

November 22, 1966

Mr. Douglas O'Brien and Mr. Frank Morrison
c/o Mr. Sheldon Breiner
Quantum Electronics Division
611 Hansen Way
Palo Alto, California

Dear Doug and Frank:

I have written a simpleton report for Dr. Foti and have enclosed copies for you. I would very much like to see your more technical one when it is ready. If you want clearer copies of any of the maps, please let me know--I had them printed the cheapest way possible for the report.

Last week I spent 3 days in the Harvard Forest, Petersham, Mass. with Walter Lyford, Soil Scientist. Shelly was right about the bedrock--it was very magnetic. Each day it got colder and each day, we found more of it. In going from a hill region to a peat bog (lower and probably closer to the bedrock), we had increases of 1000 units. It was great sport wandering in and out of the trees and underbrush. The magnetometer worked well except that it took an hour to warm up the sensors--meantime we froze.

We've had an inquiry about finding open shafts in and under a mass of brick in Egypt. I figure that a shaft might make an anti-magnetic anomaly of about 60 , but I'm wondering if there would be complications from the mass of the brick. What do you think?

Giacinto asked about you in his recent letter and is very eager to hear from you--just a card if not boots.

With best regards,

Beth Ralph

415-845-6000 - Univ.
ext 3804

December 16, 1966

Mr. Frank Morrison
Department of Mineral Technology
University of California
Berkeley, California

Dear Mr. Morrison:

Beth Ralph has told me about your interest in the University of Pennsylvania. I would like to do all I can to encourage it further.

As a first step, would you please send me a copy of your Curriculum Vitae for our files? I realize that there is no great hurry, but it is always good to have those things in hand.

Next time you expect to be in the east, please let us know so that we can get together. In the meantime, if you could give me some idea of the kind of research you would like to do in the future, it would be most helpful. As you know, we have close ties with the University Museum and are in the process of developing an active program in geochemistry and geophysics.

We look forward to hearing from you.

Sincerely,

Henry Faul
(Chairman)

HF:mf

No reply by
Feb. 1, 1967
HF

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DEPARTMENT OF MINERAL TECHNOLOGY
CERAMIC ENGINEERING
METALLURGY
ENGINEERING GEOSCIENCE

BERKELEY, CALIFORNIA 94720

April 11, 1967

Elizabeth K. Ralph, Associate Director
Applied Science Center for Archaeology
The University Museum
University of Pennsylvania
33rd & Spruce Streets
Philadelphia 4, Pennsylvania

Dear Beth:

After the customary long delay, Doug and I ~~have~~ finally re-edited the paper last weekend. We have changed very little and our draftsman is currently making the corrections to figure 1.

I will be in Washington on April 18 and 19 for the A.G.U. Meeting and have scheduled Thursday in Philadelphia to visit with you and Dr. Faul. Hope somebody will be around, otherwise I will browse through the Greek collection.

If you find the paper satisfactory, you can send it into Geophysics, otherwise we can talk about it on the 20th. May Bacchus favor you with many happy hours.

Sincerely,

Frank Morrison
Assistant Professor of
Geophysical Engineering

FM: skw

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DEPARTMENT OF MINERAL TECHNOLOGY
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BERKELEY, CALIFORNIA 94720

April 24, 1967

Elizabeth K. Ralph
Associate Director
Applied Science Center for Archaeology
The University Museum
University of Pennsylvania
334d & Spruce Streets
Philadelphia, Pennsylvania 19104

Dear Beth:

I received your blurb from Barringer when I got back this morning. The INPUT system is basically very sound but I wonder how much development it will take for locating small anomalies you have in mind. It would probably be an interesting project to work on but might cost a bit of money.

I enjoyed our visit very much and was glad to meet Dr. Stevens, Dr. Michaels, and the others that we talked to.

There is a outside chance that a research committee here might finance some of my travel costs in going to Greece this summer. In this regard it would be helpful if I could receive some sort of official invitation to participate in the project. You might keep this in mind if current financing plans run into difficulty. Eagerly looking forward to more news of this venture,

Sincerely,

Frank

Frank Morrison
Assistant Professor of
Geophysical Engineering

FM:skw

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A Tribute to the People of California

DEPARTMENT OF MINERAL TECHNOLOGY
CERAMIC ENGINEERING
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BERKELEY, CALIFORNIA 94720

January 26, 1968

Miss Elizabeth K. Ralph
Associate Director
Applied Science Center for Archaeology
The University Museum
University of Pennsylvania
33rd & Spruce Streets
Philadelphia, Pennsylvania 19104

Dear Beth:

I have sent along under separate cover, air mail, the box of slides of yours that I kept to have duplicated. I am quite sure that these are not the slides that you wrote and asked Sheldon about last week, but it is about time I got them back to you anyhow. Enclosed are two more that I found in my drawer after the others were wrapped.

Hope all is going well.

Sincerely,

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

H. F. Morrison
Assistant Professor of
Geophysical Engineering

HFM: sw

Enclosures (two)

January 31, 1968

Dr. H.F. Morrison
Department of Mineral Technology
University of California
Berkeley, California 94720

Dear Frank,

Many thanks for sending the slides. I can't imagine what I did with the ones that I took at Thera. I thought that I snapped some interesting shots of the magnetometer being transported up the steep cliffs by mule. Perhaps, I dreamed it after too much Santorino wine.

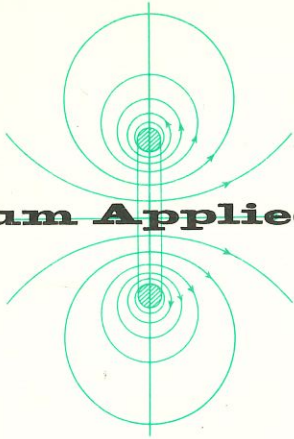
I hope that someday we shall hear from Geoexploration. If not, there is always Lerici's yearly publication. He is eager for an article.

The exact time of the Mexico trip is still uncertain, but Dr. Rainey hopes to find out soon.

With best regards,

Elizabeth K. Ralph

EKR/abn



Museum Applied Science Center for Archaeology

Froelich Rainey, Director

Elizabeth K. Ralph, Associate Director

THE UNIVERSITY MUSEUM • UNIVERSITY OF PENNSYLVANIA
33rd & SPRUCE STREETS • PHILADELPHIA, PENNSYLVANIA 19104
594-7400 (Area Code 215) Cable Address "Antique"

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DEPARTMENT OF MINERAL TECHNOLOGY
CERAMIC ENGINEERING
METALLURGY
ENGINEERING GEOSCIENCE

BERKELEY, CALIFORNIA 94720

December 20, 1967

Miss Elizabeth K. Ralph
Associate Director
Applied Science Center for Archaeology
The University Museum
University of Pennsylvania
33rd and Spruce Streets
Philadelphia, Pennsylvania 19104

Dear Beth:

Just a short note to say that I'm sorry to hear that you have had such a bad time with your back. I hope you are finding the situation not too intolerable and that your elbow isn't affected.

Not a work yet from Geoexploration other than to say they received the manuscript. I suppose they will collapse before our paper makes it. We should try the Readers Digest next.

Things here are in their usual state of bedlam. I'm getting more or less to the end of two major projects and hope to start some research into marine exploration in the next few months. I heard about the Mexico project from Doug (Shelly didn't want to tell me as he was afraid I might sell my car and finance the trip myself) and we may work out some way to get there.

My regards to Dr. Rainey, and best wishes for the New Year.

Sincerely,

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

H. F. Morrison
Assistant Professor of
Geophysical Engineering

HFM: sw