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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.

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

30 January, 1989

Dr. Charles J. Felix
Department of Geology
Abilene Christian University
ACU Station, Box 7964
Abilene, TX 79699

Dear Charlie:

Just got around (while baby-sitting with grandson) to reading reprints you sent a while back. Enjoyed them. I was puzzled by statement that ZnCl separates organic debris and palymorphs. As we do it, both are separated from minerals. Hmm. When I first saw "An anomalous Texas palynology association," I thought, ye gods! —AASP now has a rival--but it was only Maranhites.

All the best.

Yours very truly,

Alfred Traverse

AT/et

THE PENNSYLVANIA STATE UNIVERSITY

DEIKE BUILDING

UNIVERSITY PARK, PENNSYLVANIA 16802

College of Earth and Mineral Sciences

Department of Geosciences

Palynological Laboratories

July 25, 1988

Area Code 814

863-3419

Dr. Charles Felix
Department of Geology
Abilene Christian University
Abilene, Texas 79699

Dear Charlie:

Thanks for the reprint of the Stoverisporites paper. I guess such problems, like the poor, are always with us. I enjoyed reading. Good to hear from you again. All the best to you and June.

Yours very truly,

Alfred Traverse

/jb

Dr. Charles J. Felix

Research & Development Div.
Production Dept.
Sun Oil Co.

~~P.O. Box 956~~ 509 N Central Expressway (at Belt Line)
Richardson, Tex. 75080

P.O. Box ~~2888~~ 936

~~Dallas, Tex. 75221~~

~~Richardson, Tx 75080~~

(June)

Daughter - Charlotte

Sunmark Explora-
tion Co.

P.O. Box 30
Dallas, TX 75221

OVER →

over
1, 2, 3, 5, 6, 7, 8, 9, 10, 14, 15, 17, 18, 20, 23, 24, 25, 26, 27, 28, 29

(file as corresp.)

9 July, 1986

Dr. Charles Felix
Abilene Christian University
ACU Station Box 7964
Abilene, TX 79699

Dear Charlie:

How nice to hear from you, old friend! We'll look forward to seeing you and June in August.

This is an off-the-top of the head opinion, without much research! (We are going out the door for two weeks of caring for our elderly Parents), re Stoverisporites. My current Code is not at hand (it's at home), but it looks to me as if you're probably wrong. When Stoverisporites was set up as a new genus, it seems to me that Norvick & Burger were free to select any validly published species they referred to the genus, as its type. I can even sympathize with their wanting to designate a new species as type, as it creates fewer potential problems! I agree with you, though, that it was a strange decision, even if legal and understandable. I note, incidentally, that Jansonius refers to the genus as "...Burger in Norvick & Burger" for reasons I don't see in what you sent me.

Best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et



ABILENE CHRISTIAN UNIVERSITY

915/677-1911 Abilene, Texas 79699

July 3, 1986

Dear Al:

I have a nomenclature problem that needs more expertise than I have, and you have always been rather good at these legal tangles. I wonder if you would mind giving your opinion on this matter of Kuylisporites vs Stoverisporites? I feel that Stoverisporites lunaris should be the correct holotype and not the new species of S. microverrucatus. I would appreciate your opinion and some explanation if I am wrong and Norvick & Burger correct. It would be a big help as I am attempting to get a few things cleaned up this summer and hopefully get some of it into press.

Will see you in August I hope. June and I plan to take about a month off and make the Paleobot. meeting at Amherst also.

Sincerely,
Charlie



ABILENE CHRISTIAN UNIVERSITY

915/677-1911 Abilene, Texas 79699

Potonie' (1956) established the genus Kuylisporites for a Hemitelia spore figured by Kuyl, Muller, and Waterbolk (1955). He assigned K. waterbolki as the type species.

Cookson and Dettmann (1958) described a polyporate spore as Kuylisporites lunaris.

This K. lunaris has subsequently been reported often in Cretaceous deposits and it is the species described by Cookson & Dettmann and not the Hemitelia of Kuyl, Muller, & Waterbolk.

Norvick and Burger (1976) established a new genus Stoverisporites for the polyporate spore originally named k. lunaris by Cookson & Dettmann. They retained Kuylisporites for the Hemitelia of Kuyl, Muller & Waterbolk and of Potonie'.

I personally believe that Norvick & Burger were correct in the generic change. However, they set up a new type species (Stoverisporites microverrucatus). However, I feel that the legitimate holotype should be S. lunaris (formerly Kuylisporites lunaris) It was the original type for the polyporate spore that Norvick & Burger changed to Stoverisporites, and I don't see the justification for the new type of S. microverrucatus.

Beihefte zum Geologischen Jahrbuch
Heft 23

Synopsis
der Gattungen der Sporae dispersae

I. Teil: Sporites

Von
ROBERT POTONIÉ

Mit 11 Tafeln

Herausgegeben
von den
Geologischen Landesanstalten
der
Bundesrepublik Deutschland

Redaktion: H. R. von Gaertner

Hannover

Vertrieb durch das Amt für Bodenforschung, Hannover
1956

Beih. Geol. Jb.	23	103 S.	11 Taf.	Hannover / September 1956
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Genotypus (ohne die Scutula) ca. 100 μ (nach Photo); trilete Sporen mit subtriangulärem Äquator konvexer Seiten. Y-Strahlen den Äquator erreichend. Auf dem Äquator, inmitten je zweier Y-Strahlen, eine schildartige Wölbung, ein Scutulum, das manchmal zentral einen deutlich abgesetzten Konus trägt. (Der Konus löst sich wohl leicht ab.)

Beim Genotypus zeigt die proximale Exine eine Streifung, die \pm senkrecht von den Y-Strahlen ausgeht und zur Spitze der Scutula konvergiert. Die Scutula scheinen etwas distalwärts verschoben zu sein.

Um diese auffällige Spore nicht in der Literatur verschwinden zu lassen, war es notwendig, ihr einen Namen zu geben.

Kuylisporites nov. gen.

Taf. 4, Fig. 39

Genotypus: *Kuylisporites* (al. *Hemiteliatypus* KUYL, MULLER & WATERBOLK 1955, Taf. 1, Fig. 7) *waterbolki* nov. spec.

Locus typicus: Trinidad; Alttertiär.

Genotypus ca. 45 μ (nach dem Photo); trilete Mikrosporen, Äquator subtriangulär. Drei größere Exinenaufblähungen (Scutula), die sich beim fossilen Material in \pm kreisförmige Löcher verwandeln können, befinden sich nahe dem Äquator der Spore, in der Mitte zwischen den Enden der Y-Strahlen. Außerdem kann die Exine noch weitere, aber kleinere Aufblähungen bzw. Löcher aufweisen.

Verwandtschaft: Vergl. die Diagnose von *Hemitelia* in R. POTONIÉ 1934, 4, S. 38, sowie bei ERDTMAN 1941, S. 146, POTONIÉ 1954, S. 331, 330, Abb. 6, KNOX 1938, S. 453, Abb. 79.

1.13 Infraturma *Murornati* POTONIÉ & KREMP 1954

Azonotrilete Sporen, deren Exinen kurze oder lange Muri, Striemen, Kämme (Cristae) oder kammartige Höckerzüge aufweisen. Die Zierelemente können ziemlich unregelmäßig sein, sich verzweigen, einander \pm parallel verlaufen oder \pm vollkommene Netzwerke verschiedener Maschenweite bilden.

1.131 Kurze Muri, \pm vereinzelt stehend, kaum zu einem Reticulum imperfectum zusammengeschlossen

Rugulatisporites PFLUG in THOMSON & PFLUG 1953

Taf. 4, Fig. 40, 41

Genotypus: *Rugulatisporites quintus* THOMS. & PFL. 1953, S. 56, Taf. 2, Fig. 46.

Locus typicus: Braunkohle der Ville; Tertiär, Chatt-Aquitain.

Genotypus 72 μ (nach Abb.), Y-Strahlen schmal, von \pm $\frac{2}{3}$ Radiuslänge, Äquator \pm kreisförmig, Exine mit kurzen, geschlängelten Muri bis Warzen, unregelmäßig, aber \pm dicht bedeckt.

Die Spore von *Osmunda regalis* ist mit mehr verzweigten, länglichen, aber auch mit gedrun- 1941, Taf. 5, Fig. 59; KNOX 1951, Taf. 20, Fig. 6

Einer anderen *Osmunda*-Gestalt entspricht Verwandtschaft: cf. *Osmunda*.

Convolutispora HOFFMEISTER,

Genotypus: *Convolutispora florida* HOFFMEISTER, Fig. 5—6.

Locus typicus: USA, Illinois; Hardins

Genotypus 49 μ , trilete Sporen, Äquator kreisförmig, anastomosieren, d. h. sie streben zu einem Reticulum. Bei *Rugulatisporites* kann von der Tendenz nicht gesprochen werden, auch sind dort die Zierelemente

1.132 Exine mit unregelmäßig gebildeten Höckerzügen (Cristae), diese bilden

Lycopodiacidites (COUPER) POTONIÉ, Taf. 5, Fig. 42.

Genotypus: *Lycopodiacidites bullerensis* POTONIÉ, Unsere Taf. 5, Fig. 42.

Locus typicus: Neuseeland, Ohika bei

Größe des Genotypus nicht angegeben, sondern Meridian \pm kreisförmig, Exine abgesehen von Rugae gesprochen, weil die einzelnen Zierelemente mauerförmig sind, sondern mehr gestreckt und nicht immer gleiche Höhe und gleichbleibende geschlängelten Verrucae verlaufen unregelmäßig baculumförmige Fortsätze.

Bei *Rugulatisporites* finden sich Zierelemente, Breite, also solche von größerer Regelmäßigkeit

Die Kontaktareen von *Lycopodiacidites* gehen nicht immer bis zum Äquator, und dann an der Grenze der Kontaktareen vorstoßenden Tecta bilden

Lycopodiumsporites enthält nur Arten mit

Die Gattung *Lycopodiacidites* mußte von der Gattung *Lycopodiumsporites* graphisch abgegrenzt werden. Wendungen (wie bei *Lycopodiumsporites*) scheinlicher Verwandtschaft zu *Lycopodiumsporites* brauchbar.

Verwandtschaft: COUPER spricht von Verwandtschaft zu *Lycopodiumsporites* ähnlichen Mikrosporen.

Cook & Dett 1958

Species name: Kuylisporites lunaris¹
Cookson & Dettmann (1958)

Code designation:



22



23



21

21.—*Kuylisporites lunaris*. Paratype. Wonthaggi State Coal Mine Area, Vic., locality (e²).
× c. 550.

22, 23.—*Kuylisporites lunaris* sp. nov. Holotype. Wonthaggi State Coal Mine Area, Vic.,
locality (e²). Fig. 22, × c. 650; Fig. 23, × c. 850. P17610.

Description:

Spore trilete, equatorial outline varying from almost circular to subquadrangular or subtriangular with straight or convex sides; the laesurae of the tetrad-scar extend to the margin but are more prominent in the polar area. Exine finely granular, usually with a few coarser granules on each contact face. The most conspicuous feature is the presence on both proximal and distal surfaces of half-moon shaped ridges or scutula, the number of which may be the same on both surfaces, or greater on the distal surface than on the proximal surface, the number varies from 1-3 per contact area.

Dimensions. Equatorial diameter 30-54μ; diameter of areas enclosed by the scutula from 5-7μ.

Comments. The occurrence of small scutula on the spore surface of *Kuylisporites lunaris* is reminiscent of the spores of certain living species of *Hemitelia* and of the type from the Upper Tertiary of Trinidad referred to as "*Hemitelia* type", by Kuyl, Muller and Waterbolk (1955), and as *Kuylisporites waterbolki* by Potonié (1956). However, in *K. lunaris*, the scutula appear to be restricted to the polar surfaces whereas in *Hemitelia grandifolia* Willd., for example, they are situated, according to Erdtman (1943), "either near the margin of the distal part of the grain, or in the transition between the distal and the proximal part".

K. lunaris has been recovered only from a few Victorian deposits, the age of which ranges from Neocomian-Aptian to Albian.

Occurrence. Victoria—Barrabool Hills; Bellarine Peninsula, Little's Shaft No. 2, 38-47 ft.; Berry Creek Bore No. 18, at 278 ft.; Tyers Bore No. 2, at 860 ft.; Wonthaggi State Coal Mine Area, localities (b), (e²).

CORRIGENDA¹
ARTICLE 4

COOKSON, ISABEL C., and DETTMANN, MARY E., 1958. Some Trilete spores from Upper Mesozoic deposits in the eastern Australian region. *Proc. Roy. Soc. Vict.* 70: 95-128.

Page Line

103 1, 2, 17, 20 Read '*Kuylisporites*' instead of '*Kuylisporites*'.



ABILENE CHRISTIAN UNIVERSITY

915/677-1911 Abilene, Texas 79699

March 4, 1983

Al Traverse
Pennsylvania State University
Department of Geosciences
Palynological Laboratories
University Park, Pennsylvania 16802

Dear AL:

I want to thank you for the recent reprints of your latest publications.

I am still in something of a "settling in" stage, even though I have been here a year now. I hope to get back to some research and publication in the near future. Your work will be a valuable asset in our work, and your thoughtfulness is greatly appreciated.

Sincerely,

Charlie

Charles Felix
Professor of Geology

laf

I thank you for the reprints Al. I am staying busy, in fact never worked so hard in my life. But the project is going well and I am having fun.

26 August, 1981

(dated July, '81, but held
for signature until AT's return
from IBC--Sydney)

Dr. Charles Felix
Geology Department
Abilene Christian University
ACU Station, Box 7964
Abilene, TX 79699

Dear Charlie:

Your news was stunning! Charlie Felix is Sunoco to me (Mr. Pew notwithstanding).

I have never missed AASP, but this year I figure to be too busy for the trip--besides I have been on the road the whole year (a 4-continent year!).

All the best! Hello to the family.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

23 October, 1980

Dr. Charles J. Felix
Sunmark Exploration Co.
P.O. Box 30
Dallas, TX 75221

Dear Charlie:

It was so good to see you at Keystone, and especially to hear about dear little Charlotte's much improved condition.

Duck Choi and I were of course delighted that you would be willing to share with us your Eureka Sound materials from previous efforts in that direction. Inasmuch as Betty and I are leaving for Switzerland in a matter of almost days, and there are a good many other things coming up when we get back next summer, I would propose, Providence and other circumstances permitting, that Duck and/or I visit you enroute to the AASP meeting next October to obtain and discuss the material. I hope that's o.k. If it isn't, I'm sure we can arrange something else.

Once again, it was a pleasure to see you. Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Make address change!

DEAR COLLEAGUE:

Effective August 1, 1981 I shall terminate my employment with the Sun Company and will join the faculty of Abilene Christian University as Professor of Geology. I shall oversee the development of a completely new geology program, and I am hopeful of being able to return to active research in palynology and paleobotany. I will appreciate the continued receipt of reprints of your published work.

Effective August 15, 1981 my new address will be:

Charles Felix
Professor of Geology
Abilene Christian University
ACU Station, Box 7964
Abilene, Texas 79699

To say it has been a nervous year is to put it mildly, but I decided to try to start a new career at a late date. Hope it all works out. May make AASP but could be too busy + we are also building a home in Abilene which is due to be completed about meeting time.
Best regards, Charlie

REGARDING JEAR

CHARLOTTE

May 6, 1980

Dear Al:

Just a bit of a status report. The family is together again and something of a long ordeal is over as we brought Charlotte home Saturday and she is in great spirits. It has been quite an experience for the entire family, and I think everyone has grown stronger because of it. Charlotte has had a great deal of serious surgery previously but never anything so dangerous, nor with the family so separated.

She returns to Louisville in October and as of the moment there does not appear any additional surgery. The surgery seems to have been successful, although they did not accomplish all they hoped for. Some correction was not obtained in the lower spine as it was just too dangerous and worse than the doctors had anticipated. However, considerable correction was attained in the upper back area, and perhaps best of all this should stop any deterioration the rest of her life. She will be down for a year but seems to accept it very well and holds daily court with her friends and is getting back to school work with home bound teachers provided by our school system. The cards and letters were great, and I believe she was impressed and moved by the discovery of so many people caring for her. I know that many of them came because of your efforts, and she has brought them all home - boxes of them. Several churches in the Louisville area adopted her, and I still have a car stored there and pretty well filled with Charlotte's accumulation of cards, gifts, etc. It will take some time to get settled as we flew her home by air ambulance and I still have to return for the car. Our own church picked up the entire expense of bringing us home, and so we are all rather overwhelmed at how much people do care.

I did manage to get out to Tempe for the mid year meeting of AASP and enjoyed the break and feel that a lot of work was accomplished. Hopefully by now the actual funds for this summers trip are in hand, and I hope you all have a fine journey and meeting. I am pretty certain that I will not go, regardless of how things go at home. I have some pretty impressive bills and am needed at home, and I am tired. I tried a senior marathon recently and was utterly wiped out; ended up virtually walking and I think it was more psychological than physical. So I may just spend a summer mowing grass, jogging, and enjoying having the family back to normal.

With best regards,

Charlie
Felix

P. O. BOX 936 RICHARDSON, TEXAS 75080

A Division of Sun Oil Company (Delaware)

3 April, 1980

Dr. Charles J. Felix
Sunmark Exploration Co.
P.O. Box 30
Dallas, TX 75221

Dear Charlie:

That was great news about the \$\$ for Cambridge!

Phase II for Charlotte sounds as if it were pretty rough--we are still pulling hard for her.

All the best--and thanks again for the good news--bearers of good tidings are always so popular!

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

31 March, 1980

Dr. Charles J. Felix
Sunmark Exploration Co.
P.O. Box 30
Dallas, TX 75221

Dear Charlie:

We got yours of 18 March the other day and were glad dear Charlotte made it through "Phase I". We have all been praying privately and publicly for her. She just has to get well! Of course, she already is a miracle and a marvellous example of fighting courage to us all.

Tell June to care for herself too--I know it's hard. I suspect her professional experience is more of a hindrance than a help, but I could be wrong. (Did I ever tell you that our Paul is a second year resident (internal medicine) at Lenox Hill Hospital, NYC? He just was taken on for an additional 2-year residency in cardiology, starting July, 1981.)

I hope we get some of the travel money, but it isn't an earth-shaking matter.

All the best.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT/et

Revised letter

March 18, 1980

Dear Al:

Just a bit of a progress report on our family. Charlotte had the first stage surgery on March 3rd and it went well. The surgeons are pleased with what they did, and she seems to be holding her own very well. It was a dreadful operation and frankly I don't see how she lived through it. I returned to Dallas when she seemed out of danger and discussing progress with June by phone, she is awfully weak but in good spirits and as of now the second stage is scheduled for March 24. It is a more dangerous phase but is not as tough physically as the first. They went in through the chest in the first stage to operate on the spine, and the second operation will involve only the back. We seem to be doing well and June is living in Louisville, in fact inside the hospital as it has hotel facilities for out of state or out of country families. I am flying back and forth and managing to keep work going. If you find time, I am sure Charlotte will appreciate a card from you. If not her, June surely would as I figure after a few weeks, much less months, on this routine she may be on the psycho ward. Opening mail does help pass time, and it helps her to know that people are concerned about her. The address:

Charlotte Felix
Norton Children's Hospital
Room 4L03
200 East Chestnut St.
Louisville, Kentucky 40202

We still have not heard from NSF on the possible travel funds, and my last conversation with Canright was not too optimistic. Jim did think we would get some word by April 1, and I will let you know the minute we get some word. I have cancelled out my plans for attending the Cambridge meeting. It seems definite that Charlotte will still be down at that time and I will be needed at home. And this is also the year of the medical bills; so I don't plan to go under present circumstances.

Best regards and I'll keep you posted and we do appreciate your thoughts and prayers.

Charlie Felix

January 31, 1980

Dr. Alfred Traverse
Palynological Laboratories
Pennsylvania State Univ.
University Park, Pa. 16802

Dear Al:

Am in receipt of your application for summer travel funds. We have not heard from NSF as yet but will inform applicants as soon as we do and will expedite our evaluations. I am also surprised that you have had to go this group application route. Wonder where they think funding is supposed to come from? I had intended to go at my own expense but have just about shelved my plans due to some changes in Charlotte's schedule. June will be in Ky. during her hospitalization and I need to be available. I went off one time to the Arctic for three months during a siege of surgery and nearly ended up divorced - or perhaps should have as I did not think or realize what a burden it left on June. I also need to keep tabs on our other daughters as I have a 17 year old who still has not grown a brain and is creating some problems. Our 18 year old does fine but I still need to be home and right now Cambridge is just about out of my plans.

Some change in Charlotte's plans. She will go to Louisville the last week of Feb. and has operations scheduled March 3rd and 24th. She will possibly be moved back to Dallas about May and then a third operation about June. The last is a maybe and depends upon the results of the first two. The delay in getting started has been largely due to working the Dallas team of doctors into the schedule, and they will be there. We appreciate very much your thoughts and prayers, and they do mean a great deal to us at this time. You mentioned her attitude - it is great. She is aware of every aspect of her problems and the surgery, and she has actually set in on all of the conferences and planning sessions with the doctors. She knows the dangers and seems to take it all in stride. In fact she was almost angry over the delay to March as she still had hopes of making summer camp this year. She is doing fine, probably better than June or I.

I have a good deal of accumulated vacation and will be in Kentucky for surgery and the tough times. I also plan to take the opportunity to spend some time with my mother, who is only about 5 hr. drive in SE Kentucky. She is 85 and still lives alone. So we have a busy and demanding spring shaping up.

I will let you know how Charlotte goes, and many thanks again for your interest and concern.

P. O. BOX 936 RICHARDSON, TEXAS 75080

A Division of Sun Oil Company (Delaware)

*Best regards,
Charlie*

28 January, 1980

Dr. Charles Felix
Sunmark Exploration Company
P.O. Box 30
Dallas, TX 75221

Dear Charlie:

Enclosed is my application, seemingly in order, per p. 4 of AASP current Newsletter for some support toward attending 5IPC. As I state in the application, in a sense I am responsible for all this--I called NSF months ago to find out about funding for the meeting, was told that no NSF funding would be available for individuals, not even for the international President. Instead, a group application must be made. So I got after Jack Burgess to apply. Eventually (it took a while!) this resulted in the Canright et al. proposal to NSF.

We are eager for more info re the other CF, for whom we've been praying.

Yours very truly,

Alfred Traverse
Professor of Palynology
President, ICP

AT/et

November 27, 1979

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

Dear Al:

You expressed an interest in our Charlotte recently while at the AASP meeting, and we are getting our plans in order and know something of her schedule. Although a relatively poor risk, the back surgeon in Louisville has agreed to operate and I feel that he believes that he will be successful. Present plans are for three operations over a period of about four months with the first being in January. She will be down for about a year, but we probably will be able to move her back to Dallas for a couple of months between the second and third operations. We are also encouraged by the fact that the surgical team from Dallas that has handled her surgery all of her life will go to Louisville to assist in the surgery. They are two surgeons associated with the Scottish Rite Crippled Children's Hospital, and we have enormous confidence in them. It is going to be a demanding year on the entire family, but we have been through much of this before and the outlook is better than it appeared a few weeks ago.

I appreciate so much your obvious concern for our daughter, and I suppose that now we need and do ask for the prayers of friends such as yourself. She is some youngster and sometimes I can't believe she is for real. Her entire 14 years has been a constant war of pain and crises, but she is about as normal, hairbrained teenager as you can encounter.

It was good seeing you again and being about to visit a bit. After the dust settled we felt that it all went well and was a good meeting. I will let you know how things go and remember us in the coming year.

Best regards,

Charlie Felt

September 3, 1975

Dr. Charles Felix
Sun Oil Company
P. O. Box 936
Richardson, Texas 75080

Dear Charlie:

Thanks for reprint of your paper on Ellef Ringnes Triassic!--
a good piece of work. Heard of you from mutual friends at Congress
in Leningrad--hope things went well for you during summer. See you
in Houston?

Best wishes.

Yours very truly,

Alfred Traverse
Professor of Palynology

AT:jb

November 2, 1973

Dr. Charles J. Felix
Sun Oil Company
P.O. Box 2880
Dallas, Texas 75221

Dear Charlie:

Thank you so much for yours of 10 October, and the slides, which arrived in great shape (what a fabulous job of packing!). I very much appreciate your picking them up for me, and I look forward to getting the local data which you said you might be able to obtain. Actually, if I have them figured out right, two of them are really Lower Permian (Artunien). Not so?

Your letter and the slides arrived after I had left for Anaheim. It was really a pretty good meeting, and I much enjoyed getting a look at Disneyland. I also managed to take in the 6th game of the World Series in Oakland on the way to Salt Lake City, where I presented a couple of lectures for Sid Ash. The only problem with the trip was that Betty was not able to go with me as we had originally hoped she might. Along that line, I am delighted to hear that June was able to join you in London for a holiday over there. She certainly can't complain about not getting away from home this year!

Looking forward already to the next time we get together and with best wishes as always, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi



NORTH AMERICAN EXPLORATION AND PRODUCTION GROUP
Developmental Projects Division
Research Department

SUN OIL COMPANY

503 NORTH CENTRAL EXPRESSWAY, P.O. BOX 936, RICHARDSON, TEXAS 75080 (214) 744-4411

October 10, 1973

Dr. Alfred Traverse
Dept. of Geosciences
The Pennsylvania State Univ.
University Park, Penn. 16802

Dear Al:

Meant to have a followup letter on the few things I picked up for you at BousSENS but did not get to it. There was actually very little in the way of handouts and the meeting was no great shakes. However, it was extremely interesting country, and I made the trip to the Pyrenees, which was strictly scenic. I also went to Lourdes one day with some of the Elf people, spent a couple of extra days in the St. Gaudens area as well as some time at Toulouse and Paris. June met me in London and we had an eight day holiday without any kids. Outside of visiting with Bill Chaloner, it was strictly a pleasure stay in London.

I have just put into the mail three Triassic palynology slides which were given to the visitors at BousSENS. I don't have locality data on them but will try to get it. It was probably available, but I stayed away from the meeting for one day with a bit of upset stomach and probably missed some info myself because of it. It was nothing serious but since I had quite a number of places to visit later, I thought it best to lay low and get entirely rid of the bug.

I don't plan on attending the AASP meeting next week. Considering the kind of year I have had for meetings and vacation, etc. I think it would be wise to stay home and do a little work. I really can't complain, for considering the state of this company and the oil business in general, I have had a very good year.

Hope you find the slides and info interesting, and it was no trouble for me and I was glad to be able to do it.

Best regards,

Charles Felix
Charles Felix

October 3, 1973

Dr. Charles J. Felix
Sun Oil Company
P.O. Box 2880
Dallas, Texas 75221

Dear Charlie:

Thank you so much for the stuff from the Boussens conference which just arrived and has not been digested. It was certainly very thoughtful of you to scrounge up some extra materials for me. Naturally, I would have very much enjoyed the meeting and doubtless would have profitted greatly from attending. One must draw the line somewhere, especially if there aren't enough dollars in the till.

Best wishes to June and the kids.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi



NORTH AMERICAN EXPLORATION AND PRODUCTION GROUP
Developmental Projects Division
Research Department

SUN OIL COMPANY 503 NORTH CENTRAL EXPRESSWAY, P.O. BOX 936, RICHARDSON, TEXAS 75080 (214) 744-4411

July 16, 1973

Dear Al:

Had noted the same clipping in other places and it was also in a University of Tennessee alumni news letter. Makes me wonder where Bob McLaughlin fits in and who in the heck is Friedrich Schmidt-Bleek who has identified these Paleozoic oak trees? I am going to send it off to A.J. Sharp and dig him mildly over letting such things grow in those Tennessee coal mines.

You bet your sweet life I wrote to the AIBS and to the president's office at U. of Mass. about that retreat we had. I also just looked back through the regist. data published in the journal earlier in the year and rates in the residence halls was quoted at \$8.50 per person. Even at that we would have been grossly overcharged. Became more aware of charges the rest of the trip, and in Pittsburgh we had beautiful, "CLEAN", roomy accomodations with kitchen, etc. for the entire family for \$26.00 a day. U. of Mass. had to turn a profit.

We had a wonder^{ful} trip and enjoyed our stay on the Andrew's farm. They know how to enjoy life. We arrived home the evening of the 3rd, tired but with a very fine family vacation of over a month under our belts. Now I have to do a little productive work and also pay for the vacation.

Good to see you again and have a nice summer.

Sincerely,

A handwritten signature in blue ink that reads "Charlie".

Charles Felix

File Correspond.
C. Felix 1973

8005-06

ELLEF RINGNES ISLAND. NORTHWEST TERRITORIES. CANADA.

FILE NO.	STORAGE NO.	COUNTY	STATE
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LOCATION: Two grab samples taken north of Hospital ^{BAY} and immediately north of broad, alluvial fan (Pleistocene or Recent) of undifferentiated alluvial and deltaic sand. 79°05' N, 105°15' W.

COLLECTOR: C. J. Felix. July 31, 1969.

FORMATION: Beaufort formation. Tertiary.

LITHOLOGY: Unconsolidated sands and gravels (prob. non-marine) containing large numbers of rounded boulders and fossil wood.

FOSSIL INFORMATION: ER 40 8005 Mac 1-8-70
5
ER 41 8006

REFERENCES: For geology see: Ellef Ringnes Island by D.F. Stott. Geol. Surv. Canada Paper 68-16. 1969.

REMARKS: Original field collections labeled ER 40, 41. Sample ER 41 was taken from stained sand and was apparently a decayed log, with the matrix SKETCH OUTCROP ON REVERSE.
Form 0-849 (7/56) Printed in USA

medium brown in color.

(8005) Sample ER40 was collected stratigraphically some 5 feet below (8006) ER41 and was coal black in color, appearing somewhat bituminous. Plant debris did not appear to be present.

A bag of wood fragments was also collected from formation in nearby river bed.

Len Hills considers Beaufort as most likely late Miocene.

For reference on Beaufort see: HILLS, L. V. & OGILVIE, R. T. 1970) Picea banksii n. sp. Beaufort Formation (Tertiary), northwestern Banks Island, Arctic Canada. Canadian Journal of Botany, Vol. 48, No. 3, pp. 457-464.

8007

ELLEF RINGNES ISLAND. NORTHWEST TERRITORIES. CANADA.

FILE NO.	STORAGE NO.	COUNTY	STATE
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LOCATION: Grab sample taken north of Reindeer Peninsula at 79°00'N, 105°30'W.

COLLECTOR: C. J. Felix. August 11, 1969.

FORMATION: Beaufort formation. Tertiary.

LITHOLOGY: Carbonaceous lens in unconsolidated sand.

FOSSIL INFORMATION: Sample run 11-21-69

REFERENCES: See: Ellef Ringnes Island. by D.F. Stott. Can. Geol. Surv. Paper 68-16. 196

REMARKS: Original collection ER 96 . Sample from deep wash and appeared to be accumulation of logs but no recognizable wood noted in sample.
(PLEASE SKETCH OUTCROP ON REVERSE)

Form 0-849 (7/56) Printed in USA

Esbeck
Fidelity Onion Skin
COLLECTION

July 9, 1973

Dr. Charles J. Felix
Sun Oil Company
P.O. Box 2880
Dallas, Texas 75221

Dear Charlie:

The enclosed item caught my attention in last night's Centre Daily Times. It's good to see that your fellow Tennesseans are doing such fine work and getting such advice!

Sure was good to see you, June, Charlotte, Lisa, and Linda, in Amherst. I do hope you have followed through on your threat to write a hot letter to both AIBS and the governing board of US about the shameless "rip off" to which we were all subjected.

Best wishes as always.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi
Enclosure



SUN OIL COMPANY 503 NORTH CENTRAL EXPRESSWAY, P.O. BOX 936, RICHARDSON, TEXAS 75080 (214) 744-4411

Dear Al:

Sorry about the delay but it has really been one grand rat race recently and promises to get worse. Am sending the Clearcol reprint, and we still order the stuff from Mrs. Clark, H. Clark having died some years ago. The paper in which Wilson publ. something similar to Clearcol was published in Micropaleontology, Vol. 14, No. 2, pp. 247-248, 1968. However, I have never tried his formula.

Re. the slides - Samples 8005-8007 are from the Beaufort Formation on Ellef Ringnes Island. The literature usually calls it just Tertiary. However, Len Hills feels that it is Miocene, and I am inclined to agree with him. A good reference on the Beaufort Fm is in the Canadian Journal of Botany, Vol. 48, No. 3, pp. 457-464 and a paper by Hills and Ogilvie.

The Eureka Sound is dated Tertiary by Canadian geologists in their literature. However, the slides I gave you from Ellef Ringnes are Maestrichtian. This material is presently in press and will be published in the next issue of Geoscience & Man, and you can cite it as a reference.

Am enclosing copies of my collection cards from the Beaufort, and I believe I left you a copy of the Eureka Sound section and its location. Sorry again for the delay. I also checked the inquiry I had, and it was from Peter Kremer.

Sincerely,

Charlie
Charlie Felix

Locations, etc., for

slides provided by Felix

TABLE I

file a copy

Chas. J. FELIX & BURBRIDGE

Restriction

MEASURED SECTION OF EUREKA SOUND FORMATION. TRANSECTION RIVER. ELLEF RINGNES ISLAND.

Latitude 78°20' North, Longitude 101°30' West

	Thickness	Sample
	(feet)	Number

Sand, loosely consolidated, with rounded boulders

and lignified logs 10

Lignite, interbedded in light colored, unconsolidated

sand 1 8004

Sand, loosely consolidated, with numerous rounded boulders .. 25

Clay, lignitic, interbedded with sand, light colored,

unconsolidated sand 1/4 8003

Sand, loosely consolidated, light colored with rounded

sandstone boulders 20

Shale, dark, carbonaceous 1 8002

Sand, loosely consolidated 1

Lignite, thin, friable 1/2 8001

Sand, loosely consolidated, with carbonaceous streaks 20

Sandy clay, light colored, unconsolidated 1/3 8000

TABLE I (CONT.)

	Thickness	Sample
	<u>(feet)</u>	<u>Number</u>
Sand, light colored unconsolidated	10	
Lignitic stringer interbedded in light colored unconsolidated sand	1/8	7999
Sand, light colored, unconsolidated with lignite streaks	10	
Lignitic stringer interbedded in light colored, unconsolidated sand	1/6	7998
Sand, light colored, unconsolidated	4	
Dark shale lens interbedded in unconsolidated sand	1/4	7997
Sand, light colored, unconsolidated, with carbonaceous streaks	2 1/2	
Coaly shale lens interbedded in fine grained, unconsolidated sand	1/2	7996
Sand, light colored, unconsolidated	6	
Dark shale lens interbedded in light colored unconsolidated sand	1/3	7995
Sand, loosely consolidated	1	
Smutty coal stringer interbedded in sandy shale	1/4	7994

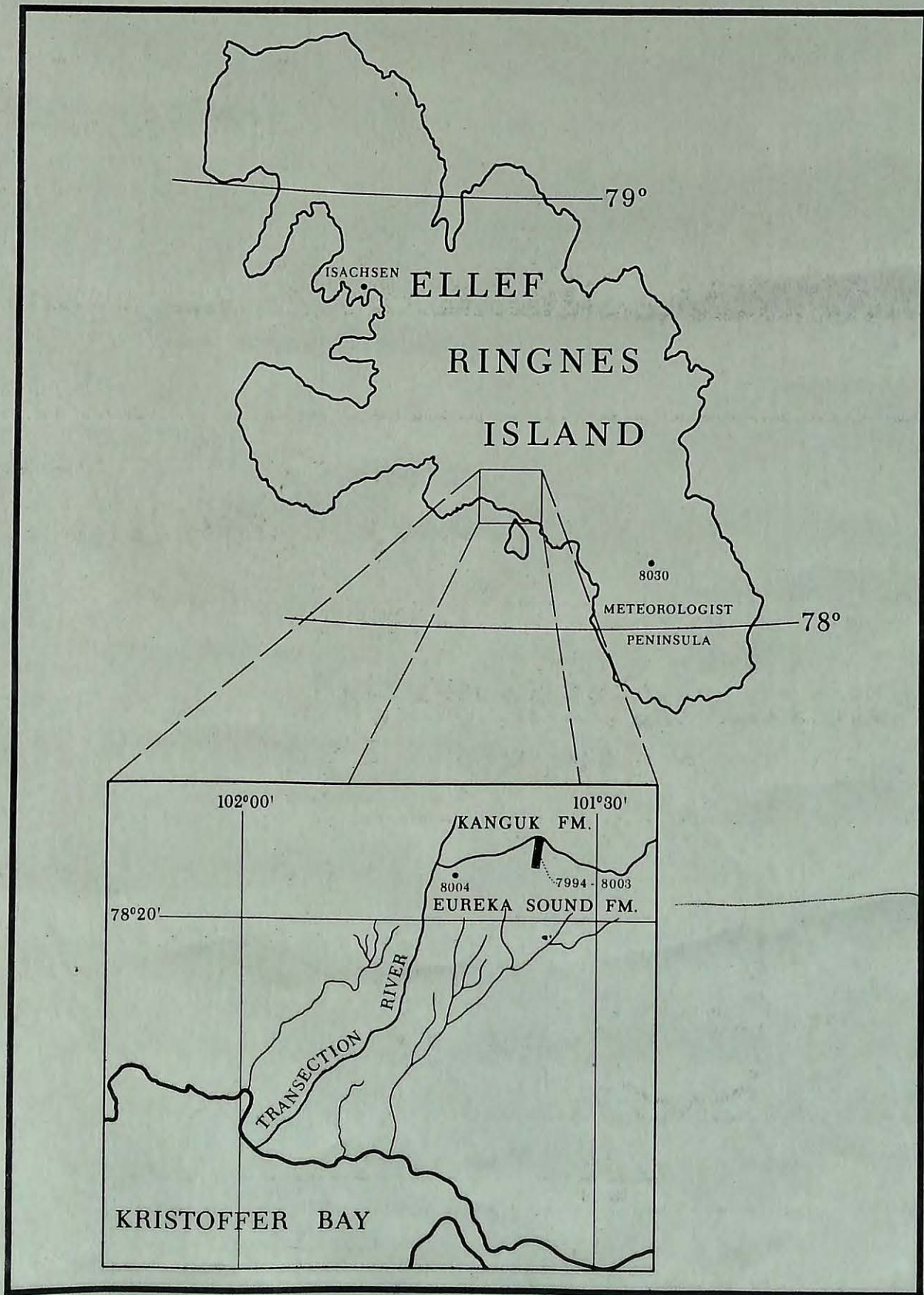


FIGURE 2. Sample locality map, Ellef Ringnes Island.

8005-06

ELLEF RINGNES ISLAND. NORTHWEST TERRITORIES. CANADA.

FILE NO.	STORAGE NO.	COUNTY	STATE
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LOCATION: Two grab samples taken north of Hospital^{Bay} and immediately north of broad, alluvial fan (Pleistocene or Recent) of undifferentiated alluvial and deltaic sand. 79°05' N, 105°15' W.

COLLECTOR: G. J. Felix. July 31, 1969.

FORMATION: Beaufort formation. Tertiary.

LITHOLOGY: Unconsolidated sands and gravels (prob. non-marine) containing large numbers of rounded boulders and fossil wood.

FOSSIL INFORMATION: ER 40 8005 Mac 1-8-70
 1/5
 ER 41 8006

REFERENCES: For geology see: Ellef Ringnes Island by D.F. Stott. Geol. Surv. Canada Paper 68-16. 1969.

REMARKS: Original field collections labeled ER 40, 41. Sample ER 41 was taken from stained sand and was apparently a decayed log, with the mat
 PLEASE SKETCH OUTCROP ON REVERSE

Form 0-849 (7/56) Printed in USA

medium brown in color.

Sample ER40 was collected stratigraphically some 5 feet below ER41 and was coal black in color, appearing somewhat bituminous. Plant debris did not appear to be present.

A bag of wood fragments was also collected from formation in nearby river bed.

8007

ELLEF RINGNES ISLAND. NORTHWEST TERRITORIES. CANADA.

FILE NO.	STORAGE NO.	COUNTY	STATE
----------	-------------	--------	-------

LOCATION: Grab sample taken north of Reindeer Peninsula at 79°00'N, 105°30'W.

COLLECTOR: C. J. Felix. August 11, 1969.

FORMATION: Beaufort formation. Tertiary.

LITHOLOGY: Carbonaceous lens in unconsolidated sand.

FOSSIL INFORMATION: Sample run 11-21-69

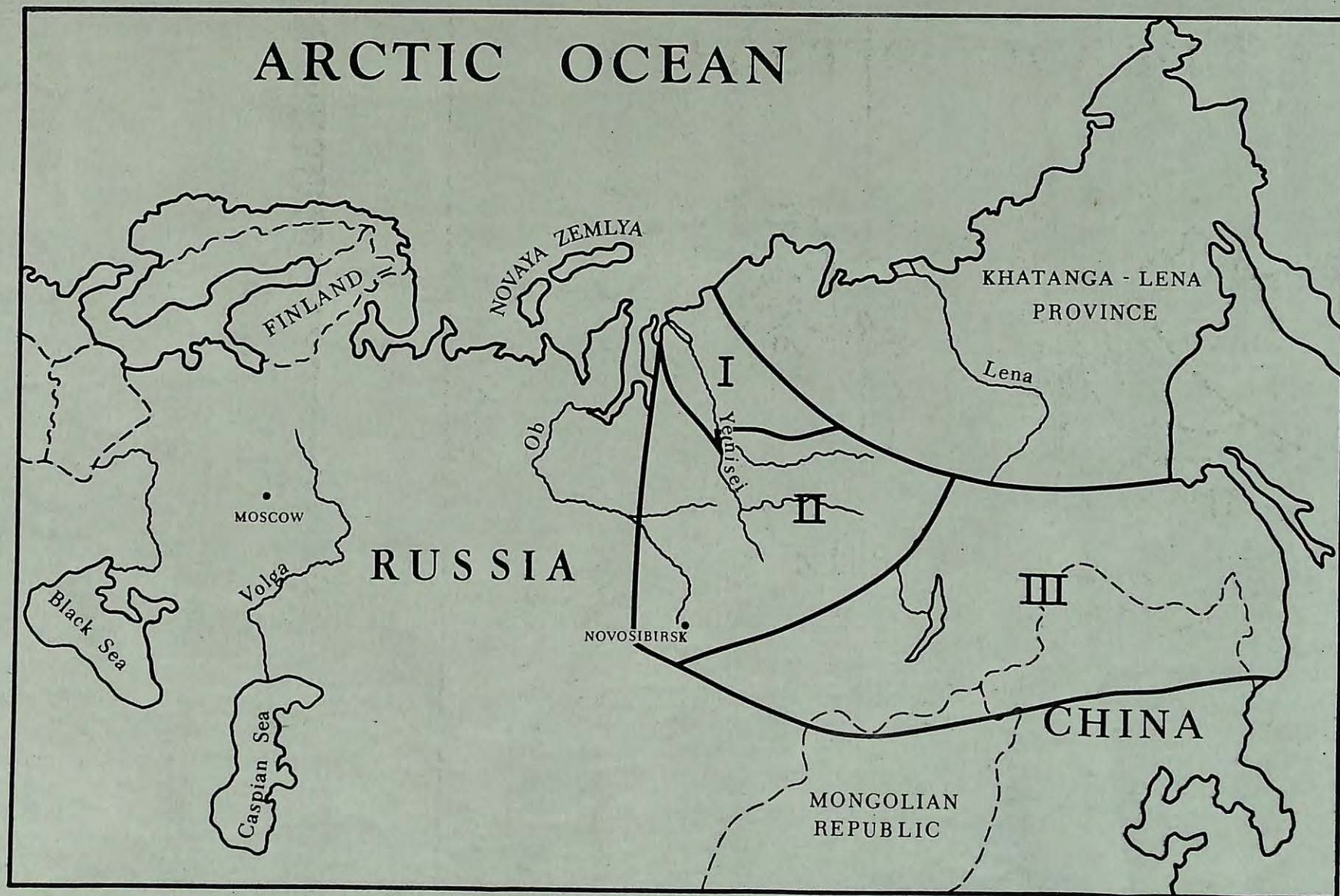
REFERENCES: See: Ellef Ringnes Island. by D.F. Stott. Can. Geol. Surv. Paper 68-16. 196

REMARKS: Original collection ER 96 . Sample from deep wash and appeared to be accumulation of logs but no recognizable wood noted in sample.
(PLEASE SKETCH OUTCROP ON REVERSE)

Form 0-849 (7/56) Printed in USA



FIGURE 1. Index map of the Canadian Arctic Archipelago.



TEXT-FIG. 3. NORTHERN ASIA PALYNOLOGY PROVINCES - LATE CRETACEOUS.



Shank

TEXT-FIG. 4. CIRCUMPOLAR PROJECTION. ELLEF RINGNES ISLAND - UST YENISEY SUBPROVINCE.

February 8, 1973

Dr. Charles J. Felix
Sun Oil Company
P.O. Box 2880
Dallas, Texas 75221

Dear Charlie:

I have been trying to intergrate into our collections the slides which you so kindly left for us from Ellef Ringnes Island, samples number 7994-8007, inclusive. The sheets which you provided for these samples are certainly extremely complete as to lithology, etc., and they will be available for comparison with the slides, but I wonder whether it is not possible to provide more precise stratigraphic position? 8005 and 8006 are listed as "Tertiary", as is 8007, but the other samples contain no stratigraphic information. Doubtless I should have acquired this in my notes while you were here, but I don't seem to have done so. Could you send along whatever you have if only "Upper Cretaceous" is available, or whatever, that would be better than what I have.

Hoping that you can provide the information and with thanks again for the slides, I am

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi

December 7, 1972

Dr. Charles J. Felix
Sun Oil Company
P.O. Box 2880
Dallas, Texas 75221

Dear Charlie:

Just a line to thank you most sincerely and warmly for your efforts in being our "palynological visitor". I think that the affair was enjoyed by everybody concerned, I hope including you.

I forgot to ask while you were here whether you wished me to return the extra photos from the batch which you sent me for the historical paper. If you want them back, just say so. If you don't, I will probably find some use for them for teaching purposes. I once again want to express my thanks for your letting me have them.

Best wishes to you, June and the rest of your family for the holiday season.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi



NORTH AMERICAN EXPLORATION AND PRODUCTION GROUP
Developmental Projects Division
Research Department

SUN OIL COMPANY 503 NORTH CENTRAL EXPRESSWAY, P.O. BOX 936, RICHARDSON, TEXAS 75080 (214) 744-4411

December 1, 1972

Dr. Alfred Traverse
Department of Geology
529 Deike Building
Pennsylvania State University
University Park, Pennsylvania

Dear Al:

Opening my mail this morning reminded me that I had not checked the sizes of the photomicrographs used on your plate for the history of palynology. They all appear to be within reasonable limits. Actually you can read the magnification directly off the photo in microns, and that is one of the main reasons why I use 500x for one of my standard print sizes. Using a millimeter rule $1\text{mm} = 2\mu$ or a photo of 50mm. dimension = 100μ . This seems to be what you have done and they look okay. Don't bother returning the surplus photos as I have no need of them.

I wish I had taken the time to peek at your manuscript and am anxious to see it in print. I hope Henry gives palynology a fair shake, but I imagine that the megafossil people will very well dominate the book.

I am quite glad to be home on a 70° day and sunshine as Pittsburgh was getting awfully snowy yesterday when I left, but it was a most satisfying trip and I must thank you for the opportunity of visiting with you. I guess I got as much mileage out of a small amount of material as possible in such a brief period, for Ralph set me up for a seminar at U.S. Steel on Thursday morning. So it was a very busy four days.

Best regards,

Charlie
Charles Felix

October 6, 1972

Dr. Charles J. Felix
Sun Oil Company
840 Gibraltar Life Building
P.O. Box 2880
Dallas, Texas 75221

Dear Charlie:

Thanks for yours of 26 September. I have flashed off a letter to Dr. Weart per your suggestion and hope that something comes of it. I left the date open, but it does occur to me that perhaps your suggestion of the 15th is pushing it a bit much. What with the mails (even air mail!) being what they are, I would doubt that we could get it set up in time for sometime during the week you suggest. I would think that soon after the first of November would be better. Say, something towards the middle of the week of the 6th--how does that suit? Perhaps when the permissions are all out of the way the best thing to do would be for you to phone me and discuss the exact date.

It was somewhat startling to hear that you have already visited Dunay in Calgary (which I note with some amusement you consider synonymous with "Canada"). I think of Bob as having left here about three days ago and that he probably hasn't arrived out there yet. My reaction to Robertson's hiring of Judy nee Kline was similar to yours, but I thought she was a "protégé" of yours. I'll never forget when she applied to be a graduate student here several years ago getting a copy of her transcript. It was the wierdest transcript for somebody who seemed so clever that I have ever seen.

It will doubtless surprise you, but I read your paragraph over and over before I could figure out what you were talking about with reference to Tennessee. Finally, it dawned on me. I gather that all you heard about it was who won. If you read the details of the contest you will discover that it was virtually even. Tennessee ran up 21 points in the first half before our green team matured a bit. The second half was all Penn State, and only the lack of a few seconds more time saved the game for Tennessee. A few of us believe that Tennessee would have won had the game been played at State College, which it should have been since we played them down there

Dr. Charles J. Felix

-2-

October 6, 1972

last year!

Best wishes until we see you again (sure am sorry you won't be going to Rhode Island).

Yours very truly,

Alfred Traverse
Professor of Geology

AT/vsi

MASS. BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS
1900-1901

November 16, 1972

Dr. Charles J. Felix
Sun Oil Company
840 Gibraltar Life Building
P.O. Box 2880
Dallas, Texas 75221

Dear Charlie:

Thank you very much for the photomicrographs which you sent me a while back, a large proportion of which have found their way onto my plate for the history of palynology paper. You didn't say what you wanted me to do with the surplus photos. If you have no further need for them, they would eventually be useful here for teaching purposes. On the other hand, if you would like them back it would be the least I could do to package them up and send them to you. Let me know.

You said in your covering letter that all of the pictures were at a magnification of 500x, and I have worked backward from this to figure out the size in microns. In a few instances this seems to produce an unusual result, and I just thought I would send along to you a xerox of the finished plate and the captions for it so that you could check the sizes and let me know if any of them are outrageously wrong. The sizes are only supposed to be approximate anyway, and I would say not to bother suggesting a change unless they are wrong by 25 percent or more.

Thanks again and best wishes.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi
Enclosure: xerox of plate & captions

CATALOG OF FOSSIL SPORES AND POLLEN

Felix

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



THE
INTERNATIONAL COMPENDIUM
OF
PALYNOLOGICAL SYSTEMATICS

15 Nov. 1972

Dear Charlie -

Secretary is off today ("moving up" as she calls it - to an apt. in town - she lives in the boony-boonies during the non-snow mos.), so I decided I'd better go the old fashioned way!

Reservations for you & Raech are squared away - at Sheraton - making distance from campus and much more comfortable than the quaint Victory Lion Inn on campus. Made 'em for single rooms and for nights of 28 & 29, tho' it is possible you intended to return to Pgh. the 29th, p.m. Try to cancel second night after you get here. If it's snowing, you might have to stay!

Regarding the plans for your visit - I believe I'll take advantage of your kindness and ask you to perform twice - once strictly palynologically at our house, Tues. evening (facilities for 35 mm. projection), one public lecture* - but it will be competing with a featured official visitor so I don't expect a big crowd (perhaps 25-30), and it will be in

Hunt Institute for Botanical Documentation

* either Tues. or Wed. afternoon,
depending - Wed. would be better for ya?

a conference room — your jazzy title "Aspects of
Petroleum Exploration in the Arctic" sounds good — I probably
will stick in the word "geological" somehow. How about
a title for the specialized presentation? (A. S. A. P.)
Slide conference in lab is also a possibility — but we may be
struggling for too much in 36 hrs. since you also must work
with Bill S.? Time of public lectures still not certain
but sched. looks like this:

Tues. 28 Nov. :

4⁰⁰ p.m. public lecture? *

6⁰⁰ " dinner — you, Ralph^(?), Betty + I
(this is my pay-off to her for putting up w.)

8⁰⁰ # " seminar at Traversos ←

Wed. 29 Nov.

10⁰⁰ a.m. slide conference in Deike #18

12⁰⁰ m. lunch w. ^{you,} Anos, Ralph & me.

4⁰⁰ p.m. public lecture? *

* alt. times — not
certain yet.

Hope this suits. Best wishes.

So ever,

Al Traverso



NORTH AMERICAN EXPLORATION AND PRODUCTION GROUP
Developmental Projects Division
Research Department

SUN OIL COMPANY 503 NORTH CENTRAL EXPRESSWAY, P.O. BOX 936, RICHARDSON, TEXAS 75080 (214) 744-4411

November 10, 1972

Dr. Alfred Traverse
Department of Geology
Pennsylvania State University
University Park, Pennsylvania

Dear Al:

Had a little difficulty communicating with Ralph Gray but believe we have it worked out now. Due to my returning to Dallas rather late on the 26th and Monday plane schedules, I won't get into Pittsburg before mid-afternoon and so will not plan to make it to University Park on Monday. Ralph and I will drive over (as early as feasible or necessary) on Tuesday, the 28th, stay over Tuesday night and all day Wednesday. Ralph will be taking vacation and is more restricted for time than myself. I had intended to have a very flexible time schedule, but I am glad Ralph is available for company on the drive and he can be a help in talking with Bill Spackman.

Actually the primary purpose for making the trip is to discuss with Bill the Sun samples he has, so you might tell him that I will want to spend part of one day with some of his people. I am still not too serious about getting involved in the reflectivity work, but I suppose I should be familiar with techniques, equipment, etc. With the situation what it is in Sun Oil Co., it does not hurt to have more than one paddle at present.

So, it seems that I shall be available Tuesday afternoon and all day Wednesday, the 28th & 29th, and you can plan your schedule accordingly. I will come prepared to give a general, approx. one hour, 35 mm. slide lecture on the Arctic work. I suppose that some general title will do: re: Aspects of Petroleum Exploration in the Arctic. I will also be prepared to do a strictly palynological one, taking some specific problem I have worked on. I will bring a selection of slides as you might want to spend some time in the lab. We can discuss it further after I arrive, but I will be prepared to go about any direction you choose and for as long as you desire.

I would appreciate your reserving some accommodations for Ralph and I for the night of the 28th. Do hope I can make it interesting and am looking forward to it.

Sincerely,

A handwritten signature in cursive script that reads "Charlie".

Charles Felix



NORTH AMERICAN EXPLORATION AND PRODUCTION GROUP
Developmental Projects Division
Research Department

Felip

SUN OIL COMPANY

503 NORTH CENTRAL EXPRESSWAY, P.O. BOX 936, RICHARDSON, TEXAS 75080 (214) 744-4411

September 26, 1972

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

Dear Al:

I have noted to my superior, Dick Weart, my wish to visit Penn State again and that some type of request will be coming from you. Bill Spackman has some of our samples in hand, and I really am interested in keeping abreast of this work, so I don't anticipate any difficulty in being able to come up.

At present the week of October 15th looks best for me. I have some local garden club lectures October 9th and 10th, which I feel I can't break now (I talk on every subject). The week of the 22nd is out due to AASP, and I should note that I have definitely decided not to attend this year's meeting. I just received the program and it left me rather cold, and I am frankly just a little tired and would like to stay at home base for awhile. I want to make the LSU short course in January, and something has to be passed up if I do any work for the company. I suppose I could make it next week if we could get things moving that quickly, but I would say that I generally have the month free except for the 9th and 10th and AASP week.

I have no definite plans or ideas about seminars, etc. and anything I do will be hasty. It would seem that discussing the Arctic work, general aspects, mode of attack, and what I have done myself might prove of interest to students. I can bring some slide materials, and even some of my slides of the islands might prove interesting. I have some rather nice kodachromes of weather, people, transportation, etc. I can always fall back on my old excuse that I'll be doing it free (courtesy of Sun Oil Co.) and don't knock what you get. Seriously though, I believe I can work up something on short notice that students will find a change of pace and interesting.

I spent last week in Canada and dropped by Robertson Research and chatted with Bob Dunay. I was quite impressed by what Robertson has going on such short notice, and Bob should find it interesting and valuable, regardless of how long he stays. One bit of news I have not as yet fully digested was that Judith (Kline) Lentin will start to work for Robertson in Calgary October 1st. Canada may never be the same again.

I have enclosed a suggested paragraph to write to Dick Weart. You may reword it as you wish but the basic thought is that I am going to be on campus anyway and you want to use me for a day, and I want to do it. You might toss in a few additional remarks of your own choosing as to why you want me to stop over - just anything nice as every bit helps these days in Sun Oil Co.

Hunt Institute for Botanical Documentation

I do hope that we can work up something mutually convenient. An after thought, October is not a necessity and you may want to wait until November or later. I still intend to make that visit to Columbus and Jim Schopf, cancelled by my July relapse, and I was considering around the 1st of November for that. Could come on up then. Also - awfully sorry about that Tennessee thing again - guess class and southern Appalachian brutality will tell.

Best regards,

Charlie

Felix

Suggest comments to my boss

file
→ Felix
(even tho' a
copy)

Dr. Richard C. Weart
Division Manager Geology
North American Exploration Division
Sun Oil Company
P. O. Box 2880
Dallas, Texas 75221

Dear Dr. Weart

During a recent visit to our campus ~~in the course of your vitrinite reflectivity work~~, Charles Felix noted that he would be making a return trip during the fall months in conjunction with the reflectance work. I expressed a wish to have him lecture to our ^{small} palynology group at that time, and he expressed his willingness and desire to do so providing company permission were granted. ~~He asked that I direct my request to you, and I would like to request that he be permitted to spend an extra day on campus during his next visit and present some of his palynological work to our students. The material would be of his choosing, and he has mentioned presenting some of his Arctic studies.~~

vitrinite

Such an effort on Charlie's part would help us greatly with our palynological program — particularly in demonstrating what a practical palynologist does, but also (plus some remarks regarding potential value to students, you always go after the best, what a tragedy if Sun Oil did not keep me forever, etc., etc.)

in giving some of the students direct contact with subject material they would get only second-hand from me. I can think of nobody better suited than Charlie and hope you will agree permit him to be with us.

Best wishes,

Yes vt

AT

pg 6

September 21, 1972

Dr. Charles J. Felix
Sun Oil Company
840 Gibraltar Life Building
P.O. Box 2880
Dallas, Texas 75221

Dear Charlie:

Thanks for your recent letter. The prints also came and in very good shape. I very much appreciate them and will be able to use some.

I have reserved the department vehicle to go to the AASP meeting, and I am naturally hoping that you will be able to come up here as planned and go on to the meeting with us. Hope you had a good trip to "Canada"--wherever that is (Prince Edward Island? Arctic Islands?).

Best wishes as always.

Yours very truly,

Alfred Traverse
Professor of Geology & Biology

AT/vsi



1-18-72
NORTH AMERICAN EXPLORATION AND PRODUCTION GROUP
Developmental Projects Division
Research Department

SUN OIL COMPANY 503 NORTH CENTRAL EXPRESSWAY, P.O. BOX 936, RICHARDSON, TEXAS 75080 (214) 744-4411

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

Dear Al:

I have mailed a number of prints, which I had on hand and which may serve your purpose. I did it a bit quickly but am leaving for a short stay in Canada and wanted to get something to you. I find myself just a little short of this kind of thing as I have not been able to do much general sort of work for the past 3 or 4 years. The honeymoon truly ended, and it has been pretty grim and continuing to be so for most of the scientists. Just the engineers and geologists (that put them in their proper niche) are able to breathe easily. In other words I am having to work now but fortunate in being able to provide a service.

I have not had time to see about visiting with you but will get to it as soon as I return from Canada.

Best regards,

Charlie
Charles J. Felix

P.S. All of the photos are at X500 magnification. All are from surface material. I don't believe I noted this info on the little data sheets I typed up.

The number on the sheet corresponds to a photo file number on the back of each print.

April 10, 1968

Dr. Charles J. Felix
Research & Development Division
Production Department
Sun Oil Company
P.O. Box 2880
Dallas, Texas 75222

Dear Charlie:

I wish I could have been along with you and Ed Stanley when you took your interesting sounding field trip the Saturday I returned here. In particular I wanted an opportunity to make clear (if it was not) that I value your friendship more than whether you join or don't join the AASP, the Paleobotanical Section, or any other organization. I would like to have you in this outfit, but if you don't see it that way, that is all right with me.

Best regards to you as always.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

February 28, 1968

Dr. Charles J. Felix
Sun Oil Company
Research & Development Division
Production Department
P.O. Box 2880
Dallas, Texas 75221

Dear Charlie:

Have enjoyed reading your Springer paper very much indeed. Next year I will use it in Geology (Biology) 423 (palynology) but definitely.

Speaking of that reminds me of the whole "turma-subturma, etc." question. Since priority is not involved, why are dates cited with the names? How about author's names?--one certainly doesn't use them for classes and orders--why for anteturmae and turmae? How can people be credited as authors of "turmae" when they did not publish the names as names of "turmae"?

I wonder what your paper will do for Mart Schemel's long-continued labors on the Springer.

Regards all around. See you in March at the South Central G.S.A. meeting?

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kwc

August 23, 1967

Dr. Charles J. Felix
Sun Oil Company
P.O. Box 2880
Dallas, Texas 75221

Dear Charlie:

Many thanks for the sample of lignite and the slide, both of which arrived in perfect condition. I have just finished looking at the slide and can report that the flora surely looks different from the other Wilcox lignites I have been looking at--very different. The Wilcox thing is obviously very complicated. A lifetime work, it would appear.

To what extent are we at liberty to include this Rains Co. locality in our general survey?

Just got back from a two week trip to Expo-67 and Betty's family summer place in the Adirondacks. Very pleasant. I took along a box of work to do while the others swam (I hate swimming unless the conditions are just right, which they are on the average about once every three years), but I did get some rest out of it too.

Best wishes as ever.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

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

July 25, 1967

Dr. Charles J. Felix
Research & Development Center
Sun Oil Co.
P.O. Box 2880
Dallas, Texas 75221

Dear Charlie:

Doug Nichols and I both appreciate your kindness in showing us your facilities and talking about your work when we were on our way south. I think Nichols is still wondering whether the Sun lab really can be an oil company lab in as much as the whole atmosphere at your place was so different from that at the other oil company labs which we visited.

We did pretty well in east and south Texas with our collecting though there is something about weathered outcrops of coal that I do not find very satisfying. I called the various people at Texas Power & Light Company and got something of a run around. There is still some possibility we might be able to look at the cores but I get the impression that the exact location of the holes is a deep, dark secret. I am still working on that matter.

Best regards to Ken Shaw, Judith Kline and of course, to the lady who thinks I am a gentleman, whom I am sorry to have missed.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw



FRED M. MAYES
Director, Research & Development
JOHN D. RICE
Assistant Director

PRODUCTION DEPARTMENT **SUN OIL COMPANY** 503 N. CENTRAL EXPY., RICHARDSON, TEXAS • BOX 2880, DALLAS, TEXAS 75221

June 21, 1967

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

Dear Al:

A note of thanks for the reprint of your paper on Great Bahama Bank palynology. Our carbonate people discovered it before I did and have been very interested in it. I have not had time to digest it, but I anticipate its being very good. In a hasty perusal I was pleased to note your stress on hydrodynamic rather than aerodynamic distribution.

I have also received your letter of the 15th regarding your Texas trip. I'll be delighted to see you and Doug Nichols and would be disappointed if you did not stop. I am almost certain of having the 30th free, for I have been gone for the better part of two months this spring and am going to have to stay home and work this summer. I suppose you will be driving, but if you are flying, give us your schedule and we will pick you up at the field.

Will be looking forward to your visit.

Sincerely yours,

Charlie

Charles J. Felix
Senior Research Geologist

June 15, 1967

Dr. Charles J. Felix
Research & Development Division
Sun Oil Company
P.O. Box 2880
Dallas, Texas 75221

Dear Charlie:

A graduate student of mine, Doug Nichols, and I will be passing through Dallas enroute to Austin of Friday, 30 June, and I would like to have Nichols see your facilities. I would also like to see you again too!

Unless I hear to the contrary from you, we'll phone when we get to Dallas and hope that you can spend an hour or so with us. If you can't, I will understand and look forward to another time.

Best wishes.

Yours very truly,

Alfred Traverse
Associate Professor of Geology

AT:kaw

SUN OIL COMPANY

PRODUCTION DEPARTMENT
RESEARCH AND DEVELOPMENT DIVISION

F. M. MAYES
DIRECTOR

J. D. RICE
ASSISTANT DIRECTOR

503 N. CENTRAL EXPRESSWAY
RICHARDSON, TEXAS

February 1, 1965

Dr. Alfred Traverse
511 East 47th St.
Austin 51, Texas

Dear Al:

It was very good to hear from you and am sorry I seem to be a little tardy in replying. However, we have been busy at work, and there seems to be an unusual amount of illness at home this winter, which has taken up most of the spare time.

To the major item of your letter - I suppose I will attend the AIBS meeting this year and of course I am willing to help out if I can contribute anything useful. However, I am somewhat wary of getting involved with Don Larson. He will have to lay out some pretty concrete plans, for I have had some dealings with that fellow on a couple of occasions and came out feeling that I had been "took". I will just wait and see if I hear from him, and I don't intend to do it by telephone. I am really curious to see if he can write a letter. You see the passing years have not mellowed me one bit. Seriously though, I have a rather heavy spring schedule at the lab and also outside of it, especially a number of speaking engagements in this area and west Texas on church matters and also the text-book situation. So I would not want to start on an AIBS project at this late date unless Don had his symposium organized.

Actually I would rather come to Austin and go over his plans with him in person. I have been wanting to get down for a year or so and do some collecting in the herbarium. It would also give me an opportunity to chat with you. Here things have been in a dreadful slump for a couple of years, but we have had some major administrative changes and the situation is improving to the point that we may use some palynology. I have kept busy and had a good year in 1964. I visited Henry Andrews last spring and taught his paleobotany class for a week and also took a micropaleo class in the geology department for a week. I attended the International Bot. Cong. and June and I spent a month in the British Isles. Pat Paden is turning out to be a fine assistant, and Pat Burbridge may rejoin us this year. She had to stop work for her second child, and I do hope to have her return for she is quite good. If I can get the two girls both working, we should get several nice things completed this year.

Anyway - if you are going to be Larson's legman, tell him I am willing but rather lukewarm. And I do hope I can get down to see you this spring. Meanwhile best wishes in your work and thanks for taking time off to write.

With best regards,

Charlie
Charles J. Felix

SUN OIL COMPANY

PRODUCTION DEPARTMENT
RESEARCH AND DEVELOPMENT DIVISION

F. L. JOHNSON
DIRECTOR

503 N. CENTRAL EXPRESSWAY
RICHARDSON, TEXAS

P. E. CHANEY
ASSOCIATE DIRECTOR
F. M. MAYES
ASSISTANT DIRECTOR

April 3, 1961

Dr. Alfred Traverse
Shell Development Company
P. O. Box 481
Houston 1, Texas

Dear Al:

I am sorry to be so late in replying but have been away from the lab quite a bit, and in view of your query perhaps I should stay away. I spent most of March dragging about with a cold that finally threatened to become pneumonia, and so I gave up and spent all of last week in bed. Guess it's the infirmities of age as I have never had this happen before. The bit of wisdom I cited about the exine is something I have carried about for years. I took a couple of plant biochemistry courses under Barry Commoner a few years ago and first came across it then. I believe that it came from Frey-Wyssling's 1945 work, "Ernahrung und Stoffwechsel der Pflanzen". However, I can't be certain until I dig out some notes as we used innumerable Frey-Wyssling references. It isn't anything new though as I believe that Zetzsche has cited it, and I know that McLean mentioned it in his Theoretical Botany.

The manner of reference citation used in Andrews' book is a little confusing but is the way he wanted it. I thought that a list of suggested reading would be all that each chapter would have at the end but Wiley had different ideas. It was something of a hurry up job and a little disorganized with Andrews being in India and me in Texas. Very little new here and like yourself, I still have a job. But things have been very cautious in recent months, and I don't really know where our research program is going. However, I have lots of interesting problems and far more than I can do; so life is never very dull. Recently spent a few days in Norman at an Ardmore Basin symposium and visited with L. R. Wilson. I was very impressed by the amount of work he seems to be turning out and by his students. They appear to be a good group and are getting an excellent foundation.

Sincerely yours,

Charlie
Charles J. Felix

January 8, 1962

Dr. Charles J. Felix
Sun Oil Company
503 North Central Expressway
Richardson, Texas

Dear Charles:

This is a not very gentle reminder about that statement of yours, "A highly polymerized, cyclic alcohol" (p. 440 of your book). I have found this very tantalizing and have been looking forward to your long promised further information. The sentence itself doesn't make it clear whether Frey Wyssling is responsible or not. How about tracking this down for me?

Hope you and June had a jolly holiday season.

Very truly yours,

Alfred Traverse

AT:nw

bc: Dr. Traverse ✓
Dr. Higgs

Shell Development Company
Exploration and Production Research Division

November 25, 1959

Dr. Charles J. Felix
Sun Oil Company
503 N. Central Expressway
Richardson, Texas

Dear Charlie:

Re the National Pollen Conferences

First National Pollen Conference: Organized informally by Deevey, Sears, and Calvin Heusser (perhaps others). Held at Yale University, early 1953. Get complete details from: Heusser, C. J. First Palynology Conference, Science, Vol. 117, No. 3049, pp. 622-623, 1953. (This meeting is a sore point to me--I was not invited, and Barghoorn presented the Brandon pollen work without my knowledge.)

Second National Pollen Conference: Organized by Stanley Cain. Held as part of AAAS meetings, Boston, Dec., 1953. Details to be found in report of meeting of Section G, AAAS. However, the complete program with abstracts was never published. It was mimeographed. I have a copy.

Third National Pollen Conference: Organized by Calvin Heusser and Kathryn Clisby. Held at Oberlin College, May 18-20, 1956. Program mimeographed. You probably have one.

Fourth National Pollen Conference: Organized by H. P. Hansen and A. Traverse. Sponsored by Paleobotanical Section, B.S.A. Held at Stanford, Palo Alto, Calif., August, 1957, as part of A.I.B.S. meeting. For details, see A.I.B.S. Bulletin, of which meeting program is one number.

Fifth National Pollen Conference: Organized by D. G. Frey and A. Traverse. Sponsored by Paleobotanical Section, B.S.A. Held at Indiana University, Bloomington, August, 1958, as part of A.I.B.S. meeting. For details see A.I.B.S. Bulletin.

The N.P.C. is an informal thing. In fact, it hasn't really any status at all. It will be dead now until someone is minded to organize another meeting and call it the Sixth National Pollen Conference.

Best wishes.

Very truly yours,



Alfred Traverse

SUN OIL COMPANY

PRODUCTION DEPARTMENT
RESEARCH AND DEVELOPMENT DIVISION

F. L. JOHNSON
DIRECTOR

503 N. CENTRAL EXPRESSWAY
RICHARDSON, TEXAS

P. E. CHANEY
ASSOCIATE DIRECTOR
F. M. MAYES
ASSISTANT DIRECTOR

November 19, 1959

Dr. Alfred Traverse
Shell Exploration and
Production Research Division
3737 Bellaire Blvd.
Houston 25, Texas

Dear Al:

I wonder if you could provide me with the dates for the National Pollen Conferences. I recall your giving the history of the conferences last year at Bloomington, hence my writing to you. I am working on a short piece on palynology for Henry Andrews and would like to mention the National Pollen Conferences, but I am not certain on the date of the first one or whether there was one this year (Montreal).

I enjoyed seeing you again at Pittsburgh. It was an interesting meeting for me, and I thought that our afternoon program was quite good.

Sincerely yours,

Charlie Felix
Charles J. Felix

July 29, 1958

Dr. Charles Felix
Sun Oil Company
503 North Central Expressway
Richardson, Texas

Dear Charlie:

As my assistant says, why don't you just pay up and be done with it?

Expulsion of members for nonpayment of voted assessments is covered by the bylaws of the Section. As you would appreciate if you were the secretary, some sort of mechanism of this sort has two essential by-products. It provides a way to prune people from our lists to whom we have been sending notices but who aren't interested. It also provides a lever to persuade people to join the Section or keep in good standing. Without such a lever, we cannot get some people to be active members or to answer our questionnaires. You underestimate the importance of discipline.

Now, the main thing you misunderstand is that there is no necessary connection between being in the Section and being a paleobotanist. One of the nation's outstanding paleobotanists is not a member, as far as I know never has been, and wants no part of us. That's up to him. We don't have to bother him with our notices, which he doesn't want anyway. I would agree that a professional standard would be desirable, and I'm all for it. But as long as we're just a B.S.A. Section, we can't establish standards, except for payment of dues and assessments. If we ever get a paleobotanical society, that will be another story.

You also misunderstood "taking part in our meetings"--I meant that you couldn't give a paper or come on the field trip. You may attend the meeting in Bloomington, if you pay your AIBS registration fee. Anybody there can. How else could we operate? If I don't require membership of persons who give papers, what advantage is there to being in the Section? What does the Section become if we have no way of persuading paleobotanists to join? Is it fair for "x" to pay his assessment and have no advantage over "y" who doesn't pay? Why should "x" then pay?

There is no palynological section, affiliated or unaffiliated. Dave Frey and I cooked up the 5th National Pollen Conference, just as I cooked up the 4th National Pollen Conference last year with Henry Hansen's help. The conference this year is co-sponsored by the Paleobotanical

Dr. Charles Felix

2

Section and the Ecological Society. Over half the papers were really submitted to the P.S. and later were transferred by me to the Conference.

Your suggestion that the parent society ought to pay the Section's way is legitimate but unrealistic--B.S.A. has never given us more than \$10 a year, which we, by tradition return. Is this another argument for a paleobotanical society?

See you in Bloomington. Why not get right with us and simplify our records? You don't realize the headaches of having lists of active, affiliate, recently-dropped, pending certification from B.S.A., etc.

Very truly yours,



Alfred Traverse, Secretary
Paleobotanical Section, B.S.A.

AT:mlb

Shell Development Company
Exploration and Production Research Division

SUN OIL COMPANY

PRODUCTION DEPARTMENT
RESEARCH AND DEVELOPMENT DIVISION

F. L. JOHNSON
DIRECTOR

P. E. CHANEY
ASST. DIRECTOR

503 N. CENTRAL EXPRESSWAY
RICHARDSON, TEXAS

June 13, 1957

Dr. Alfred Traverse
Shell Exploration and Production Research Div.
3737 Bellaire Boulevard
Houston 25, Texas

Dear Al:

I am sorry to be so tardy in answering your kind call. But I left for west Texas for a few days after talking with you and had quite a bit of car trouble and considerable delay in returning. I discussed the matter of contributing to support of the microfossil catalog with Bob Cordell, our director of geological research. At best, Sun still remains only lukewarm and what we do may well depend upon what Magnolia does. It is a funny company Al and in some respects gives me everything I wish, but at other times can be awfully hard headed.

I can get an okay to go to California early for the field trip, but thinking that I had waited too late, I have made plans that won't permit me to get there in time. We will return from the east only about the 19th, and I just don't feel right about driving in and leaving a new wife a day or so later. I plan to attend the meeting proper and return to Dallas immediately. I guess the idea of marriage has got me a little jumpy, but I certainly don't want to do anything that might endanger this one.

I would like to visit you but it will have to wait a little while since it has been suggested here that I get my miocene work in report shape before I marry. We have our research meeting in September so I won't have much time for work after the end of July. I am rather satisfied with the way my work is developing and should also have a lab by the end of the year as construction is scheduled to begin this month. A student of Henry Andrews has just arrived to work for me this summer, and though not to familiar with the work, she should be a great deal of help. I have two male technicians, one quite poor but the other of considerable help; and so I expect to give that miocene a run for its money this summer. At least I hope I can bring down something interesting to show you later in the year.

I certainly hope that I can begin being of some help to palynology in the near future as I am beginning to feel like deadwood now.

Sincerely yours,

Charlie

Charles J. Felix

February 7, 1957


Dr. Charles J. Felix
Sun Oil Company
503 N. Central Expressway
Richardson, Texas

Dear Charlie:

Thanks for the information about your membership in B.S.A., which I should have remembered from our Dallas visit. To join the Paleobotanical Section, all one needs to do is indicate on the periodic questionnaires sent out by the Society's secretary that you wish to affiliate with the Section. In addition, you must pay the occasional (last one - 1953) assessments voted by the Section, to pay for postage and the like. I have put you on our list, and that does it, as far as I am concerned. You do not owe an assessment, as you were not a member in 1953.

Hope you and John had a nice time in Tulsa. I should have liked to have been along. At the time, I was in California making arrangements for the August meetings and visiting some of the laboratories out there.

Very truly yours,


Alfred Traverse, Secretary
Paleobotanical Section, B.S.A.

AT:hmp

Shell Development Company
Exploration and Production Research Division

December 17, 1956

Dr. Charles Felix
Production Department
Sun Oil Company
503 N. Central Expressway
Richardson, Texas


Dear Charlie:

Your chief will eventually get the official acknowledgment of the courtesies you extended Bert and me. In the meantime I'd like to say that we had a very good time indeed, and it was a great pleasure to see you so well entrenched in Dallas after such a short time there.

I hope that things will continue to go well and that we will meet again one of these days.

Looking forward to hearing that you are officially in the Paleobotanical Section, I am,

Yours very truly,


Alfred Traverse

AT:rlg

Shell Development Company
Exploration and Production Research Division

SUN OIL COMPANY

PRODUCTION DEPARTMENT
RESEARCH AND DEVELOPMENT DIVISION

F. L. JOHNSON
DIRECTOR

P. E. CHANEY
ASST. DIRECTOR

503 N. CENTRAL EXPRESSWAY
RICHARDSON, TEXAS

Dec. 4, 1956

Dr. Alfred Traverse
Shell Exploration and Production Research Div.
3737 Bellaire Boulevard
Houston 25, Texas

Dear Al:

Sun would be delighted to have you pay us a visit next week during your stay in Dallas. My setup is still quite temporary and very little to show, but I am getting some work done and will welcome any advice.

The lab is rather easily reached, but you might call after you arrive so that I'll be sure to be here. Riverside 7-1611, Ext. 856. I shall be looking forward to seeing you again.

Sincerely yours,

Charlie
Charles Felix

CF:gl

(11)
November 22, 1956

Dr. Charles Felix
Production Department, *Sun Oil Co.*
Research and Development Division
503 N. Central Expressway
Richardson, Texas

Dear Charlie:

According to tentative plans, I should be in Dallas for a couple of days around the 11th of December. If it's agreeable to you, I thought I might pay you a visit at the same time. Let me know if this would be acceptable.

Regrettably, we are still not very well set up here and would not be able to show you very much, but surely in the fairly near future we shall be able to invite you to take up the option for a visit that you placed several months ago.

Best wishes.

Yours very truly,



Alfred Traverse

AT:rlg

Shell Development Company
Exploration and Production Research Division

August 13, 1956

Dr. Charles Felix
Sun Oil Company
Research and Development Division
503 North Central Expressway
Richardson, Texas


Dear Charlie:

Thanks for your nice letter of August 7. I am delighted to know that you are "in residence" with Sun now. Having been through it three times in four years, I am in a good position to sympathize with your problems of getting settled in a new laboratory. You will do very well indeed if you get ready to do much work before 1957.

I am planning to take a week's vacation beginning next Tuesday, in Indianapolis and Columbus. I will then spend a week with Kremp and Spackman at Penn State and proceed to Storrs. In other words, your visit here will have to wait until after the meetings. Perhaps we can discuss the matter at Storrs. You are, of course, quite welcome. Offhand, I'd say as early as possible in September would be best.

Looking forward to seeing you again, I am,

Yours very truly,


Alfred Traverse

AFT:rlg

Shell Development Company
Exploration and Production Research Division

SUN OIL COMPANY

PRODUCTION DEPARTMENT
RESEARCH AND DEVELOPMENT DIVISION

F. L. JOHNSON
DIRECTOR

P. E. CHANEY
ASST. DIRECTOR

503 N. CENTRAL EXPRESSWAY
RICHARDSON, TEXAS

August 7, 1956

Dear Al:

Just another one of my brief notes to let you know that I have finally arrived in Dallas. I am here and ready for work, but generally about all I have done thus far is to spin my wheels. My sole item of equipment when I arrived on July 23rd was a large, comfortable chair, nothing else. However my scope should be in before the end of the month, and I have ordered sufficient equipment to get me into business. The real problem is the usual one, that of space. There just isn't any at present, and I am afraid that the people here are just slightly naive about how makeshift I can be.

Still it is a wonderful feeling to be working in this atmosphere and a far cry from Columbus. I regret to say that my final leave taking from the Survey was rather stormy although I certainly never intended for it to be that way.

One of the main reasons for this rambling letter is to see if I could visit your lab in the near future. I have some spare time on my hands before my equipment begins to arrive and I could certainly use some advice on techniques, etc. I have been over to visit John Grayson's lab, and he certainly has a lovely setup; I just hope that I can do as well some day. Another problem is that of the assistant that was given to me; as yet I haven't had anything for him to do, but from a few things I have picked up I may have drawn a real lemon. Anyway I would like for him to see your lab and perhaps go over some techniques and routines with your assistant. So if it can be arranged and you have a few hours to spare soon Al, I would like to receive an invitation to visit your lab. How blunt can one be?

Sincerely yours,
Charlie

June 9, 1956

Dear Al:

Just a brief line since I imagine you are interested in the outcome of my trip to Dallas, and in turn I will welcome any frank comments you would have to make. I flew down to Dallas after the Oberlin meeting and remained two days. I was quite impressed by the Sun Oil lab; it is a new structure about 12 miles north of Dallas and I believe was completed in December of 1955. It is of course a small installation, but the youth and spirit of the people I met was most heart warming after the long months of isolation and apathy of the Columbus lab. The first problem to be tackled is one of the miocene of Louisiana. I ~~would~~ have to work in one of the present paleo labs, but plans are for a pollen-spore lab to be built in 1957.

After I returned to Columbus the position was offered to me, and I have accepted it. The starting salary is \$7000 per year, which I feel is some improvement over Tippo's \$4200. They are remodeling a lab for me to provide a fume hood, sink, acid cabinet, etc. I can select my own microscope, camera, centrifuge and thus far have been allotted \$5000 to purchase them. A nice library is available and work in the field will be obtained for me. I shall attend the meetings of specific interest in my work. Although it is not a research position, it was acknowledged that I would wish to do some research and that I would be permitted to publish (if I ever have time). I will have one full time assistant plus services of the other departments such as photography, drafting, secretarial, etc.

In brief that is it. It may not be a world beater and certainly is probably not as attractive research wise as my present position, but I am going to be largely on my own and have to make my own decisions. Jim's complete domination of his people, the poor morale of the lab, and my horribly muddled domestic affairs the past few years have all served to make a change advisable. Jim is taking it rather bull-headly (is there such a word?) and won't admit that I am actually going. I also talked with Ralph Miller by phone, and he made my survey future sound awfully promising. However it all involved remaining in the coal lab, and I can't do that. The Sun research people are quite aware of my limited knowledge of pollen, but they seem more concerned with setting up a long range program rather than expecting immediate results. If it is agreeable with Sun, I plan to make July 13th my last day here, vacation briefly with my parents in Kentucky and report in Dallas July 23rd.

I want to get my work here in decent shape for someone else to pick up later, but I decided to live it up and take some time off this past week. So I drove down to St. Louis and spent a few enjoyable days with the Andrews and my many friends there. Henry Andrews seemed to think the Texas position sounded good and that I was probably making a wise move. A.J. Sharp of Tennessee, my other godfather, took a dim view of it but he has always bitterly resented industry pulling people from teaching with their money.

I shall drop a change of address later. Too, may I thank you again for your kind hospitality during your eastern visit.

Very sincerely,

Charlie

(C. Felix)

P.S. Despite the temperature I thought Dallas and the surrounding country quite attractive.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Coal Geology Lab, Orton Hall
Ohio State Univ., Columbus 10, Ohio

25 March, 1956

Dear Al:

Just a brief, and quite tardy, note of thanks for your recent reprints. I certainly appreciate them, and I hope that some day in the far distant future I can repay you in kind. The B of M report on your Brandon lignite spore and pollen studies was a pleasant surprise as I had no idea it was in the mill. I think the plates turned out quite good, better than I would have expected the B of M to do. I think the publication is going to prove a very useful tool, and I expect to use it a great deal.

Here the situation goes much smoother, and life is rather bearable. I am still keeping an eye out for another position, but it doesn't seem so urgent now and I am not so ready to jump at anything. Tippo recently offered me an instructorship at Yale. However it offered little except prestige; he promised only organizational work in general courses for the next couple of years and a salary of \$4200. I gave it a great deal of thought and finally decided I could not afford such a pay decrease and the possibility of no research time. Your old position was offered to Ralph Gray some time ago, and he indicated that he would go to Denver for a GS-11 rating. They offered to boost it to the 11 grade, but Ralph eventually declined that also. They are evidently having their difficulties filling the vacancy as I know a couple of other men who have declined it. Among the more encouraging contacts I have made has been one with Magnolia Petroleum Co., but I feel somewhat handicapped in my lack of knowledge of pollen work.

We have virtually finished the Dakota lignite studies, and they were released as a TEI late in 1955. Ralph Gray and Schopf are now winding up the rest of our Dakota material and some Idaho material. For the past three months I have been working on the fines (small spores) from several coals in the Breathitt formation of eastern Kentucky, and I am finding some unusual forms and there is encouraging promise of good correlations with the spores. Perhaps God and the survey will permit me to publish some of this material, but don't hold your breath waiting.

I note your name on the list of guests for the pollen conference at Oberlin in May, so I suppose I will see you then as I hope to attend. Thanks again for the reprints.

Sincerely,

Charlie Felix

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

January 21, 1955

Dr. Charles J. Felix
U.S.G.S. Coal Geology Laboratory
Orton Hall
Ohio State University
Columbus 10, Ohio

Dear Charlie:

Thanks for the reprint. I am still quite interested in Paleozoic paleobotany, though my principal work now is rather remotely related thereto!

Please keep me informed about your research and so forth.

Enjoyed chatting with you in November.

Very truly yours,



Alfred Traverse
Coal Technologist

Enclosures

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cc: East
Traverse
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