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About the Institute

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

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

Dr. Traverse

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

Office of Science Information Service

June 15, 1973

Dr. William Spackman
College of Earth and Mineral
Sciences
The Pennsylvania State University
513 Deike Building
University Park, Pennsylvania 16802

Dear Dr. Spackman:

Thank you for your letter of May 30, 1973, regarding the final fiscal report on grant GN-782, "Recording of Taxonomic, Stratigraphic, Morphological and Bibliographical Data for Palynology".

As I mentioned to you recently by telephone, a final fiscal report on the GN-782 activities showing that all grant funds were committed prior to the end of the grant period would be acceptable provided that the expenditures are consistent with the approved grant budget. It does not matter that the actual disbursement was made after the expiration of the grant period. Please note, however, that the fiscal reporting period must match exactly that of the grant period (namely, both periods end June 30, 1972).

Kindly let me know if we can be of further assistance.

Sincerely yours,

Louisa ✓

Louis Cima
Associate Program Director
Information Systems Program

*Dr. Traverser
file Cima*

THE PENNSYLVANIA STATE UNIVERSITY

513 DEIKE BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Coal Research Section

Area Code 814
865-6544

May 30, 1973

Dr. Louis Cima
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

Since receiving your letter of September 8, 1972, I have reviewed the budget associated with NSF Grant GN782 in great depth. I have also explained the somewhat complex budget history to the people in our accounting offices. They now have prepared a final statement of the account and it is ready for transmittal to your office.

As you will recall, the funds still available as of June 30, 1972 were committed prior to that date in the interests of maintaining personnel until such time as refunding might occur. I believe some chance of project renewal existed until late in 1972. However, disbursement of funds ceased as of October 31, 1972. Any budgetary activity subsequent to October 31st has simply been internal adjustment to consolidate the three operating budgets into a single final accounting for the grant.

Your records will show that Grant BN782 had a termination date of June 30, 1972. In view of the above, I herewith request that the termination date be changed from June 30, 1972 to October 31, 1972. I am informed by our business office that as soon as this authorization is in hand, they will be prepared to submit the final accounting.

Cordially yours,

William Spackman

WS:jpd

cc: A. Traverser ✓
M.E. Bell
T.W. Wiser

May 17, 1973

Dr. Louis Cima
Associate Program Director
Information Systems Program
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

This is to confirm our earlier phone conversation and your letter of 11 May regarding my request that proposal P2N0222 be withdrawn from further processing at this time. I do look forward to getting a chance in the fall to discuss possible directions the palynology project could take in the future.

Looking forward to seeing you then. I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

Office of Science Information Service

May 11, 1973

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

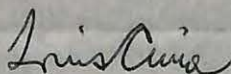
P2N0222-000

Dear Dr. Traverse:

This refers to our telephone conversation of May 11, 1973, regarding Proposal P2N0222, "Project for Experimental Processing of Palynological Data with Special Reference to Taxonomic and Nomenclatural Problems."

Pursuant to your request, Proposal P2N0222 is withdrawn from further processing. I understand that you will be visiting this Program in the fall to discuss your plans for a modified version of the paly-nology project.

Sincerely yours,



Louis Cima
Associate Program Director
Information Systems Program

January 4, 1973

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

I am enclosing herewith the two copies of "Information and Records Management", which you lent me during my recent visit to Washington. They have been most useful and interesting for discussions between me and Dr. Spackman.

Thanks again for the time you spent with me during my visit. Happy New Year.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi
Enclosure: magazines

December 29, 1972

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

Thank you so much for spending so much time with me last week. I am still mulling and discussing the things which were on our agenda and likely will contact you again after a bit.

Under separate cover I am sending you a copy of Catalog Volume 35 in replacement of the older copy which you returned to me.

Best wishes to you for what remains ~~of~~ the holiday season.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

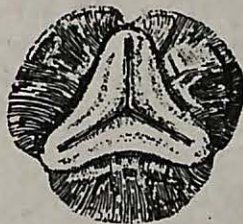
AT/vsi

file
Cima

15-XII-72

J. Cima says that Scans Information
Systems might suggest CRSD
to develop system to put whole
lot, pieces of film, or microfiche
to microfilm but will not
suggest more input in old way,
CRSD deficit, or requests (exp. not
reported)

CATALOG OF FOSSIL SPORES AND POLLEN



DEIKE BUILDING
THE PENNSYLVANIA STATE UNIVERSITY
UNIVERSITY PARK, PENNSYLVANIA 16802
U. S. A.

THE
INTERNATIONAL COMPENDIUM
OF
PALYNOLOGICAL SYSTEMATICS

September 15, 1971

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

I have had a memorandum from the appropriate authority here at Penn State regarding a time extension for NSF Grant number GN782-- my project 424-04 NSF Paly-Data III (6613). In this memorandum it says "the established date of 12-31-71 is an extension of GN782 by amendment #2 of 6/30/71. Therefore, it cannot be extended another six months automatically."

As you know, this money was originally intended for a twelve-month period, to keep the palynological data effort at Penn State alive through calendar '71. In fact, the money did not come through until early summer of this year. By that time, we had lost the original staff, and have so far succeeded in obtaining part time help plus one of the original abstractors who has come back to us as the research assistant in charge of the abstracting work. It follows, therefore, that we really have been expending the money more slowly than we would have under the original, much reduced, budget. It is obviously essential, therefore, to extend the term of this grant through 6/30/72. I am requesting that such action be taken by NSF at this time.

Yours very truly,

Alfred Traverse
Alfred Traverse
Professor of Geology & Biology
Principal Investigator

William Spackman
Director of Coal Research Section

James B. Bartoo
Acting Vice-President for Research

File Ams

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

JUN 21 1971

Office of Science Information Service

Dr. Alfred Traverse
Professor of Geology & Biology
The Pennsylvania State University
513 Deike Building
University Park, Pennsylvania 16802 PLN0018

Dear Dr. Traverse:

We are pleased to inform you that an award has been made to The Pennsylvania State University for "Recording of Taxonomic, Stratigraphic, Morphological and Bibliographical Data for Palynology", under your direction.

If this Program can be of assistance during the period of the grant, please write or call us.

Sincerely yours,

Gordon Ward

Gordon B. Ward
Program Director
Information Services Program

Enclosures
1 cy grant letter
1 cy budget summary

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D. C. 20550

JUN 21 1971

Dr. John W. Oswald, President
The Pennsylvania State University
University Park, Pennsylvania 16802

Grant GN-782
Amendment No. 2
Proposal No. P1N0018

Dear Dr. Oswald:

It is a pleasure to inform you that an additional \$31,200 is granted to The Pennsylvania State University for a project entitled "Recording of Taxonomic, Stratigraphic, Morphological and Bibliographical Data for Palynology." This project is under the direction of Alfred Traverse, Department of Geology and Geophysics, and is extended to approximately December 31, 1971.

*refer to
A 1276
from subject*

It is the intention of the Foundation to provide the remaining funds associated with this grant upon availability of fiscal year 1972 funds.

The indirect cost rate shown on the attached budget summary is a fixed predetermined rate and is not subject to adjustment.

The funds awarded under this grant, as amended, now total \$168,000.

Except as modified by this letter and the attached budget summary, the conditions of our previous grant letters apply during the term of this amendment.

Sincerely yours,

Wilbur W. Bolton, Jr.
Grants Officer

Enclosure

TRAVERSE

INFORMATION SERVICES PROGRAM

BUDGET

TWELVE-MONTH BUDGET

"Recording of Taxonomic, Stratigraphic, Morphological
and Bibliographical Data for Palynology."

A. SALARIES

1. Principal Investigator (Part-time)	\$ 950	
2. Research Assistant	7,200	7,400
3. Abstractors (2)	10,080	
4. Graduate Assistant (Part-time)	<u>3,120</u>	
		\$21,350

John Way

B. EXPENDABLE SUPPLIES & OTHER OFFICE COSTS

		<u>750</u>
TOTAL Direct Costs		\$22,100
Indirect Costs at 65.5% of Salaries		<u>10,376</u>
(Total indirect costs \$13,984 less grantee contribution \$3,608)		
Total Estimated Costs		\$32,476
Awarded at this time		\$31,200
To be Awarded upon Availability of FY 1972 Funds		\$ 1,276

NATIONAL SCIENCE FOUNDATION

JUN 2 1 1971

PROJECT
SUMMARY

NSF GRANT NO.
~~GN-782~~ GN-782.2

NAME OF INSTITUTION (NSF DIRECTORY NAME) THE PENNSYLVANIA STATE UNIVERSITY		ADDRESS OF INSTITUTION (INCLUDE BRANCH/CAMPUS & COMPONENT) University Park, Pennsylvania 16802
PRINCIPAL INVESTIGATOR Dr. Alfred Traverse	SOCIAL SECURITY NO.	DIVISION (OFFICE) AND DIRECTORATE OSIS
PROPOSAL NUMBER 1110018		SECTION -
TITLE OF PROJECT Recording of Taxonomic, Stratigraphic, Morphological and Bibliographical Data for Palynology.		PROGRAM INSF
SUMMARY OF PROPOSED WORK (LIMIT TO 22 PICA OR 18 ELITE TYPEWRITTEN LINES) <p>The requested funds will enable the grantee to continue at a low, minimal level the data recording project in palynology which was started in 1968 under NSF grant GN-782. As originally described in summary sheet GN-782, the entire project consisted of two major tasks:</p> <p>A) Rearranging of data contained in the 30 volumes of the Catalog of Fossil Spores and Pollen and extracting of additional data from the research literature relative to the 5,000 palynology taxa covered in the catalog; B) assembling, searching, translating, extracting, arranging and recording data related to about 20,000 taxa from a backlog of about 7,500 palynology papers. Task A was completed under NSF grant GN-782 and Amendment No. 1 (August 8, 1968 to December 31, 1970). The additional amount awarded in Amendment No. 2 will allow a start on Task B. About <u>1,000 unrecorded papers</u> from the backlog will be processed. The palynology data to be recorded will consist of:</p> <p>1) <u>Taxonomic data</u>: new specific basionyms (the first name used for a species); all new genera; new combinations of specific names; new specific and generic names (those that replace previously used names); synonyms; homonyms; subsequent citations. 2) <u>Geologic data</u>: stratigraphic range; lithology; ecological implications; 3) <u>Morphologic data</u>. The grantee will not use funds from this award to undertake any automatic data processing activities related to the data recorded under this grant and its amendments.</p>		

DURATION GRANTED	AMOUNT GRANTED
XXXXXX 1 year	\$31,200

A copy of this summary has been sent to the Science Information Exchange at the Smithsonian Institution for reference and public records.

July 31, 1972

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

Enclosed is my evaluation of P2N0094, per your request. I regret that this has taken so long, but the end of term and other matters have intervened.

Best wishes as ever.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi
Enclosure: proposal & evaluation

NATIONAL SCIENCE FOUNDATION

PROPOSAL RATING SHEET

Reviewer Dr. Alfred Traverse

Proposal No.: P2N0094

Investigator: Harold L. Cousminer

Institution: AM. MUSEUM OF NAT. HISTOR

Please return to: Dr. Cima

if possible by: July 7, 1972

Comments (Continue on additional sheet if necessary)

Dr. Cousminer's proposal covers a worthwhile and potentially useful project for micropaleontologists generally. I would suppose that its usefulness will increase as the coverage increases, and the possibility grows of making up specialized bibliographies from its magnetic tapes.

In the short run, and speaking only as a palynologist, I find that the AMNH Bibliography and Index of Micropaleontology duplicates what I already get from the Pollen et Spores (Paris) bibliographies (which Cousminer mentions in his proposal) and the bibliographies in Review of Palaeobotany & Palynology (Netherlands) and the annual bibliography of the Paleobotanical Section of the Botanical Society of America, and the periodic bibliographies of the World Report on Paleobotany (a function of the International Association for Plant Taxonomy). Potentially, the AMNH bibliography offers more comprehensiveness and the possibility of computered query, but as yet these factors are only potential.

At the same time, it should be noted that the Kremp bibliographic effort at the University of Arizona, while as yet restricted in availability because of oil company commitments, does about the same thing as the AMNH work for paleopalynological papers. Presumably it will be broadly available before too long. Also, Dr. Hans Tralau at the Swedish Natural History Museum in Stockholm has a quite similar, computer-based, bibliographic effort going, covering paleobotanical-paleopalynological references both past and current.

In brief, then, I am saying that the AMNH effort apparently will be of far greater importance to micropaleontologists working on foraminifera and other animal remains than to palynologists. Indeed, palynologists are really not very badly in need of more bibliographic services at this time. Perhaps other micropaleontologists are (I wonder if I knew the situation in other branches of micropaleontology I might not know of overlap and duplication there too. Such duplications certainly exist in paleopalynology. We now need compilation services that go beyond bibliography into various aspects of taxonomy).

OVERALL RATING

- EXCELLENT
 VERY GOOD
 GOOD
 FAIR
 POOR

Signature of Reviewer:

Date:

Other suggested reviewers (optional):

NSF Form 173, January 1968

"Reviewers' comments are solicited and received in confidence by the National Science Foundation, an agency of the U.S. Government, and will be given maximum protection from disclosure permitted under applicable laws, including 5 U.S.C. 552 (The Freedom of Information Act)."

Nevertheless, it is evident that the AMNH-AGI cooperative effort is a good thing and should be encouraged, particularly in view of Cousminer's near-certainty that complete financial independence will fairly soon develop for the Bibliography and Index (I hope he is not being overly cheerful!).

Minor quibbles (p. 16): 1. How do three half days equal 2/9? Seems more like 3/10.

2. "Adequate office space" at AMNH for micropaleontology must be a recent development. The micropaleontology section seemed to be step-children in this respect when I last visited there.

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

Office of Science Information Service

June 15, 1972

Dr. Alfred Traverse
Department of Geology & Geophysics
The Pennsylvania State University
513 Deike Building
University Park, Pennsylvania 16802 P2N0094

Dear Dr. Traverse:

The enclosed proposal from the American Museum of Natural History requests Foundation support for "Establishing Multi-indexed Bibliographic Services for Current Worldwide Literature in Micropaleontology." We would be grateful for your assistance in evaluating this proposal.

Your critical evaluation will be of great assistance to us in determining whether the requested support is commensurate with the project's scientific merit and its need for assistance. A form is enclosed for your convenience in replying. Thank you for whatever attention you can devote to this matter.

Sincerely yours,



Louis Cima
Associate Program Director
Information Systems Program

Enclosures

July 11, 1972

Dr. Louis Cima
Assistant Program Director
Information Systems Programs
Office of Science Information
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

I have cut back the staff on our Paly-Data project to one abstractor, in order to keep continuity in our data work going as long as possible. I figure that at the current rate of expenditure, the money we have on hand should last until October and am hereby requesting that the termination date for NSF GN782 be extended to 31 October.

Looking forward to hearing from you about this, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/mjt

THE PENNSYLVANIA STATE UNIVERSITY

207 OLD MAIN BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

Vice President for
Research and Graduate Studies

June 19, 1972

Area Code 814
865-6332

Dr. Louis Cima
National Science Foundation
1800 G Street, N. W.
Washington, D. C. 20550

Dear Dr. Cima:

Enclosed for your consideration are twenty (20) copies of a research proposal entitled "Experimental Processing of Palynological Data with Special Reference to Taxonomic and Nomenclatural Problems" which has been prepared by Dr. Alfred Traverse.

Very truly yours,

R. G. Cunningham
Vice President for Research
and Graduate Studies

RGC/JLD/seb
Enclosures
cc: M. E. Bell
A. Traverse ✓

THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING

UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Department of Geology and Geophysics
Organic Sediments Laboratories

Area Code 814
865-6545
865-6543

9 June, 1972

Dr. Louis Luria
etc.

Dear Louis -

Enclosed is a preliminary copy of
the proposal I mentioned over the phone.

The others — formally submitted — should
arrive before too long.

We all still believe firmly that
"CESP" is the right base from which
physiological data-manipulation should
develop.

Best wishes, as ever,

Al Traverse

DR. ALFRED TRAVERSE

529 Deike Building

Pennsylvania State University

University Park, Pa. 16802

January 28, 1972

Dr. Lewis⁶⁴ Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

Although I have seen you in the interim, I can find no record of having heard from you in response to my formal letter of 29 October regarding the budgetary problem that we had with the original "Paly-Data project (GM-782)". As you will recall the problem had to do with straightening out the budget inasmuch as circumstances compelled us to pay salaries while cutting back to the bone on supplies, equipment, etc. As I explained in the letter of 29 October, the money has in fact been expended that way, but it might be desirable for the auditors if we could show that you have no objection to our having paid wages and salaries with the money.

I still have hopes of writing you in the near future about some other matters and to give you a more complete run down on the present status of palynological data as I see it. In the meantime, best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

October 29, 1971

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

The financial powers around here have informed us that in connection with the original "Paly-Data project (GN-782)", it is necessary in order to attempt to balance the budget ex post facto for me to request permission to transfer \$7021.03 from expendable supplies to salaries, wages and overhead. The necessity for doing this is connected with the personnel problems we had during the winding-down phase of the original project. Dr. Sandersaand several of the other people who have left us had to be paid for several months at the end of the project, while we cut back severely on use of all supplies, equipment, rental etc. in order to be able to make the wage and salary payments. As I understand it, the money actually has been expended in this way, but it is necessary for us to secure approval to make the appropriate transfer in the books.

Hoping that this will be okay and looking forward to seeing you in Washington next week, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

P.S. It is complete coincidence that a request that I write this letter arrived about five minutes after I had hung up from speaking with you!

Dr. Travers

file

Please write to Dr. Cema
 in connection with The First
 Paly-data (GN-782) money - asking to
 transfer \$7021.03 from The
 expendable supplies category
 to Salaries, Wages +
 Overhead.

Jane Johnson

actual figures

4754.10 Sal.

624.89 wages

3259.67 Overhead

 \$8,638.66

but only \$7021.03 is left

September 22, 1971

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

I wonder if anyone has taken the trouble to inform you of the "symposium" which Gerhard Kremp is running as a preliminary session before the annual meeting of the American Association of Stratigraphic Palynologists in Tucson in October? I am enclosing a xerox copy of the program in case you would be interested. In any event, you should know that it is taking place.

Best wishes as always.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi
Enclosure: xerox copy of program

P.S. I just had a conference with your son's friend, Ronnie Lewis. He seems to be a pretty well organized guy, and should have no trouble at Penn State. I naturally appreciated his asking to have me as his advisor!

September 15, 1971

↙
Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

I have had a memorandum from the appropriate authority here at Penn State regarding a time extension for NSF Grant number GN782--(my project 424-04 NSF Paly-Data III (6613). In this memorandum it says "the established date of 12-31-71 is an extension of GN782 by amendment #2 of 6/31/71. Therefore, it cannot be extended another six months automatically."

As you know, this money was originally intended for a twelve-month period, to keep the palynological data effort at Penn State alive through calendar '71. In fact, the money did not come through until early summer of this year. By that time, we had lost the original staff, and have so far succeeded in obtaining part time help plus one of the original abstractors who has come back to us as the research assistant in charge of the abstracting work. It follows, therefore, that we really have been expending the money more slowly than we would have under the original, much reduced, budget. It is obviously essential, therefore, to extend the term of this grant through 6/30/71. I am requesting that such action be taken by NSF at this time.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology
Principal Investigator

William Spackman
Director of Coal Research Section

James B. Bartoo
Acting Vice-President for Research

September 15, 1971

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

Under separate cover you should receive fairly soon a request from the university to extend the time on GN782. As I mentioned over the phone to you a while back, I knew we would have trouble getting the staff cranked up again after losing all of them, and so far I have had only part-time help plus Mrs. Moore, one of the original abstractors, who has taken over as research assistant in charge of the abstracting operation. I think that within a few weeks I probably should have a couple of other abstractors lined up, but there will be some effort involved in training them, of course.

I am also working on a proposal for continuing the work on palynological data here, and have decided on the basis of discussions with Kremp and others that what we should probably do at Penn State is to center our activities around palynological data as it applies directly to essential taxonomic and nomenclatural activities. This is work which quite naturally nobody else wants to undertake, and for which we are uniquely qualified because of CFSP. What this means is that we would direct our attention especially to the papers which are covered in the Catalog and such other papers as have an important bearing on taxonomic and nomenclatural matters, leaving the job of general abstracting of the total literature to Kremp and others. This was one of Kremp's suggestions for cooperation in handling the total job. Another one was the possibility that we could handle all of the papers dealing with modern spores and pollen--but the latter has less appeal to me at the moment. You will recall that an application of Catalog know-how was one of your original suggestions for our activities.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

May 10, 1971

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington D.C. 20550

Dear Louis:

Just had a one day trip to New York, partly on personal business, partly regarding micropaleontological information. Had a good talk with Cousminer, with Daniel Habib of Queens University, and with the people at the American Museum (especially Mrs. Miller) who are actually working on data-retrieval in micropaleontology. It looks as if Cousminer and his helpers have come completely full circle now and are doing a very simple job of bibliographic extraction, as you may know. This relatively simple treatment of the information in paleontological papers is to be incorporated with the Georef stuff from the AGI. I am sure that this sort of approach will make for a useful compendium of information, but it is certainly an entirely different ball park from what was being discussed a year or two ago, and what we have been trying to do here. I gather that a number of people feel a more sophisticated approach is not feasible. Just thought you might like to know about this further conference.

Best wishes as ever.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/mdw

April 16, 1971

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

I had such a nice letter from Ronnie regarding his visit here, and I do hope that he did not take too much umbrage at the jocular and somewhat negative remarks I made about the "Big Green"! Harvard just has never been able to take Dartmouth all that seriously-- Daniel Webster to the contrary notwithstanding!

The meeting in St. Louis was quite productive, and it may well be that you would have profited from sitting down with Kremp and me. As it turned out, he had already had his meeting with the oil company people when he arrived in St. Louis, and was more relaxed and open about his project than I had ever seen him. He made some concrete suggestions as to how his computer-based project and ours could be eventually merged for the greater good of all and now says that the maximum time in the future at which this might take place with sponsor approval would be about two years. In the meantime, we could be thinking of the way his suggestions could be best realized. In brief, the suggestion he made was for me to be responsible for developing techniques for adding morphological features from Upper Mesozoic and Cenozoic pollen. He claims that by two years from now he will have all of the papers and literature in his system, but he admits that the technique of coverage is extremely superficial and, among other things, does not cover morphology of the spores at all. From my point of view, that makes it about as useful as a car with two wheels.

Still have heard nothing regarding the "skeleton" grant for which we were being considered.

Dr. Louis Cima
April 16, 1971
Page 2

By the way, I had originally planned to attend the International Palynological Conference in the Soviet Union next summer, having been designated the official American delegate by the palynological association, being one of the few Americans officially invited, and having planned to present a paper on some suggestions regarding the eventual system for storage of palynological information. At the time I made the original plans, I was given reason to believe that there might be funds forthcoming from Penn State sources, but they have dried up. Have you any suggestions regarding ways I might succeed in financing such a trip? I am personally not all that keen to go, but it seems to me unfortunate for the president of the American palynological group not to attend, especially when he has been officially invited and was slated to give two papers.

Best wishes to you.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

February 19, 1971

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

The copy of a letter to Kremp which I sent previously is probably self-explanatory. The Executive Committee session of the ASSP is to be held in the Howard Johnson's-North Motel, St. Louis on Thursday and Friday, 1-2 April, 1971. I think as I suggested over the phone, it would indeed be beneficial all around if you could be present for the discussions between Kremp and me about the future of palynological data storage and related matters. I do hope you will be able to make it. If you cannot, and timing is the reason, Kremp and I might consider some alternative date. However, as you can see, it would obviously be to our mutual advantage for the session to be just before the AASP session, since I must return to State College immediately following that session. When you respond, please let me know whether you want me to make a reservation for you at the Howard Johnson's-North Motel in St. Louis for nights of 30-31 March, or whether you will take care of that matter yourself. I have a reservation for the 31st, and probably will not arrive at the motel until the morning of the meeting between you, Gerhard and me on the 31st.

Looking forward to seeing you and to hearing from you about your reservation and so forth, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

March 16, 1971

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

I just had a conversation with Gerhard Kremp which makes it seem even more obvious that you should not plan to go to St. Louis! The latest dope is that Gerhard is having a meeting with the oil company people who have been supporting his work--at the same time that I had originally thought he and I were to get together, and he is now begging off from even the evening session to which he had previously agreed. I'm hoping that I will be able to catch him for at least a few minutes sometime later during the St. Louis session, but I must say that this is a little discouraging.

Looking forward still to seeing Ronnie Thursday, and also am hoping that he will give us a good report. Best wishes, as always,

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

CIMA

THE PENNSYLVANIA STATE UNIVERSITY

513 DEIKE BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Coal Research Section

Area Code 814
865-6544

November 19, 1970

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

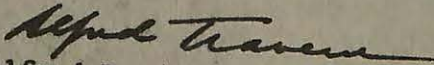
Dear Dr. Cima:

With reference to our phone conversation of earlier today, this is to clarify our revised proposal of 16 October, 1970.

The overhead calculation on the salary figures of \$21,350.00 at 58.92% would be \$12,580. If this figure is added to the figures for salaries and expendable supplies, a total budget of \$34,680 is obtained. Ten per cent of this is \$3,468, which was reckoned to be the University contribution. This was deducted from the total overhead of \$12,580, yielding \$9,112 as the overhead amount requested in the budget submitted.

Hoping that this clarifies your question, I am with best wishes,

Yours very truly,


Alfred Traverse
Professor of Geology & Biology

Approved

James B. Bartoo
Acting Vice President for Research

THE PENNSYLVANIA STATE UNIVERSITY

INTER-OFFICE CORRESPONDENCE

Date: November 19, 1970

From: W. Spackman

To: R.E. Montgomery

Dear Mr. Montgomery:

Attached please find a letter from Dr. Alfred Traverse which was requested today by Dr. Louis Cima, in connection with our proposal to the National Science Foundation entitled, "Continuation and Extension of Project for Compilation and Use of a Comprehensive Index of Taxonomic, Stratigraphic, Morphological and Bibliographic Data for Stratigraphic Palynology". Dr. Cima felt that some clarification was needed in connection with the University contribution.

I would appreciate it if the attached letter might be transmitted to Dr. Cima as soon as possible.

Cordially yours,

William Spackman, Director
Coal Research Section

Approved

M.E. Bell, Director
E & MS Experiment Station

CIMA

Deike 529
University Park, Pa. 16802

12 Nov., 1970

Dr. Louis Cima
Office of Science Information Service
National Science Foundation
Washington, D. C. 20550

Dear Louis:

Several weeks ago I promised to write you about the status of discussions with various people interested in data storage and retrieval in palynology regarding possible future cooperation. There were some such discussions at the Toronto meeting, though I was badly preoccupied with my duties as Secretary-Treasurer and President-elect, and was also giving a paper and presiding at several sessions.

L. R. Wilson of Oklahoma was cordial enough, but both Dr. Kremp and I had the feeling we were getting the brush-off when we talked with him about cooperation. We had collared him individually. He told us both that what he is doing is so far "beyond" what ~~we are~~ *we are* ←! doing that there was little point in his discussing the situation with us. And yet, Kremp tells me over the phone (tonight) that he (Kremp) knows that the Oklahoma project is probably not going to come to anything.

The various oil company people who are interested in this area are all getting the very simple abstracts that Kremp is preparing--these are almost exclusively bibliographic and contain nothing at all about morphology. They, ^(each company) each have their own programs for manipulating the data which Kremp prepares, and they are quite satisfied with what they are getting out of it. Privately, they admit that the more thorough-going abstracting which we have been attempting is more likely to bear fruit in the long run, but they are only interested in the short run!

Kremp, however, seems eager to cooperate, and I am hopeful that something could be worked out to add aspects of what we have done to his banks, though discussions of the mechanics of this are still in the future. We have, however, at least agreed that it is desirable for us to cooperate, and I think it will happen, providing of course that the Penn State abstracting program is kept alive at all.

Which brings me to the painful subject of Dr. Sanders. He has so alienated the Dean, Dr. Spackman, and everybody else of any importance around here that he is being requested to get out of the building, even though that means that the university may have to pay him salary through June for doing nothing. (Through a mixup, he was given a contract through June, though it was Spackman's and my intention that he should be employed *only* on a month-to-month basis at least until the funding for 1971 was straightened out.) Sanders has been spreading all sorts of lies and half-truths around (such as that the dean is a white ^{*} racist who hates him--much of this is in writing and has been widely circulated around the campus), and the whole situation is quite unsavory. That is why I have felt that the lack of funding would be a mixed blessing if it got us rid of Sanders. He has resigned twice in the last year, and we are kicking ourselves that we didn't accept! I expect it is quite possible that you are on the list of those who have been sent scurrilous information by Sanders, and I would request that you check it out with Dr. Spackman, Dean Hosler of this College, or any other official here who knows anything about the "case" before you believe even 10% of what the character may have told you. Perhaps we are lucky, and he has said nothing, but I doubt it. I know that he has taken it upon himself to communicate with long lists of people all over the country about the "raw deal" he thinks he has had here.

Well, all of this is unpleasant, but had to be faced. It helps to explain why "Paly-Data" has been a gray-hair project for me.

We have carried two of the abstractors on other projects so that they could go back to abstracting if we should be so lucky as to be refunded even on thy skeleton-crew scale we have latterly proposed. The rest of the crew is gone.

Best wishes as always.

Yours very truly,

Al

Alfred Traverse

Professor of Geology & Biology

* Sanders claims to be part Indian - I don't know whether it is true or not.

October 16, 1970

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

Per our recent phone conversation, I would like to submit this letter by way of a revised proposal for support of our Palynological Data Retrieval Project. As we have previously discussed, it is apparent that our original proposal cannot be funded at the level proposed because of unavailability of funds. It is important, as explained in my letter of 7 October to you, to keep this project alive so that the palynological "community" can profit from what we have already done and so that the data banks begun can be expanded and increased in number to the point of true usefulness to palynologists at large. We are on the threshold of such usefulness, but demise of the project now would mean that most of what has been done to date would be wasted.

I proposed therefore, that a skeleton abstracting crew be kept on the job, as explained in my letter to you of 29 September. In that letter I listed their salaries for a period ending 30 June 1971. If the salaries are instead cast on a one-year basis, the figures are as follows:

Estimated Budget

1 October, 1970 - 30 September, 1971

A. Salaries and Wages

Faculty:

A. Traverse, Principal Investigator
(5% per month; Salary Plan A) \$ 950.00

Non-Faculty:

Chief Abstractor (Research Assistant) 7,200.00
Abstractor 1 5,040.00
Abstractor 2 5,040.00
Graduate Assistant (50% of time) 3,120.00

B. Expendable Supplies and Equipment \$21,350.00
750.00

Estimated Budget, continued

C. Indirect Costs

Computed at a fixed overhead rate (predetermined, fixed cost rate, approved by DOD for the period January 1, 1970, through December 31, 1970) applicable to direct salaries and wages. If this proposal is funded, the rate quoted below shall be subject to adjustment to any superseding DOD approved rate in effect at the time of funding, which rate shall then become a firm fixed rate for the project.

On-campus rate of 58.92%

12,580

is that a union contribution

3,465-Union Cont.

Amount Requested =

\$ 9,115.00

10,970 Total

\$31,215.00

Total Requested

(=10% of total incl. 12,580 instead of 9,115.00)

As previously explained, this will provide for building and maintenance of data banks only. No funds will be devoted to development of the system of managing the assembled data.

Thank you so much for your continued interest.

Yours very truly,

Alfred Traverse

Approved by:

William Spackman, Director
Coal Research Section

E.F. Osborn
Vice President for Research

October 16, 1970

William Spackman

R.E. Montgomery

Dear Mr. Montgomery:

Attached please find a letter revision of our proposal to the National Science Foundation entitled "Continuation and Extension of Project for Compilation and Use of a Comprehensive Index of Taxonomic, Stratigraphic, Morphological and Bibliographic Data for Stratigraphic Palynology". This revision has been requested by the Office of Science Information Service and it would be appreciated if it could be transmitted to Dr. Louis Cima, Assistant Program Director, Office of Science Information Service, National Science Foundation, Washington, D.C. 20550 with all possible speed.

Also attached are revised Clearance Data forms .

Cordially yours,

William Spackman
Director, Coal Research Section

WS:jpd

Approved:

M.E. Bell, Director
E and MS Experiment Station

SECTION I - PARTICULARS CONCERNING THE PROPOSAL

() New Project
() Renewal of existing project, Contract or Grant No. GN 782
Project Director Alfred Traverse

College: Earth and Mineral Sciences Department: Coal Research Section
Institute for Science and Engineering:

SPONSOR: Office of Science Information Service TITLE: Continuation of Project for Compilation and Use of a Comprehensive Index of Taxonomic, Stratigraphic, Morphological and Bibliographic Data for Stratigraphic Palynology
National Science Foundation

Kind of research:
() Basic
() Applied
() Developmental
() Testing or service

The research under consideration would:
() Support general University purposes
() Support graduate training
() Support faculty research
() Mainly be a service to sponsor
() Other

Budget request \$ 31,215.00 Budget period 1 year 10/1/70 - 9/31/71
9/68 Date this project first became active or may become active with this Sponsor.

Yes () No () Is it the present hope or plan that contractual relationships for this project with this Sponsor will continue beyond a three (3) year period?
Yes () No () Will participating college be required to ask for additional space?
Yes () No () Will personnel be available to meet anticipated needs?
Yes () No () Will the proposed research involve the use of human subjects?
Yes () No () Will the proposed research involve the use of animals?
Yes () No () Will the proposed research involve the use of Computation Center services?

SECTION II - PARTICULARS CONCERNING THE ANTICIPATED CONTRACT TERMS

Type of contract involved: () Cost reimbursement; () Fixed price subject to price redetermination; () Firm fixed price; () Grant; () Other

	University	Sponsor	Unspecified	Not applicable
Patents: Ownership vested in	<input checked="" type="checkbox"/>			
License right to		<input checked="" type="checkbox"/>		
Equipment Ownership: If purchased from contract funds	<input checked="" type="checkbox"/>			
If furnished by sponsor				<input checked="" type="checkbox"/>
Disposition of unexpended funds		<input checked="" type="checkbox"/>		

Overhead rate: 50.8% Will security classifications be imposed? () Yes () No
Applied to: Salaries and Wages Will reports be required by sponsor? () Yes () No
Less 10% of Total Costs Will the University be free to publish papers? () Yes () No

*University Participation: \$ 3,465 *Contribution to Graduate Program: \$ 3,120.00

Comments: (Mailing instructions, etc.)

Recommended by:**

Department Head/ISE Unit Director, etc.

Dean or Designated Representative/ISE Director

Vice President for Research

IMPORTANT: This form has been developed solely for the purpose of processing research proposals. It should also be used when processing a contract if the proposal for the contract was not processed by the Administrative Committee on Research.

Forward original and 2 carbon copies of this form to Office of the Vice President for Research.

* Bring total forward from itemization on page 2.

** Recommendation of the director of a Commonwealth Campus should be evidenced by his signature on the letter which transmits the proposal to University Park Campus.

UNIVERSITY PARTICIPATION: (Use same budget period as that shown for Sponsor under Section I)

A. Salaries and Wages

Name	Rank	No. of Months	% of Time	Amount
				\$

Subtotal of Salaries and Wages \$

B. Materials, supplies, services, etc.

C. Additional Equipment (Itemize)

\$

\$

D. Loss of Overhead Recovery:

- Determine actual overhead cost by adding salaries and wages under "A" to salaries and wages in budget request to prospective sponsor and applying to this sum the prevailing DOD overhead rate.* \$ 12,580.00
- Insert overhead provided by budget to sponsor \$ 9,115.00
- If No. 1 is greater than No. 2 insert the difference in the "Amount" column. This is the loss in overhead recovery to be absorbed by the University \$3,465.00

E. Other:

\$

F. Loss of income recovery, such as fee exemptions

\$

Total University Participation \$5,465.00

MODE OF UNIVERSITY PARTICIPATION:	Salaries & Wages	Supplies, etc.	Additional Equipment	Overhead	Other
Existing instruction budget	\$	\$	\$	\$ xxxxxxxxx	\$
Existing research budget				xxxxxxx	
Special appropriation required				xxxxxxx	
Loss of overhead recovery				3,465	xxxxxxx
Loss of income recovery, such as fee exemption, etc.					

ESTIMATED CONTRIBUTION OF PROJECT TO UNIVERSITY GRADUATE PROGRAM:

- Stipends to Degree Candidates:
 - Graduate Assistantships..... \$,120.00
 - Fellowships.....
 - Research Assistantships.....
 - Supplies and Materials used in this research.....
 - Equipment becoming permanent University property.....
 - Extra overhead recovery representing differential between DOD cost rate and premium rate used on some industrial projects.....
- Total \$ 3,120.00

* Include or exclude clerical in accordance with prevailing overhead requirements.

THE PENNSYLVANIA STATE UNIVERSITY

513 DEIKE BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Coal Research Section

Area Code 814
865-6544

October 9, 1970

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

Per our phone conversation of earlier today, I would like to submit this letter by way of a revised proposal for support of our Palynological Data Retrieval Project. As we have previously discussed, it is apparent that our original proposal cannot be funded at the level proposed because of unavailability of funds. It is important, as explained in my letter of 7 October to you, to keep this project alive so that the palynological "community" can profit from what we have already done and so that the data banks begun can be expanded and increased in number to the point of true usefulness to palynologists at large. We are on the threshold of such usefulness, but demise of the project now would mean that most of what has been done to date would be wasted.

I propose therefore that a skeleton abstracting crew be kept on the job, as explained in my letter to you of 29 September. In that letter I listed their salaries for a period ending 30 June, 1971. If the salaries are instead cast on a one-year basis, the figures are as follows:

Estimated Budget

1 October, 1970 - 30 September, 1971

A. Salaries & wages

Non-faculty

Chief abstractor (Research assistant)	\$7200.00
Abstractor 1	\$5040.00
Abstractor 2	\$5040.00
Graduate assistant	\$3120.00
Total	\$20,400.00
plus overhead at 58.92%	12,020.00

Dr. Louis Cima
October 9, 1970
Page 2

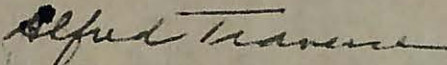
Estimated Budget, continued

B. Expendable supplies: photocopying, phone charges	\$ 750.00
Total	<u>\$33,170.00</u>

As previously explained, this will provide for building and maintenance of data banks only. No funds will be devoted to development of the system of managing the assembled data.

Thank you so much for your continued interest.

Yours very truly,


Alfred Traverse

Approved by:

E.F. Osborn
Vice President for Research

William Spackman, Director
Coal Research Section

October 7, 1970

Dr. Louis Cima
Office of Science Information Service
National Science Foundation
Washington, D. C. 20550

Dear Louis:

The news about probable non-funding of the Palynological Data Project here for 1970-71 was something of a shock, but we are gradually adjusting. We have given termination notices to the entire staff of the project--the current money was completely exhausted as of 1 October.

I believe that it is really rather tragic that the abstracting people in particular should be let go, because it has been a long and arduous task to devise the formats for abstracting and to assure ourselves that they would work. We had really just reached the threshold of rapid building of the data banks. The abstracting crew are doing a fine job, even now, with the probability of termination facing them. The data-banks which they are building will be of great value to all palynologists.

On reflection, it has seemed to me that it would be much more rational to try to save the jobs of the abstracting crew, so that data-bank building could go forward, than to keep the project-leader and let the abstracting personnel go. As we have said in our Reports I, II, and III, the development of the formatting conventions, abstracting forms, etc., is complete except for possible improvements that will be added as experience demands. In the present emergency, then, it seems to me that the project could get along better without a fulltime supervisor at the Ph.D. level than without abstractors.

Perhaps it would be good to emphasize that NSF has supported this project for two years, during which time we have labored over our abstracting conventions and formats, in conjunction with those various people connected with the Joint Committee on Paleontological Information. Several of the conferences between such people and ourselves have been funded by NSF, as you know.

During the latter part of this period we have spent a little time and some money in looking into the techniques of putting our data-banks on a computer. This has been done with funds provided by the Coal Research Section at Penn State and has not been supported by NSF. No NSF monies which might be granted us to keep this project alive this year would be so used.

Dr. Louis Cima
Page 2
October 7, 1970

It would be desirable for us to show support of our efforts by other interested palynologists. I have asked Dr. Charles Upshaw, who has previously expressed interest in what we are doing as a worthwhile enterprise, to write. He is chairman of an oil company committee (six companies) on palynological data. I believe that Dr. Gerhard Kremp will also write. He is head of a similar project at the University of Arizona and has long expressed the idea that his work in this area and ours should eventually be combined. We have been doing our abstracting at a much deeper level than he, but as a result of conferences between us, his present operation is gradually approaching ours in scope and techniques. Unfortunately, his work is not in the public domain, as it were, but we were both looking forward to the day when it would be released and could be combined with ours.

The most useful kind of endorsement we could get, of course, would be from the "community" itself, as represented by the American Association of Stratigraphic Palynologists, to which nearly all palynologists in this country belong. However, I am at present Secretary-Treasurer of that organization and am also President-Elect, to take office next week at Toronto. It seems obviously unethical for me to ask for endorsement from my colleagues under the circumstances. I have declined to be the AASP representative to JCPI for the same reason (I might not necessarily have been chosen anyway!). You may, however, hear from the present president of AASP, George Fournier, on a personal basis.

Hoping that this information might be useful in helping to get enough money for us to prevent the premature death of the project at Penn State, I am

Yours very truly,

Alfred Traverse
Professor of Geology and Biology

AT/mrw

Enclosures

PAN AMERICAN PETROLEUM CORPORATION

RESEARCH CENTER

4502 EAST 41ST STREET P. O. BOX 591

TULSA, OKLAHOMA—74102

September 29, 1970

file

Dr. Louis Cima
Office of Science Information Service
National Science Foundation
Washington, D. C. 20550

Dear Sir:

It has come to my attention that NSF Support Funds have been withdrawn from the Palynological Data Program at Pennsylvania State University.

It is my feeling that whatever limited support is necessary to keep this program alive should be continued.

Many of us in the Palynology community feel that such programs are important to the long range interests of science and of our discipline in particular.

Very truly yours,

Charles F. Upshaw
Charles F. Upshaw

CFU:mjh

bc: Al Traverse

September 29, 1970

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

According to an unofficial report, from which I am still somewhat shell-shocked, there is slim chance that Penn State's Paly-Data project will be funded per our current proposal, "Continuation and Extension of Project for Compilation and Use of a Comprehensive Index of Taxonomic, Stratigraphic, Morphological, and Bibliographic Data for Stratigraphic Palynology."

Should this turn out to be true, there is no question that the three years of work done so far on this project will have been largely wasted. Some publication of conclusions about feasibility of the project is still to be expected in any case, and there will be a small amount of "fallout" of bibliographic materials which can be used by those of us at Penn State, especially in relation to the Catalog of Fossil Spores and Pollen. However, the major use of the project was to be the manipulation of our data-banks by palynologists. These data-banks are just at the stage of rapid expansion to cover the literature, the "bugs" mostly having been eliminated. In other words, we are near the threshold of usefulness. All of our successful efforts to fashion an abstracting procedure compatible with other micropaleontologists will be "down the drain"--and just when it looked as if our collaboration with the project of a similar sort at the University of Arizona was likely to result in the beginning of a national or international system of palynological data-storage and retrieval.

I urge that consideration be given to providing at least enough funding for this project to be kept alive on a minimum level until various possibilities of more permanent financing for the work can be investigated.

On reflection about this, and discussion with my co-workers, it seems that the best policy would be to retain the abstracting personnel, so that data-bank building could go on as well as mere maintenance of the project. I can handle the supervision of such personnel on a non-reimbursed basis.

Dr. Louis Cima
Page 2
September 29, 1970

We can avoid expenses for expendables on an emergency basis. Development of the system for treating the literature and putting it into a computer system is nearly complete anyway, and further development of it can be deferred until more funding is available. The bare minimum that would permit a maintenance level of operation would be salaries with required overhead for the abstracting personnel as follows:

Chief Abstractor	\$ 5,820.00
Abstractor 1	4,100.00
Abstractor 2	4,100.00
Graduate Assistant	<u>2,380.00</u>
Total	\$16,400.00
+ overhead at 58.92%	<u>9,663.00</u>
Total	\$26,063.00

Hoping that this bare-bones possibility to keep this worthwhile and important project alive during this crisis period will be given consideration, I am with best wishes

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT:kc

Esbeck

Fidelity Over Skin

September 2, 1970

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

When I got back from my recent combination business and vacation trip I found on my desk a copy of a letter from Dr. Osborn, our Vice-President of Research, to you regarding our recent proposal to continue the palynological data retrieval work. In the third paragraph of the letter I note that it is stated that I am receiving support along with Drs. Given and Spackman for their NSF grant GB8275. I long ago asked Dr. Spackman to remove my name from this project's personnel, and I believe that I am not receiving any support from it. Just thought I'd better keep the record straight!

Hoping to hear from you and Mr. Ward soon regarding our project, I am, with best wishes,

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT:kc

cc: Dr. Spackman

THE PENNSYLVANIA STATE UNIVERSITY

207 OLD MAIN BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

Vice President for Research

August 7, 1970

Area Code 814
865-6332

National Science Foundation
Washington, D. C. 20550

Attention: Dr. Louis Gims
Office of Science Information Service

Subject : NSF Grant GN782

Gentlemen:

Enclosed for your consideration are thirty (30) copies of a research proposal entitled "Compilation and Use of a Comprehensive Index of Taxonomic, Stratigraphic, Morphological, and Bibliographic Data for Stratigraphic Palynology" which has been prepared by Dr. Alfred Traverse in an effort to obtain continued support for his research which is currently being supported under NSF Grant GN782.

Grant No. GN782 has been formally extended for a period of five months through December 31, 1970. Since the funds available under Grant No. GN782 are sufficient to support the research only through August 31, 1970, the beginning date for continuation support of the research as set forth in the enclosed proposal is September 1, 1970.

This proposal is not being sent to any other potential sponsor. Dr. Traverse is currently receiving support with Drs. P. H. Given and W. Spackman under NSF Grant GB8275 for research entitled "Botanic, Chemical, and Microbiological Aspects of Accumulation of Organic Sediments." This grant is for \$77,500 and covers the period November 15, 1968 through November 14, 1970. In addition he has a proposal pending with NSF entitled "Paleoecology of Triassic Palynofloras of Northwestern Texas."

Very truly yours,

E. F. Osborn
Vice President for Research

EFO:JLD:cb
Enclosures

cc: M. E. Bell
A. Traverse ✓

July 31, 1970

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D. C. 20550

Dear Louis:

You will presumably not get this for several weeks because I hear that you are having a well deserved rest. We too are going to take a bit of a trip, wrapped around my attendance at two meetings, in August. Before I left, I wanted to get several observations down on paper for your information.

We have completed preparation of a proposal for what amounts to continuation of our Paly-Data project. Bob Sanders did much of the work of preparing the proposal, and it was my intention that he would be listed as co-author of it, as you will note from the draft copy that I sent to your office in care of Mr. Worthington the other day. However, there are certain procedural considerations that led the Penn State authorities to request that Sanders' name not appear as co-principal investigator. The final copies that you receive will reflect this change.

Also I wanted to tell you that a representative of the AGI (Peter Blau) and Harry Cousminer from the American Museum were here last week for discussions about 'where we go from here'. Cousminer, as you may know, has decided to adopt the format conventions Sanders developed here. Cousminer will use them for his ostracod-foraminiferal work. Blau noted that what we are doing is completely compatible with AGI standards, or so he told us. This is no coincidence because I recognized from the first that this was a must, and Sanders designed our formats with this requirement always before him.

Peter Blau and Cousminer are both of the opinion that it is even more urgent at the moment to keep up with the current literature than it is to work up the archives, as it were, which is our current emphasis. I believe that they over-stated the case, but there is

Dr. Louis Cima
Page 2
July 31, 1970

some truth to what they say. There was some discussion of the possibility of submitting proposals to get funding for this additional emphasis, but I am not convinced that it couldn't be built into our regular project, with an additional abstractor or so, and some additional funds. I think that we would be in a better position to judge this situation some months hence, but I wanted you to be informed that these discussions are going on, that we have achieved what amounts to near-unification of effort between the American Museum and ourselves, and that what we are doing is compatible with the AGI program too.

Hoping to see you before too many months, I am

Yours very truly,

Alfred Traverse
Professor of Geology and Biology

AT/mrw
cc: Robert Sanders

May 22, 1970

Dr. Louis Cima
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

My visit with you, Mr. Ward, and Dr. Weiss was very beneficial to me in terms of clarifying what we at Penn State need to do about our Palynological Data Project in the coming months. I believe you will be hearing more from us about this in the relatively near future. In the meantime, thanks again for your hospitality. Please give my regards to Mr. Ward and Dr. Weiss. Best wishes, as ever.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:smv

Paly. Data II

Orig	30,000.00
	16,434.57
June 30 -	<u>13,565.43</u>

Paly Data

	106,800.00 orig
	<u>46,416.87</u>
	60,383.13
	<u>44,321.05</u>
	16,062.08
	<u>7,501.40</u>
	8,560.68
	<u>1,239.51</u>
June 30	7,321.17
	- 6000.00

\$ 6,000 - original

10,000 - Paly Data II

coffee

*Reply to
Cima*

May 18, 1970

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

In connection with grant GN-782, on which we were notified several months ago of a renewal to 31 July, 1970, we have had some difficulties with the Penn State "ceilings" on NSF expenditures and then some problems with acquiring satisfactory personnel when the ceilings were lifted. It is obvious that our funds will not be all expended, or the current phase of the project completed, by 31 July. We would appreciate permission to expend the funds remaining after that date in order to complete the work undertaken. *please extend to*

31 Dec. 1970,

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kc

PALY DATA I--\$106,800.00 original

\$ 6,000.00 funds remaining June 30, 1970.

PALY DATA II--\$30,000.00 original

\$10,000.00 funds remaining June 30, 1970.

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

Office of Science Information Service

April 22, 1970

REPLY TO THIS OFFICE

On February 2, 1970, the Office of Science Information Service was notified that

Professor Alfred Traverse
Deike Building
The Pennsylvania State University
University Park, Pennsylvania 16802

Dear Prof. Traverse:

Thank you for your letter of March 27.

Your grant GN-782.1, "Palynology Data" will expire July 31, 1970. If, however, your project has not been completed and there are funds unexpended, the Foundation would be receptive to considering a request for an extension of the grant period without additional funds in order to achieve the grant's original objectives. Furthermore, I would suggest that such request be accompanied by a grant fiscal report showing the amount of funds expended under each line item of the grant budget, the amount of unexpended funds, and by a brief statement justifying your request for no-cost time extension.

Please let me know if we can be of further help.

Sincerely yours,

Louis Cima

Louis Cima
Assistant Program Director
Information Services Program

NOTIFICATION OF NEW ADDRESS

On February 2, 1970, the Office of Science
Information Service will be located at
2430 Pennsylvania Avenue, N. W. (second floor).

The mailing address will remain

National Science Foundation
1800 G Street, N. W.
Washington, D. C. 20550

There will be no change in telephone numbers.

March 27, 1970

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

The people in our accounting department have been buzzing around my ears about our grant GN-782, "Paly Data", and it seems desirable to me if you could provide me with a letter stating that although the termination date for our present extended budget is July 31, 1970, your office has no objection to our continuing to spend monies provided by the grant after 31 July, 1970, provided that there are such monies. Actually, in terms of the difficulty we have had in finding additional abstracting personnel, it is almost certain that there will be considerable money left in the budget. It has seemed obvious to all of us in our group that there would be no problem, but the accountants are expressing considerable dismay about the fact that we may not have expended all of the funds by 31 July, 1970. I do hope you can provide a very brief letter which has the effect of pointing out that this is a continuing project. It seems absurd that I should have to bother you with this, but a letter such as the one that I have outlined would be the easiest way to mollify the people in the accounting office.

Best wishes to you as always, and hoping to see you one of these days, I am

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kc

CATALOG OF FOSSIL SPORES AND POLLEN



DEIKE BUILDING
THE PENNSYLVANIA STATE UNIVERSITY
UNIVERSITY PARK, PENNSYLVANIA 16802
U. S. A.

THE
INTERNATIONAL COMPENDIUM
OF
PALYNOLOGICAL SYSTEMATICS

March 6, 1970

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

Bob Sanders and I recently (23-24 Feb.) attended a meeting of the "Kremp Computer Project Group" in Tucson, Arizona. We were invited as "observers" and to present a discussion of our project and its progress. There were also private sessions between the representatives of the oil companies and Kremp and his abstractors, to which Sanders and I were not invited. We discovered that the purpose of those sessions and, indeed, of the whole meeting originally, was for the oil company people to discuss their dissatisfactions with the abstracting that Kremp is doing. It was "leaked" to us that the complaints centered around things we outlined in our "Report III", of which I believe a copy was sent you in October, 1969, and also that the oil company people reported difficulties in "computerizing" what Kremp has been supplying, which we feel proves that it is essential that production of data bases be integrated with development of an "information-system", as we have been doing. It seemed to us also that the oil companies' computer systems must be archaic, probably punched-card, if they could not handle Kremp's data base.

Jim Mello, of USGS, also presented an "observer" report on "objective descriptors", i.e., using morphological parameters in place of names alone. All the oil company people applauded, yet balked at introducing morphology into their present system, apparently because they are eager to get the bibliographic data-bank Kremp has been producing as nearly complete as possible, despite its admitted superficiality--"a bird in the hand...." Several oil company representatives told us that they regarded our project as potentially much superior to what Kremp is doing, stating that his data-base is so superficial that the information to be derived from it is hardly worth the trouble. It was pointed out that if name-only is the link to the data, 70% of the literature is "garbage". *(In other words, they agree with us that morphology is a must - a position I have favored from the beginning.)*

The attitude of most of the group toward the Oklahoma ("Gipsy") project, whose representatives were invited but did not attend the meeting, was cold & suspicious.

Other persons who attended, in addition to the seven or eight oil company representatives were:

Jim Mello, USGS and Smithsonian Inst. (J.C.P.I. rep.)
John Hall, University of Minnesota (rep. of Paleobotanical Section and of J.C.P.I.)
Bill Riedel, Scripps Inst. (J.C.P.I. rep.--gave a report on his J.C.P.I. task force)
George Hart, L.S.U. (represented his own data-storage projects and reported briefly on their aims and progress)

Hope this is of interest--it is only the briefest summary of what we experienced in Tucson. Kremp is apparently leaving on his world tour next week.

Best wishes as always.

Yours very truly,



Alfred Traverse
Associate Professor of Geology & Biology

AT:kc

March 6, 1970

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

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John Hall, University of Minnesota (rep. of Paleobotanical Section and of J.C.P.I.)
Bill Riedel, Scripps Inst. (J.C.P.I. rep.--gave a report on his J.C.P.I. task force)
George Hart, L.S.U. (represented his own data-storage projects and reported briefly on their aims and progress)

Hope this is of interest--it is only the briefest summary of what we experienced in Tucson. Kremp is apparently leaving on his world tour next week.

Best wishes as always.

Yours very truly,

Alfred Traverse
Associate Professor of Geology & Biology

AT:kc

February 9, 1970

Dr. Louis Cima
Information Services Program
National Science Foundation
Washington, D.C. 20550

Dear Louis:

Thank you very much for the most welcome letter of 29 January, 1970, in which the renewal of GN-782 is announced. Sander's and I both are very glad to have this information.

Latest development in this area is that I have had communication from Gerhard Kremp at Arizona, in which he says that he is putting on a demonstration of the Kremp palynological data system, and wants to combine a conference on the subject with his demonstration of the system later this month. He thinks that it's important that I be present for that affair, and I guess I had better go. I'll let you know what takes place.

Best wishes from us all.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kc

cc: R.B. Sanders

October 30, 1969

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

I enclose a copy of a letter from my friend George Hart at LSU University which is further evidence of the rather high-pressure tactics that have been used to elicit letters of commendation for the Oklahoma proposal. Dr. Hart's letter will probably not be included in the final packet of commendations, but if it is I want to be sure that the second page, as well as the front page, is available to you. I have Dr. Hart's permission to send you this letter so that you can read between its lines, and my motive is to illustrate why we at Penn State have found it difficult to "cooperate" with the Oklahoma people--our reasons for holding back are exactly those outlined by Dr. Hart in the first paragraph on page 2 of his letter.

Wondering how all this will come out, I am with best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:vsi

Enclosure: letter from Dr. George F. Hart
cc Dr. George F. Hart

October 17, 1969

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

Thanks for yours of 13 October--it is somewhat embarrassing that I forgot about the earlier letter! Our financial officer buttonholed me and asked me for such a letter, and I did not under pressure recall the earlier correspondence. I'm sorry to have troubled you about it.

Glad you were interested in the correspondence I sent you--there have been more items of similar nature since, and I will keep you informed. We are running a palynological convention here--the second annual convention of the American Association of Stratigraphic Palynologists, and it has taken so much time and is such a pain in the neck that I'm likely to be soured on conventions for a couple of months. This is another way of saying that I did not plan to attend the GSA convention in Atlantic City. However, if you think it would be desirable for me to be there, I would appreciate your avuncular advice on the matter. It is true that Sanders is giving a paper about our results so far, and other developments in palynological information ~~are~~ probably going to come up at the meeting. What do you think?

Very best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology & Biology

AT:kc

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

Office of Science Information Service

October 13, 1969

Dr. Alfred Traverse
Associate Professor of Geology and Biology
Deike Building
The Pennsylvania State University
University Park, Pennsylvania 16802

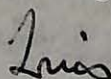
GN-782

Dear Dr. Traverse:

With reference to your letter of October 6, NSF Grant GN-782, "Recording of Taxonomic, Stratigraphic, Morphological, and Bibliographic Data for Palynology" was extended to July 31, 1970 without additional funds. See attached xerox copy of our letter dated July 16 and addressed to Dr. E.F. Osborn, Vice President for Research, Pennsylvania State University. In regard to your proposals N-3315 and N-3318 we anticipate completing their processing within a few weeks on the basis of our recent telephone discussion on both projects.

Thank you for sending me copies of correspondence related to other Micropaleontology projects. I would like to hear more about them, perhaps personally at the GSA Annual Convention.

Best regards,



Louis Cima ✓
Assistant Program Director
Information Services Program

Attachment

October 7, 1969

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

I have recently had a phone call from John Hall at the University of Minnesota in which he described to me pressures that were being brought to bear on him to write a supporting letter for the University of Oklahoma system for micropaleontological information storage and retrieval. John is a good friend and told me over the phone that he felt caught in a "pincer"--that Dr. Wilson would not support his proposal unless he (Hall) supported Wilson's. I enclose with this letter a copy of Hall's letter as well as the copy of the statement which he sent to Dr. Wilson for his use. Sanders and I have also heard from other people that similar pressures have been brought to bear on them to support Dr. Wilson's proposal, and I think it is important that you all should be aware of what is going on.

Sanders and I would also like to make certain that you and the others at the National Science Foundation who are concerned with this matter understand that we are not opposed to "GIPSY" as such, What we are opposed to are the strings attached to GIPSY--Dr. Wilson has made it very clear to us that if he "wins", the only place there would be for us in such a scheme of things would be to provide input, over the design of which we would have no control, even though we are convinced that our design for input is superior in several respects to the design Dr. Wilson is using.

Neither Sanders nor I (Sanders after all is a student of Wilson's) like the "in-fighting" aspect of this whole situation, but there is no use in pretending that it doesn't exist.

Best wishes as always.

Yours very truly,

Alfred Traverse
Associate Professor of Geology & Biology

AT:kc

CATALOG OF FOSSIL SPORES AND POLLEN

DEIKE BUILDING
THE PENNSYLVANIA STATE UNIVERSITY
UNIVERSITY PARK, PENNSYLVANIA 16802
U. S. A.



THE
INTERNATIONAL COMPENDIUM
OF
PALYNOLOGICAL SYSTEMATICS

October 6, 1969

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

The people in our office which controls such matters have informed me that I need to secure from you a letter authorizing us to spend the monies granted to us for grant no. GN 782, since the original date of completion was supposed to be September, 1969. What I am supposed to get as I understand it is a one year's extension for the expenditure of the 68-69 money. As you know, we are also hoping to secure additional money so that the project can continue on a sound basis for 69-70.

Best wishes from all of us.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kc

L. Lima

5-18-69

Say that my proposal for cont'n of
project will be funded
& that Janine's test proposal
prob. won't be — the STRET
typewriter should not be paid out of
current project.

September 5, 1969

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

Regarding the commemorative medals for the XI
International Botanical Congress--you should write to

Dr. George W. Fisher, Executive Director
XI International Botanical Congress
Student Union Building
University of Washington
Seattle, Washington 98105

If you ask Dr. Fisher for information regarding
the commemorative medal, I'm sure he will provide it.
At the Congress proper there was a little table set
up for sale of the medals, but at this point I think
the best thing to do would be to write the Director.

Best wishes to you as always.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Biology

AT:kwc

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

Office of Science Information Service

July 28, 1969

Dr. Alfred Traverse
Associate Professor of Geology & Biology
Deike Building
The Pennsylvania State University
University Park, Pennsylvania 16802 GN-782

*file
Cima*

Dear Dr. Traverse:

With reference to your letter of July 22, the Foundation has received the other day Sanders' proposal for the Devonian palynology project. Both proposals (N-3315 and N-3318) are presently under support consideration by this Program. In regard to your earlier request for permission to transfer \$2,000 from other GN-782 budget line items to the travel line item, the Foundation authorizes the request of transfer with the understanding that such transfer will not increase the total cost of the GN-782 project and that the travel funds will be used for purposes directly related to the subject grant project.

Best wishes to you and to Robert Sanders.

Sincerely yours,

Louis

Louis Cima
Acting Program Director
Information Services Program

July 22, 1969

Dr. Louis Cima
Information Services Program
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

Thanks for the letter of 16 July, re the status of GN-782 and N-3315. Sanders' proposal for the Devonian test was submitted here at the same time as mine for extension of the main study and, therefore, should arrive momentarily. If it doesn't, perhaps you could let us know so that we could light some fires in the appropriate office.

You never did comment on my earlier request to transfer some dollars from other expenses to travel. I took your silence to be negative, but perhaps I should reopen the question. Most recently Sanders has had a request from Cousminer to join him in New York for a few days consultation on format design, a most desirable idea, it seems to me. However, as there is no money in the grant left for travel, I would have to ask Sanders to travel at his own expense, or send him on some of the coal research money, both of which alternatives are undesirable.

Best wishes, as ever!

Yours very truly,

AT
Alfred Traverse
Associate Professor of Geology & Biology

AT:kwc

cc: Sanders

DATE	INITIAL & SURNAME	ORG. SYN.
7/16	Hunt	Dust

Office of Science Information Service

July 16, 1969

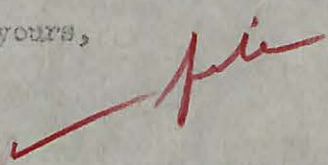
Dr. E. F. Osborn
 Vice President for Research
 Pennsylvania State University
 207 Old Main Building
 University Park, Pennsylvania 16802 GN-782

Dear Dr. Osborn:

This refers to Dr. Alfred Traverse's letter of June 27 requesting a one year time extension to NSF Grant GN-782, "Recording of Taxonomic, Stratigraphic, Morphological, and Bibliographic Data for Palynology."

The Foundation is glad to extend the time period of the subject grant to July 31, 1970 without additional funds.

Sincerely yours,


 Louis Cima
 Acting Program Director
 Information Services Program

cc: Dr. Traverse

bcc: AFU with xerox of request for extension & 6-8 form
 Cir
 Chron
 OSIS:InSP:LCima:mh
 7/16/69

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

Office of Science Information Service

July 16, 1969

file Cima

Dr. Alfred Traverse
Associate Professor of Geology & Biology
Deike Building
The Pennsylvania State University
University Park, Pennsylvania 16802

GN-782 &
N-3315

Dear Dr. Traverse:

You will note from the attached copy of our letter that NSF Grant GN-782 has been extended to July 31, 1970 without additional funds.

Your proposal N-3315 requesting additional funds for your palynology information project has been received and is presently under support consideration. We have not yet received, however, the other proposal requesting support for the Devonian palynology project.

Sincerely yours,

Luis

Louis Cima
Acting Program Director
Information Services Program

Enclosure

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D.C.

Office of Science Information Service

July 16, 1969

Dr. E. F. Osborn
Vice President for Research
Pennsylvania State University
207 Old Main Building
University Park, Pennsylvania 16802 GN-782

Dear Dr. Osborn:

This refers to Dr. Alfred Traverse's letter of June 27 requesting a one year time extension to NSF Grant GN-782, "Recording of Taxonomic, Stratigraphic, Morphological, and Bibliographic Data for Palynology."

The Foundation is glad to extend the time period of the subject grant to July 31, 1970 without additional funds.

Sincerely yours,

Louis Cima
Acting Program Director
Information Services Program

cc: Dr. Traverse

NATIONAL SCIENCE FOUNDATION
Washington, D.C. 20550

Proposal: N-3315

Date: July 11, 1969

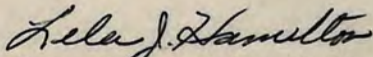
Continuation of GN-782 "Compilation of a Comprehensive
Index...."

Assigned to:

MR. GORDON B. WARD, Program Director
Information Services Program

We are pleased to acknowledge receipt of your application for a grant. Will you please advise your institution's business office of the receipt of the application by the Foundation.

When evaluation of the proposal has been completed you will be informed of the decision reached. If you write to us about your proposal, please mention the proposal number shown above.



Office of Science Information Service

bcc: R. Sanders
Dr. M.E. Bell
Dean's Office

June 27, 1969

Dr. Louis Cina
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

Enclosed are informal copies of the proposals which Bob Sanders and I have submitted through the usual channels and which will reach you in that way in due course.

I am also enclosing the budgetary summary you requested for our whole palynological information operation at Penn State. I believe that it is self-explanatory.

I will be out of the office the week of 30 June, but expect to be back on deck 7 July, should there be questions.

You will note that the summary budgetary statement assumes renewal of the current one-year grant. That is, we are expecting to carry over the unexpended funds to keep the basic project going through 1969-70. Will you let me know if we need to do anything more formal than to request such expansion per this letter?

Best wishes. I would like it if I could visit with you more often.

Yours very truly,

Alfred Traverse
Associate Professor of
Geology and Botany

AT/pp

Enclosures: 1) copies of proposals
2) budgetary summary for palynological information work
at Penn State

BUDGETS OF
PALYNOLOGICAL INFORMATION PROJECTS AT PENN STATE
1969-70

CATALOG OF FOSSIL SPORES AND POLLEN	INFORMATION-PROCESSING IN PALYNOLOGY -- CONTINUATION OF EXISTING PROJECT	PROPOSED PROJECT: TEST OF PROCESSING-SYSTEM, ETC.
<p>(Projected receipts \$28,000.00)</p> <p><u>Salaries, etc.</u></p> <p>Editor (A. Traverse) 00.00</p> <p>Associate Editor (H.T. Ames, 2/3 Time) 5,000.00</p> <p>Preparator (D. Hubicsak, full time) 4,000.00</p> <p>Secretary (K.W. Copenhaver, full time) 4,000.00</p> <p>Photographer (D. Krebs, 1/2 time) <u>3,600.00</u></p> <p><u>Expendable Supplies</u></p> <p>Stationery, photo materials 6,100.00</p> <p><u>Other expenses</u></p> <p>Printing 5,000.00</p> <p>Indirect costs <u>none</u></p> <p>Total \$27,700.00</p>	<p><u>Salaries, etc.</u></p> <p>Principal investigator \$4,000.00 (A. Traverse, 1/4 time)</p> <p>Co-investigator 13,000.00 (R.B. Sanders, full time)*</p> <p>Two secretaries 10,000.00</p> <p>Two graduate student assistantships 9,440.00</p> <p>Editor (H.T. Ames, 1/3 time) 2,500.00</p> <p>Miscellaneous wages 3,000.00 (student help)</p> <p><u>Total</u> \$41,940.00 (of which \$22,000 available) needed: \$20,000.00</p> <p><u>Expendable Supplies</u> 22,000.00 (of which \$21,784 available) needed: 00.00</p> <p><u>Other expenses</u></p> <p>Travel 2,000.00 needed: 2,000.00</p> <p><u>Indirect costs</u> <u>Univ.</u> <u>NSF</u> (58.6% of \$20,000 needed) \$3,172.00 \$8,548.00</p>	<p><u>Salaries, etc.</u></p> <p>Principal investigator \$3,250.00 (R.B. Sanders, 1/4 time)</p> <p>Co-investigator 1,600.00 (A. Traverse, 1/10 time)</p> <p>Abstractor (1/4 time) 1,500.00</p> <p>Secretary (7/12 time) 2,520.00</p> <p>Miscellaneous wages <u>350.00</u></p> <p style="text-align: right;">Total: \$9,220.00</p> <p><u>Expendable Supplies and equipment</u> \$ 600.00</p> <p><u>Other costs</u></p> <p>Travel 600.00</p> <p>Computer-time, etc. 12,380.00</p> <p><u>Indirect costs</u> (58.6% of \$9,220.00)</p> <p style="text-align: right;"><u>Univ.</u> <u>NSF</u> \$1,410.00 \$3,992.77</p>
<p>Needed from NSF <u>None</u> - Project self- sufficient -- costs covered by subscriptions</p>	<p>Total needed from NSF \$30,584.00 (in addition to carrying over of present unexpended funds)</p> <p>* Dr. Sanders' salary would, however, be covered in part by the "test project", next column, if funded.</p>	<p>Total needed from NSF \$26,793.00</p>

April 30, 1969

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

As you know, we were limited to \$1000.00 for travel purposes on our grant no. GN-782. There has turned out to be more travel required for this work than the amount mentioned can cover. For example, Sanders and I were invited to attend the recent GIPSY conference at the University of Oklahoma, and it would have been unwise for us to have missed it, but our expenses put us over the top of the amount originally budgeted. Next week we have been invited to attend a demonstration of the Data Central system, and it seems obviously desirable for us to do so, within the terms of "investigating the various available systems". However, both that trip and Sanders' trip a week or so ago to Washington to confer with Jim Mello about our progress will have to come out of other pockets, as things now stand. I wonder if we could not have permission to transfer another \$2000.00 into travel, with the understanding that this will not be used for convention travel but only for our work directly related to the project?

Looking forward to seeing you, the evening of the 14th, I am

Yours very truly,

Alfred Traverse
Associate Professor of Geology & Biology

AT:kwc

April 14, 1969

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

The conference on information processing previously set up for 29-30 April has been moved to 15-16 May, as we have discussed by phone. We are expecting that you will arrive sometime on Thursday, 15 May. We will all have dinner together somewhere that evening. The conference-proper will be held Friday morning in the palynological laboratories of Penn State. We can continue over into the afternoon and evening, if desired. You hold a reservation at the Nittany Lion Inn for Thursday and Friday nights, 15-16 May. Spackman, Sanders and I look forward to seeing you.

Yours very truly,

Alfred Traverse
Associate Professor of Geology
and Botany

AT:kwc

cc: R.B. Sanders
W. Spackman

March 7, 1969

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

Perour discussion over the phone, Sanders and I believe it would be desirable to print up our manual and appendix thereto as an informal publication of the "project", for distribution to the various people in thepprofession who are interested. According to the best guesses around here, this will cost in the neighborhood of \$150.00. This seems to me to be a normal part of the work of this project, but since it was not provided for in the original proposal, it seemed desirable to inform you of our intention and ask you formally whether there is any objection.

We are looking forward to seeing you the week of 28 April. I presume that you will let us know eventually which day you will arrive. Harry Cousminer has already agreed to come, and Bill Riedel may. I will want to tell Harry what days are involved.

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Cima

26-15-69

Getting out reports ~~#~~ if changed to grant -
send note to Cima to check it out.

15 July: outline needs for 1969-70.

how ^{much} ~~many~~ achieved during
the period? —

specify a program
word

by this
method →

the present grant can almost continue
be extended to fiscal 1969-70 by
applying for additional funds to pad
out what remains from an \$106,000

Present grant preclude, ^{spends money on} study of systems
— no RBS & so can look at existing
systems

Suggests that we would apply for more
travel money to replace cash used for
Noma trip, if necessary

October 11, 1968

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

I suppose you have heard about the order that PSU got to cut expenditures on all NSF budgets by something like 20%. After the university makes adjustments, it works out to more like 40%. As I see it, this has the effect of cutting the scale of what we will expect to accomplish in our "paly-data" project somewhat, but Dr. Sanders and his helpers and I are rolling along pretty well, and I suspect you will not be too disappointed by what we accomplish, particularly if you allow for the scaled down expenditures. I did think it advisable to call your attention to what is going on, on the long chance that you didn't know about it.

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

Cima

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

Office of Science Information Service

August 27, 1968

Dr. Alfred Traverse
Associate Professor of Geology
Editor, Catalog of Fossil Spores
and Pollen
The Pennsylvania State University
University Park, Pennsylvania 16802
GN-782

Dear Dr. Traverse:

This refers to your letter of August 21. Line item "Research Associates" in the budget of the referenced grant provides funds for two full-time one-year positions. However, if you were able to fill only one of these positions and have decided to hire part-time assistants in lieu of a full-time assistant, the Foundation would not object provided that the total amount of \$24,000 allowed in the aforementioned line item is not exceeded.

Gordon and I will follow with interest the progress of your micropaleo data project.

Sincerely yours,

Louis

Louis Cima
Acting Program Director
Information Services Program

August 21, 1968

Dr. Louis Cima
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

Regarding my recently funded grant, which I believe has been given the number GN-782, a minor problem has arisen with which I think you can help us. In the budget as approved there is provision for two full time research associates. I have had the good fortune to be able to hire one recent Ph.D. in palynology (R.B. Sanders) despite the late date. However, I think it is unlikely that I shall be able to find the right man for the other slot without some more time for investigating various possibilities. Therefore, in view of the brief term of this initial budget, I wonder if it would not be possible to transfer one-half of the salary money from research associates (that is, \$12,000) to "honoraria" or whatever the appropriate term is for monies which I could use to bring several different people in, each for a short period. As far as I can tell this doesn't effect the rest of the budget or the general shape of the project in any way but it would be most helpful to me in getting this project underway in the short run. Dr. Sanders plans to join us early in September, and I feel sure that we will be producing results in the fairly near future.

I also want to express to you personally my gratitude for your frequent counsel, help and advice during the period when this proposal was under consideration.

Yours very truly,

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

AT:kwc

May 16, 1968

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

This is further to our telephone conversation of this morning, regarding the various budgetary items for our proposal "Compilation of a Comprehensive Index....etc."

1. Item A. 2a. The dean of this college says that my original guesstimate of \$10,000 p.a. is unrealistic for the two Ph.D.s I would hire for these positions. He suggests that this item should be increased to \$24,000 from \$20,000 for each year.

2. Item C2. This breaks down to \$8,000 p.a. for stationery, office supplies of all kinds, telephone calls, photographic supplies, publications to be purchased, etc., and \$20,000 for translations the first year, \$10,000 for translations the second year.

3. Item F. The indirect costs will be at the 60.6% rate, and the second sentence of the paragraph under F. should be ignored.

Hoping this answers your questions and looking forward to seeing you at the New York meeting, I am

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

cc: C.L. Hosler
W. Spackman

February 28, 1968

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Louis:

Enclosed is the projected two year budget for the *Catalog*--independent of the proposal you have already received. You will note that there is no overlap between the *Catalog's* budget and other budgets except for the associate editor, 25% of whose salary comes from other sources (the proposed project, if funded) and the photographer, 50% of whose salary is paid by various coal-research projects. It does not seem necessary to repeat the figures given in the proposal-budget you have received for the personnel mentioned there.

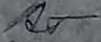
Regarding the travel item in the proposed budget: I asked for \$4,500 the first year which I calculated at 1) 60 man-days at libraries in Philadelphia, New York, Boston and Washington at roughly \$50 per day including transportation, 2) one meeting for each of the 4 professional palynologists involved, at \$150 each and 3) trips of mine to New York, Denver and La Jolla for study of systems in development there, at an aggregate cost of \$900.

The second year, I figured about 30 man-days at libraries @ \$50, plus one meeting each for the 4 professionals at \$150.

Regarding the price we will eventually charge for our "Spincards" and "Spancards"--we are planning production of mechanically produced taxonomic index cards shortly. These will sell at \$10 for sets of 150 cards. After we have sold a few sets we should be able better to comment on whether the traffic will bear \$10 or \$20 and whether there is much business at either figure. Right now, off the top of my head, I am figuring 10¢ a card.

Hope this answers your questions.

Yours very truly,


Alfred Traverse, Editor
Catalog of Fossil Spores and Pollen

Enclosure: projected (self-supporting) budget for *CFSP*

Two Year Budget of *Catalog of Fossil Spores and Pollen*

1 July, 1968 - 1 July, 1970

Receipts

Sale of eight volumes of <i>Catalog</i> , subscriptions	\$50,400.00
Sale of other publication	<u>9,000.00</u>
	\$59,400.00

Expenditures

Printing	10,000.00
Covers (binders)	5,000.00
Miscellaneous expenses (stationery, photographic material, etc.)	7,200.00
Salaries:	
Associate Editor (^{2/3} 3/4 time)*	14,000.00 10,000.00
Preparator (full time)	8,000.00
Secretary (full time)	7,200.00
Photographer (1/2 time)*	<u>7,200.00</u>
	\$58,600.00

*associate editor will work 25% on other projects

**Catalog* photographer works 50% for other coal-research projects

January 12, 1968

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

Enclosed is a photocopy of the proposal as it will be submitted here as soon as printed. In another week you should also receive the formalized proposal after it has gone through the mill around here.

Yours truly,

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

AT/pk
Enclosure

Enwick
Fidelity Onion Skin
100% Cotton

January 5, 1968

Dr. Louis Cima
Assistant Program Director
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

We have run into a series of snafus, largely a result of holiday vacations, which have delayed the preparation of the proposal I promised for last week. However, the typists are reworking the thing at this time, and it should be only a few more days at most. Thank you for your patience (I hope).

Yours very truly,

Alfred Traverse
Editor
Catalog of Fossil Spores and Pollen

AT:kwc

December 5, 1967

Dr. Louis Cima
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

We received today a copy of Harry Cousminer's summary of the meeting held the evening of 21 November, 1967, in New Orleans. We were interested to receive the copies of the declaration of intent, and we enclose herewith a copy of our similar declaration. It will be noted that we introduced only one change from the format of the other declarations--that we promise to proceed with this plan only if financing is forthcoming. Our present staff and facilities cannot be diverted from present tasks to an extent that would make an appreciable dent in the information-retrieval task that lies before us.

We would also like to have it a matter of record that we disapproved of the fact that Dr. Cousminer's report treats the meeting held on the evening of 21 November, apparently in Dr. Cousminer's hotel room, as the "official" meeting in New Orleans. Dr. Cousminer announced in a letter to us dated 10 October, that the meeting was set up as follows: "The meeting will immediately follow the Wednesday morning (Nov. 22) Geoscience Information Society symposium to be held in the Gold Room Roosevelt Hotel." Because of commitments previously made, we were not able to attend the impromptu evening session. We stayed in New Orleans ~~for~~ Wednesday in order to be present at the session called in Dr. Cousminer's letter. It is somewhat distressing to us to find that we are not listed as official participants in the micropaleontology information systems meeting and that consequently we are not among those who "agreed to be designated a formal committee". We regard it as improper that ostensibly "formal" arrangements were made at a meeting at which we could not be present, held at other than the announced time.

It is painful to bring this matter up, but we feel that doing so has value in dramatizing the importance of conducting all the affairs of this

Dr. Louis Cima

- 2 -

December 5, 1967

very important undertaking in a businesslike way if the 100% cooperation that is necessary for its success is to be achieved and preserved.

Yours very truly,

Alfred Traverse
Editor
Catalog of Fossil Spores and Pollen

William Spackman
Editor
Catalog of Fossil Spores and Pollen

AT:WS:kwc

August 25, 1967

Dr. Louis Cima
Office of Science Information Service
National Science Foundation
Washington, D.C. 20550

Dear Dr. Cima:

Just got back from a trip that began soon after you left by barn-stormer from these parts. Am in the midst of reading all the various literature that Harry Cousminer left for my edification. I hope that I'll hear more from him about the interesting ideas he discussed with me while you were here, and afterwards.


The main purpose of this letter is to formalize the suggested withdrawal of our proposal for support of translations by the Catalog of Fossil Spores and Pollen. This proposal was submitted January 18, 1966.

I fully agree with you that translation as a separate endeavor would not be the best use of our talents and resources.

The ideas that you and Harry expressed about data-retrieval developments vis a vis the Catalog seem to me to indicate an avenue of expansion of the Catalog's operations that should be given a very thorough trial if funds for the work can somehow be obtained.

Looking forward to seeing you again one of these days, I am

Yours very truly,


Alfred Traverse, Editor
Catalog of Fossil Spores and Pollen

cc: W. Spackman
Anton Kovar
H.T. Ames
G.O.W. Kremp