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5th Floor, Hunt Library
Carnegie Mellon University
4909 Frew Street
Pittsburgh, PA 15213-3890
Telephone: 412-268-2434
Email: huntinst@andrew.cmu.edu
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The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

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

8 February, 1985

Dr. Robert E. Dunay
Mobil North Sea Ltd.
3 Clements Inn
London W2A 2EB, U.K.

Dear Bob:

The Fisher-Dunay reprint just came. You know how I feel about this matter. The whole Fisher project in the PFNP is a creamskimming, unethical pirating of ~~our~~ NSF-funded study of the Pet. For. Mbr. by Litwin and me. Our work involved several long trips to the area, much cooperation with PFNP officials, and with Sid Ash's parallel project. Fisher slipped into the Park with no discussion with senior Park management (they would never have approved), and collected a few samples in a couple of hours. I was unable to convince MF that his act was and is unethical. But I'm sure if you run it by any paleontologist for an opinion, you'll hear the same as I'm saying. Fisher knew ahead of time that we were working there-- he certainly ~~had~~ at Keystone in Fall, 1980, when he showed me the preliminary plates.

As you know very well, I have never personally (that is financially) profited from the Triassic-Jurassic work, but the ongoing project has financially supported generations of students, including you. We have now lost our NSF funding as of 1 Jan., partly on the knowledge of peer-reviewers that you were scooping us (one anonymously said so in his review). Litwin is within a few months of his Ph.D. and now has no assistantship. You and Fisher didn't need this diadem for your collection, and I can only view your cooperation in MF's action as a stab-in-the-back. You could have made your opposition clear by declining co-authorship. Instead you lent your support.

I wish you no ill, but there is no use trying to disguise my feelings.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Ca. 10 Jan 85
22 Grove Lane
London SE5 8ST

Dear Al,

Thank you for your card and letter. I apologize for not writing, or visiting, or lecturing, but as you can see from my new address, 1984 was a year of "positive upheaval".

To my great joy (Jackie's, too) and relief, Mobil transferred me back to London in September. ^{I was too busy in} the spring - in which I had lots of North Sea work from our Norwegian and Dutch affiliates - and in the summer - spent organizing our move back to these islands - to visit the U.S.A (except for a very quick trip to see my parents and daughter). Perhaps I'll have more time this year - it's st too early in 1985 ~~to~~ to tell.

Anyway, we're settling in here - it's as if we've never been away, and I'm spending my spare time ~~doing~~ working on ~~the~~ our house (22 Grove Lane). It was built in 1776 and is in a sorry state of repair, but we've gotten used to living on a building site and tasting the grit of brick dust in the soufflés.

My office address is now: Mobil North Sea, Ltd;
3 Clements Inn; London WC2A 2EB.

Regards to Betty
(PTO)

P.S. ~~But~~ I'll send you those
negatives as soon as I find
them - if I have them still.
I've made too many moves since
1972 to be very optimistic about
still having them.

20 December, 1984

Dr. Robert E. Dunay
Mobil Oil A.G.
P.O. Box 110
3100 Celle, West Germany

Dear Bob:

Do you know wheretthe negatives for the plates for your thesis are? (I mean the negatives for the whole plates, not the individual palynomorphs.) I always put a set of the prints out for the course, for identification purposes. Some character has cut a number of the figures out and ruined the prints. I'd like to replace, if you have, and can loan me, the plate negatives.

All the best for '85. Maybe you'll visit us.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Celle 12 Dec 1983

Dear Al,

A very Happy Christmas to you and Batty. I'm sorry that I haven't "gotten back" to you sooner, but I have quite deliberately delayed writing as I have yet to find the time to either prepare a series of talks (which basically means getting the Mobil drafting office here to prepare the visual aids) ~~or~~ or to actually visit the USA for a sufficient enough time to present them. I've been spending all my time on the work for which I was sent to Germany (deadline - by Feb.). Indeed, because of my work commitments, my planned ~~to~~ Autumn trip to the States was reduced to just one week - ^{which} was too short for anything but visiting my parents, brother, and daughter. So, I still cannot say yet when I'll be able to give the lectures, but I will give them. January

I'll write at length later re your query on range charts, etc. Cheers, Bob

1 December, 1983

Dr. Robert E. Dunay
Mobil Oil A.G.
P.O. Box 110
3100 Celle, West Germany

Dear Bob:

Long time no hear. Hope you and family are o.k.

Just came across a long forgotten set of notes of a conference between us. 25 January is mentioned as a possible date for a visit by you here. What's the status of all that? If it's go, I should be getting hot on the preparations.

Also, I wonder if you could do me a favor, vis à vis my textbook project? Could you send me references to the most au courant Triassic-Jurassic range charts...or (better?) provide me with an unpublished one of yoursown (to be richly acknowledged!)?

Best to you and Jack and daughters for the holidays.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

20 April, 1983

Dr. Robert E. Dunay
Mobil Oil A.G.
P.O. Box 110
6100 Celle, West Germany

Dear Bob:

Good to hear, per yours of 11 April. Fall Semester (as it will be then, for the first time) is the time to come all right. I would think in terms of a lecture for my class, perhaps something more technical for the palynology graduate students, perhaps a general lecture on applied problem(s) for the Geosciences Colloquium series. However, as it will be a labor of love for you, you can do whatever you please. I would even be absolutely delighted if you opted for just one general lecture jointly for class and graduate students, in the evening, followed by beer bust, as in the "good old days". However, I drafted the letter ~~to~~ Pflanzl along the lines you requested.

Best to you and to Jack too.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl

11 April 1983

Dear Al,

It was very good seeing you and Betty again and meeting your students, and I hope to be able to enjoy an extended visit, as we discussed. In this regard, I shall need an "invitation to lecture". This is essential, as I'll need about a week off (I will have used all my holiday ^{time} by then) and, in any event, I need Mobil's permission to speak professionally.

Could you therefore write me an invitation (as flowery and as complementary as you can morally justify!) to give a series of ^{paleontology} lectures at Penn State University on both Triassic Paleontology and applied paleostratigraphy sometime during the Autumn term (say Oct or Nov.) and address it to my boss, Dr. Gunter Pflanzl, Mobil Oil A.G., Box 110, 3100 Celle, with a copy to me. Again, this formality is very important as I'll need the time off from Mobil.

In ~~about~~ about a month or two ~~to think~~
~~about what I'm going to say~~ - I'll give you
the ^{proposed} titles of my lectures.

Cheers

Bob

Celle
23 Dec. 1982

Dear Al,

As I just received your letter today, and as you're departing 4 January, I thought that a quick reply would be in order.

Celle is indeed on the Frankfurt - Hannover - Hamburg line. Approximately $\frac{1}{3}$ - $\frac{1}{2}$ of all the intercity trains on the Hannover / Hamburg run stop in Celle. There are about 26 trains daily from Frankfurt to Hannover. Unfortunately, however, I don't have handy a Frankfurt/Celle Fahrplan. Hotel reservations also won't be a problem - there are plenty in Celle, although none to my knowledge could be classified as "quaint".

Should you decide on a Celle stopover, please give me a call after you arrive in Germany:

Office: 05141-15345

Home: 05141-81105

I can at that time easily make hotel reservations.

If you don't know Celle, ~~it~~ a visit is very worthwhile. Not only is the Schloß the birthplace of George I + II of Britain, but the ~~city~~ ^{mainly} 17th Century town was too insignificant to be bombed, and thus survived the Second World War intact.

Cheers,
Bill Dunay

9 December, 1982

Dr. R. E. Dunay
Mobil Oil A.G.
Exploration and Producing
D-3100 Celle, Postfach 110
BRD

Dear Bob:

Thanks for yours of 22 November. Yes, we're visiting Germany in January. I enclose an itinerary. We (Betty is also studying German these days) had resolved to take few or no side-trips, but a chance to visit you should not be passed up. I believe, however that it would best be accomplished at the end of the Frankfurt stay, pre-Kiel. We have somewhat longer in Frankfurt than originally planned. We are paying personally and had to fly on 5 January to get the cheapest rate. We had planned to take the train from Frankfurt to Kiel on the 15th. However, we could leave F. on the 14th, spend that night in Celle, and proceed to K. on the 15th as planned. Could you find us a quaint, inexpensive place to stay in Celle? Is Celle on the same Frankfurt-Hamburg train line that we would use to go to Kiel? If this all sounds possible, send us one of those little train schedules, Frankfurt-Celle.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et
encl: itinerary

(05141) 75345

Mobil Oil A.G. IN DEUTSCHLAND

EXPLORATION AND PRODUCING
D-3100 CELLE (WEST GERMANY)
P. O. BOX 110

AIR MAIL

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

Celle, Nov. 22, 1982
EG-RED/ew

05141-81005

Dear Al,

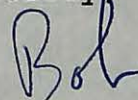
Thanks for your letter. Yes, I completely forgot about those slides. I'll dig them out and send them to you when I get a free moment.

I'm very sorry about Jane, and no, I hadn't heard before. When one moves about often, one unfortunately "loses track" of people and places. It's my fault really, as I'm such a terrible correspondent.

The grapevine tells me that you'll be visiting Walter Riegel in Göttingen next year. Should this be so, please let me know. Celle is close by and perhaps we can get together then.

Regards to Betty.

Sincerely,



R.E. Dunay

2 November, 1982

Dr. Robert E. Dunay
Mobil Oil A.G.
P.O. Box 110
3100 Celle, West Germany

Dear Bob:

Somebody was today looking for the slides mentioned in Dunay & Fisher (Rev. Palaeobot. Palyn. 28; 1979) as deposited at Penn State. I believe that those particular slides are not yet so deposited--right? Do you still plan to do so? Would be useful adjunct to research collections, of course.

Hope you are o.k. I suppose you have heard that Jane Dolsen died in July.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Mobil North Sea Limited

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ULTIMATE HOLDING COMPANY - MOBIL CORPORATION (USA)

MOBIL COURT
3 CLEMENTS INN
LONDON WC2A 2EB
TELEPHONE 01-831 7171

17 April 1980

Dear Al,

Thanks for your letter, but think nothing of it. I'm not too sure who I am now anyway, and although "Strother" has a nice ring to it, I'm afraid it's a bit too aryan or Anglo-Saxon for such a semitic/Mediterranean type as me.

See you in Cambridge

Sincerely

Bob

Robert E. ?

Junay

9 April, 1980

Dr. Robert E. Dunay
Mobil North Sea Ltd., Mobil Court
3 Clements Inn
London WC2A 2EB, England

Dear Bob:

On the very long chance that you might take a glance at it, and because you deserve an apology anyway, this is to extend such regarding the terrible blunder that the editor of the Penn State "Earth & Mineral Sciences" newsletter made in their recent number. I had submitted information about the AASP program in Dallas, listing Penn State alumni who took part, and they somehow succeeded in combining your name and Paul Strother's into one person, "Robert E. Strother". I'm just very sorry about that. There were other mistakes of omission in the article. I guess the root of the problem was that I simply turned a xerox copy of the program over to the EMS editor. I should have written the article myself.

It was good to see you in Dallas, even if briefly. Perhaps we will meet again at one of the conventions this year. Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

XXXXX

23 October, 1979

Dr. Robert E. Dunay
Mobil North Sea Ltd., Mobil Court
3 Clements Inn
London WC2A 2EB, England

Dear Bob:

Thanks for the autographed copy of Dunay and Fisher, 1979. I have just, finally, found a couple of hours when advisees and others were not buzzing around, in order to read the paper carefully. You can imagine that it has been an emotionally charged experience for me, as it makes me hark back fourteen years to the days in '65 when I was casting desperately about for a project that would be a winner for me at UZ, and got that original first lead on the ranch you and I later visited. (I have some great pictures taken the day you and I were there, and one living cactus plant from the ranch, which occasionally stands next to one or another of the many "Jerusalem Cherries" I have had since I stole one berry from your plant when I was "plant-sitting" it while you and Ruth were in Austria.)

First of all, congratulations on getting this paper out! It is important to see one's Ph.D. work into print in some form or other, and you have accomplished that. A milestone!

Secondly, thanks very much for naming the species for me! Of course, I'm not at all convinced (ha!) that it isn't a new genus, deserving to be segregated from Segrove's grab-bag. I guess Mike talked you out of that.

Thanks also for remembering to acknowledge the NSF support-- that is very helpful, and I am rushing a xerox to my contact man at NSF, so that it will help grease the ways for my current proposal to support further Triassic work for Dunay's and Cornet's successors here. (I guess one of them, Carmen Tavera, has already written to you--I suggested she do so.)

However, I am very puzzled that you did not mention, as far as I have so far determined, that the study was originally your Ph.D. thesis at PSU. That would have also been helpful per previous paragraph, and it is also customary to do so. Your bibliography lists neither the thesis, or Dunay and Tra-

verse. It would have seemed normal to have got those contributions into the picture, whatever their drawbacks.

It is also puzzling why you say on p. 89 that "....no detailed systematic treatment of any American Triassic palynoflora has hitherto been published." Cornet and Traverse would seem to deserve the encomium as much as Schultz and Hope. I thought at first it was a timing thing, but Cornet and Traverse 1975 is in the "References" (I am not sure why, as I have as yet not found it referred to.)

We are delighted by the statement on p. 65 that "All palynomorph specimens illustrated in this work are deposited in the palynological collections....etc." That must mean "will be deposited", as we have not as yet received them. Will they be shipped soon? The collections here have recently been made an "official" PSU function, and I am not "officially" the curator (without pay, of course)! That does now assure the collection of a measure of "permanance". I look forward to getting the slides, with the types, etc. Marvellous!

Now for some small critical comments that might be useful if you should use the same info again, or whatever. Some of these matters have doubtless been previously noted by you and/or others.

1. p. 65, para 3. Locations of specimens on this or that scope are utterly (100%) worthless because the locations mean nothing on other scopes, or even on the same scope five years later, if busy fingers and a screwdriver have "adjusted" the stage, as often occurs. All of this is explained in a paper of mine of long ago (Micropaleont. 4:207). If a reference point--for an "x", or for a stated corner of the coverslip⁰⁰ is given, however, a painstaking searcher can eventually find the fossils with any microscope. However, the method is fraught with difficulties, and I now advocate using an "England Fin~~er~~" or some such grid slide that makes it really easy!

2. p. 65, para. 6, 1. 1. "In a few instances....": This seemed odd, as I counted 14 such taxa, by checking off on your very useful list on pp. 65-66. I take it that all one has to do is count up those not asterisked? (Probably should have been stated.)

3. p. 70. Tulesporites. What is the origin of the generic name? You explain the specific name, but not the generic! I guessed Greek, tulos (knot)--right?

4. pp. 71-73. "Daughertyspora chinleanus" should, of course, be D. chinleana. This is an unfortunate slip, as it will be followed, but it really is no problem--the Code allows one to correct such errors in subsequent usage.

Dunay, pg. 3

5. p. 74. Your treatment of Pretricolpipoles interested me. Isn't that generic concept still in flux? I note that Jansonius regards P. as quite likely based on a misinterpretation (JJ card). Is the ring furrow really a sine qua non for Eucommiidites? I know Hughes has that opinion, but does the type material force such a conclusion?

I guess that's enough for now--I really have profited a great deal from study of your paper. See you in Dallas? See you in Cambridge in 1980?

Best regards to you and Ruth from us both. (Betty is still my helper and is typing this letter. We live in the country now and are working as hard as ever or harder. Only Celia--a senior in HS--is still at home.)

Yours cordially,

Alfred Traverse
Professor of Palynology

AT/et

P.S. 1. Any chance of several more reprints?

2. We are eagerly awaiting the slides--or would hand delivery at Dallas or Cambridge be preferable?

14 February, 1977

Dr. & Mrs. Robert E. Dunay
14 Durwent House
Stanhope Gardens
London SW 7, England

Dear Bob and Ruth:

You won't believe this, but I just opened your Christmas card! We have been really overwhelmed with moving into our new house, winter, and other complications. All goes reasonably well. John Bebout has finished his thesis and defended it. He will be working for the USGS in Washington on the off-shore wells from Baltimore canyon north. Cornet is still messing around on the latter stages of his thesis, but I believe I'm going to get him launched one of these days. The problem is, to find him a job! He is too famous. It is sad, because he really is exceptionally capable, and somebody who could put up with his escentricities would get a good man in the bargain.

We are more or less settled in our new home between State College and Huntingdon. We had it blessed last Sunday with an open house for the parish. We imported my old priest-supervisor from Philipsburg to do the sacramental part of the affair, and all went well excepting that a member of the vestry got his large, heavy Lincoln stuck in the snowbound lane that connects us with highway 26. I

I have a new graduate student, a girl, Deborah Delfel, who is really delightful. She came to us from Fritz Cramer when he abandoned ship and went to Spain. The jury is still out on whether she is really cut out to be a palynologist. If she isn't, it will be a real loss to the happiness of our lab. Norrie Robbins is talking about coming here to finish a doctorate, and that would be exciting. Betty is not sure whether some other adjective might be more applicable.

I have resigned all connection with the coal research section. Should have done it years ago, and am feeling like a free man for the first time in years. It has

Dunay - 2

been really difficult emotionally for me all these years to be part of an organization many of whose basic precepts are repugnant to me. In particular, and the presenting cause for my quitting, I was never really given charge of the Catalog of Fossil Spores and Pollen--never saw its budget in the entire period of time I was the co-editor. More about that sometime over a beer.

Teaching goes along reasonably well. We have an excellent class in 423 this term, and they are doing very well with their unknowns, etc. My research goes a little less well, because I just don't have time at the moment. This is disheartening, because research is really what I like to do.

I was not funded to attend the international conference in Lucknow--at least I was not funded during a time when it would have been practical to decide to go. They did come through with a ticket, etc., four days before I was supposed to have left. I had cancelled out weeks before! To my astonishment, I was elected international president in my absence. Some who were there say it is just as well that I wasn't there because it was a very bad scene, with Bharadwaj really mad that he wasn't elected. He may never speak to me again. Well, old friends, that is all I have time for at the moment. I know I have not been keeping you posted very well, but it has been just impossible under the circumstances that have applied in our family and situation for the last few months. It looks to get better pretty soon (I hope). Best wishes for 1977.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Department of Geosciences
Palynological Laboratories

Area Code 814
~~865-6842~~
865-2342

April 26, 1976

Dr. Robert Dunay
Mobil Oil Corp.
Stratigraphic Laboratory-ESC
P.O. Box 900
Dallas, TX 75221

Dear Bob:

Thank you for yours of 3 April. I not only was not annoyed by your "not writing in so long", but I was under the impression I owed you a letter. I still have yours of 3 June regarding the samples, posted on my bulletin board waiting for some sort of action, and perhaps this additional contact will provide that stimulus!

I certainly did appreciate the neat picture of Ruth and Jennifer, and Betty admired it too!

Actually, I was more concerned about my recollection of our rather brief contact in the hall in Houston following that incredible performance by Estella Leopold than I was about anything else in our relationship. I still am not sure that I understood the impact of what you were trying to tell me, but never mind, my conscience is reasonably clear, and I still retain very fond recollections of our relationship here (only regret we couldn't have been together more, but that simply was not and is not a part of the lifestyle that is imposed on me by circumstances here).

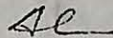
It would be nice if we could take you up on your offer of a visit to the Dunay abode in London--one of my favorite places. However, we are moving our residence to Huntingdon this summer, and the DSDP meeting ended up being placed in New York rather than Moscow, so 1976 will be a total flop as far as visits to you are concerned, I fear.

There are now some questions regarding your earlier letter; please let me know what you still would like to have from the Lunz material--I would think that the easiest thing would be slides, under the circumstances,

but it would involve running raw samples. As soon as I have an indication from you of what you want, I will have the stuff sent to you--I really mean it!

Best wishes to you and your family.

Yours very truly,



Alfred Traverse
Professor of Palynology

AT:jb

3 April 1976

Dear Al,

Please forgive me for not writing in so long, but as you doubtless know by now, I have a definite allergy to picking up a pen. At any rate, both Ruth and Jennifer (who is now 15 months old) are in good health (picture enclosed).

The most significant bit of ~~the~~ news I have is that I am being transferred to Mobil North Sea in London effective May 1. I understand from Steve Percival that you might be going to the USSR sometime this summer. If you stop over in London, Ruth and I would be very pleased if you could pay us a visit.

I hope that Betty and your children are well and that we will be able to see each other in England. I will write again as soon as I know my London address.

Sincerely,

Bob Dunay

THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences
Department of Geosciences
Palynological Laboratories

Area Code 814
865-6543
865-2342

June 25, 1975

Dr. Robert E. Dunay
Mobil Oil Corporation
Stratigraphic Laboratory - ESC
P. O. Box 900
Dallas, Texas 75221

Dear Bob:

Thanks for yours of 3 June, which arrived, as you probably knew, while I was with the "Glomar Challenger." You will have heard much about that from good old Steve Percival, who will doubtless regale you with tales of the thousands of cups of tea which he will allege to have fetched me from the galley. I enjoyed his company.

Re the residues, etc. -- I'll post your letter to remind me to take care of this when I get back to "normal" (September? -- would you believe October?)

The "new" acknowledgment is a great improvement and fills the bill to a "T".

Best regards to Ruth.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:kc

Mobil Oil Corporation

P. O. BOX 900
DALLAS, TEXAS 75221

3 June 1975

Prof. A. Traverse
Dept. of Geosciences
517 Deike Bldg.
University Park, Pa. 16802

Dear Al,

Thank you for your two last letters, and congratulations on your sojourn to the Black Sea. Actually, I knew you were going from Steve Percival, who, as you know by now, will be your "shipmate".

I went back to my Austria notebooks and came up with the information you seek (see enclosure). The "RD" coal series were taken from museum specimens. The only information I have on them I took from the accompanying display cards. You have this information already on the accompanying sheets. They were originally taken from long-since abandoned shaft mines in the Lunzerschichten from the vicinity of Schrambach. I believe I processed most of these coals - they proved to be barren. Please feel free to use any of my samples and information for reference. I ask only one favor in return. In coming to Dallas, some of my shipment received water damage - including many of my pollen residues! If you could, I would appreciate you sending me splits, or even slides, of my Lunz material.

My thesis (illustrations completely redone) will be published in Palaeontology. I have decided to change your acknowledgement to read "This work was in part supported by NSF Grant GA-23408 to Prof. A. Traverse (Pennsylvania State University). We are indebted to Prof. Traverse, who conceived this project, and who directed the original lab and field research, to G. Eifler (Texas Bureau of Economic Geology) and Prof. S. Ash (Weber State College, Ogden, Utah) who furnished Traverse with information on certain collecting localities,..." I hope this will be okay with you.

I'll write at length in the next few weeks.

Sincerely,

Bob

Samples present but not listed in pre
(need data)

- LU-7A - basal Lungzer Schichten, Politzberg graben
- RI-8d } 8d? two separate bags } SAME LOCALITY -
RI-8D } 10 meters up dip
from Loc 8A
- OP-6 - Same as OP-6D, 10cm. above
- OP-5D - Same as OP-5, 20cm below
- Coal RD-2 Lungzer Schichten, Anna-Stollen
Hangenflöz #1, Schrambach 40% ash
- RI-16 ③ Reiflinger Kalk, Wasserleirungs graben
upper Reiflinger Kalk - M Lung-Seehof
shale intercalation Noval
- RI-8B → 10 meters up dip from 8B
Lungzer Schichten → Schrambach Coal mine, fossiliferous shales 1m above main seam
- # 12C → 100m E of 12C, Schrambach Coal mine
- Coal-shale, loc. 136
- RI-16 ① Reiflinger Kalk - same as 16 ③ → 10 meters South
- Coal RD-5 Lungzer Schichten, Bergbau Seehof, Förderhöhle
- Coal-shale #12A, Schrambach, Lungzer Schichten, abundant microfossil plants
- OP-5A - Same as OP-5, 20 cm below
Lungzer Schichten - 200 m below contact w/ Oppantzer Kalk
14a weathered shale
- OP-5C - same as OP-5C, 30 cm below
Shale intercalation 40m down dip from 6D
- OP-6C - Lungzer Schichten, 200m below contact w/ Oppantzer Kalk
14C shale
- # 14b Same as 14C, 100m S of 14C, shale
- RI-16 ② Reiflinger Kalk same as 16 ③ → 5 meters South
- Coal RD-3, Lungzer Schichten, Seisb, Kirchberg / Pielach number
- Coal RD-1, " " Anna-Graben, Hangenflöz

(need date)

Coal - loc 13a

Shrawbach coal mine - Lung coal - grab sample

Coal - RD6, Lunger Schichten, Anna-Gesende,

Legend

Coal RD4, Lunger Schichten, Anna-Stollen, Haugsudfloty
N55-66/40S

Samples present & listed in PRC

RT-8A, PRC 2615

RT-8E, PRC 2616

LU-2, PRC 2620

LU-3, PRC 2621

LU-4, PRC 2622

LU-7B, PRC 2618

LU-SW (#12B), PRC 2623

OP-5, PRC 2625

OP-5B, PRC 2626

OP-6D, PRC 2627

(I have date
on these)

Samples not present as rock but listed in PRC

LU-7, PRC 2617

LU-1, PRC 2619

LU-9, PRC 2624

OP-10, PRC 2628

(Rob
never mind
these)

May 13, 1975

Dr. Robert E. Dunay
Mobil Oil Corp.
Stratigraphic Laboratory
P.O. Box 900
Dallas, Texas 75221

Dear Bob:

Thanks for yours of 5 May, which apparently crossed in the mails with mine to you of recent date regarding the samples you left behind, etc. I am so sorry to hear about the problems that you and Ruth had but delighted to know that you have "turned a corner". I haven't had a chance yet to call Betty's attention to the fact that the baby gift never arrived. I suppose at this point, it is not going to be easy to do anything about it. I'm sure Betty will feel frustrated!

As I have said in the previous letter, I would like to hear sometime about what prompted your sudden departure from Calgary. It was rather embarrassing to be asked by various people what was going on with ol' Bob and not have the slightest idea.

As I also think I mentioned in the other letter, I leave this coming Sunday for the Black Sea (Gbmarr Challenger) and what with the International Botanical Congress as well, it is unlikely that I will be here much until August. Perhaps I will get to see you in Houston in October?

You don't say where the thesis is going to be published. I do hope you improve the illustrations. The acknowledgement which you quote sounds okay to me. You might perhaps consider making it a little more flowery along the lines that it was I who conceived the project in the first place, and you also will want to acknowledge that Sid Ash sent me samples and localities which subsequently became part of your thesis project. Your (best?) locality that we jointly developed was given me by Gus Eifler of U. Tex.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vs1

May 6, 1975

Dr. Robert E. Dunay
Mobil Oil Corporation
Stratigraphic Lab - ESC
P.O. Box 900
Dallas, Texas 75221

Dear Bob:

Cornet and I have recently been going through the samples you left behind, apparently cuts of material you obtained in Austria. Many of these seem to be quite interesting to us and by in charge can be referred to things about which I have notes. Others have been more puzzling to us because we don't seem to be able to relate them to data I have in my PRC data books (Pollen Residue Collection). I am enclosing xerox copies of a listing of the samples with the request that if you have any notebook information or whatever about these samples--would you be willing to share them with us? No publication of this is contemplated, of course, but if we are going to use the stuff for reference, we need some data.

Still looking forward to an announcement from you that you have moved to Dallas, though I do suspect that it must be true! Betty remains concerned about whether the small baby present she sent to Calgary ever reached you in your new abode.

Naturally I would love to hear what the circumstances were which prompted your swift departure from Alberta.

Biggest news from my end is that I have been selected as on-board palynologist for the Glomar Challenger's forthcoming cruise to the Black Sea. I leave for Istanbul a week from this Sunday.

Best wishes to Ruth.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

Enclosure: xerox of sample listing

Fire Jimmy
Correspond.

Hammer
Requested of Jimmy
6-V-75

Samples present but not listed in pre

LU-7A

RI-8d } 8d? two separate bags
RI-8D }

OP-6

OP-5D

Coal RD-2 Lunzer Schichten, Anna-Stollen
Hangenflöck #1, Schrambach 40% ash

RI-16 (3) Reiflinger kalk, Wasserleitungsgraben

RI-8B

12C

Coal-shale, loc. 13b

RI-16 (1) Reiflinger kalk

Coal RD-5 Lunzer Schichten, Bergbau / Seckopf, Förderbohle

Coal-shale #12A, Schrambach, w/ abundant megafossil plants

OP-5A

14a

OP-5C

OP-6C

14C

14b

RI-16 (2) Reiflinger kalk

Coal RD-3, Lunzer Schichten, Sois b, Kirchberg / Pielach ^{no} number

Coal RD-1, Institute for Botanical Documentation, Anna-Gesellschaft, Hangenflöck

Coal - loc 13a

Coal - RD6, Lunzer Schichten, Anna-Geschenke,
Legend

Coal RD4, Lunzer Schichten, Anna-Stollen, Hanggrubfloty
N55-66/40S

Samples present + listed in ARC

RT-8A, PRC 2615

RT-8E, PRC 2616

LU-2, PRC 2620

LU-3, PRC 2621

LU-4, PRC 2622

LU-7B, PRC 2618

LU-SW (#12B), PRC 2623

OP-5, PRC 2625

OP-5B, PRC 2626

OP-6D, PRC 2627

Samples not present as rock but listed in PRC

LU-7, PRC 2617

LU-1, PRC 2619

LU-9, PRC 2624

OP-10, PRC 2628

March 18, 1975

Dr. Robert E. Dunay
3337 Pine Tree Court
Dallas, Texas 75234

Dear Bob:

Just got your baby-announcement with the return address in Dallas! It seems somewhat surprising that you have apparently made a major change without any discussion with me at all! For her part, Betty is upset because she sent your baby present to Calgary. It is not mentioned in the announcement so we wonder if you ever got it? Depending on how long ago you left Calgary you may never see it, which wouldn't matter all that much anyway.

Looking forward to hearing from you and what on earth you are up to. I am

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

THE REV. ALFRED TRAVERSE
P. O. BOX 967
STATE COLLEGE, PA. 16801

17-IX.74

Donay
Bob-

Thanks for yours of 11 Sept.

I have laid off the Bruce
question — he will doubtless
then adequately do his own griping,
& not 'own' the Newark Basin — or
find, for that matter. But I
've deserved a bit more recognition
— who is not even a palynologist
readily contributed only rock spores.
— that is up to you and Bruce to
and I should have kept to my

point, which very simply was that
what you failed to do was dumb —
it would have cost you just two-
three lines to credit my project ad
Sid Jek's — it would have helped
us both with NST, and everybody would
have been happy. So, why the hell not?

It's all a big game, of course —
& I can't raise money for future graduate
students unless I get as many as possible
public jobs on the back from past ones.
I am simply kept too busy with the
mirrors to do enough publishing on
anything myself.

Please don't lose any (more?)
sleep over this. What's done is done.
See you in Calgary over a whiskey & soda,
I hope. Regards. Al + (REDCAT)

11 Sept. 1974

Prof. A. Traverse
517 Deike Bldg.
University Park, Pa. 16802

Dear Al,

I was terribly disturbed to receive your letter of 6 Sept. Let me state outright that we both apologize for any slights we made to you. The paper, we think, was short, concise, and was devoted solely to generalized correlation. For this reason, I did not think it too important to acknowledge the individual collecting sites. This was negligent of me and I now regret it. I assure you that the in press version of my thesis acknowledges all the help I received. As a result, I really do apologize to you for this.

With regards to Bruce. Both Mike and I thought we resolved this matter with Bruce himself. Both of us wrote him and made it quite clear that only those few Newark palynomorphs with correlation value would be mentioned. We stated we would go no farther, and we did not. I should also mention that much of the Newark material we have did not come from Bruce, and, as a result, we have as much right as anybody else to work on that region. Despite this, we were willing to defer to him. In our letters to him, we told Bruce exactly what we were doing, and our explanation seemed to satisfy him. Indeed, in order not to usurp Bruce, we did not include illustrations, we did not describe in detail the Newark palynofloras, and we did no taxonomy or paleoecology. We did not, in my opinion, "skim the cream" off of Bruce's thesis.

I again emphasize that, although both Mike and I have our own samples of Newark material, you and Bruce have my solemn promise that we will not publish anything further on the Newark Series. We leave this region strictly to you.

I hope you accept my apology.

Sincerely,

Bob Jones

P.S. I am looking forward to seeing you at AASP.

Jimmy

Don't file if a copy is
already on
file

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

6-1X-74

Dear Bob -

I have just seen your paper in *Rev. Pal. & Pal.*
I regard this as an unethical performance
on several scores:

1. You did not acknowledge that part
of the work was based on your doctoral work
here with me.
2. You did not acknowledge that —
see Fig. 2 — a good share (all?) of the
actual field work was supported by my
project (gave you two trips down there) and
funded by NSF grants to me.
3. You did not acknowledge that
all of the southwestern localities were originally
discovered by others and turned over to you
by me. Sidney Ash certainly should have been
acknowledged too.

4. You have cream-skimmed a good part
of Corneli's thesis. Perhaps he should
have been co-author.

This sort of thing is especially unfortunate
because so unnecessary. It wouldn't have cost
you a nickel to put in the 2-4 additional lines
that would have made it o.k.

Yours sincerely,

A. Traverse

Alfred Traverse

Dunay

23 May 1974

Dear Bruce -

Thank you for your letter and reprint. I would like to comment, however, on the polynoflores which you called upper Norian in your letter. The occurrence of Patinasporites densus is presently thought to be restricted to the Karnian. In the alpine type sections this bug is restricted to the Carnites floridus and Tropites subullaris zones of the Karnian. Of course, it may indeed range into the Norian, but there is presently no proof of that. The Norian, at least as it is developed in the arctic (see Tozer, 1967), as well as in the North Sea, appears to ~~be~~ contain polynoflores similar to those found in the Rhoeticum (~~the~~ most species described by Schubly, 1967, are also found ~~in~~ in the Norian).

E. vicens ranges through the Karno-Norian as does G. ruelis and C. meyeriana. Triadispaa has an occasional Norian species, but it is more diverse and abundant in Karnian and older sediments. The only form which you mention which is indicative of an uppermost Triassic age is C. torosus. But as you yourself (as well as Reyre, 1970) pointed out,

the systematics of the circumpollis group is a mess. Furthermore, most of the tectate Classopollis grains which I have seen from ~~the~~ your New England samples ~~are~~ I would rather place in C. simplex, a species which Reynr finds throughout the Norian & which I have seen in the Karnian, or some other species

Anyway, I'm not saying your Flora is not Norian; however, there is a good possibility that it is Karnian.

If you willing, I would like to examine a slide from this locality. Again, I emphasize that I have no ambitions in the Newark Group, that I will transmit ^{to you} any information that I may derive, and that I am doing this only to satisfy my curiosity and to help you in your studies.

I hope to be hearing from you soon and to be seeing you this October at the AASP meeting.

Sincerely

Bob Denny

unexp. R.E. Juny. Co. 1973.

100.16

Samples loaned to R.
Szymusiak 19-III-74

8A - Shaly intercalation in upper
Reiflinger Kalk - Ladinian - Carnian
boundary nr. Hagen, Lower Austria

8E - same as above, approx. 100m
south of 8A.

(D70-1)

7B - Shale, assoc. with Halobia
~~Dacrydella~~ +
plant fragments - Lower Lunzer
Schichten (Halobia rugosa zone).
on Ybbs R., 5 km SW of
Lunz am See, Austria - L. Carnian

(D70-2)

1 Shale to silty shale - Upper
Lunzer Schichten - associated with
plant fragments - co-horizontal with
Lunz coals. On Ybbs R., 5 km
SW of Lunz am See, Austria -

(D70-2)

2 Same as above - 2m upsection
L. Carnian

3. - Same as above, approx 10m
upsection From # 1 - Siderite nodules associated

April 17, 1974

Dr. Robert E. Dunay
Robertson Research Ltd.
501 Cleveland Crescent S.E.
Calgary, Alberta
Canada T2G 4R8

Dear Bob:

This will, I fear, confirm all your worst suspicions about my failure to take care of correspondence promptly. I just opened yours of 4 March, and find that you must have wondered what was going on when we spoke over the phone since then. For example, you had already told me about Ruth's job in industrial chemicals. I still can't believe it but it's too elaborate a story for a joke. I look forward to seeing your house on (of all places!) Canterbury Drive.

You are quite right in all the comments you have made about our mutual friend, B.C. He is going to have a hard time, but his sheer ability and drive will carry him far. In the meantime, it will provide lots of fun for us over cocktails somewhere sometime.

Thanks for your nice letter. You send so few, that it really is a pity that I have neglected it! Best wishes to Ruth.

Yours very truly,

Esleek
Alfred Traverse
Professor of Palynology

Fidelity Canyon
P.S. I suppose I will find a letter in here somewhere from Mike about his proposed itinerary. It becomes pertinent because other things are shaping up for May.

AT/vsi

March 27, 1974

Dr. Robert E. Dunay
Robertson Research (N.A.) Ltd.
501 Cleveland Crescent, S.E.
Calgary, Alberta
Canada T2G 4R8

Dear Bob:

Thank you for yours of 19 March. I'm glad to hear that the negatives and plates arrived safely. It would be a good thing to have the holotypes deposited here, and in that case you should say so in the paper--deposited in the Palynological Collections of the Pennsylvania State University, University Park, PA, 196002. Also, I beg to remind you about the acknowledgment of the generous NSF support during the entire development of the project. The enclosed

The enclosed sheets should give you the information you want for PRC samples 2569 and 2572. All of the information on location, etc., is on the sample accession sheets and/or the PRC sheets. However, to help you with the lithology I have done what we used to do at Shell years ago and affixed small pieces of this sample right on the sample sheets. I hope that that gets to you safely, in which case you should have no trouble describing the lithology. I suspect that a superefficient palynologist could even get a small palynoflorule out of each scrap.

Naturally I am happy to learn that we might get some "duplicate slides from exotic places". It is my intent~~ann~~

It is my intention to attend the meeting in Calgary, but travel money is getting awfully tight, and I am making no promises even to myself. If it were possible to bring Betty that would certainly be fun. She and I tremendously enjoyed our last previous trip to Calgary.

March 27, 1974

Nothing especially new around here. De Jersey is coming in June. My son, Paul, got into medical school and graduates from Harvard in June. Martha has the lead in a straight play, Moliere's "School for Wives" at the University of Southern Illinois and will probably be in municipal opera in St. Louis this coming summer.

Best wishes to Ruth.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

Enclosures: identification sheets

3/28/74

Fidelity Union Bank
100% Cotton

ROBERTSON RESEARCH (NORTH AMERICA) LIMITED

DIRECTORS: J. C. ROBERTSON, D.L. DR. R. H. CUMMINGS R. W. L. OLDROYD

19 March 1974

Prof. A. Traverse
517 Deike Bldg.
University Park, Pa. 16802

Dear Al;

Thank you for your letter of 11 March; thanks also for the negatives and plates, which just arrived in good order today. I hope to have the negatives returned to you well before the end of the year. Also, if you like, I plan to deposit the holotypes of my new taxa at Penn State. They are ringed and are contained on about seven slides. I will send these to you in a few months' time. I plan to have the Dockum manuscript ready to send to Palaeontology within the next month.

Please do me one more favor. I should like to know the localities and brief descriptions of PRC samples 2569 and 2572. Nothing detailed please, just the color, lithology, and general location. I'm just double checking on my information before publication. It's my first major publication, as you know, and I'm double checking on everything just to be on the safe side.

Thank you for enquiring on my travel plans. Unfortunately, I don't think we'll be able to get back east this year. One of the worst things about industry is the lack of free time - I expended most of my leave going to Israel. To compound things, the house we bought has put a bit of a strain on our finances. Still, we'll see you in October, G-d willing, and I'll be happy to put on a slide show for you all there (are you going to bring Betty?).

I also have some duplicate slides from rather exotic places which I will donate to the PSU collection.

So, enough for now,

Looking forward to your next letter,

Sincerely,

Bob

ROBERTSON RESEARCH (NORTH AMERICA) LIMITED

DIRECTORS: J. C. ROBERTSON, D.L. DR. R. H. CUMMINGS R. W. L. OLDROYD

4 March 1974

Prof. Alfred Traverse
Organic Sediments Lab
517 Deike
University Park, Pa.

Dear Al,

Thank you for your letters of 15 and 20 February. We were indeed rather disturbed with the tone of Bruce's letter, and I hope our replies to him have alleviated his paranoia. He is simply going to have to realize that the world is not out to screw him, yet.

I'm afraid he also must learn that he is living in a human society and that he must treat his fellow man a bit more equitably and diplomatically. It will be for his own good because both you and I realize that, regardless of how competent he may be, most prospective employers frown deeply at that sort of behavior. I think he has a good deal of potential, and it would be a pity if the field loses him through his personality defects.

I'm glad to see that another student is interested in the Triassic. Perhaps you could inquire at the G.S.C regarding the analysis of Triassic sections of some of the released arctic wells. However, you might have problems doing the work outside of Canada. Also, Jeff Norris and Bill Sarjeant have their students working on released well sections. Before you start, it might be a good idea to see what their plans are.

Alternatively, you might try the Alaska North Slope. Chevron has let Virgil Wiggins publish on the dinos of the Alaska Triassic, so they might be willing to release some samples to you for a pollen study. Also, Mobil might be prepared to release some of their sections.

I don't know exactly what Mike's intentions are regarding the Triassic material. You had better take up this question directly with him.

We are doing rather well here. Ruth landed a pretty good position here selling industrial chemicals. She's the first female salesman of her kind in Canada. She likes the job quite well. We're building a house in the southwest part of town (724 Canterbury Drive SW). It should be ready for occupancy in mid-April.

Regards to Betty and your children, and see you in October.

Sincerely,

B.L.

100% COTTON
Fidelity Onion Skin
Garlock

March 11, 1974

Dr. Robert E. Dunay
Robertson Research Ltd.
501 Cleveland Crescent, S.E.
Calgary, Alberta
Canada T2G 4R8

Dear Bob:

Under separate cover we have sent you the originals of your thesis figures and the original negatives of your various Triassic photomicrographs. The text-figure originals are yours to keep, but I would like to consider the 35 mm negatives (23 packages) to be a loan. Presumably you should be able to return these strips within a year or so. I have been trying very hard to build up our palynological collections here at Penn State ever since my arrival on the scene, and this sort of thing plus slides and rock samples are most useful in that connection. I wish I had been even more insistent on this subject in the past.

I hope that these two packages contain what you need and their arrival will not be too much delayed. When are you going to visit us in State College? Since we are on the way from Calgary to either Washington or New York? When you come please bring pictures of your trip to Israel.

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/vsi

Bob Junay ✓

THE REV. ALFRED TRAVERSE
P. O. BOX 967
STATE COLLEGE, PA. 16801

15 Feb. 1974

Dear Bob -

Fleets! — very important

— Since my doing this over weekend —

when paper goes in, please put
in the acknowledgment that the
work was supported by NSF grant

→ GA-23408 TO Alfred Traverse.
G

Cordially yours,

Al

Best wishes to Ruth. She's nice.

CABLES: RESEARCH
501 CLEVELAND CRESCENT S.E.
CALGARY, ALBERTA T2G 4R8
TELEPHONE 287-0073

ROBERTSON RESEARCH (NORTH AMERICA) LIMITED

DIRECTORS: J. C. ROBERTSON, D.L. DR. R. H. CUMMINGS R. W. L. OLDROYD

12 February 1974

Prof. Alfred Traverse
517 Deike Bldg.
University Park, Pa. 16802

Dear Al;

I just received your letter two days ago. It is rather coincidental that you write regarding the publication of my thesis; I was just about to write you on the same topic. We are just about ready to publish it. However, I do not have the originals of my text figures. You sent me the originals of my plates some time ago. The text figure originals, if I recall, will be somewhere in Don Krebs' room. As soon as these text figures are in my hands, I will revise them as necessary and send the whole lot off to the publication.

*Compare with
Travis*

If it is at all possible, please send them to me via airmail. The quicker I receive them, the quicker I will be able to go to press.

Sincerely,

Bob Dewar

P.S. I would appreciate receiving the negatives of my palynomorphs. I sent these to you at your request about one year ago.

January 29, 1974

Dr. Robert E. Dunay
Robertson Research (N.A.) Ltd.
501 Cleveland Crescent S.E.
Calgary, Alberta
Canada T2G 4R8

Dear Bob:

Are you still there? Didn't hear from you over the last few months--not even at Epiphany? I'm wondering what your latest plans are regarding the publication of your opus magnus. The reason it comes up is that in a paper which Bruce and I are working on we need to make reference to your keen discussion of Pityopollenites, and it is inconvenient to refer to an unpublished thesis obviously. Let me hear from you on this and to assure me of your continuing viability.

Best wishes to Ruth.

Yours very truly,

Estimate
Alfred Traverse
Professor of Geology & Biology

AT/vsi

Fidelity Onion Skin
100% COTTON

July 9, 1973

Dr. Robert E. Dunay
Robertson Research Ltd.
501 Cleveland Crescent, S.E.
Calgary, Alberta
Canada T2G 4R8

Dear Bob:

Recent further research in the early ~~Pre-Boreal~~ of the photographic suite has uncovered an important treasure trove of Dunayiana. Under separate cover I have mailed you what seemed to be the original, continuous tone pictures from which your half tone (ugh!) plates were made.

Keep smiling. Wish us luck on our Nova Scotia foray. Cornet had turned up a couple additional localities in Massachusetts which are unbelievably good--including megafossils with attached sporangia containing spores, etc.

Best wishes as always.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Esteeck
Fidelity Onion Skin
100% COTTON

June 26, 1973

Dr. Robert E. Dunay
Robertson Research Ltd.
501 Cleveland Crescent, S.E.
Calgary, Alberta
Canada T2G 4R8

Dear Bob:

As soon as I got back I reopened the question of your missing plates. The problem has been solved, but I must describe the result as only partially satisfying. Your "original" plates were themselves made of half tones--the "original" half tones! I can't understand how you got such bad advice, but that is the shape of the picture. There were, however, with the plates also some of the original glossies which were used by Don Krebs in making the half tone pictures which you then cut out to make your plates. What you now need to do is to reconstruct the plates using continuous tone pictures, such as those in the envelopes. I notice that some of the envelopes are empty, and I don't know what the explanation for that is. Who has the negatives? If the negatives are in your possession, replacing the prints will be no problem. If I have the negatives and you can tell me that for sure and give me a list of what you want with negative numbers, etc., we can have the copies made here. When the time comes that the plates are in the form you want them, we can also have those photographed for you here. But the journal to which you send the paper will want plates consisting of original continuous-tone glossy photomicrographs mounted on the boards. The miracle is that the copies of pictures we have from your thesis are as good as they are, inasmuch as they are photographs of half tones! The plates and photographs are on their way to you under separate cover. Please let me know about their arrival and also about the question of the negatives and what you would like me to do about them. Most of the pictures themselves are pretty darn good, and it would seem foolish to do them all over again.

It surely was good to see you and Ruth again. Best wishes as
always.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Esbeck

Fidelity Onion Skin

100% COTTON

ROBERTSON RESEARCH (NORTH AMERICA) LIMITED

DIRECTORS: J. C. ROBERTSON, D.L. DR. R. H. CUMMINGS R. W. L. OLDROYD

May 30, 1973.

Dr. Alfred Traverse,
Organic Sediments Lab.,
517 Deike Building,
University Park, Pa. 16802,
U.S.A.

Dear Al:

Thank you for yours of 23 May.

In regards to the original plates of my thesis, I am quite sure Don has them.

I have cancelled your reservation at the Blackfoot Motor Inn. I'm sure you won't have any trouble finding adequate lodgings. My only fear is that the tourist season will be in full swing, as the Calgary Stampede takes place less than a month after your arrival. Still, I think you're arriving early enough to avoid any hassle. I suppose you can start with Jansonius' list, and if nothing pans out, we can always go to the Yellow Pages.

I will be able to pick you up on 7 June. Because of Shavout, rehearsal has been cancelled that night.

So, see you then.

Sincerely,



R. E. Dunay.

RED/ajc

May 23, 1973

Dr. R.E. Dunay
Robertson Research Ltd.
501 Cleveland Crescent, S.E.
Calgary, Alberta
Canada T2G 4R8

Dear Bob:

Thanks for yours of 17 May. I decided to answer it immediately for two reasons. One is with regard to the "set of plates". You may recall that the negatives you had prepared from the original plates were half-tone negatives. You should not use those for your publication. We should go back to the original plates, wherever they are, and make continuous tone negatives for the purposes of publication. If you can provide me with the original plates, I see no reason why there should be any great difficulty in having the negatives made, though there might be some delay. I doubt that I could get them done for you by the time I leave here in June, but that is no problem--it's easy enough to mail that sort of thing.

The second reason I thought I better write you right away is with regard to my plans on arrival. I really don't want a reservation unless you think that it is imperative. I thought I would simply get into the vicinity of the Imperial Labs and use the list which Jansonius provided me. A couple of them which he claimed were okay ran only about \$10 a night. This is an exceedingly low-budget trip, so I do want to keep expenses to the absolute minimum. I probably also should have warned you in the first letter that I don't want to make a big issue of the fact that I am arriving in town as early as the 7th--I'm not really expected at Imperial until the 9th or 10th. I had hoped to take care of some personal business in Alberta before reporting to Imperial on Monday morning, 11 June. I certainly don't want to put Mike to any trouble--I imagine I might be quite annoyed at having to pick up some gink at the airport in the middle of the night like that. When I get this letter back from Vesta, I will scribble the flight number of my arrival along with

the time on the bottom, and if one of you can conveniently make it, fine, if not I will simply take a taxi cab. Hoping that this is not too confusing or annoying, all down the line, and with best wishes to Ruth, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Esbeck

Fidelity Onion Skin

100% COTTON

5/19/75

Dear Al-

You seemed in so much of a hurry to receive a reply to your letter of 11 May that I didn't feel I had the time to proofread it correctly.

Upon re-reading my copy, I notice that the secretary screwed up your address slightly.

If you have not received my letter of 17 May by the time you receive this one - please let me know.

Sincerely,
Bob

JUNAY

ROBERTSON RESEARCH (NORTH AMERICA) LIMITED

DIRECTORS: J. C. ROBERTSON, D.L. DR. R. H. CUMMINGS R. W. L. OLDROYD

May 17, 1973.

Mr. Alfred Traverse,
Organic Sediments Lab.,
514 Deike Building,
University Park, Pa. 16802,
U.S.A.

Dear Al:

Thank you for your letter of May 11th. I do not know what constitutes a high quality joint on your classification scheme, so I made reservations for you starting the night of June 7th at the Blackfoot Motor Inn. This is a very nice place about five minutes by cab from the Imperial Labs. The price is \$15.50 per night. I know I can find a much cheaper hotel if you don't mind being kept awake all night by the grunts and moans of some Metis whore in the next room. Be that as it may, if the Blackfoot prices are too steep, let me know and I will cancel your reservation and look elsewhere.

If you're coming in on the evening of June 7th, I might not be able to meet you at the airport. I got involved in an amateur theatrical group and we rehearse Thursday nights from about 7:30 p.m. to 9:30 p.m. If you are arriving before 6 or after 10, or on any other night, I should have no trouble picking you up. If I can't make it, Mike said he would be willing to meet you at the airport.

You can do me a favour. I'm getting my thesis in shape for publication and would appreciate having a set of my plates. Would it be possible to have Don print a set and for you to bring them to me?

Bruce wrote me some time ago that he was going to collect more Triassic localities. I have slides from the Shuttle Meadow, Portlandt, Vinita, Cumnock, and Watchung Formations. If you have other localities, and are willing to part with slides from them, I would be very appreciative of receiving them. We're attempting to build up an adequate Triassic reference collection.

Looking forward to seeing you again - best wishes to Betty.

Sincerely,



R. E. Dunay.

May 11, 1973

Dr. Robert E. Dunay
Robertson Research Ltd.
501 Cleveland Crescent S.E.
Calgary, Alberta
Canada

Dear Bob:

In connection with some nomenclatural work I am doing in collaboration with Smithsonian, I propose to spend about a week in Calgary, mostly with Jansonius. However, I plan to arrive a little ahead of time in order to get my feet under me before I start the work. I have not made plane reservations yet, but I propose to arrive on June 7th, presumably in the early evening. Is this a day that you would be available to meet me at the airport and possibly assist me in finding suitable motel in the general neighborhood of the Imperial labs. Jansonius sent me a nice list of such places, but I just phoned the most promising one, and they said they were going out of business, so that I feel a little bit shell-shocked about trying to arrange this by long-distance phone. I think I'll just arrive and have you give me a little assistance in finding an appropriate spot. I am writing, of course, to be sure that you and Ruth will in fact be in town at that time.

I hope that you will differ from your usual pattern of silence and response to this letter promptly! Best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

Juray. Phone conversation. 5-14-77

~~1977~~
~~1977~~
~~1977~~

Acc. to Fisher
+ Juray: Shuttle Meadows -

no Chrysopsis Saxatilis?

∴ Rhachis?

Rayle - Palaeontol. 1969-71

has good paper on Circinipollen
group.

March 9, 1973

Dr. Robert E. Dunay
Robertson Research Ltd.
501 Cleveland Crescent, S.E.
Calgary, Alberta
Canada T2G 4R8

Dear Bob:

You~~r~~ presumably have received the "Dear John" letter from Perkins by now. I enclose a copy of my response. I believe the comments of the reviews are substantially correct, though more severe than circumstances warranted.

This is to some extent a black mark^k for both of us. In my opinion it is very important that you try to redo the whole thing, if possible, giving species lists, increasing sample coverage (if possible), etc., and re-submit the paper to, say, Micro-paleontology, as soon as possible. I would be happy to comment on the MS editorially~~k~~, but I think Michael is on the scene and could do you more good anyway. It would probably be more appropriate to list my "contribution" in the acknowledgements of the revised paper and not make me co-author. I am sorry I did not ride herd on the original paper more effectively--I~~was~~ vaguely uncomfy and should have made more of a issue of it. Live and learn. Let me have your reaction when you can.

Best regards to Ruth.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi
Enclosure: copy of letter to Perkins

January 5, 1973

Dr. Robert E. Dunay
Robertson Research Ltd.
501 Cleveland Crescent, S.E.
Calgary, Alberta, Canada T2G 4R8

Dear Bob:

Thanks for yours of 27 December. The copy for Ash has gone out. I am taking a set of the thesis plates for Mike to Baton Rouge. Speaking of the plates reminds me that I think we (?) made a poor decision in having them half toned. Continuous tone negatives would make much better plates and unless the publication which might eventually result were to be done with exactly the same figure placement and so on, there is no advantage of having them half toned anyway. Furthermore, most publications won't accept a half tone because then they feel they have to make a half tone out of the half tone! I am indeed looking forward to the Baton Rouge thing although it certainly comes at an inconvenient time this year. I mean it's about a week later than usual, and this fouls us up as far the palynology course is concerned here.

Best wishes to you and Ruth for a happy and prosperous 1973, during the course of which I hope that we will run into you somewhere or other.

Yours very truly,

Alfred Traverse
Professor of Geology

AT/vsi

27 December 1972

Dear Al,

A thousand apologies for not writing sooner. No, I'm not mad at you, it's just that I haven't had the time to fulfill most of the requests you made re my thesis photos. For one thing, I see no reason why they cannot be kept at Penn State permanently. I only ask that prints be made available to me the few times I request them. Concerning the scales of the negatives, on the front of each negative file, or in some cases, on the record flap, I have noted the objectives utilized in the photography - it should say 20X or 45X. Those which are not so marked were taken under oil.

My thesis arrived safe and sound. Thank you for taking care of that matter ~~for~~ me. I'm sorry that money could not be found to bind it, but I hear that you people are undergoing a financial crisis, and this small inconvenience that these events have caused me cannot even be compared what happened to Betty or Dotty. I only hope that matters will ameliorate and that everyone can be hired back.

Thanks also for sending a copy to Ash. For all the favours he has given us, he certainly ~~deserves~~ a copy. Also, would you please send a set of photographic prints of my thesis plates to Mike (or give them to him if you're going to Baton Rouge)? He has a copy of my thesis, but with xeroxed plates, which are, as you can imagine, quite useless.

I certainly hope you are going to Baton Rouge. Mike's presentation, at least, is going to be damned good, and anybody interested in Triassic palynology should make it his business to attend.

Please write when you get the chance, and regards to Betty.

Sincerely,

Bob
Juray

November 6, 1972

Dr. Robert E. Dunay
Robertson Research, Ltd.
501 Cleveland Crescent, S.E.
Calgary, Alberta
Canada

Dear Bob:

Many thanks for the negatives and for the return of the Alberta natural history book which Mike Fisher turned over to me in Rhode Island. I haven't had a chance to check out the negatives yet and would appreciate hearing from you what you propose I should do as far as permanent disposition is concerned. I don't have the notes which go with them, do I? So I can't determine magnification and so forth. I would think if I could make a series of prints of the ones I am especially interested in at a known magnification--500 or 1000, there would be no reason why you couldn't keep the negatives permanently if that's what you want to do. Related matter: I just finished consolidating the raw samples you left behind. Few of them have nos. which agree with nos. in your thesis--could you provide a xerox of appropriate notebook pages or whatever?

Now, regarding the binding of your thesis, I suppose there is a good chance you will be annoyed with me about this. There is no longer any spare money lying around--in fact, I had to cover a good part of the Rhode Island trip myself, as did Tate and the graduate students. I paid \$100 out of my own pocket. In short, two copies were bound. One will go to the National Science Foundation and the other will be our permanent copy here. I am sending you a temporarily bound copy including the original illustrations. You can have it bound in Calgary if you wish. I don't believe that the holes which presently exist in it will be any barrier to it being bound. The other copies I am keeping here but, of course, will be willing to ship them to persons who may be on your mailing list for same. I would think, for example, you might want to send copies to potential publishers such as the Texas Survey. But, in any case, I see no reason why they should be mailed more than once. Another thought is

Dr. Robert E. Dunay
2

-2-

November 6, 1972

that you might wish to have additional xerox copies made in Calgary of the original copy which you're being sent before you have it bound. In any case, I do hope you will forgive me for being unable to fulfill a promise which I realise I did make. I would have to pay for it out of my own pocket, and I don't think you would want that.

Best wishes to Ruth and keep the cheery messages coming.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

P.S. I am shipping the thesis mentioned above under separate cover, of course. It was good to see Mike and especially to have him chat with Bruce.

October 11, 1972

Dr. Robert E. Dunay
Robertson Research, Ltd.
501 Cleveland Crescent, S.E.
Calgary, Alberta
Canada

Dear Bob:

Perhaps I will be seeing you in Rhode Island, which would obviate the necessity of this letter though I do welcome a chance to tell you that we miss you.

The purpose of this letter is to ask if I may borrow the negatives from your thesis material. It suddenly occurs to me that I have no copies of the original pictures at all excepting for the cutout ones on the plates, of which I have photographic copies. I will have a batch of prints run up from the ones in which I am interested and then return the negatives to you. Perhaps in the long run future you would like to consider the possibility of depositing the thesis negatives here along with the slides on which you designate your types for publication purposes.

Hope all is going well with you.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

GRANDE

Dear Al,

10/7/72

Calgary Post Office
Made in Canada
9 PM
7 X
WIL
ALTA



Sorry for the delay in writing. Things are going very well here - I've been working on U2-L. In sections of some arctic wells - so I'm right at home. Ruthie decided to apply some of her ancestral birthright + got a selling job at Eaton's. With the Rockies 70 miles away and Canada's largest zoo 15 blocks away things couldn't be better. Sorry about your Alberta book - I'll get it in the mail today - Have fun in R.I. and regards to Betty

Dist. by United News (Wholesalers) Ltd., Calgary, Alberta

Dr. Alfred Traverse

809 Cornwall Rd.

State College, Pa.

16801

Bob Junay

CALGARY, Alberta, Canada
The Calgary Zoo, St. George's Island
GRANT & GERDA - Grant's Zebra - Can be seen in the paddocks on the north side of the river - St. George's Heights.

Traveltime
PRODUCT
LSZ-3720

USA

file

August 4, 1972

Dr. David R. Gardner,
Chairman, Dept. of Physics & Geoscience
Montgomery College
Rockville, Maryland 20850

Dear Dr. Gardner:

Thank you for your letter of 25 July regarding information about my student, Robert E. Dunay. Mr. Dunay recently completed the requirements for a Ph.D. degree under my direction. He has been a student with me here about four years, one of which he spent on a Fulbright fellowship in Austria, studying some of the Triassic type localities in connection with his thesis work. I believe that I know Dunay pretty well, because I seldom have more than two or three graduate students at a time, and we spend quite a bit of time in the field together. Dunay is a very intelligent, resourceful scientist who did, for example, one of the most outstanding jobs on the comprehensive examination for the doctorate of anybody who we have ever had here. He is dependable, hard working, and imaginative. He is personally agreeable, a good teacher and speaker, and I think would get along well in any college faculty. His relationship with other people is generally good, and his wife, Ruth, is a real asset to him in his academic endeavors--she is herself an academically oriented person. The only reservation I could express in connection with a position at your college might be that Bob could conceivably find it frustrating if no opportunity exists for him to do research. I believe that he would understand clearly that your commitment is primarily teaching, but it would be difficult for him if there were absolutely no opportunity to carry on a program of research in our branch of geoscience. Nevertheless, Bob is a good teacher and would be very stimulating to your students in the area of earth science. I recommend Mr. Dunay most heartily to you. If in any way I could provide further and more specific information, do not hesitate to call.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

file

April 24, 1972

Dr. A. Ray Jennings, Chairman
Department of Geology
East Carolina University
Greenville, North Carolina 27834

Dear Dr. Jennings:

Recently I wrote you in support of the application for the position you have open in "paleontology-paleoecology" of Mrs. Anne Garihan. It now develops that one of my own graduate students has an interest in the position. I had thought this man was committed to another position, but he tells me he would very much like to be considered for the job you have open. His name is Robert E. Dunay, and he will be getting a Ph.D. degree at the June commencement. He came to me about four years ago and has been working on a research project in the Triassic of northwest Texas under my direction, in connection with a National Science Foundation supported project I have had in that area. The preliminary report on the work was published in Geoscience and Man last year. Bob Dunay is one of the most able graduate students we have had around here and I think I can take justifiable pride in the way he has responded to the training I have given him in palynology. He was a very well trained geologist before coming here and is well versed in all aspects of paleontology, apparently having been given very good training in that area at CCNY. I don't recall anybody doing a better job on the paleontological aspects of the qualifying and candidacy exams here than Dunay did. Last year he spent in Austria, working at the Geological Survey in Vienna on Triassic palynofloras of the type Triassic areas in Austria, and a paper based on that work is now in press in Geoscience and Man. His thesis work has been very distinguished and will make the basis for several very high quality publications in the fairly near future. Bob is a good field man, is highly motivated and intelligent and speaks very well. I don't believe that he has too much experience at teaching, but I would judge from the way he has presented papers at national scientific meetings that he would have no problems in that area. I have always

Dr. A. Ray Jennings

-2-

April 24, 1972

found Bob to be good company and I am sure that he will blend well with other people wherever he goes. Withall, he is a well trained and capable geologist who should be highly productive in the years to come. He has won several awards for academic excellence since being at Penn State, including the Fulbright scholarship for study in Austria, election to Sigma Xi and is really a first class student. As to his research interests in connection with your announced speciality requirements, he is absolutely on center and would from that point of view make a much stronger candidate for the position than Mrs. Garihan.

Best wishes to my friends in Greenville,

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

June 3, 1971

Dear Prof. Traverse;

Thank you for yours of the 28th. I appreciate very much your inquiry regarding registration, as well as your permission to have NSF Triassic pay the freight charges on the samples. Indeed, you have taken a large burden off my mind. In regard to your query, I shall be more than happy to contribute splits of all my fruitful samples (10 definite + 30 probable), as well as any material Dr. Fisher gives me. He wrote that he would give me cuts of his Triassic material.

It is indeed unfortunate that I can spend only one week in England. The Fulbright Commission here in Austria is very strict concerning travel outside this country. As it is, they are docking me for the time I spend in England. During last winter, it might have been possible for us to visit Dr. Fisher for a longer period. However, he preferred the visit to take place in early summer.

Regarding the paper for AASP - I would have liked to talk about the microfloras of the different biofacies I encountered, from supposedly deep water Ladinian thru terrestrial Carnian, to marine Carnian. Or, I could compare the flora of the approximately contemporaneous coal-bearing facies of the Lunz, with that of the Dockum. I have no objections to you being junior author; in fact, I'm all for the idea. Tomorrow, I shall write Dr. Smiley, informing him of our intentions.

So, hopefully, Ruth and I shall pass through the gates of State College on June 28. I'll see you then.

Sincerely,


Robert E. Dunsy

P.S. Thank you for conveying that message from our plants. Please inform them that Ruth misses them very much, and is eagerly looking forward to the impending reunion.

May 28, 1971

Mr. Robert E. Dunay
1010 Wien I
Goelsdorfgasse 2/II/V/22
Austria

Dear Bob:

This is a hurried response to yours of 23 May, which was hand-delivered to my home "durch Eilboten". I do hope that you will be able to accomplish what we had in mind while you are in Britain-- it does seem as if you have left very little time for that part of the trip, but with luck you should be able to see everybody. Certainly Fisher and Chaloner are the two most important stops.

You will be quite all right as to registration, providing you arrive here on or before June 30. Since you said you ought to make it on 28 June, I see no reason to be distressed.

With regard to the samples, if the expense is about \$60 as you say, I think there is no question but that NSF Triassic could pay the freight. I will expect, naturally, that we will get a small split of the samples for our permanent collections, as well as the usual cut of maceration residues, and slides. (If somebody had started such a policy long ago, Penn State would have an outstanding reference collection, eh?)

I do believe you ought to plan attendance at the AASP meeting in October in Tucson. I expect that you and I (and perhaps one or two others) will drive out. The call for papers has indeed already gone out. You should send a title and a brief description (not a true abstract) of what you would propose to say to:

Dr. Terah L. Smiley
Department of Geosciences
University of Arizona
Tucson, Arizona 85721

If you wish to list me as junior author in anticipation of some kind of contribution I might make, I think that it would be quite appropriate. I believe your paper ought to try to tie something from the Texas work into it, at least in anticipation of getting such a tie-in. If you do, it will make justification of the trip much easier.

Gotta rush. Looking forward to seeing you and with best wishes to Ruth, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

May 23, 1971

Dear Prof. Traverse;

Thank you for your letters of April 27. As the time for our return is fast approaching, perhaps I should go into the details of our journey back across the Herring Pond. I shall leave Vienna for London on June 19. From there, I'll go by rail to North Wales to confer with Dr. Fisher. I have a copy of his invitation for you somewhere; I'll give it to you in person in a few weeks. Then I'll return to London and try to see Prof. Chaloner. I'm looking forward to both of these meetings; they should prove to be very rewarding. Unfortunately, there will probably not be sufficient time to visit Cambridge, but, of course, I'll try. I am booked on a flight to New York City on June 25. Hopefully, I'll arrive safely on the shores of the New World in early afternoon, EDT. As I haven't seen my parents for almost a year, I will have to spend some time with them, but I'll try to keep it as short as possible. So, Penn State should see me on June 28. Many thanks for being able to support me for the Summer term; I appreciate it very much.

Ruth is returning separately. She is taking a student charter flight direct from Vienna to New York City. She will arrive there, hopefully, on either June 25 or June 30, depending upon which flight she can get.

My first task upon arriving will be to register. On this procedure, I am a bit hazy. Specifically, I am not sure if I shall be in time for late registration. If I am, there is no problem. However, if I am too late, I think I must have special permission from Dean Hosler to register. Please, if it is possible, I would appreciate a few inquiries into this matter. It would put my mind at ease. In early May, I wrote to the Graduate School concerning this matter; but as of the above date, I have received no reply.

Dr. Ruttner and I have just returned from the field. We collected extensively the Ladinian and Carnian of the Lunz nappe. Our sampling program consisted of collecting the different palynomorph-bearing facies of the Reiflinger Kalk, Lunzer Schichten, and Opponitzer Kalk in the region around Lunz and Ganing, Lower Austria. More specifically, we sampled the shaly intercalations within the limestones; some of these proved to be palyniferous. Also, we completely sampled the Lunz beds, from the boundary of the Reiflinger, through the coal measures, to the upper boundary with the Opponitzer. Some of the coal-bearing horizons were rich in plant megafossils. With this last trip, I now feel I have adequately collected all the facies possible. I also collected some shaly intercalations within the overlying Hauptdolomit (Norian) of the underlying Frankenfelser nappe. If this material proves to be palyniferous, I shall have a complete sequence from the Ladinian to the Norian. I also collected some time ago the Ladinian to Norian stages in the vicinity of Vienna, with the aid of Dr. Flochlinger, a Survey stratigrapher.

I find the palynology of this area quite exciting, and I know that it can shed a good deal of light on some of the paleoecological and stratigraphical puzzles here. I'll give you specifics in person. Director Ruttner wanted me to stay on for the summer, in order to research the middle and upper Triassic throughout Austria. Correlation through palynology would be a major contribution to alpine stratigraphy,

Hunt Institute for Botanical Documentation

as ~~the~~ extensive thrusting has all but obliterated the original relationships of the sediments. I recieved a Fulbright grant extension for the summer toward this end. However, I decided to return home. Someday, perhaps, returning to do this work will be possible. But, I feel I should have my degree before undertaking such a project.

It will be impossible for me to macerate many of these new samples here in Vienna. With the primitive facilities here, I would only be able to process a few samples in the time remaining. Add to this my fears of sample contamination due to sparse and rudimentary equipment and the lack of such basic cleaning implements as paper towels. Further, the Survey is quite busy and crowded, as they are hosting some meetings next month.

Important!!

Now, the reason for all this bellyaching. I must transport approximately 70lbs. of rock samples back home. I could send these via ship, but the freight office here told me that they would not arrive until October! This is unacceptable to me, as I must macerate the new samples as quickly as possible, as well as re-check a few others. The only other alternative is air freight. The catch here is expense, about \$60. I am hoping that you see fit to have the Triassic grant underwrite this expense. Within the context of your grant, this expenditure, to me at least, seems valid and justifiable. As you mentioned in your last letter, and I thoroughly agree, a comparison between the Texas material and this Alpine material should prove to be a significant contribution. These alpine palynofloras, of known age, could, I feel, greatly enhance our understanding of the Texas Triassic. I emphasize that I would not make this request if I didn't feel it absolutely necessary. Please inform me of your decision as soon as possible (via Special Delivery Airmail, if possible), as I must make the necessary arrangements within two weeks.

Now to the AASP meeting. It is unfortunate that I couldn't get to the last meeting. I'm really eager to attend and participate this Autumn. I will be more than happy to contribute a small paper regarding my work here in the Northern Calcareous Alps. However, I have not recieved any material from AASP yet. Has the call-for-papers been circulated already?

Our stay in Austria has been very rewarding, both from the professional and personal standpoints. Yet, we are both happily anticipating our return. It will be good to get back to Deike. See you, hopefully, in about six weeks,

Sincerely,

Bob
Robert E. Dunay

April 27, 1971

Mr. Robert E. Dunny
1010 Wien I
Goelsdorfgasse 2/II/V/22
Austria

Dear Bob:

I am answering yours of 28 November, which has apparently been lying around all these months. I have recently had a big push on back correspondence and so on and have nearly cleared my desk. Unfortunately, I discovered some items that had deadlines back in January, but what's a deadline missed now and then. (Of course it will be embarrassing for me in the next international bibliography of paleobotany to be listed as "no report".) I am delighted to see in that letter that you're able to get some good field work and some good facilities. Of course, I have since heard more details and will look forward to getting more when you get back.

I also note with interest that you got a warm letter from Michael Fisher. I think it is an absolute must for you to spend some time with him. You said you would send me a copy of his letter, but I don't recall that I ever got it. If there are still problems regarding your late registration for the summer term and so on, be sure to let me know, but I seem to recall that that is now no longer a problem. Don't feel shy about contacting Professor Chaloner. He will be delighted to see you too, and your visit to Britain ought to include a visit to Cambridge if that were possible. The order of priority certainly would be (1) Dr. Fisher, (2) Prof. Chaloner, (3) Prof. Hughes and the other people at Cambridge.

It seems to be obvious that I also never responded to the P.S. in your letter of 28 November, regarding the Old Catholics. They are in full communion with the Anglicans (that means us!). Their history is somewhat complex (I can show you a book I have about them

when you get back), but basically the story is that they represent mostly people who could not swallow infallibility per Vatican I of 1870. They pulled out, including some bishops, so that they have valid orders. They are all in communion with the Old Catholic bishop of Utrecht in Holland, and they are as Catholic as they can be. If I should ever be so lucky as to spend a sabbatical in continental Europe, you can bet it is they with whom I will have most in common! Except for innovations which the Roman Church introduced in the 19th and 20th centuries (Infallibility, the Assumption, Immaculate Conception, as articles of faith), they do not differ markedly from Roman Catholics. They do have Mass in the vernacular, married priests, and communion in both kinds. It looks as if within a very few years eventhese latter practices will not separate them from Rome--or from us!

Not much really new here. I am in the midst of the historical geology thing, having completed palynology with the best group I have ever had (and the largest--15). Among other things, several of them got unknowns from Triassic materials I obtained from Prof. Ash in Utah. He had collected them in Arizona, New Mexico, and Texas. Several of them are simply loaded with spores. I also gave a subsample from our locality on the Masten Ranch, and the student got some things that I don't remember your getting and produced a really very nice report, of which I have made a copy for your edification on your return.

Best wishes to both you and Ruth. Looking forward to seeing you before too long, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

April 27, 1971

Mr. Robert E. Dunay
1010 Wien I
Goelsdorfgasse 27II/V/22
Austria

Dear Bob:

Woops--I just realized that I haven't responded to yours of 23 March either. I was delighted to see the xerox copy of your offer of a job. They certainly have put their heads on the chopping block by putting something in writing. Much less devious than gentile outfits would be. I certainly hope that some day you can make good on your promise to try to work out a tour over there for me. I would be the envy of two-thirds of the clergy in this diocese, not to mention a "our idiot Secretary of State". I'm unclear whether you refer to Mr. Rogers or Mr. Eban.

Horowitz has been in correspondence with me and several times has mentioned the possibility of coming here to work. That reminds me that there may be somebody at the Israeli Survey who will have it in for you. I had a letter several months ago from one of the scientists at the Survey asking about the possibility of enrolling here as a graduate student. He stated that he had an agreement with the Survey that they would take him on as palynologist if he could get a Ph.D. at Penn State on the subject. I have his name tucked away somewhere but can't seem to recall it at the moment.

I think that you ought to find some way to combine the results you get from studying the Austrian Triassic with what you find from the American Triassic as part of your thesis. In other words, I would be (as a first approximation anyway) opposed to your considering the paper for the Austrian Geological Survey one thing and your thesis another thing, compartmentalized, but we can discuss that more when you get back.

I have passed on the information about your planning to be here in the summer to Jane Dolsen. It creates no problems because my Triassic project was intended largely for the work that you will be doing. You probably ought to submit a paper for the AASP meetings in Tucson in October. The deadline for title and so on is something you will have received from the AASP. I think that an ideal subject would be something about your studies in Europe.

Carry on!

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

April 8, 1971

Mr. Robert E. Dunay
1010 Wien I
Goelsdorfgasse 2/II/V/22
Austria

Dear Bob:

Enclosed is information about your "election" to Phi Kappa Phi. It is obvious to me from the way they handle their elections that the honor is not all that great. For that reason, and because Sigma Xi and Phi Kappa are where the action is, I would not advise you to spend your \$20, but the decision is naturally up to you.

Best wishes to Ruth and you. We are really looking forward to your return. Floreat Trias.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi
Enclosure: "election" information

March 23, 1971

Dear Prof. Traverse;

I just recieved your latest letter. Thanks for informing me of that practical joke. It's quite true, tricks such as that can get out of hand. Just to show you how far this thing has gone, enclosed is a photostat of a letter I recieved! Can you imagine it!! However, if this were true, I would try my darndest to arrange a lecture tour for you there. Between Hebrew University, Tel Aviv University, Weizmann Institute, and the Survey, I'm sure something can be worked out. However, if you desire to see all the holy sites, please say a prayer for Golda Meir. If she should give in to our idiot Secretary of State, half the holy places will revert back to the Heathen.

Yes, Israel does indeed have a Geological Survey, a former army installation in new Jerusalem. I saw Gil Brenner there - he sends you his warmest regards. He and his wife took us around Jerusalem one day; we also spent a pleasant evening at his house. He's working on the Cretaceous palynomorphs of Israel; he seems to think it will be a major contribution. I don't doubt it. The Survey is a veritable palynological gold mine. The Survey houses a huge supply of cores, very few of which have been looked at - this is particularly true of the Lower Mesozoic material. A fellow named Horowitz, now with the Archeology Dept. of Tel Aviv University, used to be palynologist at the Survey. I got the feeling that either his work wasn't liked, or that he didn't work enough. Well, he is a Quaternary man. The Survey has tried to persuade Brenner to stay, but to no avail. So, I was in the right place at the right time. They were desperately looking for a pre-Quaternary palynologist with a pre-Aptian-Albian Mesozoic speciality. Me!!!

Things here in Austria are shaping up fairly well. The Director finally gave me access to his Lunz Formation samples. Unfortunately, most of his specimens are sandstones, which were to be used for petrographic studies. However, there are about 40 hopeful specimens - shales, coals, coal balls, and some excellent looking underclays. Probably, in May, we shall go out in the field for some more collecting. I am, however, having significant problems. The manner in which the lab is organized makes quick processing impossible. Also, unlike home, I cannot use the facilities nights and weekends. Thus, unless I can get the technician here to help, I'll be doing nothing else but processing samples. The technician, like most of the breed, has showed a decided lack of enthusiasm for acquiring extra work. So, I am pessimistic about recieving any significant help. It probably wouldn't matter anyway, as there is only one professional biological microscope, and that is being used. The model I work with is inadequate for taxonomic determination, let alone for microphotography. Add on to this the fact that the Director wants very much to have my research published as quickly as possible by the Austrian Geological Survey. So, I envision myself working 80-90 hours per week at Penn State this summer, alternating between my thesis and this paper. Oh well! I guess I'm healthy enough, and Deike is air-conditioned.

Speaking of my return, it looks like it will be around June 29. So please inform Jane that I'll be around for the Summer Term. As I will be registered next term, I cancelled the Spring Term Off-Campus Ph.D. Research that I had registered for (the cards I sent you). According to University regulations, I don't have to register for the Spring if I

register for the Summer. And the \$25 fee I said will go a long way here in Vienna. I'm leaving this place June 19. I intend to fly to England and spend five days with Dr. Fisher in Wales. Or, atleast I hope so - I haven't heard from him since the beginning of the British postal strike. I'll write him again this week.

So, I'll get back to work now. Ruth sends her regards, and although we are both enjoying ourselves here, we are looking forward to returning to you all.

Sincerely,

Bob

מדינת ישראל

STATE OF ISRAEL

The Geological Survey of Israel
Ministry of Development

Jerusalem, Feb, 21st 1971

Ref. _____

Dear Mr. Robert Dunay,

In reference to our conversation on the February 21st 1971,
I am glad to inform you that your application for a job with the
Geological Survey in Jerusalem is accepted.

We are glad to offer you a job as a palynologist. We expect
you to arrive in Israel and take up your position in June 1972.

Sincerely yours,

E. Zohar

E. Zohar

Director of the Geological Survey
of Israel

cc/ Mr. C. Makovsky - Bureau of Professional Placement

March 15, 1971

Mr. Robert E. Dunay
1010 Wien I
Goisrdorfgasse 2/II/V/22
Austria

Dear Bob:

I just thought that you should know that some fellow claiming to be you is writing supposedly funny letters around in which (ha-ha) he claims that he has taken some sort of a job in Israel. I must admit that it is an original joke, but it must be very irritating for you. I suppose whoever it is is trying to poke fun at how difficult it is to get employment in the United States at the present time, but-really, this is carrying a joke too far! What the man doesn't know, of course, is that I am quite well acquainted with the real Bob Dunay, and I am sure that he wouldn't be swept off his feet by any such romantic notion. On the other hand, if there really is such a thing as a geological survey in Israel, and if they really did want a palynologist, it might be a rather interesting idea, eh? I can just imagine being invited to give a seminar over there, all expenses paid, in four or five years and being the envy of all ~~of~~ my clergy friends because I was getting a free trip to the Holy Land. What fun!

Well, enough of this folderol. I just thought you should know that some imposter is spreading this sort of story around. You probably better not tell Ruth, or it might put ideas in her head. Let's get back to work. All best wishes as always.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

R. Dunay 2/25/71

242
P 975 Palmyra - View through door of a tower tomb.

CARTE POSTALE

Dear Prof. Traverse

25.2.71
It is difficult to believe that the places one reads about in the Bible exist - But they really do!! Jericho, Bethlehem, Nazareth, Gethsemane, the Stations of the Cross, the Second Temple, and Galilee are all actually there!!

This card, dating from 1921 is from the oldest batch of postcards printed of Jerusalem, they were published by a group of Americans living here. Regards from Antly, Bob

778 J-
4
28.2.71



R. Dunay File

Prof + Mrs. Alfred Traverse

809 Cornwall Road
State College, Pa.
16801

U.S.A.





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ISRAEL

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TELEX: 02-362

FEB. 25, 1971

DEAR PROF. TRAVERSE,

PLEASE TAKE THIS LETTER
AND SIT DOWN IN A STURDY,
COMFORTABLE CHAIR.

THEN PLEASE CONTINUE...

File: *Janay*



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HAVEN'T YOU ALWAYS
WANTED GOOD FRIENDS IN
THE HOLY LAND?



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TELEX: 02-362

YOUR WISH MAY COME TRUE.

LATE FEBRUARY IS SEMESTER BREAK
TIME IN VIENNA, AND TO ALLEVIATE
THE COLD STING OF WINTER, WE
HOPPED A STUDENT FLIGHT TO
ISRAEL.

IN JERUSALEM, I STOPPED INTO THE
GEOLOGICAL SURVEY; AND WITHIN AN
HOUR, I HAD THE POSITION OF RESEARCH
PALYNOLOGIST THERE (GIL BRENNER'S
PRESENT POST - HE'S RETURNING TO NEW
PALTZ THIS SUMMER). THE GEOLOGY
DEPT. OF THE HEBREW UNIVERSITY IS
INTERESTED ALSO IN HAVING ME TEACH
PALYNOLOGY THERE.

SO, PRETTY GOOD NEWS, EH!

OF COURSE, THIS IS INCUMBENT UPON
MY DEGREE. THUS, I'LL BE BACK IN
431 DEIKE, HARD AT WORK, MUCH EARLIER

Hunt Institute for Botanical Documentation



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JERUSALEM

ISRAEL

TEL. 8 2421 (3 LINES)

CABLE ADDRESS: AMCOL

TELEX: 02-362

THAN I ANTICIPATED (IN VERY EARLY
JUNE, I HOPE). I HAVE ABOUT A
YEAR FROM THEN TO COMPLETE
THE DISSERTATION

I AM VERY THRILLED BY THIS—
IT IS SOMETHING I PERSONALLY
WANT VERY BADLY, AND I HOPE
THAT YOU WILL BE HAPPY FOR
ME.

SINCERELY,

Bob

February 18, 1971

Mr. Robert E. Dunay
1010 Wien I
Goelsdorfgasse 2/II/V/22
Austria

Dear Bob:

Just to keep you posted, there are two forthcoming meetings which have a direct bearing on our joint Triassic research, and there is a good chance I won't be able to attend either one! The first one I know I can't attend--it's a conference on the Triassic of North America to be held in Pittsburgh on April 2nd. I will be at the AASP mid-year Executive Committee meeting in St. Louis at that time. Obviously, you won't be able to attend either, but we had better put it into the back of our minds that such a thing took place and try to find out something about the results of it. It's just a darned pity that I can't go to "look out for our interests". The other meeting is a possibility for me but only a slight one. That is the "1971 International Permo-Triassic Conference in Calgary, 23-26 August, 1971". I have just a notion to throw up my plans to attend the International Conference on Palynology in Novosibirsk in order to attend this thing. There is a good chance that the trip to the USSR will fall through anyway, and I will have lost nothing. I suppose it is unlikely that you will be back on this side in time? You might wish to write for information about this session directly so as to cut down on the middle-man time. The address to write is Dr. A. McGugan, Geology Department, University of Calgary, Calgary, Alberta, Canada.

Seems to me it has been quite a while since I have heard from you about your progress and about the interesting things you are finding. I was just thinking the other day how nice it's going to be when I get that lovely set of samples of Permian and Triassic, each nicely labelled, neatly bottled, etc. etc.

Mr. Robert Dunay
February 18, 1971
Page 2

And I do hope you get home before all your plants died. I regret to inform Ruth that the specimen of Cocos nucifera reached the end of its toleration of the cupful of soil which was available to its root system, and expired. I can report from my experience in Houston that coconut palms are not easy to raise under the best of circumstances. They sprout, yes, but... In any case, my heartfelt condolences. The remains were given a decent burial. Best wishes to both of you.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

1010 Wien I
Goelsdorfgasse 2/II/V/22
AUSTRIA
February 10, 1971

Prof. Alfred Traverse
517 Deike
University Park, Pa. 16802

Dear Prof. Traverse;

Right now I am at a loss for words. Both Ruth and I were shocked and saddened to hear the news of the passing of your father. After such a loss, it takes quite a while to again find importance in the routine tasks and rewards of everyday life. We know, as, if you recall, Ruth lost her father exactly one year ago tomorrow.

Thus, it is hard to start to write about such mundane things as my research. Very briefly, the work is progressing very slowly, but with success. The shales of the lower portion of the Lunz beds have a varied and well preserved flora. This is especially true of samples 1, 2, and 7 (see map and cross-section from my previous letter). Sample 7, the lowest sample, has a mixed marine-terrestrial assemblage; whereas the other two samples are strictly terrestrial. This is to be expected. Samples 3, 5, and 6, which are calcareous, fine-grained sandstones, have a very sparse palynoflora. I suppose this is a function of particle size. The assemblages from the shales differ from Bharadwaj's coal assemblage, in that my floras contain a decent number of bisaccate grains. In a few weeks, Dr. Ruttner is making available to me all of his Lunz samples. This is very important, as he has made collections from now-abandoned and inaccessible coal mines.

I have one favor to ask. Enclosed please find my registration cards for the Spring Term. As with the preceding two terms, I am registering for Geol. 611 (Off-Campus Ph.D. Research). Please sign the #2 Card and enter the sched. entry number of Geol 611. Then merely have one of the secretaries take these cards over to the Graduate School in Williard (Rm. 105, I believe; but don't quote me). That's all there is to it; I handle the fees from here.

I'll close now. Please write at more length when you get the chance; I'll do the same. And again, please accept our deepest sympathies.

Sincerely,

Bob

Robert E. Dunay

P.S. Thank you for nominating me for Sigma Xi. I certainly hope I am accepted.

January 29, 1971

Mr. Robert E. Dunay
1010 Wien I
Goelsdorfgasse 2/11/V/22
Austria

Dear Bob:

This will be very brief and to the point--though I have read your various pieces of correspondence regarding what you are finding in the Permo-Triassic of central Europe with great interest! (More, More!) This is just to let you know that I have nominated you for membership in the Society of the Sigma Xi. Dr. Cuffy was kind enough to second the nomination, and I am hoping that you will be elected. I just didn't want you to be too surprised!

My father died about two weeks ago, and my affairs have been somewhat messed up ever since as a result, but I am starting to come out of it.

Yours with best wishes,

Alfred Traverse
Professor of Geology & Biology

AT/mdw

X-SECTION OF LUNZ BEDS IN VICINITY OF YBBS RIVER NEAR LUNZ, AUSTRIA

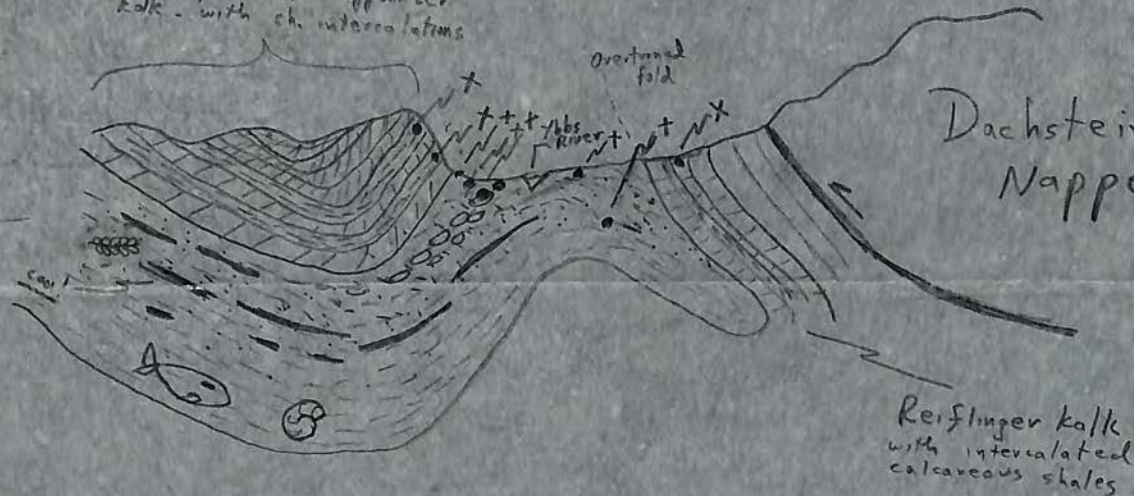
Bavarian
Nappe

Hauptdolomit & Oppanitzer
kalk - with ch. intercalations

Overtuned
fold

Dachstein
Nappe

Lunz
shales - with
progression upward
to more terrestrial
& coarser lithologies
Top of sequence
also marine -

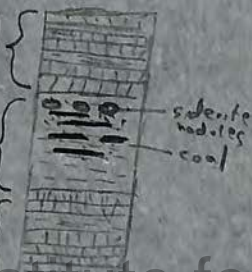


Reiflinger kalk
with intercalated
calcareous shales

NORIAN (Hauptdolomit
& Oppanitzer)

CARMIAN (Lunz, w/
coal)

LADINIAN (Reiflinger)



X - approximate location of
samples taken

December 15, 1970

Dear Prof. Traverse;

I promised in my last letter to give you a run-down on the project I am presently engaged in. So here goes:

The Lunz shales, Carnian in age, comprise the only terrestrial Triassic to be found in the Bavarian nappe, a rather extensive alpine nappe. It is very localized, being restricted to a small area approx. 150 km. ESE of Vienna. It is correlated with the Cardita shales, a more extensive, shallow water unit located farther west. The Lunz shales are conformably underlain by the Reiflinger Kalk, a Ladinian limestone unit. Interspersed within this limestone are some beds of black calcareous shales with a cephalopod fauna. Conformably over the Lunz beds is located the Hauptdolomit, ^{AND opposite sep. KALK} a thick, ridge forming dolomite, Norian in age. Again, within this dolomite, two sequences of black, calcareous (marly) shales are found. Thus, the Lunz beds represent a localized and very temporary emersion of land from the vast Triassic alpine sea. Indeed, the lower portion of the Lunz sequence is also comprised of shallow water, calcareous shales; with a rather interesting fish and cephalopod fauna. As one proceeds upsection, the terrestrial facies appear. At their lowest point, the ~~se~~ terrestrial facies is comprised of non-calcareous shales and silts. Typical Triassic plant fossils, as well as numerous plant fragments, occur here. The coarseness of the rock increases as one proceeds further upsection. However, in the whole sequence, ^{there is} nothing coarser than fine grained sandstone. The color of this sandstone, as well as all the other Lunzer lithologies, is dark brown to black. Within this coarser fraction, many layers of highly resistant siderite nodules are found. Throughout the terrestrial portion of the Lunz shales, small, discontinuous coal seams are also found. These seams are very thin and are of bituminous coal. These seams were mined somewhat until the end of the last war. The thinness of the seams made profitable ~~open~~ mining operations impossible, and thus the last mine was closed about twenty years ago. Unfortunately, all the mines are now inaccessible.

In the upper sections of the Lunz beds, near the boundary of the Hauptdolomit, the shales, silts, and sandstones once again revert to a marine character. The rock here is again calcareous with few or no terrestrial fossils.

So, last month, before the snows began to fly, I proceeded, with the help of Dr. Ruttner, to sample all the Ladinian, Carnian, and Norian lithologies that appeared to be palynologically promising (please see enclosed map).

As I explained in my last letter, the laboratory here is so set up that sample maceration must proceed slowly. To give one particular, they use only small glass centrifuge tubes. Thus, one must wait for a sample to settle out of HF without the benefit of centrifugation -- this takes at least 12-14 hours. However, I have processed most of the samples, and here is a quick rundown of the results:

It appears that the Ladinian and Norian shales, those interbedded with the Reiflinger Kalk and the Hauptdolomit, contain only a sparse, poorly preserved acritarch assemblage. No pollen or spores were found. This, I suppose, is to be expected in so obviously a marine

shale. The same was true for the more calcareous Lunz shales, both at the bottom of the sequence and at the top. The preservation here was even worse, although a handful of probable pollen grains were sighted. In the terrestrial material, I had better luck. In the shales and siderite nodules (I have not yet processed any coal) a spore and pollen flora does indeed exist. It appears to be comprised principally of Concavisporites-type, Cycadophycus-type, and Lunatisporites-type grains. Some bisaccates are also present; however, they are not very abundant. Thus, this material has something in common with the Texas material. This flora is not too well preserved, but still good enough to work with. I am, however, having troubles with the maceration. The material is filled with very fine to coarse organic debris. As the pollen is not too well preserved, it is quite difficult to eliminate this junk without damaging the sporomorphs. I have tried Shulze's Solution, but the pollen oxidizes. By boiling the material in 7% KOH for approximately 5 minutes, some of the organics disappear, without any damage being done to the sporomorphs. This improves the sample, but not by very much. Bharadwaj used 35% HNO₃ (and then 5% KOH) in his investigations of the Lunz coals. Perhaps I shall try this next. If you have any suggestions, please send them along, I would greatly appreciate hearing from you.

So, I will inform you of any new developments; and if you would like any additional information, please do not hesitate to ask.

Regards to your family, and our best wishes for a Merry Christmas and a Happy New Year.

Sincerely,

Bob Dunay
Robert E. Dunay

November 28, 1970

Dear Prof. Traverse;

I'm sorry I haven't written lately; this should not surprise you, though, for you know what a procrastinator I can be. Never do today what can be put off until tomorrow.

Soon after writing you last, I started my arduous search for working facilities. I went to see Prof. Zapfe, a paleontologist at the University. He once had a Fulbright to the U.S., and I felt that he would be inclined to help a present Fulbrighter. My hunch paid off, and he put me in contact with the Director of the Austrian Geological Survey, Dr. Anton Ruttner. This was a great stroke of luck for two reasons. First, the Director is an extremely friendly and helpful gentleman; he gave me permission to use the palynological facilities and to examine anything in the Survey's collections. Second, he personally mapped ~~around~~ the Upper Triassic at Lunz. These were the exact beds that I intended to sample. He knew the area well, and was very excited by my interest. He promised to place his specimens at my disposal and to take me on a collecting trip of the area. Last weekend he fulfilled his promise and the three of us (Ruth included) set out for Lunz. I took nine samples of shales, calcareous shales, siltstones, and siderite nodules. Some were taken from under 25cm. of snow (Oh, to be in Texas, now that November's here!). In my next letter, which will soon follow, I'll enclose a detailed description of the lithologies and a map of my localities.

I started to process the samples immediately. The palynological facilities at the Survey are approximately 15 years old. They occupy the servant's quarters of a former palace. The facilities are very adequate, although not near as modern as your laboratory. The only other people working there are the technician and a student of Prof. Klaus. The maceration techniques are basically the same, except that water baths are not utilized. The only inadequacies are the lack of safety facilities (no showers, etc.) and the impossibility of processing more than two samples at one time. Indeed, the lab is set up in such a way that the simultaneous maceration of even two samples is difficult. This I attribute to the slow, steady pace that personifies Austrians of every profession. But things do get done, and I was even given my own microscope and typewriter. Now to use that quarter gross of microscope slides I so optimistically brought with me!

I have thus far processed the calcareous shales. The results were disappointing; some poorly preserved acritarchs, and no pollen. As these particular shales are marine, I suppose this was to be expected. I will send you the further results (and the map) in my next letter. Also, have you any ideas on how to process siderite nodules? I can't seem to recall any special technique.

I recently recieved a very warm reply from Dr. Fisher. He seems very eager to see me. He has offered us splits of his material, lab space, time, and everything else I might need (I'll send you a copy of his letter when I can get it xeroxed). He invited Ruth and I to Wales in early Summer. He said this would be the best time. I don't anticipate any problems with the Fulbright people about this. However,

it might create some sticky problems for me back at Penn State. Specifically, I'll not be able to return in time for late registration for Summer term. I know that this can be dispensed with by the college dean. I do feel it is worth the effort; this will probably turn out to be a very valuable experience. I thank you for opening up this opportunity for me.

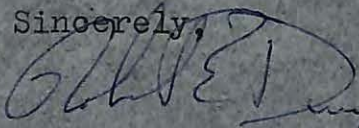
I haven't yet written to Prof. Chaloner. I'm a bit shy about writing him; but, indeed, I shall soon.

On the lighter side of things, my Harvard friend was united in matrimony with that most perfect of females, (?) a Radcliffe graduate (Please excuse me, B.T.) I was the official witness, due to my perfect command of this teutonic tongue (ha ha!).

I was sorry to hear about the Paly-Data project. However, I must confess that this appears to me to be a classic example of the cloud with the silver lining.

Ruth sends her best, and the best to your wife and children.

Sincerely,



Robert E. Dunay

P.S. There is a large number of Old Catholics here. I recall you saying something about them; but I cannot remember any specifics. Could you please give me some information concerning their specific beliefs, history, etc. I am quite curious.

November 3, 1970

Mr. Robert E. Dunay
1010 Wien I
Goelsdorfgasse 2/II/V/22
Austria

Dear Bob:

Thank you for your nice letter of 18 October, and all of its good news. By all means reciprocate the good wishes to Professor Klaus. I think I now understand why he was reluctant to have you come - probably embarrassment over the state of the facilities. My other "insights" were probably unfounded.

Your story about Singh's work is amusing and would confirm some people's worst suspicions about the Indians. However, it should be remembered that Dr. Krutzsch did exactly the same thing with samples from the Wilcox which he picked up in the museum in Berlin.

The big news around here is that we have failed to get much, if any, funding to continue Paly Data, and most of the personnel connected with it probably must leave our employment in the very near future. I am hoping to keep something going somehow or other so that it could be commenced again, perhaps next year. In certain ways, this could all turn out to be a blessing in disguise. You mentioned the Woods Hole Conference - I had almost forgotten about it, so much has happened in the meantime. The AASP meetings in Toronto recently were a great success (110 registrants), and it is obvious that AASP has "arrived". Best wishes to you and Ruth. I am already looking forward to your return.

Yours very truly,

Alfred Traverse
Professor of Geology and Biology

AT:gbm

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 20, 1970

Robert G.
Mr. Bob Dunay
1010 Wien I
Goelsdorfgasse 3/II/V/22
Austria

Kerta, tent, tent

Dear Bob,

At the recent AASP convention I met Dr. Michael Fisher, who is an English member of the Association. He was in the country on other business and arranged to attend our convention and give a paper on the Triassic pollen and spores of Britain. I had dinner with him one night, and suggested that you might be able to arrange your itinerary so as to include a visit to UK on your return from Austria, or perhaps at some other time. Fisher's address is as follows:

Dr. Michael Fisher
Robertsons Research Company Ltd.
Llanddulas, Abergele, Denbighshire
United Kingdom

He knows much about Triassic miospores, and you should meet him. *He wants to see you and says he will give you all the time you want.*

I have now also just written Bill Chaloner mentioning the fact that you probably will visit Fisher somehow or other, and suggesting that he might be willing to spend a little time with you too. I really think you ought to arrange such a visit if you possibly can. If you are only to go ^{to} three places in UK, the three places ought to be London to see Chaloner, Cambridge to see Hughes, Williams, and Company, and North Wales to visit Fisher. Incidentally, North Wales is probably the most beautiful part of Great Britain, and is of considerable geological importance because of Sedgwick's work there in the beginning of geology.

Thanks for your cards and letters and best wishes to you both.

Yours very truly,

Alfred Traverse
Alfred Traverse
Professor of Geology and Biology

AT/vsi

*P.S. I reported your plates, and they are 100% (except for the *Amecaria* you delineated last month). Water is present in the last two.*

1. - MALAGA. Acera de la Marina
Marine Sidewalk
Trottoir de la Marine.

PAR
AVION

9/17/70



Liebe Prof. Dr. Traverse;

Während Ich diese
Morgen meinem Deutsch
studierte habe, dachte Ich,
dass Ich Sie in Deutsch
schreiben sollte. Wir sind
vorgestern in Portugal
angekommen, und gestern in
Espanien. Der Fahrt ist
sehr ruhig, und Ruth und
ich haben ihn sehr gern.
Ich werde Sie zuschreiben
~~schreiben~~ fortsetzen

GARCIA GARRABELLA u Cia. S. R. C.
(Prohibida la reproducción)
©

Alfred Traverse + Family
809 Cornwall Road
State College,
Pa. 16801

U.S.A.

DEPOSITO LEGAL B 21369-W

Bob Dunay

Oct. 18, 1970

Sehr. geehrter Doktorvater!

I realize that I have not been writing too regularly. I apologize; but, in truth, the Fulbright Commission has kept us, until recently, very busy. Now I have time, as well as something significant to say.

A few days ago, I had my first meeting with Prof. Klaus. The term starts very late here, and ends early. One American professor here insists that, concerning hours spent in the classroom, one European schoolyear corresponds to one American semester. Needless to say, I went to that meeting with much trepidation. Fortunately, as it turned out, I had nothing whatever to fear. I was greeted very warmly. Prof. Klaus' lab is indeed not completed - He has no microscopes, no hood, no chemicals ("In Austria," he said, "things happen, but very slowly."). Therefore, it is impossible to process samples at the University. He was, however, very interested and helpful regarding collecting sites. We are in the process of mapping out my collecting journey through Austria. I will be sampling the Triassic of Lunz (approx. 100km west of Vienna) within, I hope, the next two weeks. Bharadwaj and Singh wrote a short paper on the spores here (Palaeobotanist, 1963, 12:28-44). My instincts, upon reading the paper, was that the study was superficial, at best. I am leager to see if I am correct.

Concerning the subject of Indian "palynological atrocities", Klaus gave me a piece of information which I would like to convey to you. Singh (Palaeobotanist, 1965, 13:74-81) wrote a paper on the pollen of the Lower Triassic of Halstatt, Austria. All well and good, except that this strata has long been known to be Permian. Klaus theorizes that Singh, who never came to consult him, took the samples back to India and used an old geology text, which had the area marked as Triassic, for his stratigraphy.

So, to Lunz am See soon. The remainder of fruitful Triassic lies in the Carenthian and Tirolean Alps. I shall not, of course, be able to visit these areas until Spring. I am presently also attending some of his seminars and lectures. I did not think it ~~was~~ oppertune to ask him for your Permian salt samples at this time. I'll request them at one of our subsequent meetings; and, with your permission, give him a sample of our Triassic material. Dr. Klaus sends you his warmest regards.

Incidentally, hope concerning the use of laboratory facilities is not lost. The Austrian Geological Survey has a palynological lab. Once certain connections are made, the chances of gaining access to the lab will be quite good.

Enough now concerning my progress. How is everything back home? Have you recieved the proofs of our paper yet? How was the paleobotany meeting? I trust your paper was well recieved at Wood's Hole. I realize that you must have a metric ton of correspondence to read and reply to; however, please write when you get the chance. Our new address is: 1010 Wien I; Goelsdorfgasse 2/II/V/22; Austria.

Many, many regards from Ruth, and many regards to Betty and the children, especially Paul, Harvard '74.

Oct. 18, 1970

Your student abroad,
Genevieve D. Korman

I have not been writing too regularly, I am afraid. In fact, the University Commission has left me very busy. Now I have time, as well as something significant to say.

A few days ago, I had my first meeting with Prof. Klaus. The term starts very late here, and ends early. The American professor here insists that, concerning hours spent in the classroom, one must correspond to the American semester. Needless to say, I went to that meeting with much skepticism. Fortunately, as it turned out, I had nothing whatever to fear. I was greeted very warmly. Prof. Klaus is indeed not completed. He has no microscopes, no good, no cameras. In Austria, he said, "things happen, but very slowly." Therefore, it is impossible to process samples at the University. He was, however, very interested and helpful regarding collecting sites. We are in the process of making out a collecting itinerary through Austria. I will be sampling the Triassic of Lower Austria (west of Vienna) during the next two weeks. I have written a short paper on the subject (unpublished, 1969, 18:28-44). By mistake, you received the paper, and that the way was suggested, at least I am obliged to see if I am correct.

Concerning the subject of paper, "Evolutionary biologists" Klaus gave me a piece of information which I would like to convey to you. In the Journal of Paleontology, 1967, 1:74-81, where a paper on the origin of the lower Triassic of Austria, Austria, All well and good, except that this article has long been known to be mistaken. I have theorized that Dr. Klaus, who never came to consult him, took the samples back to India and used an old geology text, which had the area marked as Triassic, for his first report.

Do, to have in the room. The remainder of initial Triassic lies in the German and French Alps. I shall not, of course, be able to visit these areas until October. I am presently also attending some of the seminars and lectures. I did not think it was opportune to ask you for your personal self against this time. I'll request from all one of our previous meetings; and when your permission, give him a sample of our Triassic material. Dr. Klaus has you his warmest regards.

Incidentally, hope concerning the use of laboratory facilities at not least, the Austrian Geological Survey has a palaeontological lab. (see certain connections in the notes, the chances of gaining access to the lab will be quite good).

Though now something in progress, how is everything back home? Have you received the notes of our paper yet? How was the laboratory meeting? I trust your paper was all received at Wood's hole. I believe that you must have a certain look of correspondence. To read and reply to; however, please write when you get the chance. Our new address is: 1010 Van Ness Blvd., Washington, D.C. 20005.



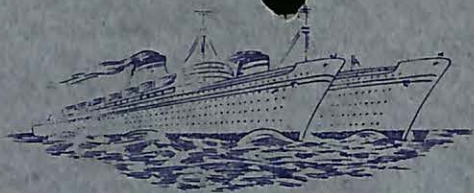
File Junay
Cristoforo Colombo
At Sea
September 12, 1970

Sehr Gehehrer Prof. Dr. Traverso,

We are surrounded by Harvardites!
Of the four Fulbrighters we dine with, two are from Harvard and two from Radcliffe — Rob's table manners have suddenly improved. They are quite witty, most conversant, and very friendly.

As for Rob., he boarded the ship four days ago laden down with books — he has yet to open one (except my copy of Brecht's Three Penny Opera). His field work, however, has excelled — he has pointed out several blooms of brown algae and identified many of the flowers in the centerpiece at the dinner table.

The sailing has been smooth, the weather magnificent, and the food superb and abundant. The crew, somehow, does not look exactly seafaring. All they seem to do is holler at each other in Italian and whistle at the ladies on deck. They seem much more adept at opening lounge chairs than anything else. During the practice fire drill it took three crew-men ten minutes to open an emergency sliding-door exit.



Italia NAVIGAZIONE

Italian Line

Cristoforo Colombo

The first mate, however, ~~to~~ reassures me. Tall and intense, with that real look of command. Perhaps the Italian Line hired him from Central Casting. Thank God there are no icebergs in the Gulf Stream.

Dinner is in ten minutes — will write again soon.

Best regards,
Ruth

Junay

August 11, 1970

Dear Prof. Traverse;

Our landlady in Austria reneged at the last moment. We have another apartment "in the fire", but until we hear from that landlord I do not want to give the address. Therefore, please consider my address to be (for the present):

c/o Fulbright Commission
1082 Wien
Schmidgasse 14, AUSTRIA

When this new apartment is confirmed, I will let you know.

I trust you had an excellent vacation eating Maine lobster, watching the tide roll in, and visiting the family homestead. The enjoyable memories of such a restful respite will help you wade through the pile of mail (of which this, of course, is a part) that is doubtless sitting upon your desk.

I'll keep in constant touch,

Sincerely,

Bob
Jacy

December 17, 1968

A. Traverse

R.E. Dunay

Just had occasion to read in some detail your report from last year for Geol. 526--that was a nice job, and it should certainly have got you off running for your thesis! Your stuff surely sounds like the Chinle, eh?--in itself, most interesting. I wonder if the conifer abundance must mean a transported coal--conifer abundance on the whole is likely to mean open-water deposition, tho' there are exceptions--such as cypress swamps.

Happy holidays.

Alfred Traverse