demonstrate promise and growth in their discipline sufficient to make them serious candidates for promotion to associate professor with tenure in their sixth year. As a part of this review, the Department of Geology will evaluate the scholarship, teaching, and service of Professor Gore. In addition, however, we seek candid, disinterested, detailed appraisals from distinguished scholars who are qualified specifically to judge a candidate's achievement and promise in research and scholarship, and it is for this part of the review that I write to ask your help.

Will you please let me know by September 29, 1986 whether or not you will be able to help us in this important way? The evaluation you provide is considered confidential and will be accessible only to Emory faculty responsible for advising the Dean on the promotion of this candidate, appropriate administrators, and the University Board of Trustees. If you agree to complete the evaluation, we will promptly forward copies of Professor Gore's publications. In addition, we will be happy to pay you a $50.00 honorarium for your service. If you are a U.S. citizen, please send us your social security number.

We will be grateful to you for your help with this important decision.

Sincerely,

Eleanor C. Main

Eleanor C. Main
Associate Dean of Emory College

ECM/gr
Enclosure

Hunt Institute for Botanical Documentation

August 1986

PAMELA JEANNE WHEELESS GORE, Curriculum vitae

Social Security Number: 214-70-1993

Address and Telephone Number

Department of Geology
Emory University
Atlanta, Georgia 30322
(404) 727-6491, 727-0120

120 Mockingbird Lane
Decatur, Georgia 30030
(404) 377-2229

Education and Training

The George Washington University, Washington, D.C. (1977 to 1983):

Ph.D. in Geology, September 1983, with distinction in sedimentation, in stratigraphy, and in paleontology. The dissertation is entitled, "Sedimentology and Invertebrate Paleontology of Triassic and Jurassic Lacustrine Deposits, Culpeper Basin, Northern Virginia". The research was partially supported by grants from Sigma Xi, and the George Washington University Chapter of Sigma Xi.
Held a Graduate Teaching Fellowship from 1977 to 1979 and from 1980 to 1983.

M.Phil. in Geology, February 1983.

M.S. in Geology, February 1981. The Masters thesis is entitled, "Stratigraphy and Sedimentology of a Metamorphosed Diamictite, Southeastern Maryland Piedmont".

The Johns Hopkins University, Baltimore Maryland (1979 to 1980):

One year of graduate study in sedimentology in the Department of Earth and Planetary Sciences. Held a Gilman Fellowship.

Wright State University, Dayton, Ohio (summer 1976):

Attended Geology Field Camp in eastern Tennessee.

University of Maryland, College Park, Maryland (1973 to 1977):

B.S. in Geology, May 1977. Held the Fernow Field Scholarship during summer of 1976.

Short Course entitled, "Paleoclimatology and Economic Geology", Society of Economic Paleontologists and Mineralogists Short Course #18, June 1986.

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Experience

Assistant Professor of Geology, Emory University, Atlanta, Georgia: 1983 to present.

Consultant:

Texaco Pathfinding Research, Houston, TX and New Orleans, LA: Mesozoic rift basins and lacustrine sedimentary rocks, summer 1985 - present.

Triangle Brick Company, Durham, NC: Triassic sedimentary rocks suitable for brickmaking in the Deep River Basin, NC: summer 1986 - .

Washington Testing, Inc., Arlington, VA: Metamorphic petrology: 1979.

Research Assistant in paleontology, The George Washington University, Washington, D.C.: 1977 to 1978.

Graduate Teaching Fellow for five years, The George Washington University, Washington, D.C.: 1977 to 1979 and 1980 to 1983.
Head Teaching Assistant for two years.
Developed and wrote lab manuals for Physical Geology, Historical Geology, and Engineering Geology

Museum Technician, Department of Mineral Sciences, Smithsonian Institution, Washington, D.C.: summer 1979.

Graduate Visiting Research Fellow, Department of Mineral Sciences, Smithsonian Institution, Washington, D.C.: summer 1978.

Research Assistant in particulate mineralogy (asbestos fiber characterization using scanning electron microscope, transmission electron microscope, and polarized light microscope), University of Maryland, College Park, Maryland: 1976 to 1977.

Engineering Technician, Federal Junior Fellowship Program, U.S. Department of Agriculture, Agriculture Research Center, Beltsville, Maryland: 1973 to 1977, primarily summers.

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Grants, Fellowships and Honors

$20,000. Research grant, **Texaco, Inc.**, SEDIMENTARY STRUCTURES AND TEXTURES OF LACUSTRINE PETROLEUM SOURCE ROCKS, AND THEIR RELATION TO DEPOSITIONAL ENVIRONMENT AND DIAGENETIC HISTORY (June 1986 - December 1987).

$1000. International travel grant, **U.S. National Committee for the International Geological Correlation Program** to present a paper at the 12th International Sedimentological Congress, Canberra, Australia (August 24-30, 1986).

$300. International travel grant, **International Geological Correlation Program Project 219, Comparative Lacustrine Sedimentology in Space and Time**, to attend International Association of Sedimentologists-IGCP 219 meeting, Canberra, Australia (August 24-30, 1986).

$250. International travel grant, **Society of Economic Paleontologists and Mineralogists** to present a paper at the 12th International Sedimentological Congress, Canberra, Australia (August 24-30, 1986).

$100. Professorial grant, **Society of Economic Paleontologists and Mineralogists** to attend Short Course #18, "Paleoclimatology and Economic Geology" (June 15, 1986).

$10,000. Research Grant, **National Geographic Society**, SEDIMENTOLOGY AND INVERTEBRATE PALEONTOLOGY OF THE TRIASSIC DEEP RIVER BASIN, NC (1985-1986).

$1000. International travel grant, **U.S. National Committee for the International Geological Correlation Program**, to present a paper at joint meeting of IGCP 219 and the Petroleum Group of the Geological Society of London, Royal Academy, Burlington House, London (September 10-11, 1985).

$610. Grant from **Texaco Pathfinding Research** for travel to joint meeting of IGCP 219 and the Petroleum Group of the Geological Society of London, Royal Academy, Burlington House, London (September 10-11, 1985).

$200. Grant from **International Geological Correlation Program Working Group #219** (Lacustrine Sedimentology Through Space and Time) to cover expenses of U.S. Working Group (September 1985).

Hunt Institute for Botanical Documentation

$8000. Research grant, **Emory University Research Committee,** SEDIMENTOLOGY AND INVERTEBRATE PALEONTOLOGY OF THE TRIASSIC DEEP RIVER BASIN, NC (1984-1985).

$2000. **Emory College Summer Faculty Development Award** (1984).

$3636. **Emory University Research Committee Summer Research Grant,** SEDIMENTOLOGY AND INVERTEBRATE PALEONTOLOGY OF THE TRIASSIC DEEP RIVER BASIN, NC (1984).

$250. Research grant, **George Washington University Chapter of Sigma Xi,** TRIASSIC AND JURASSIC LACUSTRINE SEDIMENTATION IN THE CULPEPER BASIN, VA (1982).

$250. Research grant, **Sigma Xi,** Scientific Research Society, New Haven, CT, TRIASSIC AND JURASSIC LACUSTRINE SEDIMENTATION IN THE CULPEPER BASIN, VA (1981).

$150. Research grant, **Sigma Xi,** Scientific Research Society, New Haven, CT, TRIASSIC AND JURASSIC LACUSTRINE SEDIMENTATION IN THE CULPEPER BASIN, VA (1980).

American Men and Women of Science.

Who's Who in the Frontiers of Science and Technology.

Who's Who in the South and Southeast.

Lilly Post-Doctoral Teaching Fellowship (1984-1985).

Gilman Fellowship, Johns Hopkins University (1979-1980).

Smithsonian Graduate Visiting Research Fellowship (1978).

Graduate Teaching Fellowship, George Washington University (1977-1979, 1980-1983).

Federal Junior Fellowship Program (1973-1977).

Phi Beta Kappa.

Phi Kappa Phi.

Sigma Xi.

Dean's List (University of Maryland).

Mortar Board (Women's Scholarship and Leadership Honor Society, 1977).

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Fernow Field Scholarship, University of Maryland (1976).

Who's Who Among Students in American Colleges and Universities (1976-1977).

Professional Affiliations and Activities

Field trip leader, with Paul E. Olsen (Lamont-Doherty Geological Observatory), 10 day trip to the Newark Supergroup, from North Carolina to Nova Scotia, to accompany the International Geological Congress to be held in Washington, D.C. in July 1989.

U.S. Working Group Chairman, International Geological Correlation Program 219 (Comparative lacustrine sedimentology through space and time) (1985-).

Editor, "Friends of the Newark" Newsletter for research activity in Triassic and Jurassic Rift Basins in eastern North America (Newark Supergroup) (1983-).

Field trip leader to the Deep River basin (Durham and Sanford sub-basins), Society of Economic Paleontologists and Mineralogists Midyear Meeting, Raleigh, NC (September 1986).

Paper judge, Society of Economic Paleontologists and Mineralogists Annual Midyear Meeting in Raleigh, NC (September 26-28, 1986).

Co-chairman and organizer of full-day Symposium on "Graben-Fill Sediments", with Thomas C. Johnson (Duke University Marine Laboratory), held at American Association of Petroleum Geologists Meeting (June 18, 1986).

Reception chairman, American Association of Petroleum Geologists Annual Meeting, Atlanta (June 1986).

Poster judge in clastic sedimentology for the Society of Economic Paleontologists and Mineralogists at the American Association of Petroleum Geologists - SEPM Annual Meeting in Atlanta, GA (June 15-18, 1986).

Paper judge for A.I. Levorsen Memorial Award at the American Association of Petroleum Geologists Eastern Section Meeting in Williamsburg, VA (November 10-12, 1985).

Member of:

International Association of Sedimentologists (1985-).

Geological Society of America (1984-).

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American Association of Petroleum Geologists (1985-).

Society of Economic Paleontologists and Mineralogists (1976-).

Society of Economic Paleontologists and Mineralogists, Eastern Section (1977-).

Sedimentology Division of the Geological Society of America (1985-).

Georgia Geological Society (1983-).

Sigma Xi (1982-).

Sigma Gamma Epsilon (National Honorary Society for the Earth Sciences) - Associate member and Alpha Tau chapter advisor (1984-).

American Association of University Professors (1986-).

Paleontological Society of Washington (1982-1985).

Geological Society of Washington (1975-1984).

Geologic Interests

Paleoenvironmental interpretation of sedimentary rocks; facies sequence analysis; lateral facies change.
Sedimentology, stratigraphy, and invertebrate paleontology of Triassic and Jurassic continental sedimentary rocks of the Newark Supergroup, eastern North America.
Lacustrine sedimentology; fluvial sedimentology; non-marine paleoecology; diagenesis of lacustrine shales and carbonate nodules.
Cambrian and Ordovician carbonate rocks, Ordovician and Silurian terrigenous clastic rocks, and depositional environments in the Appalachians; metasedimentary rocks in the Appalachian Piedmont.

Current Research

Depositional environments in Triassic and Jurassic basins in eastern North America. Primary emphasis is on lacustrine (lake) deposits, their depositional and diagenetic history, and the paleoecology of associated on-marine invertebrate fossils. Lacustrine black shales under examination are potential hydrocarbon source rocks (oil shales). The architecture and depositional history of associated fluvial (river) deposits are also examined to better understand the paleogeographic setting. Research thus far has been concentrated in Virginia and North Carolina. The project

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has been funded by research grants from the Emory University Research Committee, the National Geographic Society, and Texaco, Inc.

Graduate Theses and Dissertations Supervised

Omar M. Shewegi (M.S., May 1985), "Depositional history of two sections in the Chickamauga Supergroup (Middle Ordovician), Kensington Quadrangle, northwest Georgia."

Thomas H. Shaw (M.S. December 1986 - in progress), "Conodont biostratigraphy and lithostratigraphy of the Newala Limestone (Lower Ordovician) in the type locality, Shelby County, Alabama."

Debia H. F. McCulloch (M.S. 1987 - in progress), "Petrology of bottom sediments in Gray's Reef National Marine Sanctuary, Georgia Continental Shelf."

E. Lynn Zeigler (M.S. 1987 - in progress), "Sedimentary petrology and depositional environments of the Ordovician and Silurian Red Mountain and Sequatchie Formations in northwest Georgia".

Patricia Renwick (M.S. 1987 - in progress), "Paleoecology of floodplain lakes in the Durham Sub-basin of the Deep River Basin (Late Triassic), North Carolina".

Susan Roberts (M.S. 1988 - in progress).

Campus Activities

Advisory Committee on Budget and Planning (1985-1988).

Chairman, Membership Committee, Phi Beta Kappa (1986-1989).

Phi Beta Kappa Membership Committee (1985-1989).

Human and Natural Ecology Program Committee (1985-).

Poster judge, Fourth Annual Graduate School Colloquium, April 1986.

Organizer for Geology Department Seminar Series (1983-).

Advisor for Emory University Geology Club (1983-).

Advisor for Emory University Alpha Tau Chapter of Sigma Gamma Epsilon (Earth Sciences Honor Society (1984-).

Organized graduate student recruiting program in sedimentology/stratigraphy (1985-).

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Prepared recruiting posters for undergraduate and graduate Geology classes at Emory (1985-).

Educational Policy Committee (1984-1985).

President's Committee on Safety and Security (1985).

Faculty representative for the Geology Department at Career Day (October 9, 1985).

Emory University Human and Natural Ecology Budget Committee (1985).

Lilly Post-doctoral Teaching Fellowship Program (1984-1985).

Screening judge for Third Annual Emory Graduate School Spring Colloquium (April 1985).

Screening judge for Second Annual Emory Graduate School Spring Colloquium (March 1984).

Freshman Advising (1984-1985).

Sophomore Advising (1985-1986).

Reader for Science Bowl, Georgia Junior Academy of Science (January 1984).

Emory Preview Day, Geology Department Faculty Representative (November 1983, 1984).

Recent Scientific Talks

Poster session, "Facies relationships of fluvial and lacustrine deposits, Durham Sub-basin, Deep River Basin, North Carolina", to be presented at the Society of Economic Paleontologists and Mineralogists Annual Midyear Meeting in Raleigh, NC, September 26-28. 1986.

Talk entitled, "Late Triassic lacustrine deposits in the Deep River Basin (Newark Supergroup), North Carolina, U.S.A.", to be presented at the International Association of Sedimentologists-International Geological Correlation Program Project 219 Symposium on Sedimentology of Lacustrine Giants", Canberra, Australia, August 24-31, 1986.

Talk entitled, "Early diagenetic nodules, compaction, and secondary lamination in Early Jurassic lacustrine black shale, Culpeper Basin, Virginia", presented in "SEPM Symposium on Frontiers in lacustrine deposits" at American Association of Petroleum Geologists - Society of Economic Paleontologists and Mineralogists Annual Meeting, Atlanta, GA, June 17, 1986.

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Talk entitled, "Late Triassic lacustrine deposits in the Deep River Basin (Newark Supergroup), North Carolina", presented to Texaco explorationists at a conference on "Basins in the Extensional Regime - Their Formation and Sediment Fill", April 7-10. 1986. Texaco Houston Research Center.

Talk entitled, "Lacustrine sedimentology of the Culpeper Basin, Virginia (Triassic-Jurassic)", presented to the Department of Geology, Auburn University, Alabama on November 21, 1985.

Invited talk given at the American Association of Petroleum Geologists - Eastern Section Meeting, Williamsburg, Virginia, November 12, 1985. "Early Mesozoic lacustrine sedimentation in the Culpeper Basin, VA and in the Deep River Basin, NC: A comparative study".

Talk presented to the Department of Geology, Texas A & M University, November 5, 1985. "The stratigraphy, sedimentology and paleontology of Early Mesozoic rift basins in the eastern U.S.".

Invited talk, "Early Mesozoic lacustrine sequences in the southern part of the Newark Rift System, eastern North America", presented at the joint meeting of the International Geological Correlation Program Working Group 219 and the Petroleum Group of the Geological Society of London, held at the Royal Academy, Burlington House, London, September 10-11, 1985.

Led Texaco fieldtrip to the Deep River Basin, NC and Culpeper Basin, VA, August 19-22, 1985.

Invited talk given to Texaco Pathfinding Research, Houston, Texas, June 18, 1985. "Lacustrine rocks of the Culpeper Basin, Virginia."

Talk, "Triassic floodplain lake in the Chatham Group (Newark Supergroup) of the Durham Sub-basin of the Deep River Basin, N.C.: Comparison to the Culpeper Basin, VA", presented at Southeastern Section Meeting of the Geological Society of America, held in Knoxville, TN. March 20-22, 1985.

Invited talk given at the Symposium on Lacustrine Processes and Sequences at the Northeastern Section meeting of the Geological Society of America, March 13-16, 1985. "Lacustrine sequences of Triassic-Jurassic age in the Culpeper Basin, Virginia."

Talk, "Triassic and Jurassic lacustrine sequences in the Culpeper Basin, northern Virginia", presented at Southeastern Section meeting of the Geological Society of America, Lexington, KY, April 4-6, 1984.

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Invited talk given November 1983 to the Georgia Mineral Society. "Fossils and Mineral Resources of the Triassic basins of eastern North America".

Invited talk, with R.C. Lindholm, given March 1983 at the Symposium on Advances in Paleontology - Newark Supergroup (Early Mesozoic), at the Northeastern Section meeting of the Geological Society of America, Kiamesha Lake, NY. "Paleoecology of Triassic and Jurassic lacustrine deposits in the Culpeper Basin of northern Virginia".

Invited talk given March 1983 at the Symposium on the History of Geology: Evolution of Geologic Concepts in the Northeast, at the Northeastern Section meeting of the Geological Society of America, Kiamesha Lake, NY. "Sedimentologic concepts applied to northern Appalachian Piedmont geology".

Poster session, "Soft-sediment deformation structures and clast lithologies in a metadiamictite, southeast Maryland Piedmont", presented at joint Northeastern-Southeastern Section meeting of the Geological Society of America, Washington, D.C., March 1982.

Publications

Publications in print

Gore, Pamela J.W. and Traverse, Alfred, 1986, Triassic notostracans in the Newark Supergroup: Culpeper Basin, northern Virginia, with a contribution on the palynology: Journal of Paleontology, v. 60, no. 5, p. 1086-1096.

Gore, Pamela J.W., 1986, Sedimentary Structures: Chapter 4, in, Laboratory Manual in Physical Geology, Robert L. Bates (ed.), American Geological Institute, National Association of Geology Teachers, Merrill Publishing Co., Columbus, Ohio, p. 26-35.

Gore, Pamela J.W., 1986, Early diagenetic nodules, compaction and secondary lamination in Early Jurassic lacustrine black shale, Culpeper Basin, Virginia (Abstract): American Association of Petroleum Geologists Bulletin, v. 70, p. 596.

Gore, Pamela J.W., 1986, Late Triassic lacustrine deposits in the Deep River Basin (Newark Supergroup), North Carolina (Abstract): Basins in the Extensional Regime - Their formation and sediment fill, Program for conference presented by Texaco Houston Research Center, April 7-10, 1986.

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Gore, Pamela J.W., 1986, Cover photograph and explanation, American Association of Petroleum Geologists Bulletin, v. 70, no. 5.

Gore, Pamela J.W., 1985, Laboratory Manual for Historical Geology: Quantum Editions, Scottsdale, Arizona. (For Department of Geology, The George Washington University.)

Gore, Pamela J.W., 1985, Early Mesozoic lacustrine sedimentation in the Culpeper Basin, VA and in the Deep River Basin, NC: A comparative study (Abstract): American Association of Petroleum Geologists Bulletin, v. 69, no. 9, p. 1438.

Gore, Pamela J.W., 1985, Early Mesozoic lacustrine sequences in the southern part of the Newark Rift System, eastern North America (Abstract): Programme & Abstracts, Lacustrine Petroleum Source Rocks, p. 35. Invited paper, Joint Meeting of the International Geological Correlation Program Working Group 219 (Comparative lacustrine sedimentology through space and time) and the Geological Society of London, London, September 1985.

Gore, Pamela J.W., 1985, Triassic floodplain lake in the Chatham Group (Newark Supergroup) of the Durham Sub-basin of the Deep River Basin, N.C.: Comparison to the Culpeper Basin, VA (Abstract): Abstracts with Programs, Geological Society of America, v. 17, no. 2, p. 94.

Gore, Pamela J.W., 1985, Lacustrine sequences of Triassic-Jurassic age in the Culpeper Basin, Virgina and Deep River Basin, N.C. (Abstract): Abstracts with Programs, Geological Society of America, v. 17, no. 1, p. 21. Invited paper, Symposium on Lacustrine Processes and Sequences.

Gore, Pamela J.W., 1984, Triassic and Jurassic lacustrine sequences in the Culpeper Basin, northern Virginia (Abstract): Abstracts with Programs, Geological Society of America, v. 16, no. 3, p. 141.

Gore, Pamela J.W., 1984, Sedimentology and Invertebrate Paleontology of Triassic and Jurassic Lacustrine Deposits, Culpeper Basin, Northern Virginia (Abstract): Dissertation Abstracts International, v. 44, no. 10, p. 3018-B. Number DA8401325.

Gore, Pamela J.W., 1983, History of sedimentologic concepts applied to northern Appalachian Piedmont metasediments: Earth Sciences History, v. 2, no. 2, p. 145-155.

Gore, Pamela J.W. and Lindholm, R.C., 1983, Paleoecology of Triassic and Jurassic lacustrine deposits in the Culpeper Basin of northern Virginia (Abstract): Abstracts with Programs, Geological Society of America, v. 15, no. 3, p. 192. Invited paper.

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Gore, Pamela J.W., 1983, Sedimentologic concepts applied to northern Appalachian Piedmont Geology (Abstract): Abstracts with Programs, Geological Society of America, v. 15, no. 3, p. 192.

Gore, Pamela J.W., 1982, Laboratory Manual for Historical Geology: Department of Geology, The George Washington University, Washington, D.C.

Gore, Pamela J.W. and Jonas, Margaret M., 1982, Engineering Geology: Laboratory Manual: Department of Geology, The George Washington University, Washington, D.C.

Gore, P.J., 1982, Soft-sediment deformation structures and clast lithologies in a metadiamictite, southeastern Maryland Piedmont (Abstract): Abstracts with Programs, Geological Society of America, v. 14, no. 1 & 2, p. 21.

Lindholm, R.C., Gore, P.J., and Crowley, J.K., 1982, A lacustrine sequence in the Upper Triassic Bull Run Formation (Culpeper Basin) in northern Virginia (Abstract): Abstracts with Programs, Geological Society of America, v. 14, no. 1 & 2, p. 35.

Stephens, G.C. and Gore, Pamela J., 1981, revised 1983, Laboratory Manual for Physical Geology: Department of Geology, The George Washington University Wasington, D.C., and Department of Geology, Emory University, Atlanta, GA, 81 p.

Publications in press

Gore, Pamela J.W., in press (1986), Lacustrine sequences in an Early Mesozoic rift basin: Culpeper Basin, Virginia, USA: in, Kelts, K., Fleet, A.J., and Talbot, M.R. (eds.), Proceedings of Symposium on Lacustrine Petroleum Source Rocks, Special Publication of the Geological Society of London, Blackwell Publishing Company.

Gore, Pamela J.W., in press (1986), Paleoecology and sedimentology of a Late Triassic lake, Culpeper Basin, Virginia: Paleogeography, Paleoclimatology, Paleoecology, Special issue on "Aspects of freshwater paleoecology and biogeography". Elsevier Scientific Publishing Co.

Gore, Pamela J.W., in press (1987), Paleoecology and sedimentology of a Late Triassic lake, Culpeper Basin, Virginia: Aspects of Freshwater Paleoecology and Biogeography, Elsevier Scientific Publishing Co. (Hardcover book to follow the publication of the article in Paleogeography, Paleoclimatology, Paleoecology).

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Gore, Pamela J.W., in press, August 1986, Late Triassic lacustrine deposits in the Deep River Basin (Newark Supergroup), North Carolina, USA (Abstract): 12th International Sedimentological Congress, Canberra, Australia, August 24-30, 1986.

Gore, Pamela J.W., in press, September 1986, "Facies relationships of fluvial and lacustrine deposits, Durham Sub-basin, Deep River Basin, North Carolina (Abstract): Society of Economic Paleontologists and Mineralogists.

Gore, Pamela J.W. (ed.), in press, September 1986, "Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina", Field guide for Society of Economic Paleontologists and Mineralogists Field trip #3, Third Annual Midyear Meeting, Raleigh, NC, September 26-28, 1986, 61 p.

Gore, Pamela J.W., in press, September 1986, Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina: in, Gore, Pamela J.W. (ed.), "Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina", Field guide for Society of Economic Paleontologists and Mineralogists Field trip #3, Third Annual Midyear Meeting, Raleigh, NC, September 26-28, 1986, p. 2-12.

Gore, Pamela J.W., in press, September 1986, Sedimentology of the Pekin Formation at the Boren pit: in, Gore, Pamela J.W. (ed.), "Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina", Field guide for Society of Economic Paleontologists and Mineralogists Field trip #3, Third Annual Midyear Meeting, Raleigh, NC, September 26-28, 1986, p. 27-28.

Gore, Pamela J.W., in press, September 1986, Pekin and Cumnock Formations at Bethany Church: in, Gore, Pamela J.W. (ed.), "Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina", Field guide for Society of Economic Paleontologists and Mineralogists Field trip #3, Third Annual Midyear Meeting, Raleigh, NC, September 26-28, 1986, p. 32-34.

Gore, Pamela J.W., in press, September 1986, Fluvial and lacustrine rocks of the Sanford Formation: in, Gore, Pamela J.W. (ed.), "Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina", Field guide for Society of Economic Paleontologists and Mineralogists Field trip #3, Third Annual Midyear Meeting, Raleigh, NC, September 26-28, 1986, p. 34-35.

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Gore, Pamela J.W., in press, September 1986, Contact metamorphism in the Cumnock Formation: in, Gore, Pamela J.W. (ed.), "Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina", Field guide for Society of Economic Paleontologists and Mineralogists Field trip #3, Third Annual Midyear Meeting, Raleigh, NC, September 26-28, 1986, p. 35-36.

Gore, Pamela J.W., in press, September 1986, Fluvial and lacustrine strata in the Borden Brick and Tile Quarry: in, Gore, Pamela J.W. (ed.), "Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina", Field guide for Society of Economic Paleontologists and Mineralogists Field trip #3, Third Annual Midyear Meeting, Raleigh, NC, September 26-28, 1986, p. 43-47.

Gore, Pamela J.W., in press, September 1986, Fluvial and lacustrine deposits in the Triangle Brick Quarry: in, Gore, Pamela J.W. (ed.), "Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina", Field guide for Society of Economic Paleontologists and Mineralogists Field trip #3, Third Annual Midyear Meeting, Raleigh, NC, September 26-28, 1986, p. 49-51.

Gore, Pamela J.W., in press, September 1986, Alluvial fan conglomerate at Holleman's Crossroads: in, Gore, Pamela J.W. (ed.), "Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina", Field guide for Society of Economic Paleontologists and Mineralogists Field trip #3, Third Annual Midyear Meeting, Raleigh, NC, September 26-28, 1986, p. 53-54.

Gore, Pamela J.W., in press, September 1986, Triassic limestone and chert: in, Gore, Pamela J.W. (ed.), "Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina", Field guide for Society of Economic Paleontologists and Mineralogists Field trip #3, Third Annual Midyear Meeting, Raleigh, NC, September 26-28, 1986, p. 54.

Gore, Pamela J.W., in press, September 1986, Alluvial fan outcrop east of Morrisville: in, Gore, Pamela J.W. (ed.), "Depositional framework of a Triassic rift basin: The Durham and Sanford sub-basins of the Deep River basin, North Carolina", Field guide for Society of Economic Paleontologists and Mineralogists Field trip #3, Third Annual Midyear Meeting, Raleigh, NC, September 26-28, 1986, p. 55-56.

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Publications in Revision

Gore, Pamela J.W., accepted for publication, in revision, Late Triassic and Early Jurassic lacustrine sedimentation in the Culpeper Basin, Virginia: in, Manspeizer, W. (ed.), Triassic-Jurassic rifting of the Proto-Atlantic, American Association of Petroleum Geologists Memoir.

Publications in Preparation

Gore, Pamela J.W., in preparation, Precompactional textures in concretions from Jurassic non-marine black shales (Culpeper Basin, Virginia) and their significance for paleo-environmental interpretation.

Gore, Pamela J.W., in preparation, Floodplain lakes in a Late Triassic rift basin: Durham Sub-basin, Deep River Basin, North Carolina.

Lindholm, R.C. and Gore, Pamela J.W., in preparation, Stromatolite- and conchostracan-bearing Triassic lacustrine sequence in the Culpeper Basin, Virgina: Journal of Sedimentary Petrology.

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Addendum to CV

Travel while at Emory University

1986

February 21-23, 1986. Field research in the Deep River Basin, NC (Raleigh-Durham area) and Paleoecology class field trip.

April 8-10, 1986. Travel to Houston, TX to present a talk at Texaco Houston Research Center conference on "Basins in the extensional regime - Their formation and sediment fill".

April 1986. Travel to northwest Georgia with Masters student, Lynn Zeigler, to help her begin her thesis fieldwork.

May 24-27, 1986. Travel to Deep River Basin, NC (Raleigh-Durham area) to help Masters student, Patricia Renwick, begin her field work and collecting for her thesis research.

June 15-18, 1986. Atlanta, GA. Attending meeting, presenting paper, co-chairing full-day session on Graben-fill sediments with Thomas Johnson, judging poster sessions, chairing Reception Committee. American Association of Petroleum Geologists - Society of Economic Paleontologists and Mineralogists Annual Meeting.

August 8-10, 1986. Travel to Rocky Mount, NC. Family.

August 20 - September 7, 1986. Travel to Canberra, Australia to present a talk at the 12th International Sedimentological Congress. Field seminar to the Coorong, Adelaide, Australia.

September 23-28, 1986. Travel to Raleigh, NC to attend meeting, present paper, and lead two-day field trip. Society of Economic Paleontologists and Mineralogists Midyear Meeting.

October 5-10, 1986. Travel to Salt Lake City, Utah for field seminar on lacustrine deposits in the Green River Formation.

1985

February 22-24, 1985. Sedimentary Environments class field trip to the Deep River Basin, NC (Raleigh and Durham, NC).

February 28, 1985. Travel to Athens, Georgia to attend a lecture and dinner sponsored by the University Center in Georgia.

March 13-17, 1985. Travel to Lancaster, PA to present a paper at the Geological Society of America, Northeastern Section Meeting.

March 20-23, 1985. Travel to Knoxville, TN to present a paper at

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the Geological Society of America, Southeastern Section Meeting.
March 23, 1985. Participated in field trip to the Thorn Hill Section, TN, following the meeting.

March 29-31, 1985. Travel to New Harmony, Indiana to attend a Lilly Postdoctoral Fellowship Conference.

June 17-18, 1985. Travel to Houston, Texas to present a talk to Texaco, Inc. on "Lacustrine rocks of the Culpeper Basin, Virginia".

August 4-8, 1985. Field research in the Deep River Basin, NC (Raleigh-Durham area).

August 10-13, 1985. Travel to Maryland to visit family.

August 18-22, 1985. Travel to the Deep River Basin, Raleigh and Durham, NC, and then to the Culpeper Basin, Culpeper and Manassas, VA to lead a field trip for Texaco, Inc.

September 8-15, 1985. Travel to London, England to present a paper at the International Geological Correlation Program Project 219 (Lacustrine sedimentology through space and time) Meeting. Took side trip to Cheltenham, England to see Triassic and Jurassic rocks along the Severn River, and to Stonehenge.

September 20-22, 1985. Sedimentary Principles and Petrology, and Sedimentary Environments class fieldtrip to St. Simons and Jekyll Islands, Georgia coast.

October 23, 1985. Travel to northwestern Georgia to assist with leading a fieldtrip for a Biology Department course taught by Eloise Carter (Evolution). Fossil collecting.

November 1-5, 1985. Travel to Midland, Texas and then to Carlsbad, New Mexico on a fieldtrip to the Permian Basin, Guadaloupe Mountains, and El Capitan with Texas A & M University (led by Sal and Jim Mazzullo). Then to College Station, Texas to present a talk at the Geology Department of Texas A & M University.

November 9-12, 1985. Travel to Williamsburg, VA to present a paper at the meeting of the American Association of Petroleum Geologists - Eastern Section.

November 21, 1985. Travel to Auburn, Alabama to present a talk to the Geology Department at Auburn Unviersity.

November 23, 1985. Travel to northwestern Georgia with the Sedimentary Environments class and a thesis advisee on a fieldtrip to look at Paleozoic clastic and carbonate sedimentary rocks.

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.1984

February 10-12, 1984. Travel to the Deep River Basin, NC with Sedimentary Environments class on a fieldtrip.

February 25-26, 1984. Travel to the Georgia coast (St. Simon's and Jekyll Islands) for an orientation tour with Dr. and Mrs. William Burbank (retired from Biology Department), prior to taking a class fieldtrip to the area.

March 2-4, 1984. Travel to the Georgia coast with Sedimentary Environments class on a fieldtrip.

March 31, 1984. Travel to Birmingham, Alabama. Stratigraphy class fieldtrip.

April 4-6, 1984. Travel to Lexington, Kentucky for Geological Society of America, Southeastern and North-Central Joint Meeting.

April 13-15, 1984. Travel to the Great Smoky Mountains National Park with Sedimentary Environments class and with Dr. William Size's Petrology class on a fieldtrip.

April 21, 1984. Travel to northwestern Georgia to visit outcrops being studied by a Masters Student (Omar Shegewi) for his thesis.

May 15-23, 1984. Field research in the Deep River Basin, North Carolina.

September 22, 1984. Fieldtrip with Bob Atkins (Doctoral Student) to see outcrops in the Georgia Piedmont.

September 29, 1984. Paleoecology class fieldtrip to the Georgia Coastal Plain in the vicinity of Macon, GA.

October 12-14, 1984. Georgia Geological Society Fieldtrip to the Georgia Piedmont.

November 2-4, 1984. Sedimentology class fieldtrip to northwestern Georgia, with camping at Cloudland Canyon State Park.

November 30-December 2, 1984. Travel to Bloomington, Indiana to attend Lilly Postdoctoral Teaching Fellowship Conference.

1983, after beginning at Emory

September 30-October 2, 1983. Georgia Geological Society Fieldtrip to northwestern Georgia. Trip based in Rome, GA.

October 29-November 3, 1983. Travel to Indianapolis, Indiana to

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attend Geological Society of America Annual Meeting.

November 18-20, 1983. Travel to Deep River Basin, NC for tour of the Deep River Basin led by Daniel A. Textoris and Walter H. Wheeler, University of North Carolina, Chapel Hill, NC.

November 28, 1983. Talk at Georgia State University, Atlanta, GA.

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9 September, 1986

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

Dear Pamela:

Bad news] We just got a call from the retirement complex in Indianapolis that my mother-in-law has become suddenly and irreversibly worse and will have to be put in the hospital section immediately. We must go out there to close up the apartment she had and dispose of her things (when you go to the "health center" you go the way you came into the world). I really am sorry to miss the trip and the meeting---crushed, in fact--but it can't be helped, as that block of time (for which I had already arranged substitute teachers, etc.) is the only logical ~~ffm~~ to go to Indiana within the next month. I have called SEPMto cancel everything.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

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EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/727-6491

July 14, 1986

Alfred!

Hope things are going well with you.

Galley proofs for Gore + Traverse (1986) arrived today. I thought you should glance over your section before I return it. I am enclosing a xerox for you, and would appreciate you calling me with any errors you spot. They hope I will send it back to them in 48 hours - i.e., on or about Wednesday July 16. Hopefully the mails won't let us down.

Thanks for your help.

Sincerely,

Pamela Gore

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/727-6491

June 27, 1986

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

Dear Alfred:

Thank you for your letter of June 8, 1986. The AAPG meeting is over and we can begin to get back to normal around here.

We were talking about paleoclimates in the Culpeper Basin, and what I wondered was whether there are trends throughout, as in the Deep River Basin. Your letter and phone conversations tell me, in general, what I was curious about. Knowing about the presence of wet/dry cycles in both the Triassic and Jurassic should be enough for now. What I wanted was your superficial impression. As you proceed through the Culpeper Basin samples I sent, perhaps the details will emerge.

Your letter notes that you have a lot of urgent stuff to do. As you clear that out of the way, perhaps we can get back to the papers we have been talking about writing on the palynology and sedimentology of the Midland Fish bed, and related sorts of Culpeper things.

I hear that there is a substantial errata sheet on the Cornet and Olsen paper. (Did you tell me about it?) I would like to see a copy of the errata sheet, if you have one.

Thanks for all your help, and best wishes.

Sincerely,

Pamela

Pamela J. W. Gore, Ph.D.
Assistant Professor

PJWG:jlsk

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8 June, 1986

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

Dear Pamela:

We are back from Louisiana and my daughter's surprise wedding. Now there's Ediger's thesis-defense and then a further working trip to the Adirondacks.

I'm going through my stack of mail. Yours of 16 May has just surfaced. You've talked with me on the phone since then. I guess your letter makes it clear what you need re paleoclimate for Culpeper. Please let me know the time-frame in which you need this, as I've got a lot of urgent stuff, and I'll have to assign some priorities. I'm sure it can be done--but it will take considerable work. Off the top of my head it seems that saying, e.g. that the Hettangian was wether than the Rhaetian would be difficult, as both have wet-dry cycles. Anyway, a proper job would take months (I'd want to make % counts). Or were you talking about just a superficial impression at this stage?

I'm hoping to attend Raleigh meeting, but not AAPG-Atlanta (family surprises wiped it out!).

I have a xerox of Cornet & Olsen. If you've already made the copy, you mention in the letter, I could use it!

Best wishes. Give me some more details on what and when re Culpeper paleoclimates.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. Thanks for copy of field guide. Looks good!

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/727-6491

May 16, 1986

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

Dear Alfred:

I have been trying for several days to reach you by phone. I have a question about the Culpeper Basin samples. I need to know if you can interpret any broad paleoclimatological trends for the Culpeper, like those you described from the Deep River Basin. You may be able to tell me this based on Cornet's information. In particular, I would like to know if there is any evidence that the Jurassic was wetter than the Triassic.

I want to thank you for your excellent contribution to the field trip guidebook to the Deep River Basin for the SEPM 1986 Midyear Meeting. I am enclosing for you a copy of the camera-ready version that I submitted to Daniel Textoris earlier this month.

Will you be able to attend the Raleigh meeting? I hope to see you there. At any rate, Howard Cramer informs me that you are planning to attend AAPG in Atlanta next month, so I hope to see you soon. We will have to get together!

Many thanks again for your contribution to the field guide.

Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor

P.S. - I have a copy of Cornet + Olsen on the palynostrat. of the Newark. Have you seen it, or shall I send you a copy?

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/727-6491

April 11, 1986

Dear Alfred:

Thank you for sending the corrections on the manuscript. I have already noticed a few typos myself. The captions were not carefully proofread at the time I sent them to you, so I appreciate your help in catching the mistakes. I look forward to getting the m.s. from you.

As we discussed, I am enclosing for you a copy of the references. Accent marks are likely to be missing from there as well.

Many thanks to you for your contribution. I hope all is going well with you!

Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/727-6491

April 4, 1986

Alfred
Dear field guide contributor:

I would like to thank you for your contributions to the SEPM field guide for Field Trip # 5, DEPOSITIONAL FRAMEWORK OF A TRIASSIC RIFT BASIN: THE DURHAM AND SANFORD SUB-BASINS OF THE DEEP RIVER BASIN, NORTH CAROLINA. The field guide is now assembled, and ready to go to the editor. At this time, I would like to ask you to look over the enclosed copies of the sections you submitted to see if there are any last minute changes that need to be made.

The field trip has been extended from one day to two days, September 24 - 25, 1986, and the following stops are planned:

Day 1, Sanford sub-basin
1. Boren Pit (Patricia Gensel)
2. Bethany Church
3. Roadcut between Sanford and Carbonton
4. Carbonton dam
5. Quarry between Carbonton and Goldston (Walter Wheeler)
6. Millstone grit (Daniel Textoris and Walter Wheeler)

Day 2, Durham sub-basin
7. Borden Brick and Tile, Durham
8. Railroad cut on Fayetteville Road (Daniel Textoris)
9. Triangle Brick Quarry
10. Holleman's Crossroads
11. Limestone and chert outcrop, Research Triangle Park
12. Morrisville alluvial fan

Thank you again for your contribution. Please let me know of any changes in your manuscript as soon as possible.

Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor
and Field Trip Leader

Hunt Institute for Botanical Documentation

TO AT

DATE 14-II-86 TIME 11:45

WHILE YOU WERE OUT

M. Pamela Jane

Of

Phone

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

MESSAGE re - MS

read her letter -
(some info she gave you re Fm. Names) wrong -
decide what to do before
calling.

Signed BT

The Standard Register Company

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/727-6491

February 10, 1986

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

Dear Alfred:

Thank you for the manuscript you submitted for the SEPM field guide to the Deep River Basin, NC. I have a few minor changes and questions, and otherwise, it is fine. (1) I have not seen Carnian spelled with a K (Karnian) before, and am not sure what the reason is for the alternate spelling. (2) I am not familiar with Julian and Tuvalian, etc., and am not sure if these are stages, or substages, or zones, or what. Can you enlighten me? Also do these correspond directly to early, middle and late Karnian? (A brief notation to this effect would help me, as well as the general reader, who in all liklihood may not even know what age Karnian is.) (3) I may have neglected to tell you that the Bethany Church samples are from the Cumnock Formation and not the Pekin. This may upset things, but a slight rewording may take care of it. Also, on page 4, the coals are in the Cumnock, rather than the Pekin. This suggests something to me. Does this mean that the Boren Pit samples are correlative with the Cumnock Formation at Bethany Church? Are the Bethany Church coals younger or older than the Bethany Church shales? (I think the coals are probably from Bethany Church.) Anyway, if the BC shale and the Boren samples correlate, this will be a great help to my paleoenvironmental interpretation. Lateral facies equivalence of the two formations may be demonstrated here. Also, there are faults between the BC coal and shale, so it would help to know which is older. Can't tell for sure in field. (4) I am enclosing a report from Robbins (1985) which mentions the DRB. This may deserve mention, and may add some information you can use. You may not agree with the conclusions in her paper, but this is OK. Just thought you should know about this.

Many thanks for your help. If you have any questions, please call. Could you get this back to me before the end of FEB.? Thank you.

Sincerely,

Pamela

Pamela JW Gore

Hunt Institute for Botanical Documentation

7 February, 1986

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

Dear Pamela:

Thanks for yours of 24 January. Glad MS was o.k.!

Yes, by all means seek professional drafting help with figures for talks or publication. Emory should (probably does?) have at least one such office. Here I have three possibilities: 1) a cartographer lady in Geography who did my maps for the Williamsburg talk--showing S. Georgia Basin, etc.; 2) the draftsperson in the Coal Research Section; 3) the Instructional Graphics Dept., where slides are made for teaching, etc. Unfortunately, 2 & 3 require $, as does 1 if I get over my hour-allotment. In atlanta there surely are freelance draftspersons doing geological work. Check yellow pages and ask questions. But first find out if Emory doesn't have a graphics department.

The 14 Culpeper Basin samples are done--now all I need is a little time to study them!

Norrie Robbindsprobably has had a few looks at the Deep River, as she has her hand in all over the place. But she's done no palynology that I know of.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology
Atlanta, Georgia 30322
404/329-6491

Jan. 28, 1985

Dr. Alfred Traverse
Palynological Labs
Deike Bldg
Pennsylvania State University
University Park, PA 16802

Dear Alfred:

As per our conversation earlier this afternoon, I am enclosing copies of assorted correspondence from you dealing with various samples which you or your students have processed for me. I am also sending a copy of the report you sent, which is now part of the notostracan manuscript.

I have asked the Grad School to send the application forms and catalog to you for Donald Shields.

I am also enclosing a copy of the notostracan paper which I just sent off to the Journal of Paleontology. Now you won't have to wonder what a notostracan is!

I am grateful for all your help.

Sincerely,
Pamela

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology
Atlanta, Georgia 30322
~~404/329-6491~~
(404) 727-6491

January 24, 1986

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

Dear Alfred:

Thank you for sending the manuscript on the Palynology of the Deep River Basin, NC. It looks fine, and I don't anticipate any problems with the length or number of plates. The drafting looks fine to me. As I am relatively new at this, let me ask you, does one usually hire a professional draftsperson for the artwork in a manuscript or publication? It is not something I am familiar with, and would not know how to go about finding a professional who would be competent at doing geological work. Any suggestions? Perhaps this is something I should be doing.

Thank you for the information about the samples I sent. I will look forward to hearing the results.

I have a question. Did E.I. Robbins do any work with the pollen in the Deep River Basin that you know of? She and Daniel Textoris have put something together on the coal in the Deep River Basin for an AAPG publication, however, I have not seen it. They may send me a chapter for the field guide. (Textoris is the overall editor of all of the field guides.) Does she have any abstracts on the Deep River that you have seen? I noticed that you did not cite her in your references. Just curious. I do not know that much about her work.

Thanks again for the manuscript. I like it.

Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation

13 January, 1986

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

Dear Pamela:

Enclosed is the Deep River paper. I have some misgivings because:

1. I just found a note, apparently written a while back, saying I was limited to 5 double-spaced pages. The paper, including bibliography and acknowledgements is 7 pages, plus illustrations!

2. The notte doesn't mention text-figures (there are two) but does say I was limited to one plate--I have found two the least that would tell anything. They could be reduced up to 30% in the publication, and the accompanying text could go (captions?) on the same pages.

3. I am concerned about the very amateur drafting on Fig. 2. But had I sought professional drafting I'd never have made your deadline.

Let me know what, if anything, I need to do. (As I mentioned over the phone, I have the report on a disk using Volkswriter, and will be happy to make any changes you might request, to save your having to type it again. Just let me know.)

This will also stand as a final report on the Deep River samples, unless you'd like more--I could provide % counts and the like if needed.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: MS

Hunt Institute for Botanical Documentation

8 January, 1986

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

Dear Pamela:

This is just a brief note about yours of 16 December, for your records. It turns out that the productive samples are 1) "Bethany Church Black Shale", 2) (the best!) "Boren Pit Gray Shale", and 3) "G-5-POM A-1 (bottom)". I had high hopes for "Black Material on LS Bed at ABQ" because woody material was so abundant, but nevertheless it's apparently barren. The Boren Pit clay pits are an area that should be sampled more, apparently, so should Bethany Church--overclays? The coal itself was surprising--I could hardly believe no spores--just wood (vitrinite). Cornet had a productive coal from Gulf, North Carolina, which he called "Cummock coal".

Back to the scope.

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
XXXXXXXXX
404-727-6491

December 31, 1985

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

Dear Alfred:

It is the time of year when Geoscience students are getting serious about applying to graduate school. I would like to ask you to ask your students to consider applying to the Graduate Program at Emory University. Emory offers both the Masters and Doctorate degrees in Geology, and is building a strong research program.

I am looking for prospective graduate students to participate in my research program. My research involves paleoenvironmental interpretation of continental sedimentary sequences, particularly those containing lacustrine petroleum source rocks. I am also studying the sedimentary petrology and diagenetic history of non-marine shales and concretions. My research includes interpretation of animal-sediment relationships and paleoecology of ancient non-marine sequences. Most of my work is based in the Triassic-Jurassic Newark Supergroup rift basins in eastern North America. Research support may be available next year to fund one or more graduate students.

I would also like to call your attention to the enclosed sheet describing the Graduate Program in Geology at Emory University, and to the brochure on the Woodruff Graduate Fellowship Program for doctoral candidates. The Department of Geology also offers graduate teaching fellowships, both at the Masters and Doctoral levels.

Thank you for your help. If I may be of assistance to you in similar matters, please let me know.

Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology
Atlanta, Georgia 30322
~~404/330-6491~~ 404-727-6491

December 16, 1985

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

Dear Alfred:

Thank you for your phone call earlier today. Enclosed please find the locality maps for the samples you processed ~~in~~ from the Deep River Basin. Most of the samples are from the Sanford Sub-basin of the Deep River Basin, but one is from the Triangle Brick Quarry in the Durham Sub-basin. You ran several samples from this quarry for me earlier, but all came up barren. I believe your wife indicated that you were able to find pollen in samples from Bethany Church black shale, Boren Pit gray shale, and some from the black material on the limestone bed in the Triangle Brick Quarry. I will be delighted for any pollen/spore information from the Triangle Brick Quarry, because at present, I am working on it in the greatest detail, and need a date if at all possible. Have any other samples you have processed from the Durham Sub-basin (for anyone) been productive? Guess I'll find out in the manuscript.

Many thanks for your help.

Here's the "accounting" for the samples I sent. $1200 sent in summer 1985. Processing of 6 samples at $62.50/sample = $375.00. Amount remaining "on account" = $825.00. Use this to get started on the Culpeper Basin samples, as noted in my letter to you of July 22, 1985.

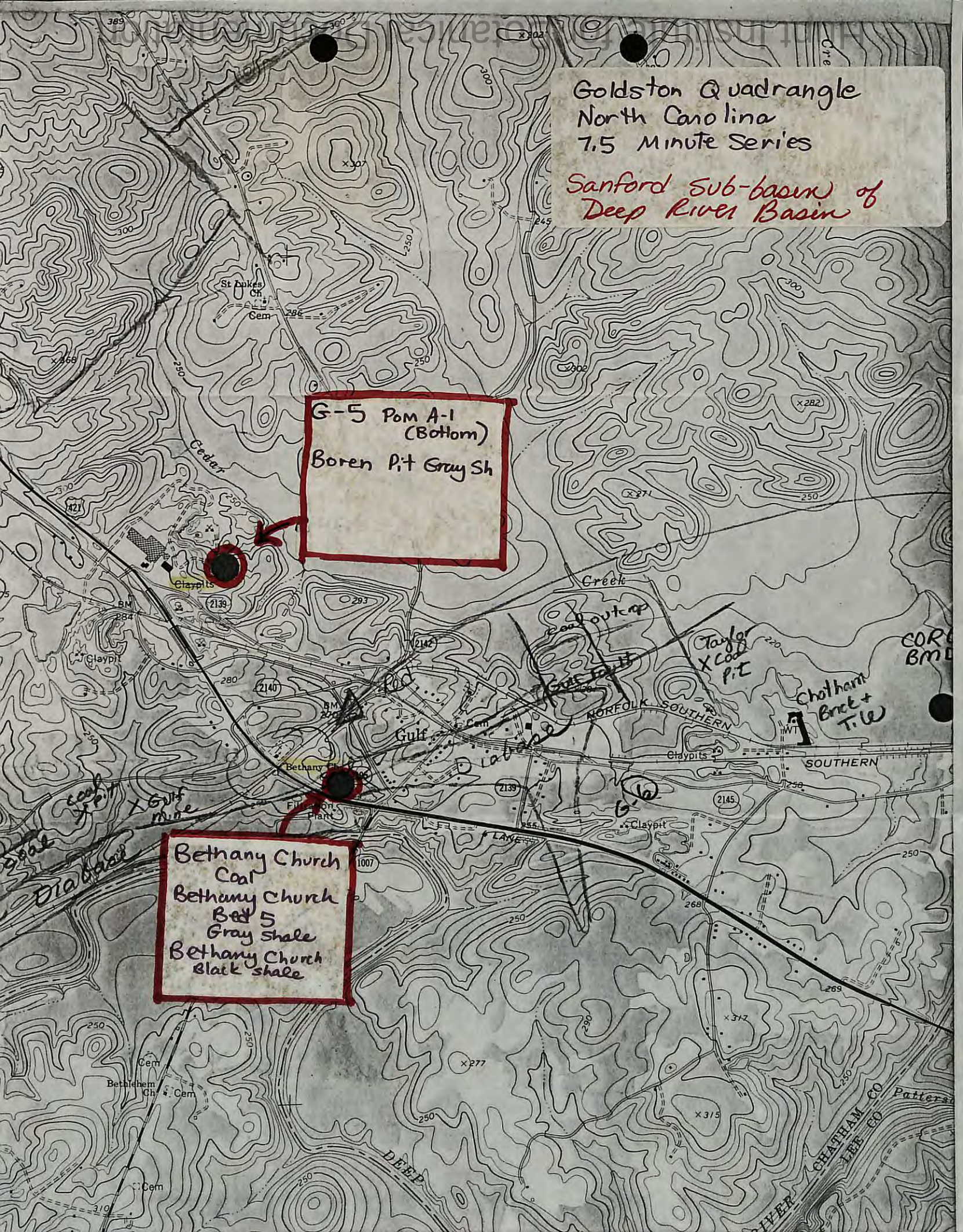
Thanks again.

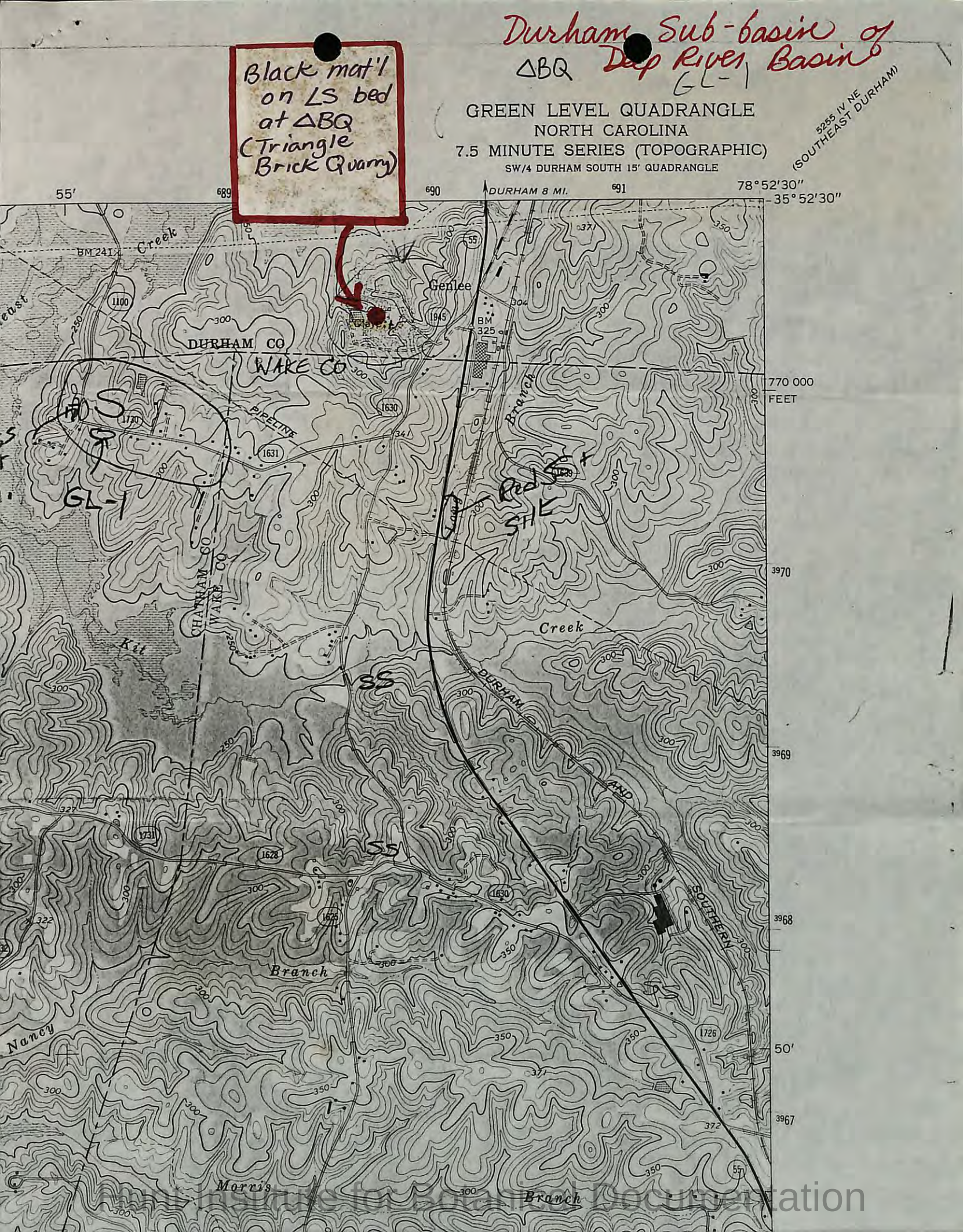
Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation


Goldston Quadrangle
North Carolina
7.5 Minute Series
Sanford Sub-basin of
Deep River Basin
G-5 Pom A-1
(Bottom)
Boren Pit Gray Sh
Bethany Church
Coal
Bethany Church
Bed 5
Gray Shale
Bethany Church
Black shale
St Lukes
Ch
Cem
Cedar
Creek
Claypits
Claypit
Gulf
Gulf Fault
Diabase
Taylor
Coal
Pit
Chatham
Brick +
T. Co
NORFOLK SOUTHERN
SOUTHERN
Bethany Ch
Cem
Fuller Lon
Plant
LANE
Bethlehem
Ch
Cem
DEEP
RIVER
CHATHAM CO
LEE CO



Institutional Boilerplate Documentation

December 16, 1985

To: Contributors to SEPM Field Guide on Deep River Basin

From: Pamela J.W. Gore, Department of Geology, Emory University
Atlanta, GA 30322 (404) 727-0120, (404) 727-6491

This is an update on the status of the field guide for the September 1986 SEPM field trip to the Deep River Basin. I am enclosing a copy of the outline of the field guide with a list of the stops which I have tentatively planned to include. I would like to verify with you the materials that you will be submitting for inclusion, and the stops that you will be discussing during the trip.

Please drop me a line as soon as possible to let me know whether you will be able to contribute as planned. This needs to be finalized immediately. I have not heard from some of you in several months, and want to verify that you are still interested in participating. ✓done

I need to have your initial manuscripts by January 15, 1986. Please send camera-ready illustrations at this time. Please send your manuscripts in Wordstar on a diskette (if possible), accompanied by a paper copy. This will simplify my assembling the field guide, and in having all papers printed in the same type style. Please keep a back-up copy of your manuscript!

I appreciate your help. Thank you very much!

Alfred -

Thanks for confirming your part in the field guide.

This is for your information. I look forward to seeing the manuscript.

Pamela

Hunt Institute for Botanical Documentation

DEPOSITIONAL FRAMEWORK OF A TRIASSIC RIFT BASIN: THE DURHAM AND SANFORD SUB-BASINS OF THE DEEP RIVER BASIN, NORTH CAROLINA

One-day trip. Date to be set later.

General description: This trip will examine continental sedimentary rocks in the Durham and Sanford Sub-basins of the Deep River Basin, including alluvial fan conglomerate, fluvial channel-sandstone and fining-upward sequences, and lacustrine shale, limestone and chert. Black shale and coal of the Cumnock Formation will be examined in the Sanford Sub-basin. Non-marine invertebrate fossils and ichnofossils are abundant at some localities.

Approximate fee: $40.00, includes transportation, lunch, and field guide.

Number of participants: Limit 40.

Field Guide Outline

1. General introduction to the Geology of the Deep River Basin, with a summary of previous work - Pamela Gore

2. Road log with 1 - 5 or 10 page descriptions of each stop

   STOP 1 - Alluvial fan outcrop at Morrisville (or some other alluvial fan outcrop) - Vic Cavaroc.

   STOP 2 - Borden Brick and Tile Quarry near Durham, NC, fluvial and lacustrine sequences, caliche - Pamela Gore.

   STOP 3 - (optional) Triassic limestone/chert stop described in Wheeler and Textoris (1978) - Daniel Textoris.

   STOP 4 - Triangle Brick Quarry, fluvial and lacustrine sequences - Pamela Gore.

   LUNCH - Suggested stop for lunch at OT's Barbecue (junction of Rt. 55 & 64).

   STOP 5 - Bethany Church coal seam and fossiliferous black shale - Patricia Gensel? Any other volunteers to assist with the geology? Pamela Gore will report on invertebrate fossils.

   STOP 6 - Boren Pit plant fossil locality (mapped as Pekin Formation)- Patricia Gensel will report on the plant fossils.

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STOP 7 - (optional stop to be written up in guidebook) Fluvial and lacustrine sequence in the Sanford Formation east of Carbonton Dam - Pamela Gore.

STOP 8 - (optional stop to be written up in guidebook) Western basin margin at roadcut NW of Carbonton - Walter Wheeler.

STOP 9 - Millstone grit - Daniel Textoris. (Alternate leader - Vic Cavaroc).

3. Miscellaneous reports on specific topics of the geology of the Deep River Basin (1 to 5 or 10 pages).

a. Railroad cut outcrop on Fayetteville Road near Massey Chapel - Daniel Textoris.

b. Character of the western border of the three parts of the Deep River Basin - Walter Wheeler.

c. Comparison of Millstone grit to conglomerates on the eastern border of the basin - Vic Cavaroc.

d. Palynology of the Deep River Basin - Alfred Traverse.

e. Petrology of sandstones in the Deep River Basin - Charles Mansfield and Steven McCarn.

f. History of coal mining in the Sanford Sub-basin - Patricia Gensel?

Hunt Institute for Botanical Documentation

TO AT

DATE 6 Dec '85 TIME 6:20 p.m.

WHILE YOU WERE OUT

M. Dave

Of

Phone

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

MESSAGE She asked me lots of P me samples. I told her #2 had some broken, beat-up stuff, also possibly 183. Call her F m.

Signed BT

The Standard Register Company

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404-727-6491

October 16, 1985

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

Dear Alfred:

Hope all is well with you. How are things progressing with the Culpeper Basin samples?

I have two items to ask you about.

1. I am coordinating a field guide for the September 1986 SEPM Meeting in Raleigh. The field guide covers the geology of the Deep River Basin (Sanford and Durham Sub-basins). Would you be interested in submitting a short (2-5 or 10 page) contribution on the palynology of the Deep River Basin? A general outline of the flora (with photos), paleoclimatic implications, age implications, etc. would be in order, if you are interested. I will need it by January 1, 1986. If you could send it in Wordstar on a diskette, it would be ideal. If not, we can retype it here.

2. I have received the reviews from my paper on the paleoecology of one of the stratigraphic sections which contains the notostracan beds. Several of the comments deal with the palynology information I included, so I will ask your advice.

One review states: "I cannot stand the word palynomorph. In this case it is also unnecessary because you are referring only to pollen and spores (to my knowledge you have no other organic microfossils). So why not say pollen and spores or spores alone were relevant. Palynomorphs is a comprehensive term that could include a variety of things." — Should I just say "pollen and spores"? Or just spores? Your opinion?

Another: "Pollen and spores are not themselves xeric -- they may represent xeric plants, however, I also disagree that a few fern spores necessarily means moisture. There are many highly xeric ferns -- they may not reproduce by spores (for which at least a minimal amount of moisture is necessary -- dew will do) but unless Traverse knows what plants he is dealing with this is sloppy paleoecology -- anyway you are blaming this on him and I cannot expect you to challenge him in a discipline which is outside your own area." Suggested revision or addition (if any)?

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Another: "Most palynologists call the fossil pollen genus Corollina Classopollis. Traverse and Cornet may be correct in asserting Corolina has nomenclatural priority, but not all palynologists are prepared to follow their recommendation because of the poor quality of the original illustrations. It may be helpful to note in parentheses that these pollen have also been called Classopollis."—Is this agreeable to you?

I am enclosing pertinent pages of the paper for your information.

Thanks for your help. Let me know if you would like to submit a contribution to the SEPM field guide.

Sincerely,

Pamela

Pamela J. W. Gore
Assistant Professor

PJWG:jlsk

Enclosure

Hunt Institute for Botanical Documentation

23 October, 1985

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

Dear Pamela:

Thanks for yours of 16 October, just in (!).

Culpeper Basin samples are on the runway, awaiting clearance from traffic control. Don't give up! It's not going to be too much longer.

OK on the Deep River Basin palynology. Won't get at it until December, however. Also can't oblige on Wordstar diskette (we use Volkswriter)--but that's no big problem, I assume.

Re the review--I only comment on the parts that affect me--I believe that part of the problem is that yourabstracted what I originally wrote. In general, the comments were understandable, a few were unreasonable and 1p2 were wrong.

Here I go:

1. I agree that after Corollina it would be helpful to put: (= Classopollis of various authors).

2. I agree that it's redundant to write "palynomorphs (spores and pollen)"--let's just go with "spores and pollen". (I prefer personally "sporomorphs" when it's only spores/pollen, but let's not fight it. As you can see, this is in the pet peeve area of several of my colleagues. (I recognize the handwriting! A former Ph.D. student of mine.) However, on p. 4, para. 2, l. 12, I won't accept "spore". They're mostly pollen, in fact. I want here "sporomorph" (more exact than palynomorph), but I'd accept "spores/pollen" as a compromise! Also, last line of p. 4, I insist on palynoflora and not "spore assemblage" (they're mostly pollen!).

3. on p. 17, I more or less agree with the critics. It should say: Spores and pollen extracted from the fine-grained gray shales are predominantly of taxa shown by van der Eem, 1983:(Aspects of Middle and Late Triassic palynology. 6. Palynological investigations in the Ladinian and lower Karnian of the western Dolomites, Italy: Rev. Palaeobot. Palynol. 39:189-300), and other authors to indicate xerophytic vegetation, indicating that conditions in this basin were prevailingly arid during deposition. However, it is possible that the scarce fern spores present may indicate occasional moisture, or that small hygrophytic niches existed somewhere in the area. [The lit. ref. to van der Eem will explain that I'm not just gassing. van der Eem and others correlated spores/pollen with other indicators. Xerophytic ferns exist but are a tiny minority of ferns! My suggested rewording covers it.]

Hunt Institute for Botanical Documentation

HOpe this is all understandable.

Best!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: returned MS pp.

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
DEPARTMENT OF GEOLOGY
NEWARK NEWSLETTER OFFICE
C/O PAMELA J.W. GORE
ATLANTA, GA 30322
(404) 727-6491

September 24, 1985

Alfred Traverse
Palynological Lab.,435 Deike
Pennsylvania State University
University Park, PA 16802

Dear Alfred:

Thank you for your contribution to the Newark Newsletter. Your check has been received and deposited. Due to a change in Emory's accounting system, I was unable to deposit your check until recently. I regret the delay and hope that it has not caused you any inconvenience.

Thank you for sending information on your interests. Please keep me posted about any new developments or publications! I hope to see you at the Mesozoic Rift Basin Symposium at the American Association of Petroleum Geologists Eastern Section Meeting in Williamsburg.

Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation

11 July, 1985

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

Dear Pamela:

Thanks for yours of 5 July.

Sorting of spores/pollen, per water dppth, energy-level, etc., etc., is a subject which must intereste me, and on which there is a considerable literature. See my old paper in Marine Geology (1966) 4:417-459-- perhaps my best paper. I believe the sort of pattern that Don found is almost certainly facies-related (not enough time for other explanations!). I have a research effort on this subject in the Catskill (Devonian) in for a grant at the moment. (Hope it does better than my recent Triassic effort.) Xerox of abstract of paper from last Fall enclosed.

Yes, I'll write up the spores/pollen--but let me know exactly what you have in mind: how much space, etc.

I would always like more Culpeper samples! If they're funded, it makes for earlier completion!

I have enough of the Shields material to work with.

Your P.S. "I am sending Travspore funding for Midland" is puzzling-- you mean $ are coming for more processing? Or what?

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: AASP abstract

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology
Atlanta, Georgia 30322
404/329-6491

July 5, 1985

Dear Alfred:

In response to June 13th, yes, I did receive a copy of Don Shields' report. Your comments are most interesting. Facies analysis suggests that the fish bed was deposited in deeper water than the units above and below! I think this may turn out to be quite interesting, with implications for sorting of pollen into different environments. Pollen changes may be related to other sedimentary changes (texture, etc.).

I am compiling my notes and ideas on the Midland sequence for a paper. Could you contribute a write-up on the pollen? Would you like any additional samples (which I will fund), and would you like to examine Don's slides which I have (or do you have "duplicates" of his slides)?

Do you know of other cases where pollen + water depth are related? Joe Smoot mentioned Walker Lake, but I have no references to it —

Sincerely,

P. Gore

PS- I am sending Travspore funding for Midland!

Hunt Institute for Botanical Documentation

13 June, 1985

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

Dear Pamela:

My wife and I have just returned from Indianapolis, where we had to get her parents into a "retirement home", close their own home, etc. Very difficult job.

I am now "digging out" here, and I find yours of 31 May. Let me know if you never got a copy of Don S.' paper. The palynomorphs are poorly preserved, and they do require more systematic work than he could do within the framework of a single semester course. Nevertheless, the broad picture is certainly right: a flora overwhelmingly dominated by Corollina (= Classopollis) meyeriana (except for the fishbed-proper). This is a Triassic/Jurassic boundary situation. The fishbed sample is dominated by Patinasporites spp. (85%). Some (van der Eem, 1983: Rev. Palaeobot. Palynol.) would interpret this whole business (Corollina and Patinasp.) as indicating xerophytic conditions. Patinasp., as a monosaccate, would probably float better than Corollina and might therefore be more abundant in lake deposits at a distance from shore? Are there indications from your little guys that the fishbed was deposited in deeper water? I should note that the interpretation of Corollina-Patina as xerophytic is somewhat controversial.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology
Atlanta, Georgia 30322
404/329-6491

May 31, 1985

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

Dear Alfred:

How are things going? I have a question. Donald Shields sent me his pollen slides, and says that he has written a report on the Midland section pollen. I am interested to see what he has found, and what it means. I called and asked him to send me a copy, and I suppose he will, but he was very hesitant about the "correctness" of his identifications and interpretations, and said that I should check with you.

Specifically, I am interested in any climatic implications. I am planning to look at changes in clay minerals through the section, to see what they indicate about climate. It would be nice to have two independent lines of evidence about the climate. This will aid in my interpretations of facies change and paleoecology.

I will probably be able to send funding for additional pollen analyses later this summer.

Good luck with things! I look forward to hearing from you about the Midland beds.

Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor of Geology

PJWG/jl

Hunt Institute for Botanical Documentation

1 May, 1985

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

Dear Pamela:

Thanks for yours of 12-IV.

I too was very disappointed by Don. S.' decision--but not surprised. It was a "safer" decision, and that's like Don.

The "Houghton & Traverse" thing is shocking. First of all, that chart is 99.9% out of BC's thesis. Second, there was no agreement for us to do a joint paper like that--not that I recall.

More later re the student's (and my) work on the Culpeper this semester. Presumably you have now my letter asking for map-info, and I look forward to getting that.

I guess I should ask you about the shape of the proposed G+T paper! I propose: write up your idea of the outline, and I'll react--as a very rough outline, what you send in the letter sounds o.k.

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/329-6491

April, 30, 1985

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

Dear Alfred:

Enclosed is a xerox of a portion of the Midland, Virginia quadrangle. I have indicated with a red dot the location of the samples I sent you. All are from the same general excavated area that was opened by the Smithsonian Institution during their salvage project on the "Midland Fish Bed" before a dam is completed and the area flooded.

Has your class made any progress toward finishing (or even denting) the box of gray samples I sent a while back? I will gladly prepare a stratigraphic summary, with measured sections, etc. when the time comes that you feel we are ready to start thinking about a publication.

We were all quite disappointed that Donald Shields rejected our offer of a fellowship. We will have to see what the factors are that make a student decide to go elsewhere, and correct them. Thank you for suggesting him, and if there are any other interested students, we may still have a fellowship opening.

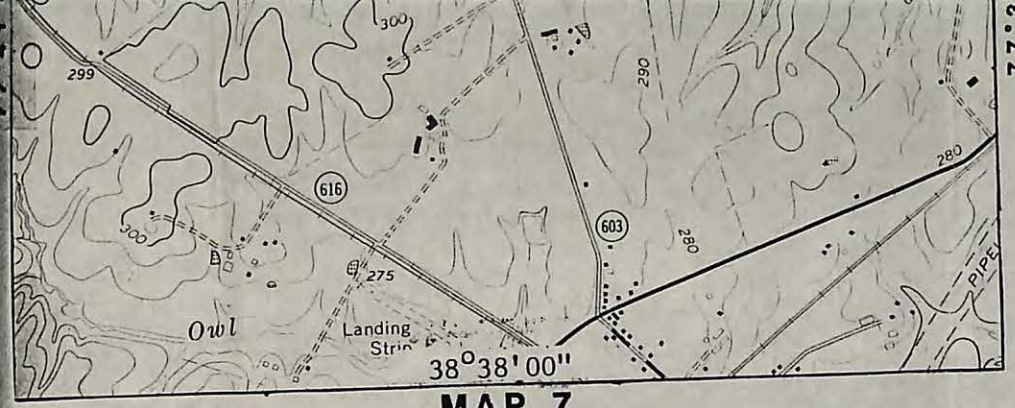
Thanks for all your help.

Sincerely,

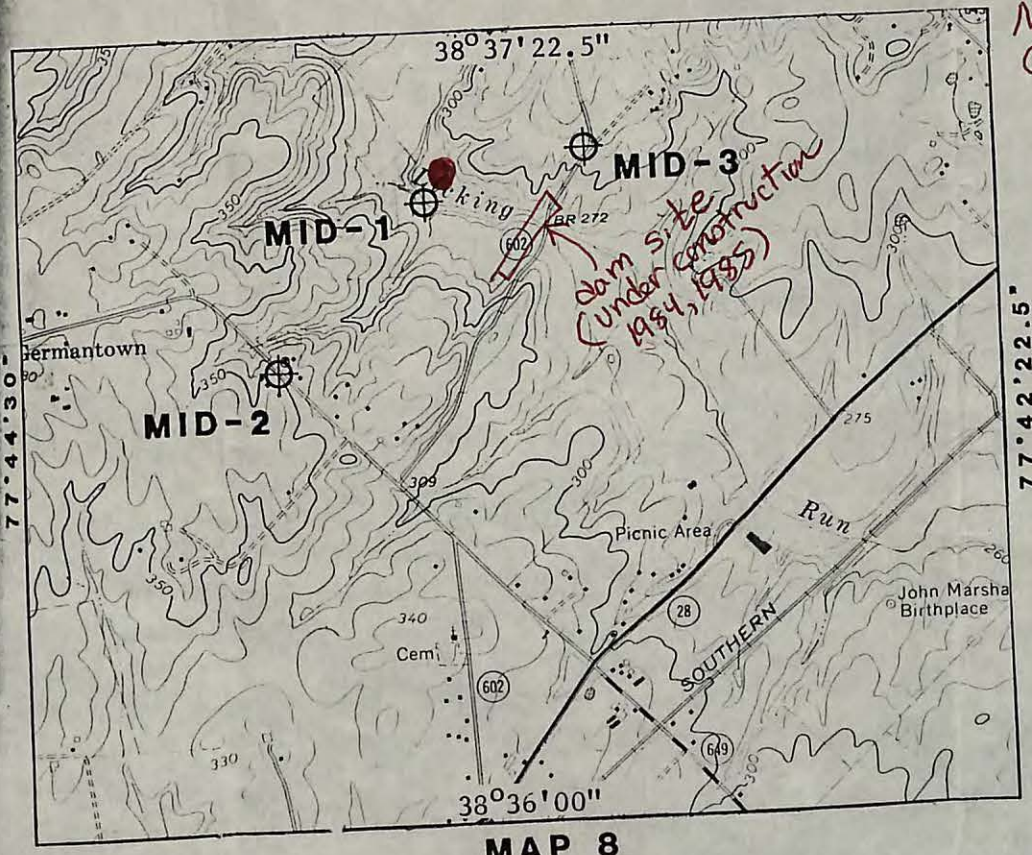
Pamela

Pamela J.W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation



MAP 7



Midland Quadrangle, Virginia

MAP 8

17 April, 1985

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

Dear Pam:

Re the three (neat) samples from the "Midland Fish Bed" you so kindly sent a while back--could you send a xerox of a quadrangle with the locality pinpointed? Perhaps you/ve already done this, but if so I can't find it! (I have such a map for your other localities.)

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. I did my damnddesttto get Don S. to accept Emory's offer, but I lost. Sorry.

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/329-6491

April 12, 1985

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

Dear Alfred:

It was good to talk with you the other day. Donald Shields called yesterday to tellus that he is planning to go to Nebraska instead. I was very sorry to hear that, because he would have fit in well with my research program, whether or not we were able to set up a paleopalynological laboratory. If there is any chance that he might change his mind, I would like to hear from him.

Anyway, I am sending you the copy of the infamous "Houghton and Traverse, in prep." , enclosed. I imagine that he is running around talking about doing papers with me, too. He did mention the possibility, but we never really agreed on anything. I would like to know a bit more about the quality of his work --.

The abstracts you sent arrived today. Thank you.

Do you have any results on the Culpeper Basin pollen analyses that your class did this semester? I am interested in writing up the locality information and section descriptions and interpretations, if you can let me know which samples you have done. How do you envision this paper? General geologic setting, outcrop descriptions and interpretations, palynology and interpretations, or what? Let me know. I am anxious to get started when I know what you will need, and how far along you are on the analyses.

Thanks for all your help!

Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation

Thickness of units not to scale. Dashed lines indicate principal time correlations based on pollen assemblages (Cornet, 1977). Abbreviations: CM, Coal Measures; EBrln, East Berlin Fm.; FalCk, Falling Creek Mbr.; Ham, Hamden Basalt; HkMt, Hook Mountain Basalt; Ho, Holyoke Basalt; Newfd, Newfound Mbr.; OrMt, Orange Mountain Basalt; Prk, Preakness Basalt; ShMdw, Shuttle Meadow Fm.; StgCk, Stag Creek Mbr.; Tal, Talcott Basalt. Sources of data: field work this project, Cornet (1977), Olsen et al. (1982), Stose et al. (1939), and Weems (1980).

• Pollen/spore samples, Cornet (1977)

▫ Pollen/spore samples, this study

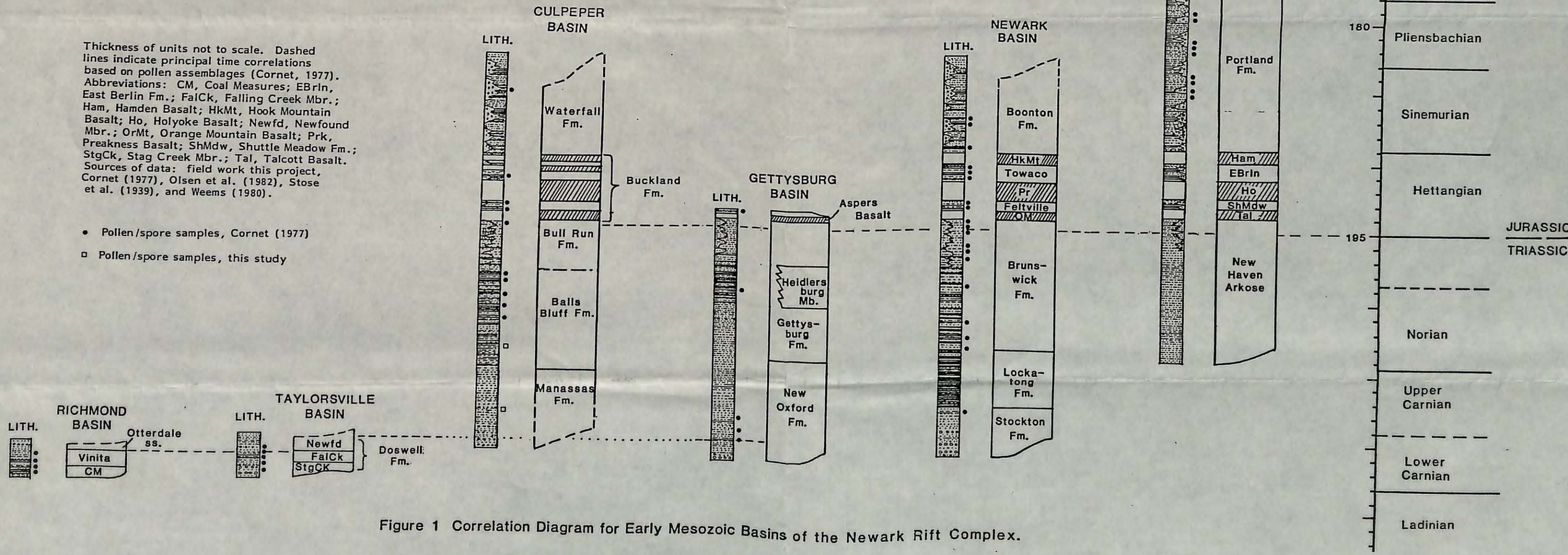


Figure 1 Correlation Diagram for Early Mesozoic Basins of the Newark Rift Complex.

From: Houghton + Traverse (in prep.)

Hunt Institute for Botanical Documentation

4 February, 1985

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

Dear Pamela:

Everything came--all appreciated. Don Shields will probably apply. He has rotten numbers, but I think he's proof that numbers don't always tell the whole story!

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

16 January, 1985

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

Dear Pamela:

Yours of 3 January re grad work at Emory came--I will certainly be on the lookout for possible candidates for you. Emory is handicapped by lack of "name recognition"--at least around here. Everybody applies to the same 6-8 places.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/329-6491

January 3, 1985

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

Dear Alfred:

I would like to call your attention to the enclosed poster, describing the Graduate Program in Geology at Emory University, and to the brochure on the Woodruff Graduate Fellowship Program for doctoral candidates. The Department of Geology also offers graduate teaching fellowships to graduate students, both at the Masters and Doctoral levels.

I am writing to you to enlist your support in identifying prospective graduate students with an interest in sedimentary environments, sedimentary petrology, freshwater invertebrate paleontology, and the structural geology of rift basins. I am working on the sedimentology, stratigraphy, and invertebrate paleontology of the Triassic-Jurassic Newark Supergroup rift basins in eastern North America, and am interested in locating graduate students who would be interested in working with me. Work in progress includes interpretation of lacustrine and fluvial paleoenvironments, and establishment of a biostratigraphy based on freshwater invertebrates, calibrated by palynology.

If you know of outstanding undergraduate students with a good academic background, please ask them to consider applying to the Graduate Program in Geology at Emory. We are accepting applications for both the Masters and Doctoral Programs.

Thank you for your help. If I may be of assistance to you in similar matters, please let me know.

Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation

30 November, 1984

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

Dear Pam:

should be
here ack'd

Have sent off the form to the Georgia State Board. I guess that was what I was supposed to do? I have a xerox copy, in case that was wrong.

I should tell you that we don't have (or at least it isn't known to me) the system here, and I have no "registration no." for the lower left hand corndr. I hope that doesn't matter.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

GEORGIA STATE BOARD OF REGISTRATION FOR PROFESSIONAL GEOLOGISTS
166 Pryor Street, S. W.
Atlanta, Georgia 30303

FORM FOR PROFESSIONAL REFERENCE

Pamela J.W. Gore
Name of Applicant

Department of Geology, Emory University, Atlanta, GA 30322
Address

To be filled in by applicant

To be filled in by respondent

The law [84-2108A (c)] requires that an applicant for registration as a professional geologist in Georgia have experience in professional geological work. Your name has been submitted by the applicant listed above as one who can attest to his experience and background.

The law [84-2118A (c)] also requires that your information be kept in confidence by the Board.

1. State your profession ~~Geologist-palynologist~~ paleopalynology, years of experience 38, and any specialty (if any) .

2. How long have you known the applicant professionally? 4 years

3. My relationship with the applicant has been that of:
   Employer [ ] Supervisor [ ] Co-worker [x] Other [x] consultant

4. If I needed someone with the applicant's particular skills I would [x] would not [ ] utilize his/her services.

	Excellent	Good	Poor	Unknown
5. Quality of Professional work	[x]	[ ]	[ ]	[ ]
Use of technical knowledge	[x]	[ ]	[ ]	[ ]
Soundness of judgement	[x]	[ ]	[ ]	[ ]
Professional attitude	[x]	[ ]	[ ]	[ ]
Professional reputation	[x]	[ ]	[ ]	[ ]

6. I am familiar with the applicant's work from 1980 (date) to present (date)

Please describe in detail the quality and type of work experience of this applicant: (add more pages if necessary)

Pam Gore is an excellent field geologist and skilled stratigrapher, whose work with the lake deposits of the Culpeper Basin, Virginia, has been a very big contribution.

Alfred Traverse
(PLEASE PRINT NAME)

Date 29 November, 1984

Signature

Pennsylvania State University
Address Department of Geosciences
University Park, PA 16802

Geologic or Engineering Registration No.

State

Title ~~Professor of Palynology~~

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/329-6491

November 13,1984

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

Dear Alfred:

How are things going with you? Any progress on the samples? I am revising the notostracan paper now that it is back from the reviewers.

Would you please fill out the enclosed recommendation form for me? I am applying for registration as a professional geologist in the state of Georgia. The deadline is, as always, as soon as possible. I would appreciate it, whenever you can get to it.

I am sending in a NSF proposal which will require some palynological work. I am listing the cost as $75.00/sample, as you mentioned earlier. If there is any major problem with this, let me know fairly quickly. Do you want to see the proposal before it goes in? I am getting university approval on it now, but it may be possible to make a few minor alterations in the actual proposal after it is signed, as long as the money part doesn't change. I can always get that revised too, I guess - and get them to approve it again. Let me know if you need to see it. If you want to add in a consulting fee for looking at the samples in addition to preparation costs, this is one of the things I will need to know.

Take care, and thanks for all your help.

Sincerely,

Pamela

Pamela J.W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology
Atlanta, Georgia 30322
404/329-6491

(gore)

July 24, 1984

Al Traverse
Palynological Labs
Deike Bldg
Penn. State U.
Univ. Park, PA 16802

Dear Al!

I have been looking through my Culpeper Basin samples for more remnants of the critical outcrop, T-3. I sent T-3E to you in November. I have found T-3F, which may be more productive. T-3, as you may remember, appears to be the uppermost occurrence of Cyzicus in the Culpeper Basin, and extremely close to the Tr-Jr boundary. I will send T-3F, and any other T-3 samples which surface fairly soon. (see next page)

I am also sending some Deep River Basin samples from the Triangle Brick Quarry, with payment included (before end of August).

Please excuse the handwriting —
Alas - we are secretary-less!

Plant Institute for Botanical Documentation

continued -

July 26, 1984

Flash report! The Smithsonian is excavating (by bulldozer) the Jurassic Midland fish bed (Virginia) locality on a massive scale - projected at ~100 meters of exposure - in a salvage operation before construction of a dam is completed in October.

I plan to go up in August to sample for invertebrates.

While in the Culpeper Basin, I will re-check locality T-3 and recollect. (Most of my samples from T-3 didn't make the move to Georgia unfortunately.)

Amy McCune is reportedly working on the fish from the Midland fish excavation; Scott Wing (?) of the Smithsonian is looking at plants & pollen. Kay Behrensmeyer is doing taphonomy & stratigraphy.

Will let you know what develops!

Sincerely,

Pamela

Hunt Institute for Botanical Documentation

31 July, 1984

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

Dear Pamela:

I am also without benefit of secretary. However, I can type, after a fashion (I learned, however, on a manual, and electrics, to say nothing of word-processors, drive me bananas. Texxxas always comes out that way if there is a repeating x. When I return to home-base, addtaught, the following happens:j;fj;lfjjf). Your handwriting (mostly printing) is 100% legible--mine isn't!

Good to know that some more of T-3 will be coming. Several different lithologies would be a good idea. That's the critical matter.

O. k. re the Deep River Basin samples. If you plan to pay, as you say, be sure that payment is to "Tuavspore, Inc.", as that is the way I am keeping the cash clear of my personal funds.

The Midland excavation is exciting. I will be visiting VA for Silurian samples and wonder if I couldn't have a look too. Scott Wing is a good friend in another connection--but he's a K-Cenozoic man! In any event I know he wouldn't mind my having a look at a few samples.

You are a real source of interesting info and inspiration

Yours very truly,

Alfred Traverse

Hunt Institute for Botanical Documentation

10 July, 1984

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

Dear Pam:

I was hoping you wouldn't notice! It should be Corollina torosa all right. Cornet failed to hhange torosus to torosa, as required when species was transferred to Corollina (feminine).

Other info you requested:

1. Visscher: Courier Forschungsinstitut Senckenberg (Frankfurt). N.B. The hyphen in what I sent you was a gremlin to be removed!

2. Fifth International Palynological Conference, Cambridge, England, June-July, 1980. (Actually, you had 1980 already--probably" enough.)

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

Dear Al! July 3, 1984

One quick problem:
you mention *Corollina torosa* in the m.s. & refer to Cornet. Cornet (page 153) has *Corollina torosus*, and Cornet & Traverse (1975) pg. 17 has *Corollina torosus*.
Which is correct? *torosa* or *torosus*??

Also, can you give me an un-abbreviated journal title for Visscher, and place or date (month, day) info on the 5th Int. Palynol. Conf.?

Thank you!!! P. Gore

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology
Atlanta, Georgia 30322
404/329-6491

July 2, 1984

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

Dear Al:

Thank you for your $5.00 contribution for the Newark Newsletter. A receipt is enclosed. Due to fiscal reasons, I will be unable to cash your check until September 1, 1984. I hope that this does not cause any inconvenience.

I received the manuscript today. Thank you. I will have to work it into my manuscript, and send it out for review. I will check to see whether I have any other samples from T-3, and let you know. Thanks again for all your help. Let's keep the big paper in mind! It sounds like a good idea.

Sincerely,

Pam

Pamela J.W. Gore
Assistant Professor

Hunt Institute for Botanical Documentation

27 June, 1984

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

Dear Pam:

Here's the little MS. I believe a Traverse & Gore paper on the whole palynological ball-of-wax should be the next goal. There's a lot of good info in those floras. Over the phone I mentioned T-3 as according to your letters of major importance but still not productive of spores. Should we have some more goes at that locality?

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: MS

Hunt Institute for Botanical Documentation

22 June, 1984

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

Dear Pam:

Here's my membership fee for Friends of the Newark.

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl check for $5.

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology
Atlanta, Georgia 30322
404/329-6491

May 8, 1984

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

Dear Al:

Thanks for your letter about the manuscript. I think Cornet was probably looking at conchostracans, which are extraordinarily abundant in the lacustrine beds. The notostracans are rare and only known from three localities in the C.B.

Would you write a summary of the pollen and probably age of the notostracan beds for inclusion in my paper? About one or two typed pages would be good. A small stratigraphic chart would be nice, too. Could you also include a footnote or something about the Norian-Rhaetian "problem"?

Thank you very much!

Sincerely,

Pam

Pamela J.W. Gore
Assistant Professor

PJG:dm

Hunt Institute for Botanical Documentation

30 April, 1984

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

Dear Pam:

Thanks for your notostracan paper--very interesting. I am really a novice in such matters! I recall that Cornet was always finding "branchiopods",,and I guess these were the critters he was showing me?

I have been after Joe S. to improve the preparation on G-2, and he has now done so, after much labor. I helped him take pictures yesterday, and it is a good, though somewhat "cooked" palynoflora. It looks ~~ba~~-parkish like the others you sent: Rhaetian. More details later.

Speaking of Rhaetian--Visscher has a paper out defending its use as a time term, and many paleopalynologists are still using it. In any event, it is possible to regard it as a late subzone of the Norian. If one does this, it ddesn't change much what one is saying: latest Triassic! The problem is with ammonites. The key ammonite for late Norian occurs in the type Rhaetian.

Re what to do about publication, I'll be guided by you. Perhaps "both of the above"? I could write a brief summary of what we have from your sample, for inclusion in your paper, and do something more detailed later? Trouble is, I have so many irons in the fire, that the detailed paper will take a while, and I don't want to keep you hanging on it. As soon as the term is over, and I have a little time, I'll write up what we have for inclusion in your MS--illustrations?--just a small stratigraphic chart? Let me know exactly what you would include.

The Carnian locality is probably proprietary, but you could try asking: Dr. Steven Schamel, Earth Sciences & Resources Institute, Univ. of SC, Columbia, SC 29208. I can tell you it's a different part of the Basin entirely, and Carnian didn't seem to upset the folks at U.S.C. at all. Hmmm.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

P.S. As far as GSA's chart is concerned, I recall my father's dictum about

Hunt Institute for Botanical Documentation

encyclopedias that I'd cite in an argument, "Paper will take ink."

AT/et

Hunt Institute for Botanical Documentation

TO AT

DATE 27 apr. 84 TIME 1:45~

WHILE YOU WERE OUT

M. Pam Gore

of

Phone 404-329-6491

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

MESSAGE Did you get her MS ?

Signed BT

The Standard Register Company

Phoned back – promised to send more info re S.2 resp. (i.e. after Semester end!)

Hunt Institute for Botanical Documentation

3 April, 1984

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

Dear Pam:

Further progress report. Have had a couple of help sessions and conferences with Joe Seitz re the Culpeper samples he's doing for his project with me. I am not really satisfied and am going to press him to try some new ideas, but he is pretty firm that of the samples I gave him (G-5A_2, G-5D, G-5E, G-5F, G-2 and T-3e) only G-2 is productive.

The G-2 palynoflora is a little more carbonized than either G1A1 or G5A1. There seems to be a good deal of luck in all this. Incollected some (3-4) marvellous looking siltstones from what looks like more or less G-1 on your map, near the cemetery, and got barren on all! Yet G1A1 is marvellous!

G-2 is dominated hy Patinasporites densus, just as were the other two. A couple of very poor Corollina sp. specimens were seen. Carnisporites granulatus (one specimen) was seen. Alisporites present are of several species but not well preserved..enough for confidence with the species. One fair specimen of what Cornet called Lycospora imperialis seen--he reported this only from Carnian, but he didn't find enough specimens for that to mean much. Various fern spores seen--Todisporites sp., Dictyophyllidites sp. Most of this isn't too helpful, but if I had to guess, I'd guess a tad older than G1, based on the (ouch) one specimen of Carnisporites granulatus, with the Patinasporites densus dominance, and practically no Corollina: Early Rhaetian or latest Norian? However, I've only studied one slide, and there is probably no compelling reason to insist this is different from G1 and G5...I just have not seen the Corollina abundance (practically none seen) that G1 and G5 have, and the two specimens seen could be C. meyeriana. Would you have any reason to suspect G-2 could be a tad older than G1A1?

If Seitz doesn't succeed in improving his preparations, that probably is about it for P. Gore's Culpeper samples for a while, unless you can come up with some $ to pay for processing. (I do the studying for free.) However, I have an unfinished business feeling about T-3. Do you have some alternate samples for T-3? Siltier perhaps, or whatever?

The marvellous double-box from you of a while back seems to represent a different ball game? Wouldn't it be nice if I could find a Ph.D. candidate to take on it and the Culpeper Basin in general? Best wishes.

Yours very truly,

Hunt Institute for Botanical Documentation

AT/et

Alfred Traverse, Professor of Palynology

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/329-6491

March 29, 1984

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

Dear Al:

Thanks for your letter. I am curious about the late Carnian locality in the Culpeper Basin, but I suppose that is proprietary. Very interesting--Also, "Cyzicers" was an unfortunate typographical mistake. It should have been "Cyzicus". I can't wait to hear about sample G-2. It contains the most abundant and best preserved notostracans. I believe that it is probably correlative with beds in outcrops G-1 and G-5. Perhaps the pollen will tell.

I am sending you a copy of the notostracan manuscript. I have not touched it since you sent your results, so some slight changes will obviously have to be made. You may want to write a page or two to accompany this. Let me know where you think it would fit best. Or perhaps you and Joe would like to write a companion paper which I could reference?

this sounds best to me →

I have a question. The term "Rhaetian" appears to have been discarded; something about the European floras being equivalent to the Norian, but differing due to environment. You will note that GSA has dropped the Rhaetian from it latest time chart. If we plan to say Rhaetian in the paper, this problem must be addressed. What is your opinion?

Let me know your comments on the manuscript. Thanks a lot!

Sincerely,

Pam

Pamela J.W. Gore
Assistant Professor

PJG:dm

P.S.- Nazre Sobhan's sample is "CORE D-5, BOX 13, 138'2" ", and was not among those which I asked to you "Rush". Perhaps you or Joe could get to it soon? It is a thin gray lens in a long core of red beds which I believe are fairly low in the section, although I do not have a map location - Thanks.

Hunt Institute for Botanical Documentation

16 March, 1984

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

Dear Pam:

Glad you liked the bit of progress. I really hadn't looked to see what BC's calls were on the Culpeper, but I think latest Rhaetian for the two samples I reported on is a very good call, as I said before.

I have conferred with Joe Seitz about the six samples he's working on--they are the other six from your original batch of eight. One sample is a G-2, and it is loaded--though he needs to do more processing. Joe is an undergrad taking the grad course with special permission. He will produce a report for the course. I aim to write up what we jointly do--I gather, however, we need to write up G-1, G-2 and G-5 ASAP--let me know exactly what we need as to length, etc., and I'll write it.

I just checked on Joe in the lab. He has a T-3 well along, but it doesn't look as promising as G-2.

What is a "Cyzicers"?

Thanks for map and sdctions. Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

P.S. In answer to a question you raised: climatic information is locked up in the palynological data, but there has been great dispute about interpretation. It's an area we should work on. When a sample is so dominated by Patinasporites as some of Culpeper samples, for example, surely some edaphic-climatic explanation can reasonably be expected.

Hunt Institute for Botanical Documentation

21 March, 1984

Professor Stephen Jay Gould
Department of Geology
Harvard University
Cambridge, MA 02138

Dear Professor Gould:

Always read your column in Natural History with great interest. I often find something I'd like to argue with, but your facts are usually 100%. However, in your piece, "Continuity", your erudition let you down in your opening. The name of the chief of Jesus of Nazareth's inner circle was really Simon Bem Jona. "Peter" was not his real name at all, but a pseudonym or nickname applied, apparently by Jesus, as a descriptor. It's like Joseph Djugashvilli's nickname, "Stalin" or man of steel. Your opener would have been even better if you had been aware of this.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology
Atlanta, Georgia 30322
404/329-6491

February 27, 1984

Dr. Alfred Traverse
Palynological Labs
435 Deike Building
The Pennsylvania State University
University Park, Pa. 16802

Dear Al:

It is good to hear that progress is being made on the Culpeper Basin samples. I am sending you a xerox of the 7.5 minute topo map and copies of the two measured sections, G-1 and G-5.

I see that assigning an age to the samples is not a simple unambiguous job. The ranges must differ somewhat regionally, perhaps due to climate, etc. (Can any climatic implications be drawn from this assemblage?) The age determination seems reasonable give the location of the section with respect to Cornet's samples. (Cornet called 8/k2 latest Rhaetian)

The main purpose for needing a date on samples from sections G-1, G-2, and G-5 is to place a date on the notostracans. I am preparing a manuscript on them which is nearly ready for review.

Shall I write a section on their age based on what your letter says about the palynoflora, or would you like to write it? I would like to see what the other samples reveal first. Does Joe Seitz plan a thesis on the Newark Supergroup?

Sample T-3 will place a date on the uppermost known occurrence of Cyzicers in the Culpeper Basin, and may be helpful in placing the Triassic-Jurassic boundary.

Thanks for the results. Keep me posted!

Sincerely,

Pam

Pamela J.W. Gore
Assistant Professor

Encl.
PJG:dm

Hunt Institute for Botanical Documentation

Pat!

EMORY UNIVERSITY
Department of Geology

Atlanta, Georgia 30322
404/329-6491

September 1, 1983

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

Dear Al:

Thank you for the slides. I am sorry to be so slow in answering your letter. As you can see from the letterhead, I have made some changes, and spent a very busy past 6 months. In short, after a whirlwind of interviews, I accepted a position as Assistant Professor in sedimentology at Emory University in Atlanta. I finished my dissertation over the summer, successfully defended, revised, and then moved at the end of July. I have spent the past month getting organized for the coming semester- ordering equipment, having lab renovations done, etc.

Well, back to the Newark, now that things are becoming routine again. I am enclosing a copy of my NE-GSA talk, and one slide. My notes indicated that you wanted several slides, one of which was the basin map with cross-section (enclosed). I do not know which other slides you were interested in. Perhaps a look at the talk could refresh your memory. I will be glad to send copies of other slides, if I know what you want, at least in general (fossils, outcrops, specimens, maps?)

About the critical samples- it turns out that T-3 is a very important outcrop as regards biostratigraphy in the Culpeper Basin. It is certainly near the Triassic-Jurassic boundary; it is slightly below Cornet's lowest Hettangian sample (Haymarket), and only a few km along strike. This would be the highest known occurrence of Cyzicus in the Culpeper Basin. Unfortunately, according to my list, I don't think I sent you any material from outcrop T-3. I will send you some samples as soon as I uncrate material from T-3.

In the meantime, Triops was collected from samples G-1A, G-2, and G-5 (E, F, or G?). I would appreciate a date on these samples, and also to know if the pollen supports correlation of these three notostracan-bearing outcrops. I have a paper on the Triops which is almost ready to send out for review. A date, as soon as possible, would be most appreciated.

I imagine you may want to see a copy of my dissertation. I am not able to keep up with requests for copies (I can't remember how many people have asked me to send them a copy). At any rate, it is being sent to University Microfilms International at the end of September. Perhaps you could contact them for a copy (University Microfilms International, 300 North Zeeb Road, Ann Arbor, Michigan 48106). If this is a problem, let me know and I will try to find the time to xerox a copy for you. The title and other information

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are on the enclosed announcement.

I hope to continue working on the Newark. Unfortunately, it is all subsurface in Georgia, and only well cuttings exist (few or no gray beds). I am interested in obtaining cores from any part of the Newark, if you hear of some.

In the meantime, I am working on several manuscripts on the Culpeper Basin, and am directing Masters students working on the Paleozoic of NW Georgia. Perhaps we should set up some serious expeditions to North Carolina...

Do you think that you will have any students available to process the 70 or so Culpeper Basin samples I sent you last year? I am still interested in having them analyzed, if you (or someone) can find the time. I will send T-3 to you when I find it. Meanwhile, as I noted above, G-1A, G-2, and G-5 (E, F, G?) would help the notostracan paper, which is nearly ready to go.

Thanks so much. Let me know which other slides you want.

Sincerely,

Pamela Gore

Pamela Gore

PJWG/ea

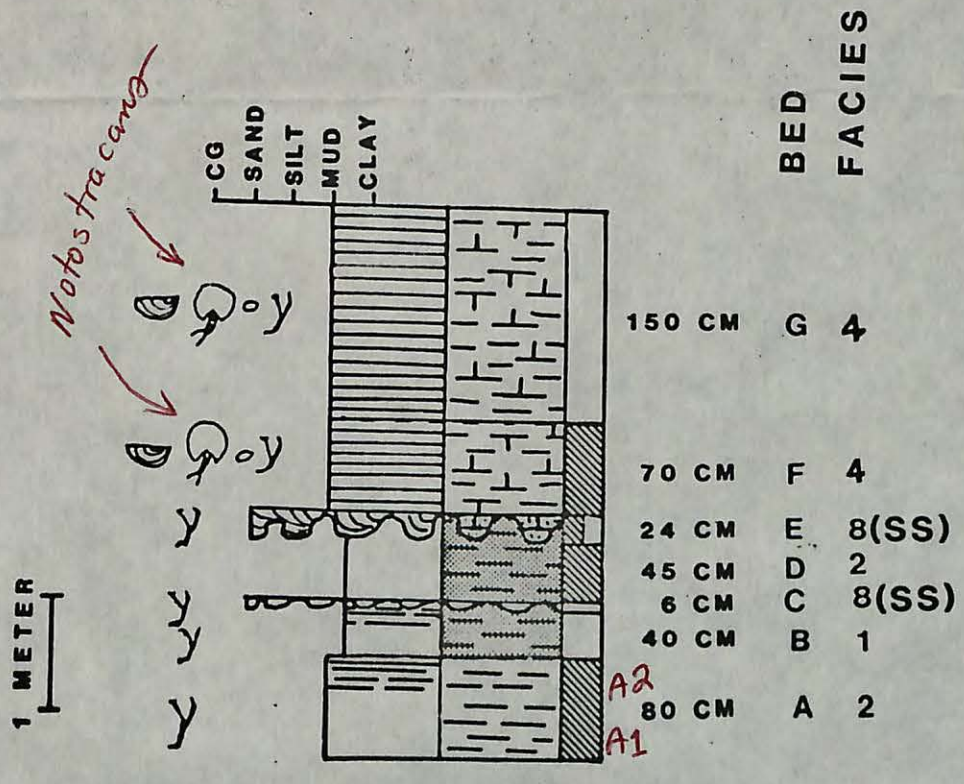
Enclosures

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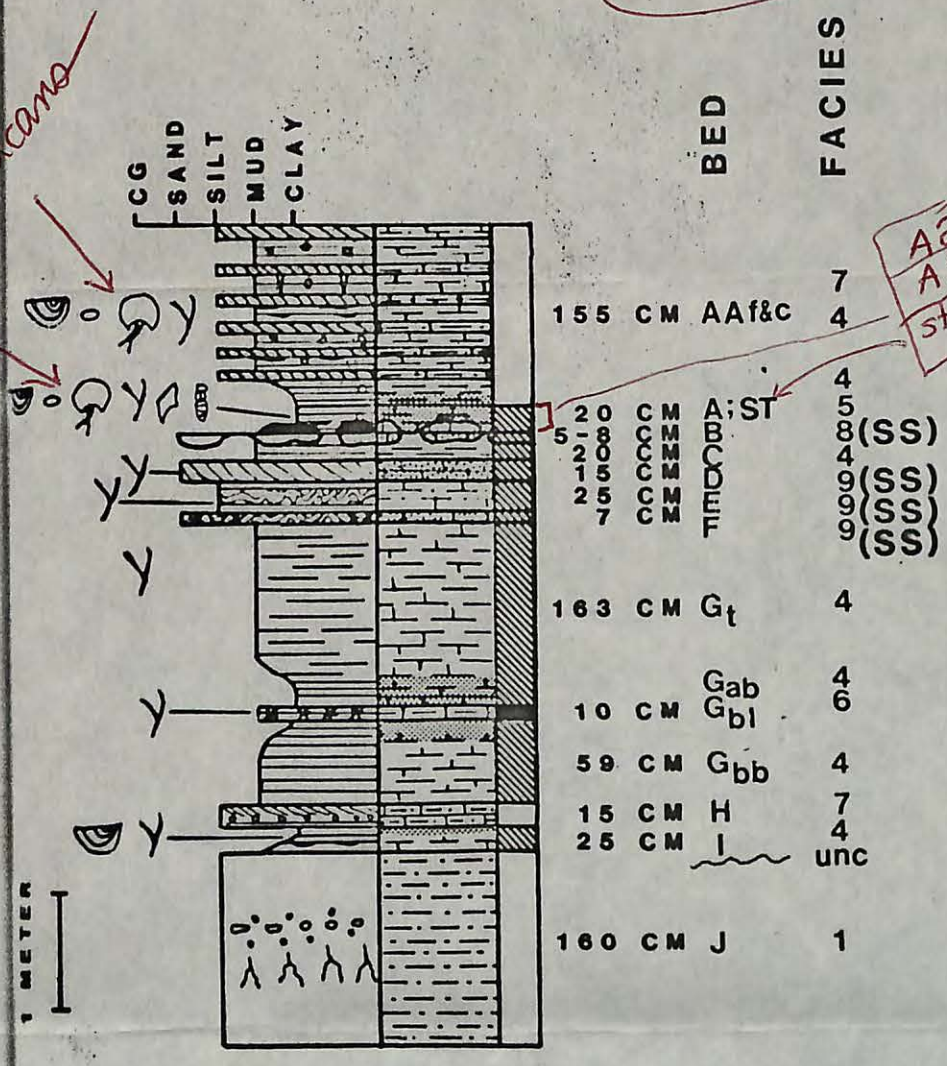
SECTION G-5



BED	FACIES
G	4
F	4
E	8(SS)
D	2
C	8(SS)
B	1
A	2

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SECTION G-1



Hunt Institute for Botanical Documentation

20 February, 1984

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

Dear Pam:

As you know from my communication about the problems course, I am finally getting ~~outtth~~ C.B. samples!

Last semester I used your samples G5A1 and G 1A1 as the demonstration samples for teaching processing methods. A couple of weeks ago I completed the processing of the residues and began studying the slides.

Sample G5A1 produces a sparse but quite well preserved palynoflora, of which 99.9% is one species: Patinasporites densus. The other specimens are 1-2 species of Corollina, including at least C. torosa and C. meyeriana.

Sample G1A1 yields a very rich palynoflora, dominated by Patinasporites densus, as in G5A1, but this sample is rich in other forms: bisaccates, monosulcates, trilete spores. Unfortunately, preservation is a problem, however— the bisaccates are mostly not identifiable, though Alisporites spp. and Klausipollenites are evident. Corollina torosa, C. meyeriana and other Corollina species, probably including C. murphyi are present. The fern spore referred to by Cornet as Ischyosporites sp. is also present (I'm pretty sure the genus name should be something else).

The richer flora enables me to do more with the age-fix on G1A1, but the truth is that the two samples are probably the same age. What age? That's interesting. Cornet will permit Patinasporites densus only to beginning Rhaetian, Visscher only to top Tuvalian (Carnian)in Europe). However, the Corollina assemblage cannot be expected until Rhaetian. Cornet's "Ischyosporites marburgensis"is really a Jurassic form, with just a start in the latest Rhaetian. The Alisporites forms are no earlier than Rhaetian, The Patinasporites is so very well preserved and abundant that it has to be primary. Rhaetian, quite late Rhaetian, despite previous Patinasporites info would be my date for both samples.

Let me know what you think.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: 3 charts
P.S. Do I have a geographic location map and geologic info for these samples?

Hunt Institute for Botanical Documentation

13 December, 1983

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

Dear Pam:

Sample T-3E came in good shape and looks lithologically perfect. As I've aaid before, your samples are first up the minute I get a slight respite.

All the best for the holidays and for a great 1984 for you!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

21 November, 1983

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

Dear Pam:

When I saw the envelope was from you I felt glad to hear from you but bad that I haven't made more progress with your samples. I have several of them in various stages of preparation, but something always seems to come up. You have sensed correctly that $$ are the problem--I have 3 NSF projects and, in addition I have consulting jobs for which I hire graduate students to do some of the labor. The Culpeper samples therefore always get shoved back. However, I swear I will get T-3E done, as well as G-1A and G-2 and G-5F, which are already partly processed. So much for the excuses.

We just did a job for SUNY (Dveonian)- and I charged $25 a sample. It didn't work out--I had to pay the graduate student more in wages than that, and of course we have to pay for lab charges such as chemicals too. I'm still feeling my way on this, but I have the impression that $50 a sample is an absolutely minimal figuregeper sample, and it would be more if there are only one-two samples. I pay the graduate students pretty well (well above minimum wage), and there is inevitably a good deal of my time involved too. I have foundda little corporation ("Travspore, Inc.") to handle this "business", and it has already helped several graduate and undergraduate students a lot. As I say, the fee schedule is still in flux. I don't want to make a fortune, but we can't afford to lose money on it either. Perhaps to allow for possible inflation of the rates, you should budget a bit more ($75 a sample?). If it works out that we can do it for less, you can run more samples.

Hope all goes well for you. Emory sure has nice stationery. Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
P.S. If there is an "order" for Travspore, or whatever, send it to:
RD 2, Box 390, Huntingdon, PA 16652.

Hunt Institute for Botanical Documentation

EMORY UNIVERSITY
Department of Geology
Atlanta, Georgia 30322
404/329-6491

November 15, 1983

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

Dear Al:

I am sending sample T-3E to you. As I mentioned in a previous letter, this sample is critical because it presumably is near the Triassic-Jurassic boundary, and because it may be the highest occurrence of Cyzicus in the Culpeper Basin. I also would like dates on G-1A, G-2, and G-5F, because these beds contain notostracans. Your letter noted that you were puzzled by "G-5 (E, F or G?)". For outcrop G-5, I believe I sent samples to you from beds A_1, A_2, D, E, and F. These would be labelled G-5 D, G-5 E, G-5 F, etc. I have rechecked my notes, and the notostracans are present in bed G-5 F (so this is the sample I wish dated; if barren, perhaps G-5 E or G-5 F may contain some pollen). I hope this clears things up.

Regarding funding, I anticipate applying for a grant in the near future. Can you let me know what type of support or payment you would require from me to examine the Culpeper Basin samples (and any additional samples I may wish to send)? What is the typical charge?

Thank you for your help.

Sincerely,

Pamela J. W. Gore

Pamela J.W. Gore
Asst. Prof. Geology

PJWG/ea

Hunt Institute for Botanical Documentation

Pamela Gore
1983

Contents of this box:

Box 1

file as correspondence

C-1 B
C-1 C
C-1 D
C-1 E
C-1 F
C-1 H

G-1 AA4
G-1 A1
G-1 A2
G-1 B
G-1 C
G-1 D
G-1 E
G-1 F
G-1 G upper
G-1 G mid black
G-1 I (top of I)
G-1 I (lower I)

These boxes are in one cover box

G-2

Core D-5, Box 13, 138'2"

8/B C
8/B F
8/B K
8/B O
8/B Q

8/D A
8/D B
8/D C
8/D H1 -H4

8/K2 BOX 1
8/K2 BOX 2
8/K2 BOX 3

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Box 2

1983

Contents of this box:

MID-1 C
MID-1 D
MID-1 F
MID-1 G
MID-1 H

MID-2 E

G-3 B
G-3 C
G-3 H
G-3 I
G-3 J
G-3 L
G-3 N1
G-3 N2
G-3 N3

G-5 A1
G-5 A2
G-5 D
G-5 E
G-5 F

G-8 B
G-8 C (top of C)
G-8 C (mid - base)
G-8 D

G-7 A
G-7 B
G-7 C
G-7 D

8/G2 & 3 - A
8/G2 & 3 - C

8/H - E

MID - 3

8/E

Core, Box 50, 497'10"
Core, Box 29, 297'10"
Core, Box 39, 387'11"
Core, Box 48, 486'0"-2.5"
Core, Box 5, 63'8"
Core, Box 21, 215'
Core, Box 19, 198'4" (D-5)

Hunt Institute for Botanical Documentation

21 September, 1983

Dr. Pamela Gore
Departmento of Geology
Emory University
Atlanta, GA 30322

Dear Pamela:

Congratulations on all of the big changes. Thanks for the neat slide--I think for the moment that'll do it as to slides.

Do send me sample T-3. We will get to G-1A, G-2, G-5--but please let me know what you meant by the "(E, F or G?)" in line 2 of para. 4 and 1. 4-5 of para. 4, p. 2.

Regarding the other samples, I'd say that has to be a when-possible deal, unless you get funded in a way that would help. We have to do the things we're paid for first. However, I think we'll get to it eventually!

Once again, all the best to you in your work and with your new position in the heart of CNN-land.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

28 April, 1983

Ms. Pamela J. Gore
Department of Geology
George Washington University
Washington, DC 20052

Dear Pam:

Weren't you going to send me numbers of 2-3 critical samples? Or did it misfire, or something? Also, where did we leave the question of the 2x2 slides--I was going to send you several but can't recall which ones.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

P.S. Decided to go with memory on slides — They're enclosed

AT/et

Hunt Institute for Botanical Documentation

THE
GEORGE
WASHINGTON
UNIVERSITY
Department of Geology / Washington, D.C. 20052

August 19, 1982

Dr. Alfred Traverse
The Pennsylvania State University
Deike Building, 435
University Park, Pennsylvania 16802

Dear Dr. Traverse:

I am finally sending you some samples of the gray beds from the Culpeper Basin. I am sorry to be so slow in getting them together, but I was occupied through July with comprehensive exams. I am sending 72 samples from 16 outcrops and one core. Some of the rocks may not be suitable for analysis, but because I am not certain of the exact type of sample you need, I decided to send samples of most of the gray rocks I have here in the lab. You can select the "best" samples for analysis. A few of the samples are from outcrops studied by Bruce Cornet (labelled 8/whatever), so you may prefer not to do these to avoid duplication of effort. (I am not sure of the dates of these samples, however.) I am particularly interested in dating (and possibly correlating) samples from outcrops G-1, G-2, and G-5.

I hope you will be able to get something from these samples. Thank you for your interest in them.

If you and your student(s) would like to visit, collect, and advise, you are welcome at any time. I expect to be doing some more fieldwork in the fall.

Thanks again for looking at the samples.

Yours truly,

Pamela J. Gore

Pamela J. Gore

Hunt Institute for Botanical Documentation

7 October, 1982

Ms. Pamela J. Gore
Department of Geology
The George Washington University
Washington, DC 20052

Dear Pamela:

As far as I can tell I never have answered yours of 19 August. I guess I had put it in my in-box awaiting arrival of the samples, and the letter got buried. The samples have arrived, but I haven't done anything with them, and may not for a while. As you can imagine, 72 samples is quite a challenge! I have a new graduate student arriving in late November or December, and I may turn them over to him to work on. I appreciated the invitation to get together with you, possibly for joint field work, but I suppose this won't happen for a while. I am torn in many different directions by various obligations, and sometimes the wheels grind dreadfully slowly! Please be patient.

All the best to you in your work.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

5 May, 1982

Ms. Pamela J. Gore
Department of Geology
George Washington University
DC 20052

Dear Pamela:

Thanks for yours of 28 April. Look forward to the samples. We really should get together somehow to select samples, so that I could teach you what to collect. Many reports of "barren" actually are explained by poorly selected samples. For example, I just processed a sample for Kelvin Ramsay from his "mini-basin" in Virginia. It was barren, but I almost knewwit would be: 1) too sandy (coarse), and 2) too weathered (lichens and even a moss-!-on the surface). Siltstones from cores are the best. But fresh roadcuts are also very good, etc. Do you have cores available? Are there fresh outcrops available? Perhaps a student and I could visit to collect and advise?

As far as maps etc. are concerned, I'd say let's defer that until later. The first problem is to generate some floras.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Hunt Institute for Botanical Documentation

THE
GEORGE
WASHINGTON
UNIVERSITY
Department of Geology / Washington, D.C. 20052

April 28, 1982

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

Dear Dr. Traverse:

I enjoyed talking with you at the Geological Society of America Meeting, and at the Newark basins dinner-meeting.

I appreciate your interest in a palynological study of the Culpeper Basin, and plan to send you some sediment samples soon. Bruce Cornet suggested that in addition to age determinations, intrabasin correlation using pollen assemblages should be possible. This would be extremely useful in the Culpeper Basin.

What information should I send you with the sediment samples? Do you need stratigraphic sections, or maps with locality information? Or would you prefer to sort this out later?

I am extremely interested in a palynological study of the Culpeper Basin sediments, as this will be an important contribution to the stratigraphy of the Newark Supergroup. I hope that we will be able to publish a paper based on this research. Thank you for your interest in this problem. I hope to hear from you soon.

Sincerely,

Pamela J. Gore

Pamela J. Gore

Hunt Institute for Botanical Documentation