



Hunt Institute for Botanical Documentation  
5th Floor, Hunt Library  
Carnegie Mellon University  
4909 Frew Street  
Pittsburgh, PA 15213-3890  
Telephone: 412-268-2434  
Email: [huntinst@andrew.cmu.edu](mailto:huntinst@andrew.cmu.edu)  
Web site: [www.huntbotanical.org](http://www.huntbotanical.org)

The Hunt Institute is committed to making its collections accessible for research. We are pleased to offer this digitized item.

#### *Usage guidelines*

We have provided this low-resolution, digitized version for research purposes. To inquire about publishing any images from this item, please contact the Institute.

#### *Statement on harmful and offensive content*

The Hunt Institute Archives contains hundreds of thousands of pages of historical content, writing and images, created by thousands of individuals connected to the botanical sciences. Due to the wide range of time and social context in which these materials were created, some of the collections contain material that reflect outdated, biased, offensive and possibly violent views, opinions and actions. The Hunt Institute for Botanical Documentation does not endorse the views expressed in these materials, which are inconsistent with our dedication to creating an inclusive, accessible and anti-discriminatory research environment. Archival records are historical documents, and the Hunt Institute keeps such records unaltered to maintain their integrity and to foster accountability for the actions and views of the collections' creators.

Many of the historical collections in the Hunt Institute Archives contain personal correspondence, notes, recollections and opinions, which may contain language, ideas or stereotypes that are offensive or harmful to others. These collections are maintained as records of the individuals involved and do not reflect the views or values of the Hunt Institute for Botanical Documentation or those of Carnegie Mellon University.

#### *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.

11 April, 1977

Dr. D.C. Bharadwaj  
Birbal Sahni Institute of Palaeobotany  
53, University Road  
Lucknow 226007, India

Dear D.C.:

Thank you so much for yours of 19 March which just arrived. I am happy that the copy of Miss Dwivedi's thesis did arrive, as I had had a report from the University authorities that it had not, and felt compelled to send a xerox copy of all my earlier information. Her thesis certainly represented a fantastic amount of work, and was beautifully put together. I do hope that my favorable impression of that aspect of it showed through other comments in my critique. I supposed that the usual kind pat on the back was not really sufficient and that you and she would understand my frankness. That is the way we handle such things over here.

I would like to hear that she successfully defended the thesis and has the degree, when you are able to let me know.

I was greatly distressed when it turned out I could not attend the International Palynological Conference because of lack of funding (although funding actually did arrive two or three days before I was scheduled to leave and after I had long since cancelled my plans). However, on the basis of things I have heard from my colleagues who were there, I think it was providential that I did not make it. I don't see how I could have kept from being hurt one way or another. The ICP Presidency, as you know, was not something that I sought, and I certainly did not in even the slightest degree, campaign. However, in fairness to my sponsors here at Penn State and to other friends I have around the world, I didn't see how I could refuse to serve if elected. I made it quite

clear to everyone who bothered to listen to me, including, for example, the AASP Executive Committee sessions, that I would not be distressed by your election--on the contrary, I assured them that you would do a decent job, and that I had great personal respect for you. I am glad to hear that you do not feel any personal animosity, as I can assure you I have no such problems vis-a-vis my old friend, D.C.!

As you can see, I am answering your letter ad seriatum, as it lies before me. I note that you next have a more detailed discussion of Miss Dwivedi's thesis, and I suppose I can be forgiven for following your organization! Regarding my comments on the adequacy of the thesis as a thesis, I was naturally basing my opinion solely on how it would have been treated here, and that was a handicap I would not have suffered under had I made it to the meeting in India and had the benefit of your counsel. We generally expect that a Ph.D. thesis will cover something new, or make a contribution of quite monumental proportions if taxonomy is the only major emphasis. It seemed to me that she was merely applying your classificatory work to the materials that were provided her, and I'm sorry if I offended by being frank in my opinion that as a scientific contribution, it was not of the first order. It would have passed here at Penn State, but with a rather poor grade, is what I am trying to say.

Now, with regard to the more general subject of the classificatory system, I remain convinced that there is no particular point in trying to make an artificial system more natural, but I recognize that this is a subject on which people differ widely.

It is likely that you are right that I should not have discussed the question of your classification in connection with my report. It just seemed to grow out of considering Miss Dwivedi's dissertation, because, I think you will probably agree that it is most difficult to see where Dwivedi leaves off and Bharadwaj begins in her thesis. I certainly did not intend to be unkind in this observation and hope that you both understand that.

At any rate, I am very happy to know that you do not intend to regard me an adversary, because I think it absolutely essential that we be able to cooperate. I pledge my attention along those lines. Furthermore, I am still

Bharadwaj, p. 3

very much hoping that I can get to India for a scientific visit, as well as a vacation to see the country. This is a yearning that I have had for many years, and I am not going to give up on it. That was why I suggested to the University that the small number of rupees I was to be paid as an honorarium be put in a bank account in Lucknow for my future use when I eventually find some way of pulling off this "caper".

Best wishes to you and the remains of this year and always. Forgive me if I wasn't careful enough of my manners in my eagerness to be completely frank and helpful in my review of Miss Dwivedi's thesis.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

*Esteban*

*Fidelity Ormon Skin*

*100% COTTON*

## BIRBAL SAHNI INSTITUTE OF PALAEOBOTANY

TELEGRAMS : PALAEOBOTANY

TELEPHONE : 22355  
23610  
2652753, UNIVERSITY ROAD  
POST BOX No. 186  
LUCKNOW-226007DIVISION OF FOSSIL FUELS &  
PALYNOSTRATIGRAPHY

No. 9652

Dated 19/3/1977.

My dear Al.,

I received your letter of 16th February alongwith a copy of your report on Miss Dwivedi's thesis about 3 weeks back. I could not reply you earlier, as I was quite busy and tense as the country was politically in excitement. Today, having exercised franchise I felt like writing to you in peace. The IV IPC went off very well. It was a good show. The field-trips were also well taken care of. Norman very ably and successfully humiliated my country and the same I had to tell him. I am happy that you are the new ICP president and wish you all success but certainly not of the type Norman strived for. I do not think that ICP is that international now as it was before Lucknow. Between us every thing remains the same.

Regarding your report on Miss Dwivedi's thesis, I view it to be rather a negative one because you have considered it to be adequate on the basis of diligence and volume only. You seem to have overlooked that she is a botanist with no geological background. Evidently her thesis could be mostly taxonomically oriented and that is what it has been. I never expected her to interpret the causes of facies differences or her work to be stratigraphically significant for the Permian. On geological aspects she has just reported the facts. I am not sure if the University would be satisfied by your report and consider it decisive.

Regarding your comments on the classification of spora dispersae proposed by me, I would just say that its utility might be appreciated a decade or more after when taxonomy gets stuck up for having disregarded evolutionary aspects. All the classifications including mine have been artificial. The alphabet system, Potonie's system and mine, differ only in degrees of artificiality. Regarding usage, B & K's Triletes or S.W.B.'s genera are still in use by some who are too conservative to accept a change. However, I am sure that my continued efforts in this direction are going to help future palynologists.

However, frankly enough I have not liked your having included subjective comments on my classification in the thesis report. Your other comments are ofcourse going to be very helpful.

With best wishes,

Yours sincerely,

*S.C.*

( D.C. Bharadwaj )

Prof. Al. Traverse  
Department of Geosciences  
Deike Bulding  
Penn State University  
University Park  
Penn 16802  
U.S.A.

NO ENCLOSURES ALLOWED

SENDER'S NAME & ADDRESS

BIRBAL SAHNI INSTITUTE OF  
PALAEOBOTANY  
P. O. Box No. 106  
Lucknow-226007  
U.P. (INDIA)

CERTIFICATE OF POSTING

Prof. Al. Traverse  
Department of Geosciences  
Deike Bulding  
Penn State University  
University Park  
PENN 16802  
U.S.A.



THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING

UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences  
Department of Geosciences  
Palynological Laboratories

Area Code 814  
865-6543  
865-2342

Blumadmaj

16 Feb. 77

Dear J.C. —

Sorry it took so long to "do"  
Miss Jivcedis' thesis. It is on its  
way back. I have been so embarrassed  
by of not making it to known

by the unfortunate conflict about  
ICP presidency, that I have found it  
difficult to write.

I do hope there is no personal  
hard-feeling between us — certainly none  
on my part. I did <sup>not</sup> conceive in my  
election and would have been quite happy  
if you had been elected.

I also hope we will continue  
to be friends on a personal basis  
no matter what happens professionally  
above later.

Best wishes to you, old  
friend!

A. L. Travers

Dr. ARNOLD TRAVERSE  
529 Dallas Building  
Pennsylvania State University  
University Park, Pa. 16802

31 December, 1976

Dr. D. C. Bharadwaj  
Birbal Sahni Institute of Palaeobotany  
53, University Road  
Lucknow, 226007, India

Dear D.C.:

I think I had better handle this matter separately-- I did respond to the invitation to be an external examiner for your student and am happy to do so. I can't imagine what would have happened to my letter conveying that information. It occurs to me, however, that perhaps you wouldn't want me to be the examiner since I was not able, after all, to attend the conference in Lucknow. I am just completely upset by the course of events. The National Science Foundation did send me a ticket for India, just five days before I would have departed the country! By that time, of course, I had changed my plans, cancelled all reservations and couldn't possibly have got ready. It was a very strange performance on the part of the NSF. God knows if I will ever be able to finance a trip to your most interesting country now.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

*Shoadway*

THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING  
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences  
Department of Geosciences  
Palynological Laboratories

Area Code 814  
865-6543  
865-2342

20 Dec. 1976

Dear J.C. —

One of the things I was supposed to do at Lucknow was to submit a formal invitation extended by palynologists at Calgary, Alberta, Canada (where there are > 30 palynologists), for the V<sup>th</sup> Conf. to meet at Calgary. The invitation comes specifically from Jim Hill and the University of Calgary. I will forward the materials as soon as they come — in the meantime, please be sure that the

governing body of ICP gets this  
invitation. It is North America's  
"turn", and Calgary would be a  
splendid spot.

Yours cordially,

*Al. Traverse*

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

Lucknow  
10.12.1976.

My dear Al.,

Last week I have written you a letter which you must have received. In that letter I had written about you having accepted the Ph. D. examinership of my student. As I have been informed today, that information was incorrect and that your acceptance has not been received. This my student discovered when she went in to pay for the extra costs towards Air Mail despatch of the thesis.

It seems that you have not been able to decide about it. No doubt the thesis pertains to the palynology of the Permian coals of India which is rather different from that of the U.S.A. and Europe. But I thought that it might be a good introduction of our Permian Palynofossils in detail for you. So, if you feel comfortable about it, accept it and let the University know.

I am anxiously awaiting your programme of arrival at Lucknow for the IV IPC.

With best wishes

yours Sincerely

Be

Bharadwaj

3 December, 1976

Dr. D. C. Bharadwaj  
Birbal Sahni Institute of Palaeobotany  
53, University Road  
Lucknow 226007, India

Dear D. C.:

The enclosed copy of a letter to Dr. Surange is self-explanatory. I am totally unable to assess the reasons for my failure to be funded by the National Science Foundation. I intend eventually to find out, but at the moment it wouldn't do any good. I am, of course, very disappointed and unhappy about this -- especially as it means that for the present at least I will not be privileged to see the Bharadwajs on their home ground. As I told Dr. Surange, I still entertain the hope that a trip to India might be arranged subsequently.

With all best wishes for the season and profound regrets, I am

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/et

enclosures: copies of letters to Dr. Surange and Dr. Lele

Lucknow, 1, Dec. 1976.

My dear Al,

My last letter to you remains unreplied. Meanwhile Norman has been going ahead with his efforts to find a President for the future Council. Last time yourself, myself and Dr. Nair did not vote. This time Nair has voted and Norman will himself vote for me and probably also similarly for you. I was not able to decide any line of action under such pressure tactics. I am rather baffled by the queer coincidence that we, who feel so close to each other should be pitched against each other. I have been quite seriously pondering and virtually fighting with myself to decide to withdraw in your favour but for some very relevant considerations for my future which is rather bleak here. May be that you also have a vision of gaining an advantage by elevation to the presidentship of I.C.P. Likewise there may not be any significant difference in our approach on the executive aspect of the office. However, the only significant difference apparent to me is that while for me this is probably the only chance, for you the next might be equally good if not ~~has~~ better. This is all the turmoil I have been bearing all these days. Now it is virtually all over. For me, I can assure you that I shall be equally happy if you are elected because for me you could naturally be the best alternative choice. No doubt in such a case I shall have to plan afresh to overcome my current disadvantages. It is good that you will be here and I can discuss with you about many things.

I was happy to learn a few days back that you have accepted to be the examiner for Ph.D. thesis of my student. She is getting it despatched to you by Airmail so that you are able to go through it before you leave for India. But I am afraid that the time of about a fortnight to examine a thesis will be too little. Although this thesis was submitted to the University in August, they took virtually three months to decide the names of external examiners. Well, do go through it before leaving for India but if you are not satisfied take your time. In the former case you could bring back the



XXXXXX

April 6, 1976

Dr. D.C. Bharadwaj  
Birbal Sahni Institute of Palaeobotany  
53, University Road  
Lucknow, 226007, India

Dear D.C.?

On rereading your letter of 25 February, I just noticed that you raised the question of my chairmanship at the scientific session concerning Palynostratigraphy. I am, of course, quite willing (honored!) to be chairman of the session. However, I should tell you that I have done nothing about the organization of the symposium, if such organization was expected of me! In your original letter about this matter in May of 1975, it sounded as if I was expected to organize the symposium, and I wrote you at that time that it would be impossible for me to do so because I was on the point of leaving for the Black Sea and would, in effect, not be back in my office until September of 1975. Apparently you never got that letter, in which I informed you that I couldn't organize the meeting? As I say above, however, if what you have in mind is my chairing a session which will have been organized, I am quite willing to do that. I can even do some organizational work, providing that it can be done very late in the game--like next fall!

I just thought that it would be wise to get off a letter to you ~~quicker~~ to be sure that we are not talking at cross purposes and that I am not failing to do something which was expected of me.

I am enclosing a copy of the covering letter for my application to the National Science Foundation for funding of my trip to India. There is a special program for trips to your country, and the fact that we might be working on a grant-proposal while I am over there will greatly increase the likelihood of my getting funded. Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:jb

Enclosure: Xerox of covering letter for funding application.

February 9, 1976

Dr. D.C. Bharadwaj  
Assoc. Director  
Birbal Sahni Institute of Palaeobotany  
53 University Rd.  
Lucknow, India  
226007

Dear Dr. Bharadwaj:

Thank you for yours of 7 January regarding the symposium on terminology for the Fourth International Palynological Conference. Providing that I can get financing to attend the meeting, I will, of course, be glad to participate. In the connection, I hope to hear from you soon about my suggestion regarding a possible joint project for the long-run future, as the ability to say that I might work with you on such an idea would be a strong argument for funding the trip! Of course, it might also provide funding for us both for future work.

Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:jb

Collected  
January 16, 1976  
Fidelity Union Skin  
1976 JOURNAL

Dr. D.C. Bharadwaj  
Head, Dept. of Coal, Oil & Palaeozoic Palaeobotany  
Birbal Sahni Institute of Palaeobotany  
Lucknow, India

Dear D.C.:

Thanks for the New Year greetings. I am always so touched by those hand-painted personal greetings and keep them carefully in my files. I have contacted our friend, Geoff Norris, and will sound him out about the question of the ICP presidency. I am not sure I understand exactly why you should want such a hot potato in your hands!

I have previously dictated a letter which I don't think has gone out yet calling your attention to the fact that I am trying to get funding for the trip to Lucknow and that one of the ways I could help assure attaining of the goal would be for me to be able to say that you and I would work on some joint proposal for funding while I was over there. Can you think of something that would be mutually interesting and beneficial to work on together? Let me have ~~your~~ ideas as soon as humanly possible so that I can get this application in. Who knows?, something good might really come of it! (At least a trip to Lucknow!)  
Best wishes.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:jb

January 15, 1976

Dr. D.C. Bharadwaj  
Head, Dept. of Coal, Oil & Palaeozoic Palaeobotany  
Birbal Sahni Institute of Palaeobotany  
Lucknow, India

Dear "D.C.";

I am trying to raise the necessary money for the trip to Lucknow about a year from now. One of the sources I have been probing is the National Science Foundation. They fell me the probability of my being funded for the trip would be greatly increased if one of the purposes of the trip was exploration of the possibility of a joint proposal for funding under one of the NSF's international programs. Can you think of a project on which you and I could profitably collaborate? Possibility of a comparison of American and Indian Triassic? Or an available long core of Upper Cenozoic--I would enjoy that! In any case, the statement that I would be working with you on preparation of such a proposal would greatly enhance my likelihood of getting funded--who knows?--we might even get the proposal funded, which would be greatly to our mutual advantage. Looking forward to hearing some of your ideas on this and particularly whether you would be willing to have me work with you for several days on such a proposal following the meeting. Needless to say, I would also be willing to lecture or cooperate in any other way after the conference. Best wishes for the new year.

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:jb

My dear Al,

Thanks for the New Year greetings and the message. We reciprocate family to family our best wishes for happiness through out the coming year. Ila has painted The Morning this time, the rising Sun symbolizing the warmth of cordiality, brilliance and the light of wisdom.

Regarding the ICP presidency, I had written you rather prematurely. The question of Norman relinquishing it before the IPC at Lucknow does not arise. If the draft constitution is approved, the present ICP will elect its next President at Lucknow. Then I shall look forward to your help. Meanwhile I would be grateful if you can find out Norris' mind and possibly convert him in favour of my candidature. I would also be so obliged to you if you can advise me about improvements in the IPC organization on the basis of what you might have heard around. I have tried to accommodate as many prior people as possible in the programme and very much wish that they all could attend. The circular must have reached you by now.

The coming year is going to be a challenging year for me. Although, I have a good number of workers to help, the task is quite big. I can only pray that it ends well. Will you also pray for me?

Please convey my greetings and best wishes to your mother, wife and the children.

Cordially yours

D.C.

(D.C. Bharadwaj)

Prof. Al. Traverse,  
Dept. of Geosciences  
The Penn. State University  
Geike Building  
University Park, Pa 16802  
U.S.A.



Ila

Happy New Year

Dec. 1975

Dec. 75

My dear Al,

Thanks for the New Year greetings and the message. We reciprocate family to family our best wishes for happiness through out the coming year. Ila has painted The Morning this time, the rising Sun symbolizing the warmth of cordiality, brilliance and the light of wisdom.

Regarding the ICP presidency, I had written you rather prematurely. The question of Norman relinquishing it before the IPC at Lucknow does not arise. If the draft constitution is approved, the present ICP will elect its next President at Lucknow. Then I shall look forward to your help. Meanwhile I would be grateful if you can find out Norris' mind and possibly convert him in favour of my candidature. I would also be so obliged to you if you can advise me about improvements in the IPC organization on the basis of what you might have heard around. I have tried to accomodate as many senior people as possible in the programme and very much wish that they all could attend. The circular must have reached you by now.

The coming year is going to be a challenging year for me. Although, I have a good number of workers to help, the task is quite big. I can only pray that it ends well. Will you also pray for me?

Please convey my greetings and best wishes to your mother, wife and the children.

Cordially yours

D.C.

( D.C. Bharadwaj )

Prof. Al. Traverse,  
Dept. of Geosciences  
The Penn. State University  
Deike Building  
University Park, Pa 16802  
U.S.A.



Ila

Happy New Year

December 22, 1975

Dr. D.C. Bharadwaj  
Fourth International Palynological Conference  
Birbal Sahni Institute of Paleobotany  
53 University Road  
Lucknow, 226007 India

Dear D.C.:

This is with reference to yours of 24 November regarding the symposium on "palynology of marginal facies". I indicated in a letter to Dr. Singh late last summer that I would be willing to take part in the symposium, and I enclosed with this letter a xerox copy of that letter which contains the pertinent information. I do intend to be at the meeting and hope to present the paper outlined in my letter to Dr. Singh in the symposium to be convened by Dr. Zaklinskaya. In other words, yes, I have accepted the invitation!

Best wishes of the season,

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT:jb

enclosure: xerox of letter to Dr. Singh

BIRBAL SAHNI INSTITUTE OF PALAEOBOTANY

TELEGRAMS : PALAEOBOTANY

TELEPHONE : 22355  
23610  
26527

53, UNIVERSITY ROAD  
POST BOX No. 108  
LUCKNOW-226007

No. 7959

Dated 9th Sept. 1975

My dear Al,

I am sorry that the citation on the reprint of the paper on the classification of Gymnospermous spores dispersae should have been printed incomplete. The citation of this symposium is to include after its title, Birbal Sahni Inst. Palaeobot. Sp1. Publ. No.4, 1974. The total no. of pages in this publication are 73 and it has been edited by me.

You must be very busy after your trip to Black Sea looking into the new material and also preparing for the AASP meeting. I had a mind to attend the Houston meeting but now I find that I cannot move out from here without endangering my responsibilities for the IV IPC and other commitments. The IPC work is now moving at a rapid pace.

*With best personal regards,*

Yours sincerely,

*D.C.*

( D.C. Bharadwaj )

Prof. Al. Traverse,  
The Pennsylvania State University  
Palynological Laboratories,  
529 Deike Building  
University Park, Penn 16802  
U.S.A.

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

1 August, 1975

Dr. D. C. Bharadwaj  
Birbal Sahni Inst. of Palaeobotany  
53 University Road  
Lucknow 226007  
India

Dear D. C.:

Thanks for the copy of your classificatory paper on gymnospermous pollen. I am having three xerox copies made (by my wife!), am enclosing one copy and have sent the other copies out as you request.

Just got back from the Soviet Union and the Botanical Congress. Attending was quite an experience. In one area it was a scientific success in my opinion (I was largely responsible for getting the organ genus business removed from the ICBN--that has been a can of worms from the very beginning.).

More later, but am just trying to get the basics taken care of at the moment!

Best wishes.

Yours very truly,

*AT*

Alfred Traverse

*no - sent under separate cov.*

Enclosure: copy of reprint

May 19, 1975

Dr. D.C. Bharadwaj  
Birbal Sahni Institute of Palaeobotany  
53 University Road  
Lucknow-226007, India

Dear "D.C.":

I was of course honored to get your letter of the 3rd of May with the request to organize the Symposium for the 4th International Palynological Conference. However, I am leaving day after tomorrow to be on-board palynologist on the Glomar Challenger for its Black Sea cruise. That will take me until toward the end of June when I return here for about four days, then leave for the International Botanical Congress in Leningrad and will be gone from then until late July at the Congress and following trips to other places. I do hope to attend the Conference and to present a paper on my Black Sea results--I have forgotten when the titles and abstracts of such things are due. I hope I will find time to check the information for the Conference when I get back in July or August. In the meantime, dear friend, please do accept my apologies for failing you in this instance. It just is not physically possible because of my absence from the country and from my office during the critical period.

Hoping to see you in Lucknow at the Conference in '76, and with very best wishes, I am

Yours very truly,

Alfred Traverse  
Professor of Palynology

AT/vsi

TELEGRAMS : PALAEOBOTANY

TELEPHONE : 22355  
23610  
26527



53, UNIVERSITY ROAD  
POST BOX No. 106  
LUCKNOW-226007

15th February 1975

My dear Al.,

Recently I have received a few (only 10) reprints of my paper on a new classification of Sporae dispersae. The number of reprints being very small and my mailing list quite large, I am sending these to such of my friends who would not mind doing me a small favour in return. The copy I am sending you is yours to keep but kindly get three Xerox copies of the same made sending one to me and the others to Jansonius and Canright.

With thanks and best personal regards,

Yours sincerely,

*D.C.*

( D.C. Eharadwaj )

Prof. Al. Traverse,  
Department of Geology,  
Deike Building,  
The Penon, State University,  
University Park, Penn  
16802 , U.S.A.

bedi

BIRBAL SAHNI INSTITUTE OF PALAEOBOTANY

53, University Road,  
Lucknow-7 (U.P.) India.

24 December, 1974

My dear Al,

Your kind remembrances, greetings and good wishes to hand and we warmly reciprocate the same to you all. Please do convey my kindest regards and hearty good wishes to your mother. The few days I spent with you are long to remember for their friendliness and warmth.

We are busy planning for the great event in 1976. We hope to be able to do a good job inspite of limitations and look forward to a friendly get together.

In confidence I want to tell you that I have recently heard about a proposal going round on the continent that I should be elected the next President of the I.P. Commission. I would very much like you to sound palynologists in the States subtly about it and give me your considered views.

Yours as ever,

*D.C.*

( D.C. Bharadwaj )

Dr. Alered Traverse,  
Penns. State Univ., U.S.A.



ILA

Merry Christmas & Happy  
NEW YEAR

BIRBAL SAHNI INSTITUTE OF PALAEOBOTANY

53, University Road,  
Lucknow-7.

21st December 1973

My dear Alfred,

Thanks for the greetings and good wishes from all of you. I reciprocate the same equally warmly. We wish you all happiness, prosperity and success in the coming year with the bunch of flowers painted by my 13 year old daughter.

I do hope this letter reaches you by 31st. Now a days things have become so uncertain in India. Can you imagine that in our vast country the Air and Rly. services have been completely paralyzed since a week and God knows how long this will continue and with what repercussions on the economy of this poor country. I am really disgusted and frustrated. I wonder if there is any hope.

With greetings,

Yours sincerely,

  
( D.C. Bharadwaj )

Dr. Alfred Traverse,  
529 Deike Building  
Pennsylvania State Univ.  
University Park  
Pa. 16802 U.S.A.



December 10, 1973

Dr. D.C. Bharadwaj  
Head, Dept. of Coal, Oil & Palaeozoic  
Palaeobotany  
Birbal Sahni Institute of Palaeobotany  
Lucknow, India

Dear "D.C.":

I thought you might enjoy the enclosed evidence of your visit to Disneyland, one of them including most of our gang and the other two showing that Disneyland even has some paleobotanical influence!

Best wishes to you for the holiday season.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi  
Enclosure: ektachrome transparencies

BIRBAL SAHNI INSTITUTE OF PALAEOBOTANY

53, University Road,  
Lucknow-7.

No.

3431

23rd November 1973

My dear Alfred,

I reached back India on 7th November after having paid a hurried visit to an old colleague of mine, Dr. C.P. Varma, in Canada. I hope you know him by name. He is working at present on Devonian. I have asked him to seek your help in case of need.

My trip by Greyhound was quite good. It was raining when I reached New York. I rang up the Hotel McAlpin and found a room without any difficulty.

I am so thankful to you for having invited me to Penn State. I enjoyed my stay but for the fact that it had to be on your account.

I am gradually settling down to my duties, looking the back log.

With my best wishes and greeting to you and the Mrs.

Yours sincerely,

*Dinesh*

( D.C. Bharadwaj )

Traverse,  
Department of Geosciences,  
Pennsylvania State University  
University Park, Penn. 16802  
U.S.A.

# THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING  
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences  
Department of Geosciences  
Palynological Laboratories

Area Code 814  
865-6543  
865-2342

October 29, 1973

The editors of the Catalog of Fossil Spores and Pollen have my permission to republish within their compendium any previously or subsequently published systematic palynological information. This permission covers descriptions, illustrations and supporting commentary.

*D.C. Bharadwaj*  
(D.C. Bharadwaj)

November 24, 1972

Dr. D.C. Bharadwaj  
Birbal Sahni Institute of  
Palaeobotany  
53, University Road  
Lucknow-7, India

Dear Dr. Bharadwaj:

Thank you for your kind letter of 13 November. I too recollect our interesting talk at the London airport in 1966.

I have exactly the same impression of Dr. Kremp's famous computer program as you have. On the other hand, I am probably more discouraged about the overall prospects for that sort of project in palynology even than you are. On the one hand, Dr. Kremp's project is so superficial as to be of almost no value as far as I can see. On the other hand, a thorough going enough project to be of great importance would be so costly that the relatively minor science of palynology it seems to me has little chance of raising the requisite money. For example, regarding morphology, which I see as being essential to any meaningful project on storage of palynological information--Germeraad has prepared a two-volume work on morphology of modern spores and pollen alone, and even it is not complete. I'm sure you have seen his "system". If that sort of thing ~~would~~ be required for getting spore morphology along into the computer tapes, I am staggered by the prospective costs of the required work. I suspect that for a long time in the future we will struggle along pretty much as we have in the last few decades, with computerization playing its role mostly as an aid to specific projects.

Now regarding your proposed visit to the United States, I would of course be glad to see you. However, and I suppose this is probably critical, I see absolutely no way at the present to be able to help you with expenses here. There was a time several years ago when I had considerable funds which could be expended in this way, but the sources have all dried up at least for the present. Even the possibility of honoraria for lectures seems to have gone by the boards.

Dr. D.C. Bharadwaj

-2-

November 24, 1972

I am interested to hear about the new journal "geophytology". In fact, I had already heard about it. I'm not sure, however, that I really understand the proposal regarding review. Presumably you will include a letter with the journal which will explain what you have in mind.

Best wishes as always.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

BIRBAL SAHNI INSTITUTE OF PALAEOBOTANY

53, University Road,  
Lucknow-7.

13th November 1972

Dear Prof. Traverse,

It is a long time since I wrote you last in 1966. You were very kind to be helpful then. Unfortunately my visit to U.S.A. could not materialize in 1967.

Lately we have been doing some spade work towards computerizing palynological data, especially that pertaining to Gondwanas of Gondwana-lands. Sometime back I also attended a computer programming course locally just to get an idea of what is what.

In 1970, Prof. Kremp came to Lucknow and explained his programme of work. Somehow it did not impress me to be of much value, the data sought being too preliminary and uncontrolled. I believe that if the computer is to help us, the information to be fed to it should be as far as possible correct with reference to taxonomy, floristics and horizon. As we continue in our efforts, I find that the task is rather stupendous. I gather that your thinking is somewhat similar to mine. But how are you tackling it? I was just contemplating that I should manage an opportunity to spend some time at your centre. Next year I am likely to be in Europe for the C.I.M.P. meeting and also to finalize certain aspects of the IV International Palynology Conference to be held at Lucknow in 1976, with Norman Hughes at Cambridge. I could extend my trip to U.S.A., to spend a few weeks with you to discuss computerization and many other things. I wonder if you can arrange for a small grant to pay for my stay expenses there. I could give some lectures too. The C.I.M.P. meeting in France will be from 11th -16th September 1973. So I could visit U.S.A. either before or after it, which ever would suit you.

Lately we have started publication of a new journal 'Geophytology', running in its 2nd Volume now. I have included you as one of the distinguished Palynologists to review the journal. Vol. 1 will be sent to you very soon. You have only to review it and get the review published in some good journal.

Kindly write to me soon.

With greetings and best personal regards,

Yours sincerely,

*D. C. Bharadwaj*  
( D.C. Bharadwaj )

BIRBAL SAHNI INSTITUTE OF PALAEOBOTANY

53, University Road,  
Lucknow-7.

No. 4302

12th October 1971.

Dr. H.F. Hughes,  
Sedgwick Museum,  
Downing Street, Cambridge, U.K.

Dear Dr. Hughes,

I am sorry to have been late in replying to your circular letter ICP/71/1 dated 12th August. Actually it became rather difficult for me to give opinion on the various aspects in your letter without contemplating the pros and cons of each. One serious handicap was the non-availability of the draft resolution approved at the ICP meeting in Novosibirsk because I had given my copy to you. I hoped that you will circulate a true copy of the final resolution to each of the council members and ex-ICP members alongwith your letters to enable them give objective opinion. Atleast I needed one also for the preparation of my report here. Luckily I remembered that Chala also had one copy and so I could get it from him. Nevertheless, I would like to receive back my own copy which I am sure you would be kind to send at your earliest convenience.

As I compare the approved resolution and your proposals, I find that there are quite a number of aspects where you have added to the scope of the resolution. I have rather been in a fix whether to agree to your aspirations or to stick rigidly to what has been said in the approved resolution. After serious introspection I have been able to decide that for the perpetual good of the ICP and the ICP, I must honour the approval of the General Assembly in Novosibirsk to the draft resolution as it is. After all we are answerable to the General Assembly in Lucknow. Now the only place for its amendment will be Lucknow in 1976. One of the serious poser before me was that if I agree to flexibility in the composition of the council by the addition of another vice-President at the suggestion of the President why not still another splitting of the Neopalynology like wise into two if suggested by another Vice-President and then why not 3 more elected members if suggested by still another. Obviously flexibility is a dangerous proposition without an end for proposals and counterproposals. I am sorry I cannot agree to any new offices being added to the council over the composition decided upon in Novosibirsk.

With regard to the Aim of the ICP, ever since its creation in 1962 at Tucson, its sole purpose has been to ~~find~~ a venue for the next conference and since 1966, also to achieve an honourable liaison or affiliation with IUGS and IUBS. It is solely with the second purpose in view that the Neopalynology and Palaeopalynology subcommittees have been formed. It will be in the interest of this objective that the council draws up constitutions for these subcommittees in accordance with the wishes of the IUBS and IUGS and speedily moves into the matter so that well before 1976, the two affiliations are achieved. Another function assigned to the ICP at Novosibirsk is to coordinate the activities of the subcommittees and that is why its Chairmen are Vice-presidents of the ICP. In absence of any specific directive it is evident that the Chairmen of the subcommittees should be free to organize their charge in consultation with the council rather than vice-versa.

As I visualize it, Prof. Neustadt and Mr. Muller should draw up a list of 24 eminent palynologists each, strictly keeping in view that all the aspects and all palynologically productive countries are proportionately represented as members. As an example I propose the following country wise representation for palaeopalynology - USSR-3, USA-3, India-2, Canada-1, GB-1, France-1, N.L.-1, FDR-1, IAN-1, Sweden-1, Norway-1, Czechoslovakia-1, Austria-1, Hungary-1, Argentina-1, Australia-1, Japan-1, Brazil-1. For Neopalynology countries like Iran, Brazil and FDR can be replaced by Denmark, Switzerland and Italy. For the Council also some sort of a balanced representation is needed. Its membership being small, the balance should be strived for between regions rather than countries. We already have 4 from Europe (incl. the unnamed secretary), 2 from USSR, 2 from India and 1 from S. America. Hence, the only 3 places left should be divided with 2 going to U.S.A. and 1 to Japan. Regarding Mrs Pacltova, I suggest that the secretaryship of the ICP would be the fittest office for her. I hope you have not nominated any body else already.

With regard to the working groups, the approved resolution reads, "The subcommittees may create temporary working groups for working out particular scientific problems". I suggest that you leave this aspect to the two Chairmen who should approach the various palynological centres for the topics and let them communicate the fruits of their efforts to the council by next year for our consideration. The conveners of these groups should communicate a progress report or the final synthesis of the group effort at the Palynology Conference. This will give the group members freedom to publish their findings when ready elsewhere if the Conference is years later or read it in the Conference if near. The Symposia at the next conference can not be too many. Hence broader based symposia which may incorporate a number of group topics will have to be decided upon. I am glad to know from your letter to Prof. Sadasivan as well as to me dated 24.9.71, that the Council would advise the organizing Committee for the

scientific programme of the next Conference. We would welcome your suggestions. For us, the charge is mainly to make the next conference scientifically satisfying and stimulating, besides paying host to our friends from far and near with our traditional hospitality. Some colleagues have already communicated to me their suggestions about the scientific programme to be at Lucknow. On the basis of these, the council's and our own, we hope to draw up the final programme by next year. It is tentatively proposed to divide the proceedings into Symposia and paper reading sessions. The former will bring together comprehensive data regarding generalized aspects of the topic from different countries and the latter will concern with new data pertaining to the topic from members of the working groups etc.

With regard to the financial position of the ICP touched upon by you, I fully agree it is insufficient even for the correspondence you will have to undertake. Hence, to share some of this burden I suggest that when the council members reply to you, they may kindly send a copy for information to all the other members who can there by know the consensus without yourself having to transmit it to them. Accordingly I am making a beginning by sending a copy to all the existing members of the Council. Once the ICSU becomes our patron, the financial position would improve.

Yours sincerely,

*D.C. Bharedwaj*

( D.C. Bharedwaj )

CC. Prof. M.I. Heustadt  
Dr. J. Muller  
Prof. F.P. Jonker  
Prof. E.D. Zaklinskaya  
Dr. P.K.K. Nair  
Dr. S. Archangalsky

309  
Dear Dr. Leffingwell, The above is my reply to Mr. Hughes. I feel the council should have at least two members from U.S.A. I am glad that my reprints have reached you and thanks for your reprint of Wodehouseia.

yours sincerely

*D.C. Bharedwaj*

June 30, 1971

Dr. D.C. Bharadwaj  
Birbal Sahni Institute of  
Palaeobotany  
Lucknow, India

Dear Dr. Bharadwaj:

Thank you so much for the reprints of "Spore assemblage... Spitsbergen", "Palynological succession...Mesozoic Era in India" and "On the organization of Spencerisporites...and Endosporites..." I shall, of course, be able to make good use of the papers in my research and for our work on the Catalog of Fossil Spores and Pollen.

Thank you for remembering me and please be assured of my high esteem for you and your work.

Yours very truly,

Alfred Traverse  
Professor of Geology & Biology

AT/vsi

March 29, 1967

Dr. D.C. Bharadwaj  
Birbal Sahni Institute of Palaeobotany  
53 University Road  
Lucknow, India

Dear Dr. Bharadwaj:

It has taken me a very long time to find an opportunity to answer your interesting letter of 12 Dec., 1966.

Regarding my suggestion about the foundation--I believe I referred in our conversation to a book which lists most--practically all--of them. The book is: "The Foundation Directory", published by the Foundation Library Center at the Russell Sage Foundation, New York, N.Y., U.S.A. Whether there would be a copy of same in Lucknow it is hard to say, but I would think one could be borrowed by library loan for you to use; if not, I would guess that the U.S.A. Information Office in New Delhi could help you get a copy. The book provides all of the information to which I referred in our talk in the London Airport.

About your proposed lecture tour--I am not in a position to predict what would happen to such an undertaking in general. I could invite you to present a talk here at Penn State for an honorarium of \$100 and perhaps a small amount of expense money, if that would be of help. I believe that a lecture on Gondwana palynology would be of the most general interest. If you decide to make such a tour, I suppose that the best approach would be to write practically all the American palynologists, not just the few you mentioned in your letter. You have the addresses in the World Report on Paleobotany. If you could interest one of the oil company palynologists, that would assure the success of the venture. I am thinking of people like Felix, Engelhardt, Elsik, and so forth. I know that when I was with Shell it was comparatively easy to invite a visiting scientist to give a lecture, expenses paid.

Hoping that this not too tardy or too little helpful. I am

Yours very truly,

Alfred Traverse  
Associate Professor of Geology

Dear Dr. Traverse,

Your kind letter and the photographs to hand. I am so thankful to you for them.

How pleasant it was to have met you in London Airport. In Utrecht, inspite of six days, we were so many that it was difficult to snatch more than a few minutes to talk to any body. In contrast to that the 15 minutes we talked about things in London made all the difference. You <sup>\*</sup>told me to seek financial help for our research projects from some of the lesser known Foundations. Now that you are back in your seat, I hope you would suggest me some of the promising ones with their addresses.

Next year I have been invited by the VI International Congress on Carboniferous Stratigraphy & Geology being held in Sheffield to deliver one of the General Addresses. So I may be in Europe during September. After this I was just thinking if it could be possible to visit the States on a lecture tour. I think you can advise me about the feasibility of such a venture. The probable time will be October-November. The lectures I am thinking of preparing are -

1. Devonian Spores dispersae.
2. Gondwana Palynology.
3. Miofloral diversification during Permian.

If you can think of some other aspects of Palynology more interesting for the American Universities, you can suggest to me.

I would be thankful to know how far you can help me in this programme and how can it be best arranged. On my own I can write to Prof. Wilson, Cross, Arnold and Norton as well as Kremp.

Do write me. With best personal regards,

Yours very sincerely,

*D.C. Bhardwaj*  
(D.C. Bhardwaj)

*\* a bland exaggeration!*

Bill -

Could I have your comments  
on this, please?

Al

His letter suggests that he  
would not be a stimulating speaker,  
however, we could invite him to present  
a colloquium lecture if you wish. He  
would be entitled to a honorarium  
(\$100.00) and perhaps some expense  
money. The topic with most appeal  
would be Gondwana Palynology.



27 September, 1966

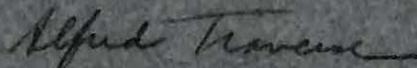
Dr. D. Ch. Bharadwaj  
Birbal Sahni Institute of Paleobotany  
Lucknow, India

Dear Dr. Bharadwaj:

One of my duties here will be to assume a measure of responsibility for the Catalog of Fossil Spores and Pollen, as editor. In getting started at this, I find that several photos you lent to the Catalog for use in Volume 18 have never been returned to you. I return them herewith, with many thanks for your cooperation and appreciation for your patience.

It was good to meet you at the Conference in Utrecht, and then to get a better chance to visit in the London airport. My best wishes to you in your work.

Yours very truly,



Alfred Traverse, Editor  
Catalog of Fossil Spores and Pollen