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

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



We regret to announce that our friend

Professor Gunnar Erdtman

died on February 18th, 1973

Members of the Palynological Laboratory,

Sweden

Hunt Institute for Botanical Documentation

December 17, 1969

Prof. Dr. G. Erdtman
Palynological Laboratory
Nybodagatan 5
Stockholm-Solna
Sweden

Dear Prof. Erdtman:

It was a pleasure for my wife and me to renew acquaintance with you at the International Botanical Congress in Seattle last August.

I am writing with reference to a question which I understand my associate, Mr. Ames, has already taken up with you; that is, the question of the effective date of publication of volume V, no. 2, of Grana Palynologica. According to a letter which Ames has shown me, you stated that this number was printed on 28 December, 1964. The problem is that according to the International Code of Botanical Nomenclature, which we are committed to follow, it is not the date of printing, but the date of "distribution" which counts. What we need to know so that we know whether to quote Dr. Pocock's paper as "1964" or "1965" is when the first copies were mailed out or otherwise made available for distribution. It is possible, of course, that some copies were actually delivered to subscribers on the same day that they were printed, but it seems unlikely. I'm very sorry to trouble you about what must seem a trifling matter, but one cannot be too careful to get things right. Would you let me know as soon as convenient whether it is possible to determine when the first copies of volume V, no. 2, were made available for distribution, either by mailing or hand delivery? I would very much appreciate your help in this matter.

Seasons greetings to you and Mrs. Erdtman, and I hope that 1970 will be a prosperous and peaceful year for you.

Yours very truly,

Alfred Traverse
Editor
Catalog of Fossil Spores and Pollen

AT:kc

bcc H. Tate Ames

June 17, 1969

Professor Dr. G. Erdtman
Palynologiska Laboratoriet
Nybodagatan 5, 171 42 SOLNA
Sweden

Dear Professor Erdtman:

We are very grateful to you for the permission to cover papers from Grana Palynologica in the Catalog of Fossil Spores and Pollen. This sort of cooperation is essential if we are to make the Catalog a really useful tool. Thank you very much.

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

vsi



PALYNOLOGISKA LABORATORIET

NYBODAGATAN 5, 171 42 SOLNA - TEL. 82 66 19

June 13, 1969

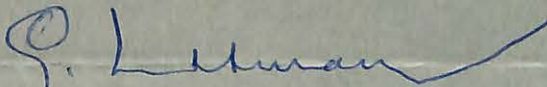
Dr. A. Traverse
Department of Geology
Pennsylvanian State University
University Park
P e n n a 16802
U.S.A.

Dear Dr. Traverse:

I herewith grant you permission to reproduce descriptions of any new taxa of Prequaternary microfossils published in Grana palynologica Vols. 1 - 8 (and Vol. 9 provided that the said volume appears in 1969 or 1970 in the same size and lay-out etc. as the previous volumes).

There will be a change in the size and lay-out of the Grana as from 1970. Correspondance regarding Grana as from 1970 should be directed to The President, Collegium palynologicum scandinavicum, address Palynological Laboratory, Nybodagatan 5, 171 42 Solna, Sweden.

Sincerely yours,


G. Erdtman



after copy - please file

PALYNOLOGISKA LABORATORIET

NYBODAGATAN 5, 171 42 SOLNA - TEL. 82 66 19

June 13, 1969

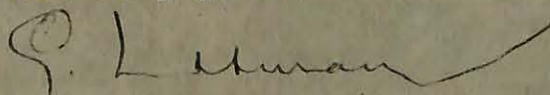
Dr. A. Traverse
Department of Geology
Pennsylvanian State University
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P e n n a 16802
U.S.A.

Dear Dr. Traverse:

I herewith grant you permission to reproduce descriptions of any new taxa of Prequaternary microfossils published in *Grana palynologica* Vols. 1 - 8 (and Vol. 9 provided that the said volume appears in 1969 or 1970 in the same size and lay-out etc. as the previous volumes).

There will be a change in the size and lay-out of the *Grana* as from 1970. Correspondance regarding *Grana* as from 1970 should be directed to The President, Collegium palynologicum scandinavicum, address Palynological Laboratory, Nybodagatan 5, 171 42 Solna, Sweden.

Sincerely yours,


G. Erdtman

May 26, 1969

Prof. G. Erdtman
Palynological Laboratory
Nybadagatan 5
Stockholm-Solna
Sweden

Dear Professor Erdtman:

I wonder if we could "take another reading" on the question of the Catalog of Fossil Spores and Pollen covering new species and genera published in Grana Palynologica? Mr. Ames, Associate Editor of the Catalog, has previously written you about this subject. We had a letter from you dated 4 March, 1968, stating that you might be willing to take another look at the situation in "a year or two". One thing which puzzled us somewhat is that you said it was all right to cover one of Dr. Guennel's papers in a letter dated 24 October, 1967. I enclose a copy of the letter in question. Dr. Guennel was here yesterday and reiterated his approval for us to cover his paper, and Dr. Pocock has told me by telephone that he does not object to his paper being covered (it was this paper about which Mr. Ames wrote you in his letter dated 19 February, 1968). Inasmuch as only the new taxa--species and genera--are involved, not the whole paper, it is difficult for Dr. Kremp, Dr. Spackman, the other members of our editorial group, and I to see how our coverage would in any way curtail the sale of Grana Palynologica. Indeed, coverage in the Catalog might be "good publicity" for Grana.

I do hope that you will see fit to give us permission to cover the new taxa which appear in Grana Palynologica (presuming that we also have the authors' permission) because we feel that it is contrary to the best interests of science if the Catalog is cut off from Grana.

Yours very truly,

Alfred Traverse
Editor
Catalog of Fossil Spores and Pollen

Enclosure: letter of
24 October, 1967



Vol 32

STATENS NATURVETENSKAPLIGA FORSKNINGSRÅD
PALYNOLOGISKA LABORATORIET
NYBODAGATAN 5, STOCKHOLM-SOLNA - TEL. 826619
PROFESSOR GUNNAR ERDTMAN

Solna, October 24, 1967.

Editor
Catalog of Fossil Spores & Pollen
Deike Building
The Pennsylvania State University
Organic Sediments Laboratory
U n i v e r s i t y P a r k, Penn. 16802
USA

Dear Sir:

You are of course permitted to republish Mrs. Guennel's paper.

Sincerely yours,

Gunnar Erdtman / V. O'Kona
Secretary
Gunnar Erdtman

February 19, 1968

Prof. Dr. G. Erdtman
Palynological Laboratory
Nybodagatan 5
Stockholm-Solan
Sweden

Dear Dr. Erdtman:

The editors of the *Catalog of Fossil Spores and Pollen* are now planning the contents of Vols. 33-36. We would very much like to cover Pocock, 1964, "Pollen and Spores...upper Mannville strata of the Saskatoon area of Saskatchewan," *Grana Palynologica*, vol. 5, no. 2, pp 129-209, in Vol. 35 of our *Catalog*. Final assignment will be made following receipt of the publisher's and author's permissions.

Normally we employ a form letter to request permission to republish, but I thought it better to contact you personally. We are looking forward to working with a publication of the quality of *Grana Palynologica* very much indeed. The wide distribution of *Grana Palynologica* has caused us to postpone treatment of the fossil taxa published in it until now. We would now like to cover the backlog of papers you have published and new taxa as they appear. If you are willing, a general letter of permission to republish protolog materials from *Grana Palynologica* would expedite our integration of the taxa into the *Catalog*.

Furthermore, we have run into a question of priority regarding certain taxa reported as new in Pocock, 1964, and in Singh, 1964. Therefore, to resolve this problem I would like to know the exact date of publication or distribution of *Grana Palynologica*, vol. 5, no. 2.

Again, please accept my compliments on your excellent journal, and our appreciation of your cooperation in granting us permission to republish systematic information from *Grana Palynologica*.

Sincerely yours,

H. Tate Ames
Associate Editor
Catalog of Fossil Spores and Pollen



STATENS NATURVETENSKAPLIGA FORSKNINGSRÅD
PALYNOLOGISKA LABORATORIET

NYBODAGATAN 5, STOCKHOLM-SOLNA - TEL. 82 66 19

PROFESSOR GUNNAR ERDTMAN

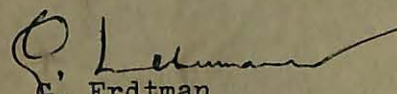
Solna, March 4, 1968.

Mr. H. Tate Ames
Associate Editor, Catalog of Fossil Spores and Pollen
Deike Building
The Pennsylvania State University
University Park, Penn. 16802
USA

Dear Dr. Ames:

Your letter of February 19 is at hand. I understand your program and your points of view. On the other hand: Grana is an entirely private undertaking and has no support except by "the pollen grains and spores themselves". Under these circumstances I hope that you will admit that we should not permit republication of any papers in Grana, at least not at present. If our status changes (maybe in a year or two) things will probably be different.

Sincerely yours,


G. Erdtman



STATENS NATURVETENSKAPLIGA FORSKNINGSRÅD

PALYNOLOGISKA LABORATORIET

NYBODAGATAN 5, STOCKHOLM-SOLNA - TEL. 826619

PROFESSOR GUNNAR ERDTMAN

Solna, December 13, 1968


Dr. A. Traverse
Department of Geology
Deike Building
University Park
Pennsylvania 16802
U.S.A.

Dear Dr. Traverse,

I have seen a copy a recent letter from you to J. Rowley. This makes me inform you that we are publishing in Grana another paper by Shaw & Yeadon in Vol. 8:2-3, 1968. They i.a. speak of carotinoids and carotinoid esters.

Season's Best Wishes,

Yours sincerely,


G. Erdtman

5 March, 1968.

Dear Dr. Traverse,

I return these comments with many thanks. I will follow the underlined suggestions. Thanks you for the nice lines in your special letters.

Sincerely

G. Erdtman

"Some terminological matters"

file →

by G. Erdtman, S. Nilsson, J. Praglowski

Palynological Laboratory, Nybodagatan 5, Solna,

Sweden, January 1968.

Travis-Smith & Jensen, avoid Latin (which most people do not master) and use plain, understandable, preferentially English words?

Comments:

I do not understand what you mean. Bacule is an English word for Baculum. Baculae (Fægri & others) is wrong, likewise baculli (Hardy if a remainder correctly ed.)

p. 4: Bacule. Should an effort be made here and elsewhere to compare terms with other ± related ones?--in this case to baculum, columella.

p. 5, 1. 1: "preferable" is a poor choice of word--it means with reference to somebody's preference. I believe you mean "usually" or perhaps "preferentially".

p. 5, 1. 4: acetolysis-resistant? (cf. waterproof and water-resistant)

p. 6, 1. 2: "pedium"--is this really a necessary term? It is good acc. to Fægri (letter)

p. 6: "Nexine 1 and 2" information is not easy to understand. See fig.!

p. 6: I suggest acetolysis-resistant (not-proof, vide supra)

p. 8, 1. 1: Suggest "light microscope", the term in common usage in English. cf. Electron microscopy, Photon microscopy -- not in use in the USA

Friday, but to-morrow, look at Frahm, prof. site in Germany, etc.

p. 9: "subsaccate"--is this a useful term? Isn't a grain either saccate or not? cf. subpilose etc.

p. 9-10: The "treme" classification is too cumbersome--I wonder if it is really functional, but I am very glad to have a definition of "goniotreme"--I encountered it in the foreward to Kremp's "Morphologic Encyclopedia" and [as I wrote in my review, Economic Botany, 20 (1966) 468] was bemused to find it not listed in the text of Dr. Kremp's book!

no uni-aperturate (Latin) is more cumbersome than 1-Trema (Greek)

No! I wonder if "monotreme" ought not to be replaced by "unitreme"--since "monotreme" is already used for a group of primitive mammals (and what

about F. & Jensen unnecessary term columellae (there are columellae in the mosses too!!)

Alfred Traverse
Alfred Traverse
Associate Professor of Geology

or please use 'foot-layer' if you think that that word is a better counterpart to Fectum. I have told my good friend G. about this.

February 28, 1968

Dr. Gunnar Erdtman
Palynological Laboratory
Nybodagatan 5
Solna, Sweden

Dear Dr. Erdtman:

Many thanks for the packet of reprints by yourself, John Rowley, Erika Stix, B.S. Venkatachala, S. Chanda, and others. One is always filled with awe at your laboratory's productivity. I was especially interested in the comments on the pollen of *Restionaceae* (Indeed one wonders whether some remote connection with the grasses might not be indicated?). Your continuing work with the scanning electron microscope, accounts of which so entertained us on your absence at Utrecht, is also most interesting.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc



STATENS NATURVETENSKAPLIGA FORSKNINGSRÅD
PALYNOLOGISKA LABORATORIET

NYBODAGATAN 5, STOCKHOLM-SOLNA - TEL. 82 66 19

PROFESSOR GUNNAR ERDTMAN/vok

Dr. A. Traverse
Shell Development Company, 3737,
Bellaire Blvd
H o u s t o n 25, Texas

Solna, March 22, 1966.

USA

Dear Dr. Traverse:

Just a line on "Preparation of Modern Pollen etc.", p. 598 etc. in Kummel-Raup:

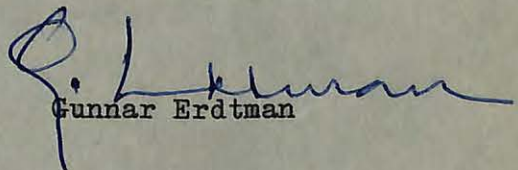
P. 601: "Polleniferous" is not correct. It should be, as I have written many times, polliniferous. Flowers are pollinated, not "pollenated", and some plants have pollinia, not "pollenia".

Leading organic chemists - e.g. Karl Myrbäck and my brother Holger Erdtman in this country - say that it is quite correct to write "acetolysis" (instead of "acetylation") (cf. your foot-note, p. 602). Acetolysis simply means "treatment with acetolysis mixture". What exactly happens with the great array of complex compounds during this treatment no chemist, I think, can tell. It is, therefore, neutral to speak of "acetolysis".

In your schedule C, p. 611, point 4, you say that you wash with glacial acetic acid before washing with water. This is unnecessary, as stated by myself already in 1934 (or 1933).

x) Yellow filter has been used when taking the photographs p. 627, 628. Although not too well reproduced in the book, they are considered to be good in spite of the fact that glacial acetic acid was not used before final washing with water.

Yours sincerely,


Gunnar Erdtman

x) your ideas concerning filters do not seem to correspond with those of our "master-photographers", Mr. Samuelson. Cf.

This contribution to ~~the~~ Botanical Documentation. G.E.

29 March, 1966

Professor Gunnar Erdtman
Palynologiska Laboratoriet
Nybodagatan 5
Stockholm-Solna
Sweden

Dear Professor Erdtman:

It was good to hear from you. I well remember my week at your laboratory in 1955. Indeed, every time we use our Gense stainless steel ware that I bought while visiting you I am reminded of that pleasant interlude.

Regarding the orthographic points you have raised--I have mellowed a great deal about that sort of thing and am no longer very missionary-minded on the subject. However, since you have raised the point and since your native language is not English, let alone American English (which in many respects is different from British English), perhaps it would be helpful if I did make a comment.

In American English, it is not possible, really, to say such-and-such is "not correct". Our procedure is to follow usage. For example, the spelling "nite" for night is coming more into use in this country and will probably be the accepted spelling in a few years.

Accordingly, I would have to admit that for what we do in the palynological laboratory with acetic anhydride and sulfuric acid, "acetolysis" is the accepted term, mostly because it is the word that you use. I remain convinced that since the mixture used is not acetic acid but acetic anhydride, the proper term would be acetylation, and I personally shall continue to use it, just as I would vote against the war in Viet Nam, even if I were the last headout against it! And, within the context of American English, nobody can say I am incorrect or wrong, but only that I am off-center.

Regarding polleniferous, I argue similarly, and again I would refer you to the Webster's Unabridged Dictionary of American English, which recognizes "pollenize" (only spelling), "pollenate" and "pollenation" (alternate spellings). I refer to the new, 3rd edition, which has not been widely accepted. In the 2nd edition, which most American scholars still prefer, "polleniferous" (and "pollenigerous") are listed as alternate spellings. "Pollenophagous", in the 2nd Edition, is the only spelling.

I did not make a mistake in using "polleniferous", I simply prefer the spelling. I believe that in the future I shall also use "pollenate" and "pollenophagous", if I should have occasion to use such words. Who knows?--others may follow me.

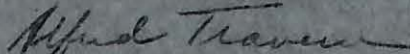
Re glacial acetic washing. I have some rather equivocal evidence that materials I treated this way come out cleaner, and hence less likely to deteriorate. Since it is so little extra trouble and so much energy is already invested at that point, I have seen no reason to change. In view of what you say (I presume based on long experience), perhaps I should change.

Re filters for photomicrography: what filter is used depends on how the pollen is prepared, especially with what it is stained, or whether it is stained at all. I repeat that, based on experiments with a long series of Eastman filters, the best filter for photographic work with acetylated pollen is a light green filter, assuming a panchromatic film. Mr. Samuelsson may not have been using a panchromatic film. Practically all black and white film available in America is now panchromatic.

As you will note from the above address, I am located here temporarily as visiting lecturer in Geology. It is not certain where I'll be next year as yet. I have been employed during the last four years as a palynological consultant, part-time, but I have devoted most of the time during those years to study of theology. It has not been my intention to abandon palynology, however, and I intend to serve only as a part-time, unpaid, clergyman (I am an ordained Episcopal cleric now).

With very best wishes and the fond hope that I may be so fortunate as to see you again one of these years, I am

Yours very truly,


Alfred Traverse

Palynological Laboratory,
Nybodagatan 5, 21,
STOCKHOLM-SOLNA,
S w e d e n.

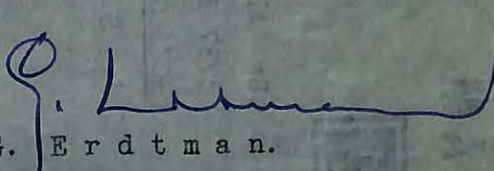
11th August, 1958.

Dr. Alfred Traverse,
3737, Bellaire Boulevard,
HOUSTON 25, Texas,
U. S. A.

Dear Dr. Traverse,

In reply to your letter of August 5, the
address of Mr. S. Rastgeldi is Skeppargatan 57,
Stockholm Ö. The centrifuge is not yet on
the market however.

Yours sincerely,


G. Erdtman.


August 5, 1958

Professor G. Erdtman
Palynological Laboratory
Nybodagatan 5
Stokholm-Solna
Sweden

Dear Professor Erdtman:

Professor E. S. Barghoorn recently told me about a continuous centrifuge developed by a Turkish doctor he says he met at your laboratory. The device sounds very interesting to me, and I would like to get more information about it. Unfortunately, Professor Barghoorn is unable to find his reprint about the device. He suggests that I write to you about the address. The man's name is Selahaddin Rastgeldi. Can you let me have his address?

Yours,



Alfred Traverse

AT:pjd

Shell Development Company
Exploration and Production Research Division



PALYNOLOGISKA LABORATORIET

RANHAMMARSVAGEN 22, BROMMA TEL. 26 13 14

PROFESSOR GUNNAR ERDTMAN

22nd September, 1956.

Dr. A. Traverse
Shell Development Company,
3737, Bellaire Boulevard,
HOUSTON 25,
T e x a s,
USA.

Dear Dr. Traverse,

Many thanks for your interesting letter.
Neustadt's bibliography is being sent to you to-day
by ordinary mail (registered); price, including
postage, \$2.50.

After October 7th my address will be c/o. Birbal
Sahni Institute of Palaeobotany, 53, University Road,
Lucknow, U.P. India, where I shall be until March 1957.

With kind regards,

Yours sincerely,

G. Linnarsson

P.S. Pollen and Spore Morph. II:a (Gymnosperms,
Pteridophytes, Rhynophytes) will probably be printed
this year or early next year. The MS is ready.
You know that I am interested in pollen & spore
morphology & terminology. I understand that,
i.e., Dutch geologists are much in favor of Treuseu's
terminology. In the long run it will, however, be better
— also to oil geologists — to apply a strict terminology
founded on as many facts as possible — and not only on
angiospermous pollen types from NW-Europe

September 18, 1956

Professor Dr. Gunnar Erdtman
The Palynological Laboratory
Ranhammarsvägen 22
Stockholm-Bromma
Sweden

Dear Dr. Erdtman:

It was a pleasure, as always, to hear from you this morning. I have not received a copy of Neustadt's bibliography and would like to have the one you mention. Would you have me billed personally for the item? I suppose it comes from Almqvist & Wiksell.

There is, indeed, palynological news from this country. For one thing, the impact of the petroleum industry on the science of palynology is becoming greater every day. Sun Oil Company has opened a new laboratory in Dallas, Texas, with Charles Felix in charge. He is a student of Henry Andrews and had been working with James Schopf, of U. S. Geological Survey. Shell Oil Company has started a new laboratory to do service work for the various production regions. This laboratory will be located in Houston and will act in cooperation with my research laboratory, though the sorts of work done in the two laboratories will be quite different. A Dutch palynologist, Van Raadsheoven, has come here from Maracaibo, Venezuela, to initiate the work, and an American will soon be hired to train under him. Several other oil companies are planning laboratories, according to what the newspapers would call "reliable sources".

The annual meetings of the Paleobotanical Section of the Botanical Society of America, were held again this year with the American Institute of Biological Sciences. This year the A.I.B.S. met at the University of Connecticut, Storrs, in late August. The meetings included two sessions on palynology, and there were about ten papers, very lively discussions and an excellent attendance. Most of the papers were on various aspects of palynological systematics. A development that will interest you is that I spent the week before the meetings with Gerhard Kremp in State College, Pennsylvania, and persuaded him that he should get out a catalog of fossil pollen and spores comparable to that the foraminifera people have. He is going forward with the idea. It will be published as the Pennsylvania State University Catalog of Fossil Pollen and Spores, unless something unforeseen happens to prevent the publication. The Catalog will be published on large cards suitable for punching for punched-card systems; the cards can also be kept in looseleaf notebooks or

Professor Dr. Gunnar Erdtman

2

in a file cabinet. I am convinced that this Catalog can make a great contribution to the science of palynology, if Kremp pushes it through.


Presumably you have heard all about the 3rd National Pollen Conference held at Oberlin College, in May of this year. Dr. Iversen was present and played a prominent part in the program. There were about fifteen papers and a very good field trip to various localities in northern Ohio of more or less palynological interest. Over fifty persons were registered for the meeting. It was the largest turnout of people at a pollen meeting in the history of the science on this continent, as far as I know.

My own work moves ahead with less speed than I would like, due to the slowness of suppliers of laboratory equipment in getting needed items to me.

Does your planned trip abroad include North America in the itinerary? We would like to arrange for you to come here, if such is the case.

With best wishes for you and for Mrs. Erdtman, I am,

Yours,


Alfred Traverse

AT:rlg

Shell Development Company
Exploration and Production Research Division

September 1, 1956.

Dr. A. Traverse,
Shell Development Company,
3737, Bellaire Boulevard,
H O U S T O N 25,
T E X A S, U. S. A.


Dear Dr. Traverse,

I have a copy of Neustadts bibliography here.
Have you already received a copy or do you wish me to
send this one to you? Your reply, if sent by air, will
reach me before leaving Stockholm in October for a sojourn
abroad.

Any news from the palynological meetings and frontiers
in the U.S.A.?

With kind regards,

Yours sincerely,



Professor Gunnar Erdtman

The Palynological Laboratory,
Ranhammarsvägen 22,
STOCKHOLM-BROMMA,
S w e d e n.

April 16, 1956

Dr. G. Erdtman
Palynologiska Laboratoriet
Ranhammarsvägen 22
Stockholm-Bromma
Sweden

Dear Dr. Erdtman:

Thank you for your letter of a week ago. It will be interesting to see whether you will be able to obtain a copy of the Soviet bibliography. Of course, I shall be delighted to get a copy of the thing, if possible.

The news about the second number of Grana Palynologica is good. Some time ago I placed a standing order with Almquist and Wiksell to receive G.P. as it appears. I hope that the order was sufficient, and that I will receive the second number in due course. I am hopeful that I can be a contributor to the next number!

With best wishes as ever.

Very truly yours,



Alfred Traverse

AT:hmp

Shell Development Company
Exploration and Production Research

April 6, 1956.

Dr. A. Traverse,
3737, Bellaire Boulevard,
H O U S T O N 25,
TEXAS,
U. S. A.

Dear Dr. Traverse:

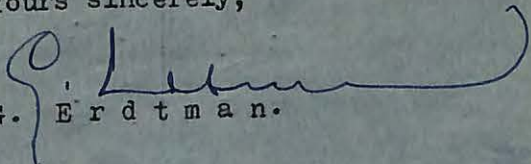
I received your letter of March 30, and have immediately written to Professor Neustadt, Moscow, and asked him to send me some copies of his bibliography.

If I receive them I will forward one on to you.

Grana Palynologica I:2 (250 pages) is ready and will be distributed to those who have ordered it late this month or in May.

With best wishes,

Yours sincerely,


G. Erdtman.

March 30, 1956

Prof. Dr. G. Erdtman
Palynologiska Laboratoriet
Ranh. 22
Bromma, Sweden

Dear Dr. Erdtman:

I thought you would be interested in the disposition of the request placed with Almquist & Wiksell for a copy of Neustadt's publication on palynology in the Soviet Union. The attached letter is self-explanatory and rather surprising!

Dr. Iversen was here for three days last week, and I hope enjoyed the small number of things I was able to show him. I am still not very well set up. We had an interesting trip to a nearby deltaic formation on one of the days. I am thinking of trying to do something with the pollen in the sediments being formed in the delta.

Best wishes as ever.

Very truly yours,



Alfred Traverse

AT:hmp

Attachment

Shell Development Company
Exploration and Production Research

February 3, 1956

Dr. G. Erdtman
Palynologiska Laboratorier
Ranh. 22
Bromma, Sweden


Dear Dr. Erdtman:

The address of W. C. Darrah, which you requested
that I send to you, is:

Spruce Hill, R. F. D. 1
Gettysburg,
Pennsylvania

At the moment, as you can imagine, I am pretty
much overwhelmed with getting settled here. I am going
through my notes from Bromma this morning and remembering
again how much I profited from the experience I had with
you in November.

Very truly yours,


Alfred Traverse

AT:bjs

Shell Development Company
Exploration and Production Research Division

Professor Dr. G. ERDTMAN,
Palynologiska Laboratoriet,
Ranh. 22,
B R O M M A,
Sweden.

The Hague, 2nd December 1955.

Dear Professor Erdtman:

My visit with you, Mrs. Afzelius, and the others at Ranh. 22, was most enjoyable and profitable for me. I have the firm conviction that I only scratched the surface of the things that it would have been good for me to have done in Bromma, but perhaps there will be another opportunity at some time in the future. I certainly appreciate all of the valuable time that you so generously devoted to me during my visit.

The trip to and from Bergen on the mountain railway was very interesting, though a little too long to suit me. I think that in the future I would rather fly, despite the beautiful scenery. The Faegris were very nice to me, and I thoroughly enjoyed my short visit in Bergen. Professor Faegri and I spent a large portion of our visit together talking about the questions of sporoderm stratigraphy that you and I also discussed. It seems to me that the really crucial issue (aside from the relatively unimportant question of whether one should speak of nexine or endexine, etc.) is that of whether the sporoderm is or is not homogeneous in microstructure. This should surely be amenable to conclusive investigation.

Thanks again for a very nice time.

Yours very truly,

A. Traverse,
c/o N.V. DE B.P.M.,
GA/Pal. Lab.,
30, S.v. Bylandtlaan,
The Hague, Holland.

File under date

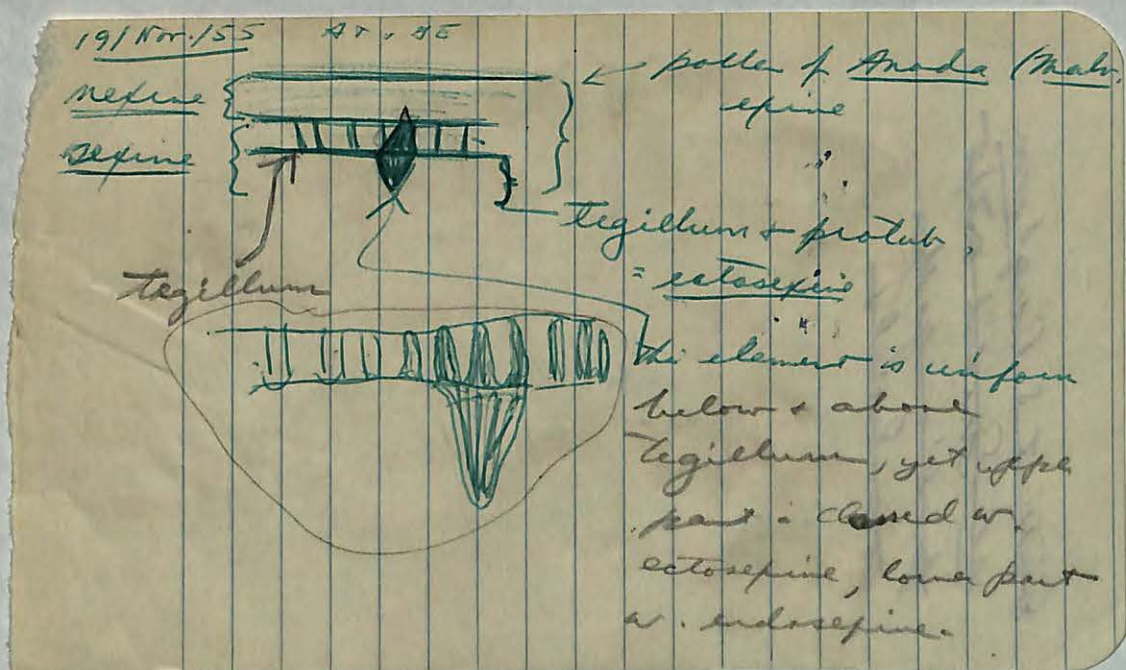
19-Nov-55

S. Seltman

Permanized
PARCHMENT

100% COTTON FIBER

U.S.A.



Dr. G. ERDTMAN,
Palynologiska Laboratoriet,
Ranhammarsvägen 22,
B R O M M A,
Sweden.

The Hague, November 11, 1955.

Dear Dr. Erdtman:

Thank you for your very kind letter. I am planning to arrive in Stockholm on the 17th of November, probably in the afternoon. After I am settled, I shall telephone you to let you know that I have arrived. I expect to stay in Stockholm until the 23rd of November and am hoping to cram as much palynology as possible into the six days !

Sincerely yours,

AT

A. Traverse,
c/o N.V. DE B.P.M.,
GA/Pal.Lab.,
30 C.v. Bylandtlaan,
The Hague, Holland.



PALYNOLOGISKA LABORATORIET

RANHAMMARSVÄGEN 22, BROMMA TEL. 26 13 14

PROFESSOR GUNNAR ERDTMAN

29th October, 1955.

Dr. Alfred Traverse,
c.o. Dr. J.D. Emeis
N.V. de Bataafsche Petroleum Maatschappij
30, Carel van Bylandtlaan
H A A G,
HOLLAND.

Dear Dr. Traverse,

You are welcome to visit the Palynological Laboratory of the Swedish Natural Science Research Council, at Ranhammarsvägen 22, Stockholm-Bromma, any time you wish during November or the first half of December, but please avoid, if possible, a Wednesday or Thursday.

Yours sincerely,

October 25, 1955

Dr. G. Erdtman
Palynological Laboratory
Rank 22
Bromma
Sweden


Dear Dr. Erdtman:

Beginning about November 7, I shall be visiting for about six weeks at the laboratories of N. V. de Bataafsche Petroleum Maatschappij in The Hague. During that time I should very much like to visit you in Sweden for a day or two to see the Palynological Laboratory and to have a chance to talk with you. If you are agreeable to this idea, would you like to write me at the following address?

care of - Dr. J. D. Emeis
N. V. de Bataafsche Petroleum Maatschppij
30 Carel van Bylandtlaan
The Hague, The Netherlands

It may be that you will be out of town or otherwise engaged during part of November or December and that you will want to suggest a date for this visit that will best fit in with your plans.

Very truly yours,


Alfred Traverse

AT:hmp

Shell Development Company
Exploration and Production Research

July 11, 1955

Through Chief, Br. of Coal Tech.

AIRMAIL

Dr. G. Erdtman
Palynological Laboratory
Bank 22
Bruma
Sweden

Dear Dr. Erdtman:

Thank you for your helpful letter of 5 July. I would like to accept your offer to place my order for Wenstadt's book with Almqvist and Wiksell. Since you have a complete reference to the book, no doubt, it would seem to me better to have you place the order, if you would be willing to do so. A. and W. can bill me.

I have a copy of Grana Palynologica with "Literature on Palynology VIII". However, since I have the numbers of "Literature on Palynology" bound separately, I would appreciate having a separate copy of the paper, if available. Incidentally, I have only these numbers from VII, and would very much like to have I-VII, if copies of them are ever returned to you for re-distribution.

I enclose the copy of the preliminary program for the September meeting. A published version will probably appear in the combined program for the American Institute of Biological Sciences meeting, under whose auspices this symposium will be held in East Lansing, Michigan. If you have more questions, perhaps it would be best to direct them to Dr. James Schopf, whose address you probably already have. It is: Coal Geology Laboratory, U. S. G. S., Orton Hall, O. S. U., Columbus, Ohio.

Thank you again for your help.

Very truly yours

Alfred Traverse
Head, Fuels Microscopy Laboratory

Enclosure

ATraverse/dw

& postcard

Reply to letter (dated June 14, 1955)

Dear Mr. Traverse,

You can (or I can do it for you if you wish so) obtain a copy of Neustrot's very cheap book through our book dealer, Almqvist & WIKSELL, Gamla Brogatan 26, STOCKHOLM, C. It takes a long time to get books from Russia however.

As to "Lit. on Palynology. XVII": this number is included in "Grana Palynologica, N. S., I". Please tell me if you still want to have a separate copy of No. 8.

Will you kindly send me program etc. of the Palynological Symposium to be held in September?

Very truly yours

G. Lillman

June 14, 1955

Through Chief, Br. of Coal Tech.

Dr. G. Erdtman
Palynological Laboratory
Rank 22
Bromma, Sweden

Dear Dr. Erdtman:

In connection with a palynological symposium we are having in September, I am trying to get some information on taxonomic and nomenclatural techniques used by Soviet palynologists. Could you refer me to available papers that might be consulted?

In particular, could you tell me how I might acquire a copy of Neustadt's paper (1952) "The spore and pollen method in USSR, history and bibliography." You apparently have a copy of the paper, as parts of the bibliography are given in your recent 18th number of "Literature on palynology."

Very truly yours

Alfred Traverse
Head, Fuels Microscopy Laboratory

cc ATraverse/dw

April 25, 1955

Through Chief, Br. of Coal Tech.

Dr. G. Erdtman
Palynological Laboratory
Rank 22
Bromma, Sweden

Dear Dr. Erdtman:

Thank you for the recent packet of reprints by you and by Borge and Ross. Thank you also for the copy of "Recherches palynologiques en URSS."

I was especially interested in the papers on the occurrence of dinoflagellate cysts in marine sediments. I discovered dinoflagellate cysts of a fresh-water sort in a silt associated with the Brandon, Vermont, lignite. A paper on this is in press.

Yours very truly

cc J. H. East, Jr.
A. Traverse/DW

Alfred Traverse
Head, Fuels Microscopy Laboratory

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

June 22, 1953

Dr. G. Erdtman, Ab 15
Bromma
Sweden

Dear Dr. Erdtman:

Thank you for "Literature on Polynology. XVI."

I enclose a copy of the preliminary report of my
work with the Brandon lignite.

Yours very truly,

Alfred Traverse
Coal Technologist

Enclosure: Reprint

ATraverse:vh

cc: Region V
J. D. Lankford
Dr. Traverse ✓
File 626.1
C File

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

October 7, 1952

Dr. G. Erdtman
Palynological Laboratory
Ab. 15, Bromma
Sweden

Dear Dr. Erdtman:

Thank you very much for the papers which you kindly sent me recently. "Palynology, Aspects and Prospects III" and "Literature on Palynology IV" will, of course, be useful to me in my work on Tertiary pollen and spores. I was glad also to have a copy of "Palynology", your general statement on our relatively new science.

Very truly yours,



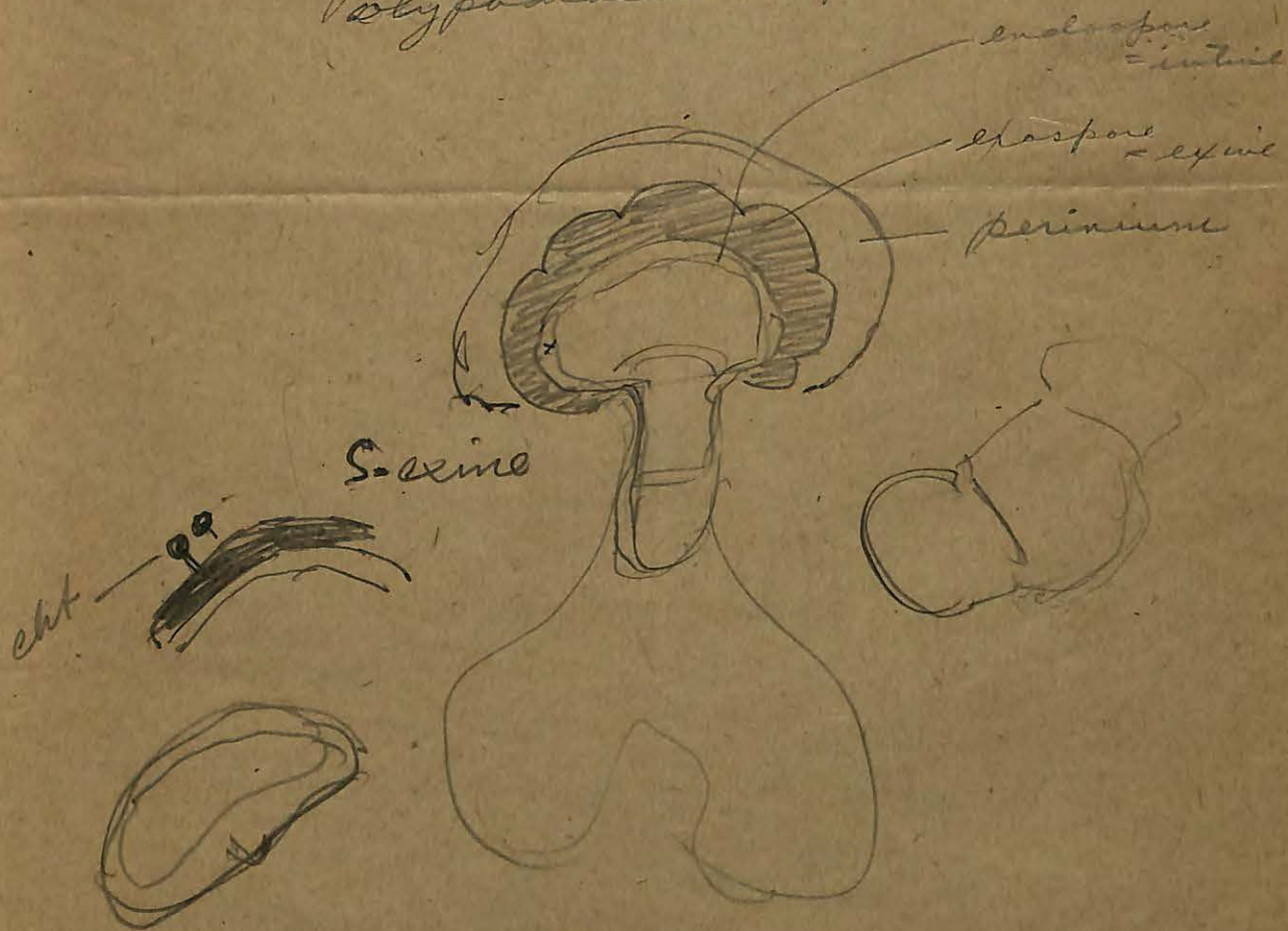
ALFRED TRAVERSE
Coal Technologist

cc Region V
Dr. Traverse ✓
File

B. Erdman & A. Travenca

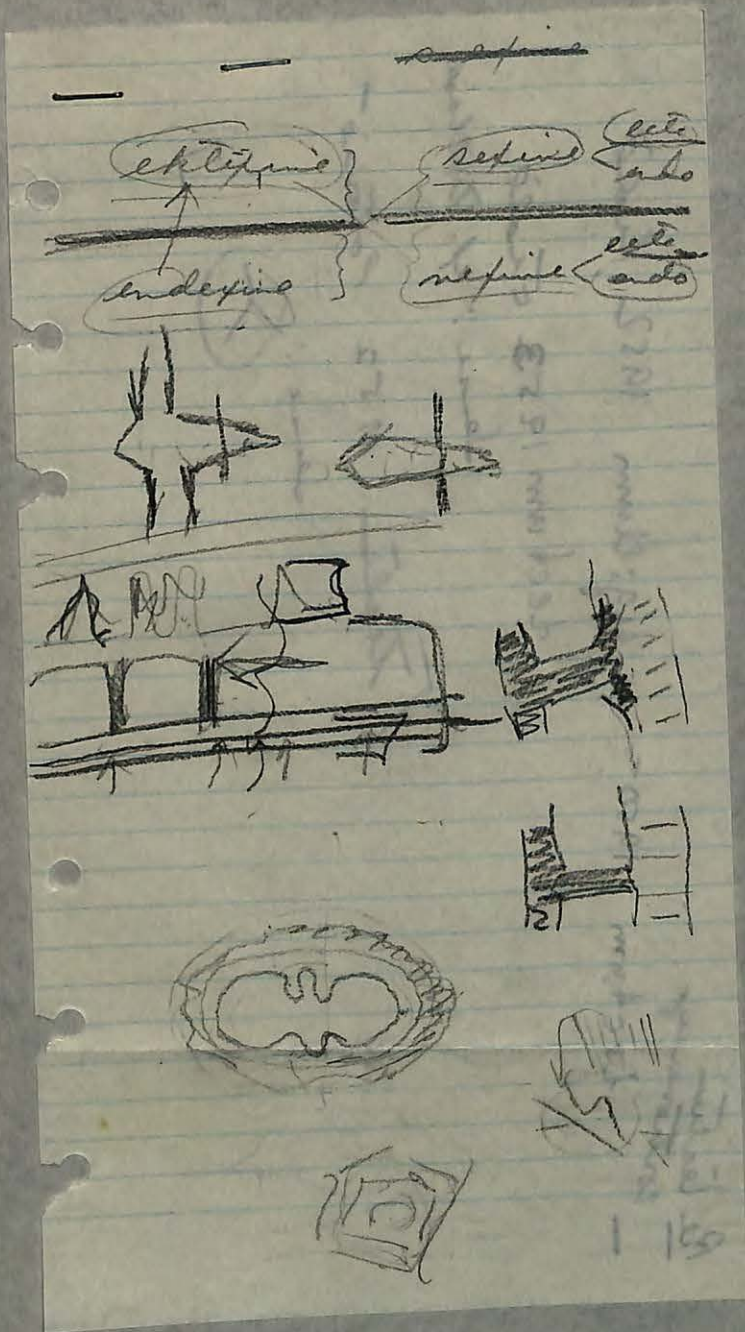
2 Nov 85

Polypodiaceous spores:



H. Erdmann &
A. Traverso
Nov. 1955

Tectum - Trigonum



U. S. Bureau of Mines
4800 Forbes St.
Pittsburgh, Pennsylvania
U. S. A.

27 July, 1951

Dr. G. Erdtman, Ab 15
Bromma
Sweden

Dear Dr. Erdtman:

Your letter of 19 July was forwarded to me and reached me here yesterday. I have finished my work at Harvard, have been married and have taken a job with the Bureau of Mines to investigate Tertiary lignites in North Dakota. The Bureau has sent me here for a few months to be trained in their petrographical techniques, so that I can supplement my knowledge of the paleobotanical aspect of the problems. I hope to be able to continue my pollen studies. My thesis work will be published eventually, though it will probably take some time to get it ready.

Since I am no longer in Cambridge, I shall not be able to help Mr. Jerasmåke while he is there, though I should be very happy to entertain him in Pittsburgh if he would like to come here. I shall write him to this effect. I shall also write Dr. Barghoorn at the Harvard Biological Laboratories about him. Dr. Barghoorn is in the field at the moment but will probably be back by August, certainly by September. It was he who supervised my work at Harvard, and he is also very interested in palynology. If he is in Cambridge during Mr. Jerasmåke's visit, I am sure that he will do everything possible for him.

Yours sincerely,

Alfred Traverse

G. ERDTMAN, Ab 15

BROMMA

SWEDEN

19¹⁶/_{VI} 57

Dear Dr. Traverse:

A young Estonian, Mr. Jaan Terasmäe, B.A.
(present address c/o E. JASKA, 261 Fifth Ave.,
Ottawa, Can.) has been working in my
laboratory during the last two years. He
intends to spend some days in Cambridge, Mass.
in August ^(or Sept.?) and hopes to be allowed to ask
for some desiderata (polliniferous material)
at the Gray Herbarium. If he calls
upon you, please give him some advice
and information. He returns later to
Sweden. The polliniferous material he
will be asking for is to fill some of
the gaps in our collections.

Yours truly,

G. Erdman

Biological Laboratories
Harvard University
Cambridge, Massachusetts

31 May, 1951

Dr. G. Erdtman
Storra Moosen
Bromma, Sweden

Dear Dr. Erdtman:

As I had feared might be true, it will not be possible for me to visit Sweden next year as I had hoped I might. In the first place, I did not get a grant. In the second place, I have been strongly advised to take a job with a government agency, the Bureau of Mines, to do research on the Tertiary lignites of the mid-continental region. Indeed, it is an excellent opportunity in many ways. I hope that this merely means a postponement of my study in Sweden.

My thesis work on the pollen and spores of the Brandon lignite has been accepted and will be published soon. The examining committee included Drs. Bailey, Barghoorn, Mangelsdorf and Dahl (the latter just returned from Sweden, as you probably know).

Sincerely yours,

Alfred Traverse

Biological Laboratories
Harvard University
Cambridge, Massachusetts

10 January, 1951

Mr. C. J. Lapp
National Research Council
Fellowship Office
2101 Constitution Avenue
Washington 25, D. C.

Dear Sir:

Appended is the letter from my proposed sponsor, Dr. Gumar Eritman, as requested in ~~the~~ of the application. I am not sure that the letter from Dr. Eritman is phrased exactly as would be desirable, but I do know that he is willing to take me on for a year of research in his laboratory. If you feel it necessary, I can get something more definitive from him. In the meantime, this will suffice as evidence of my acceptance.

Yours sincerely,

Alfred Traverse

Copy of letter from G. Erdtman

Ab 15, Bromma, Sweden, 3 January 1951

Dear Mr. Traverse:

The aim of the Palynological Laboratory in Bromma (Stockholm) is to be of as much use as possible in connection with studies in palynology. You are welcome to study in the laboratory for- as you suggest- some months after you have been granted your doctorate next summer. The slide collections (about 10000 slides) and pollenmorphological archive will be at your disposal.

Yours sincerely

G. Erdtman

P. S. We should be very grateful to receive, if possible, reprints of any papers with notes on pollen morphology published at the Harvard University. We lack, among other things, Swamy (Santalaceae), Bailey and collaborators (Monimiaceae), Sarcandra and other papers.

Edtn

Fellow Graduate Student:

The members of Gamma Alpha, Harvard's graduate scientific social fraternity (Good Lord, what price precision!) invite you to join them at their annual Christmas dinner, Monday, 19 December, at 6:30, in room 455. There will be the usual famous GA spaghetti and attendant substrates. An equally well known GA non-plasmolyzing salad and all sorts of goodies also feature the menu. Nutrient solutions of various sorts will be provided. Al Olsen, our venerable alchemist, is at this very moment combing Scollay Square for suitable entertainment.

Please detach and fill out the enclosed slip and return to box "T" by Friday so that we will know how many to expect. The tariff will be 1.25, and you may bring a date, if you like.

I will
I will not (cross out what does not apply) be present at GA dinner.

I will
I will not bring a guest

Biological Laboratories
Harvard University
Cambridge, Massachusetts
16 December, 1950

Dr. Gunnar Erdtman
Abrahamsbergsvogen 15
Abrahamsberg
Stockholm, Sweden

Dear Dr. Erdtman:

I am finishing my work here at Harvard for the Ph. D. degree. My thesis research has been on the pollen-flora of the Brandon lignite, a Tertiary brown coal from Vermont. I have been working under the direction of Dr. E. S. Barghoorn, who may have told you of my work when he was in Stockholm last summer. I have spent the bulk of the last two years assembling a pollen collection, mostly from Harvard's herbarium facilities, and studying same. I prepared the material by the acetolysis-glycerin jelly method. Dr. Barghoorn may have shown you some of my preparations.

The lignite itself, and the associated silts, are very rich in pollen. There are between one and two hundred "species" in the lignite alone. The largest untapped reserve of fossil-fuel in this country is the tremendous group of lignite deposits in the western part of our country, which have been untouched by palynologists. I intend to begin investigation of them as soon as the Brandon work is completed.

Professor Barghoorn feels, however, and I am sure that he is right, that I should spend some more time studying pollen morphology before I begin these researches in earnest. He has suggested that you might be willing to let me study in your laboratories for some months after I am granted my doctorate next summer. If you would be willing to take me on, I could apply for a grant to defray the expenses of the trip and my stay in Stockholm.

Yours sincerely,

Alfred Traverse

Biological Laboratories
Harvard University
Cambridge, Massachusetts

10 January, 1950

Dr. G. Erdtman
Ap 15
Bromma, Sweden

Dear Dr. Erdtman:

I was very pleased to get your letter of 3 January. I have applied for a National Research Council fellowship for next year, to be used for study with you in Sweden. I needed the letter from you as evidence of acceptance of the idea by you, and I am forwarding your letter to Washington. Incidentally, Dr. Bailey is sending you reprints of the papers you requested, except that he has none of Dr. Swamy's reprints. It would be best to write to Dr. Swamy, Bangalore, India, for copies of his paper or papers.

There are two factors which may interfere with my plans for next year. In the first place, there is strong sentiment here that next year is not a good time to go to Europe because of the political situation. Secondly, I have been offered a job with the government, investigating the tremendous Tertiary lignite deposits of the Midwest. If I take this job, my trip to Sweden, which I should still plan to take, would have to be postponed for about a year.

Thank you very much for your help.

Sincerely yours,

Alfred Traverse