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CABLE ADDRESS: ACADEMIC NEWYORK

February 6, 1973

Mr. Henry N. Michael
and
Miss Elizabeth K. Ralph

Dear Mr. Michael and Miss Ralph:

Thank you for taking time out of your busy schedules to meet with me and discuss our proposed new journal, *Chronometry and Stratigraphy*. Any further ideas and advice from you would be greatly appreciated. I hope that we can at least resolve the question of who will edit this journal before the SAA meetings in San Francisco in May.

Again, thank you for your time and hospitality. I will keep you both informed as we make progress towards the eventual publication of this new journal.

Sincerely yours,

SEMINAR PRESS, INC.

Stanley Holwitz

SH/lm



University of Cincinnati

Cincinnati, Ohio 45221

DEPARTMENT OF GEOLOGY
OLD TECH BUILDING

June 11, 1973

Dr. Elizabeth Ralph
University Museum
33rd and Spruce Streets
Philadelphia, Pennsylvania 19174

Dear Dr. Ralph:

Pursuant to our phone conversation of June 7, I am pleased to have your contribution to the Symposium: Archaeological Geology: the Old World. I understand this will feature the highlights of your geophysical work at Sybaris. I am convinced this paper will be one of the highlights of the session.

Please use the enclosed forms and return your abstract to me at my university address within the next two weeks. We are asking all participants to express the results of their work explicitly, avoiding generalities. Geological Society of America abstract forms are photo reproduced and instructions are included to help you in preparing the form.

The annual meeting of the GSA will be held in Dallas, Texas this year, November 12-14. I will give you more details about the date and time of this symposium after the program has been completed.

With every good wish

Sincerely,

A handwritten signature in cursive script that reads "Reuben G. Bullard".

Reuben G. Bullard

RGB:wo



**THE
GEOLOGICAL SOCIETY
OF AMERICA**

Date: August 15, 1973

Elizabeth K. Ralph
Department of Physics
DRL. University of Pennsylvania
Philadelphia, Pennsylvania 19174

Dear Ms. Ralph:

We are pleased to advise that your abstract submitted for presentation at the 1973 Annual Meetings of The Geological Society of America and Associated Societies in Dallas, Texas, has been reviewed and accepted. Your paper is scheduled for presentation as follows:

Title: THE SEARCH FOR SYBARIS WITH PORTABLE MAGNETOMETERS

Session: ARCHAEOLOGICAL GEOLOGY: OLD WORLD

Place: Convention Center, N218 & N219

Day: MONDAY, November 11, 12, 13, 14 (date circled)

Time scheduled: 1330-1350 a.m.; p.m.

Time allotted: 20 minutes, including discussion.

One of the most common complaints the Technical Program Committee receives concerns the poor quality of slides. Enclosed you will find a copy of the Gould short note giving a simple rule to insure satisfactory slides. We urge you to review carefully your slides for conformance to this rule!

Projection facilities will be limited to 2-x-2-inch slides only. ONLY ONE PROJECTOR AND ONE SCREEN WILL BE AVAILABLE IN EACH ROOM. Carousel projectors will be used throughout, and extra reels will be available for loading at least one-half hour in advance in the room where your paper is to be presented. As insurance, make a trial run with carousel equipment before you come to Dallas. All authors must make duplicates of slides that are to be repeated.

We wish to thank you for submitting your abstract and participating in the forthcoming Annual Meetings. If you find that you are unable to present your paper, please notify us at once by contacting Irene Woodall at (303) 447-2020.

Sincerely,

Claude Albritton

Claude Albritton, Chairman
1973 Joint Technical
Program Committee

Enclosures



THE SEARCH FOR SYBARIS WITH PORTABLE MAGNETOMETERS

Ralph, Elizabeth K., Department of Physics,
DRL, University of Pennsylvania,
Philadelphia, Pennsylvania 19174

The University Museum undertook the task of locating the ancient Greek city of Sybaris that was founded in 720 B.C. and destroyed, supposedly by the unneighborly Crotoniates in 510 B.C. From the evidence of pottery found by drilling, we discovered that the archaic city lay at depths of 4 to 5 meters under alluvial clay and well below the present water table at 1 meter. Ancient authors had written that the city lay between two rivers, the Crati and the Sybaris (now the Coscile), but on this large plain of 25 by 40 km, the rivers have meandered and now flow combined for 5 km before entering the Ionian Sea.

Since excavation on a large scale and with the water problem was impractical, we turned to geophysical prospecting techniques. For the first seasons of field work (1961-1964), we used an Elsec proton magnetometer, which had been developed at Oxford University specifically for archaeological prospecting. With it, we detected a massive long Roman wall that extended up to within 1 meter of the surface. However, we soon realized that with 1 gamma sensitivity at best, we would not detect the archaic ruins. Therefore, we contacted Varian Associates who designed and built a portable cesium magnetometer which has a maximum sensitivity of 0.05γ when used in a differential 2-sensor mode for the cancellation of diurnal changes. This enabled us to detect deposits of archaic roof tiles and structures which are now being excavated by means of well-point systems, by the Italian Department of Antiquities.

CLASSIFICATION
(underline one):

Crystallography
Economic
Engineering
Environmental
General
Geochemistry
Geochronology
Geology Educ.
Geomorphology
Geophysics
Hydrogeology
Geoscience
Information
Marine Geology,
Geophysics
Mineralogy
Paleontology
Petrology
Planetology
Pleistocene
Sedimentology
Stratigraphy
Structure
Tectonics
Volcanology
Other: _____
Archaeology

Oral Discussion Symposium Archaeological Geology: the Old World
(title of symposium)*

Speaker Elizabeth K. Ralph

Indicate authors who are not GSA members _____

Percentage of paper previously presented 300%, where and when AIA lecture tours

Other abstracts submitted to this meeting (an individual may author or co-author no more than two uninvited abstracts and may present only one paper) _____

Only 2 x 2 inch slides can be projected, and only one screen will be available during a technical session.

Employer's permission to publish, if required, is the author's responsibility.

Temporary address of senior author, with dates (for correspondence purposes) Address same as above

*Please note, all symposium abstracts (originals plus two copies) will have to be sent to the organizers of the respective symposia, not to GSA Headquarters.

November 17th, 1973

Dr. Herbert Haas
Department of Geological Sciences
Southern Methodist University
Dallas, Texas 75222

Dear Dr. Haas,

This is a mis-directed note to thank you and your wife for your kind hospitality and, especially, for the delicious dinner. I forgot to write down your home address.

I enjoyed my brief stay in Dallas, and hope now that you and your family will find an excuse to come to Philadelphia.

If you would like to have some of our 130-year-old oak calibration sample and some assorted sequoias, please let me know.

Sincerely yours,

Elizabeth K. Ralph

November 17th, 1973

Ms. Kay Crosby Ellis
The Dallas Morning News
Dallas, Texas

Dear Ms. Ellis,

This is a short note to compliment you for the excellent article that you wrote about me and the search for Sybaris (The Dallas Morning News, Tuesday, November 13, 1973, page 2C). You did a great job with difficult subjects.

Also, the photographer, Clint Grant, took such a good picture of me that I am wondering if I may obtain a print or the negative. If it is possible, I shall be very grateful.

Sincerely yours,

Elizabeth K. Ralph

TEXAS' LEADING NEWSPAPER

The Dallas Morning News

November 23, 1973

Dear Miss Ralph,

Thanks so much for your nice note. If we had an extra picture I would be happy to send it to you. Unfortunately we have only the one copy and must keep it for our files.

A copy can be printed for you, and the cost for an 8x10 black and white glossy print is about \$2.50 plus tax. If you wish to get one, send a note to the Reference Department, Dallas Morning News, and be sure to tell them that it appeared on Page 2C of the Tuesday, Nov. 13, 1973, issue. They will have the picture and a bill sent to you.

COMMUNICATIONS CENTER, DALLAS, TEXAS 75222, TELEPHONE (214) 747-4611

*Sincerely,
Kay Ellis*



AMHERST COLLEGE

AMHERST • MASSACHUSETTS • 01002

Department of Physics
Telephone: 413-542-2251

September 7, 1973

Miss Elizabeth K. Ralph
Applied Science Center for Archeology
University of Pennsylvania
Philadelphia, Pennsylvania 04191

Dear Miss Ralph:

This note is to confirm our telephone conversation of yesterday. We look forward to having you give a seminar talk approximately 45 minutes in length on Wednesday, October 3. There is normally a tea at 4:15 and seminar talks begin at 4:45. As I mentioned, the department will pay your travel expenses and a \$50 honorarium. If you are amenable, my wife and I would be happy to have you spend the night of the third with us.

The Physics Department here is trying to evoke a wider interest in its seminar program. Several of the faculty members within the department are interested, but uninformed, as to how one dates artifacts. I think this paired interest and ignorance extends to faculty members and students of other departments as well. If, in your talk, you can find a way to show physicists how archeologists utilize some of the tools and concepts of physics, and simultaneously could convince the non-physicists in the audience that there are useful links between physics and more "humane" areas of human endeavor, you will do us a great service.

If possible, could you send me, by return mail, a title for your talk, so that we can publicize it adequately before your arrival?

I presume you will drive up. If you like I can send you detailed instructions for getting here.

Sincerely yours,



Joel E. Gordon
Professor of Physics

JEG:eml

September 11th, 1973

Professor Joel E. Gordon
Department of Physics
Amherst College
Amherst, Mass. 01002

Dear Professor Gordon,

For a title, how about "The Finding and Dating of Archaeological Samples by Geophysical and Nuclear Techniques"? If this seems too cumbersome, please do not hesitate to change it.

I shall be glad to accept your invitation to spend the night at your home, and shall appreciate it if you will send me driving directions.

Sincerely yours,

Elizabeth K. Ralph

AMHERST COLLEGE
AMHERST • MASSACHUSETTS • 01002

Department of Physics
Telephone: 413-542-2251

September 17, 1973

Miss Elizabeth K. Ralph
Associate Director, Museum Applied
Science Center for Archaeology
33rd & Spruce Streets
Philadelphia, Pennsylvania 19174

Dear Miss Ralph:

Thank you for your letter of the 11th. I'm enclosing
two maps. I hope one or the other will serve.

We look forward to seeing you on October 3.

Sincerely yours,

Joel Gordon

Joel E. Gordon
Professor of Physics

JEG:eml
Encs.

413-542-2064
- 2251 (Dept. office)

October 6, 1973

Professor and Mrs. Joel Gordon
Department of Physics
Amherst College
Amherst, Mass. 01002

Dear Pamela and Joel:

This is a mis-directed thank-you letter since I forgot to record your home address. However, I do want to thank you for your wonderful hospitality and to tell you how much I enjoyed my brief stay in Amherst.

The trip home was fine until I decided to take a small detour to visit some cousins in South Orange, New Jersey. As a result, I became snarled in the traffic of "suburbia". At least, I found the cousins at home.

I have enclosed some literature about the heater programmer.

With best regards,

Beth Ralph

BR/ek

September 11th, 1973

Dr. T. A. Rafter
Institute of Nuclear Sciences
Dept. of Scientific and Industrial Research
Lower Hutt
New Zealand

Dear Dr. Rafter,

The new copies of the Proceedings reached us a few weeks ago, and we are glad to have them.

I have enclosed a copy of our MASCA Newsletter, Vol. 9, No. 1 on the subject of corrections for C-14 dates. This curve and the tables derived from it supercede our conference paper, which, unfortunately, contained some errors.

For the C-14 conference here in June, 1976, I have discovered that I must obtain somewhat elaborate permissions from the University since it will be the Bicentennial Year. Along with these I shall need an estimated budget. Could I trouble you for an estimate of the cost of having an International C-14 conference? I have no estimate of what percentage of the conferees should be offered travel, housing, and other expenses prepaid.

Sorry to bother you again after all that you did to make our time so enjoyable and fruitful in New Zealand.

With best regards,

Elizabeth K. Ralph



New York University

Department of Physics

Andre and Bella Meyer Hall of Physics
4 Washington Place
New York, N.Y. 10003
Telephone: (212) 598-3661

*Rick,
Please return
letter. Beth*

19 Dec. 1973

Dr Elizabeth Ralph
Assoc. Director
Applied Science Center for Archaeology
University Museum
Philadelphia, Pa. 19174.

Dear Dr Ralph:

I am writing for three purposes. First, to introduce myself. I am Professor Emeritus of Physics, interested in paleoclimates, among other things.

Second, I have been talking with Prof. Libby at UCLA, and he has suggested your name and address.

Third, I wonder if you could send me a copy of the MASCA newsletter, in particular #1 vol 9. If feasible, can you put me on the mailing list?

We have been doing some studies of cosmic ray neutron production over a sunspot cycle, which pertains to the fluctuations in the C 14 production.

Hopefully after the first of the year I may be able to get down to Philadelphia, and would hope to have the chance to call upon you at that time, and to talk about various matters of mutual interest.

With the season'd best wishes,

Sincerely,

Serge A. Korff
Professor Emeritus.

TELEPHONE 699 199

All correspondence to be addressed
to Director



NEW ZEALAND

In replying, please quote
these numbers
INS-11/9/1/1-TAR

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH
THE INSTITUTE OF NUCLEAR SCIENCES

PRIVATE BAG, LOWER HUTT

24 December 1973

Dr Elizabeth K. Ralph,
The University Museum,
University of Pennsylvania,
33rd and Spruce Streets,
Philadelphia,
Pennsylvania 19104,
U.S.A.

Dear Beth,

I must apologise for not replying sooner to your letter of 11 September. I have just received from Mrs Marsh, a statement of accounts for the last Radiocarbon Conference. I hope this will be of some help to you.

We close today for the Christmas vacation. I look forward to a few days break and to plenty of work in the New Year.

Best wishes for a Happy Christmas.

Yours sincerely,

(T.A. Rafter)
Director

Encl: (1)

*Need to thank
him for xmas card*

~~2:30 Burbank~~
1973?

~~P.O.~~

Dr. Reidar Nydal
Radiological Dating Laboratory
Physics Department
The Norwegian Institute of Technology
Trondheim
NORWAY

Dear Dr. Nydal,

It was good news to hear that you like our calibration curves, & we are glad to give you permission to reproduce Fig. 1 from MASCA Newsletter (v. 9, no. 1, 1973). A photographic copy is enclosed.

We, too, are sorry about the 9th conference, but Philadelphia is just too disorganized to hold a proper Bicentennial in 1976. Also, we have a new Dean who held up our permission until it was too late to obtain funds.

I am sure we should all like to come to Trondheim, and there is still a little hope that we could organize a conference in 1978.

With best regards
Eliz K. Ralph

MUSEUM OF FINE ARTS

BOSTON · MASSACHUSETTS · 02115

Research Laboratory

September 9, 1974

Miss Elizabeth Ralph
The University Museum
Universtiy of Pennsylvania
33rd and Spruce Streets
Philadelphia, Pennsylvania 19174

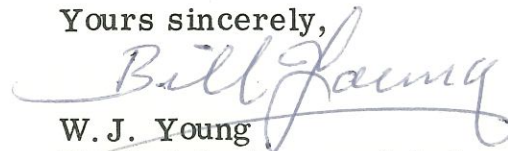
Dear Miss Ralph,

The arrangements for the "Application of Science to the Dating of Works of Art" seminar have been finalized. I am very pleased to inform you that the seminar program has been accepted enthusiastically. As we are trying to obtain a limited delegation, we have had to close the registration ahead of schedule.

Reservations have been made for you at the Copley Plaza Hotel in Copley Square from Sunday, the 22nd, through Tuesday, the 24th. A block of rooms has been reserved for the seminar. Would you please be sure to mention that you are part of the Museum of Fine Arts Group when you are registering, as a special rate has been given. You can make arrangements at Logan Airport to take the airport limousine coach directly to the Copley Plaza Hotel for \$2.25 (which is far more reasonable than taking a taxi).

We will have your gratuity check awaiting you at the seminar. Looking forward to seeing you.

Yours sincerely,



W. J. Young
Head of the Research Laboratory

WJY/aws

MUSEUM OF FINE ARTS

BOSTON · MASSACHUSETTS · 02115

Research Laboratory

October 7, 1974

Miss Elizabeth Ralph
The University Museum
University of Pennsylvania
33rd and Spruce Streets
Philadelphia, Pennsylvania 19174

Dear Elizabeth,

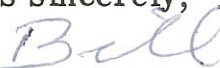
I would like to take this opportunity to thank you for your participation in our "Application of Science to the Dating of Works of Art" seminar which was held from September 23rd to 25th. In my opinion, the papers were of an exceptionally high quality and well received. Judging by the comments we have received, the seminar appears to have been a successful one.

As we feel the important information brought out in the seminar would be lost unless it is recorded, we would like to publish the proceedings of the seminar within the next six to eight months. We would, therefore, greatly appreciate it if you could make every effort to forward us a copy of your paper by the end of November.

It was a pleasure welcoming you to Boston. Again, may I congratulate you on your most interesting paper.

With all best wishes.

Yours sincerely,



W. J. Young
Head of the Research Laboratory

WJY/aws

November 14, 1974

Dr. William J. Young
Head of the Research Laboratory
The Museum of Fine Arts
Boston, Massachusetts 02115

Dear Bill:

We are grateful to you for organizing such an interesting and informative seminar, and also for the generous gratuities.

On Tuesday, I visited Victor Hansen at Winterthur, and we discussed again the subject of how much we enjoyed your seminar.

Mark Han's and my paper are enclosed.

With best regards,

Elizabeth K. Ralph

MUSEUM OF FINE ARTS

BOSTON · MASSACHUSETTS · 02115

Research Laboratory

December 4, 1974

Dr. Elizabeth Ralph
MASCA
University Museum
33rd and Spruce Streets
Philadelphia, Pennsylvania 19174

Dear Beth,

I was delighted to receive the two copies of your paper entitled "Calibration of Radiocarbon Dates". Thank you for being so prompt. It arrived at a perfect time because we are trying to estimate the cost of the publication and needed to know the number of pages, photographs, charts, etc.

I would like to thank you once again for participating in what proved to be a most successful seminar.

With all best wishes.

Yours sincerely,



W. J. Young
Head of the Research Laboratory

WJY/aws

MUSEUM OF FINE ARTS

BOSTON · MASSACHUSETTS · 02115

Research Laboratory

February 4, 1975

Miss Elizabeth Ralph
The University Museum
33rd and Spruce Streets
Philadelphia, Pennsylvania 19174

Dear Beth,

I would like to thank you for so promptly sending your paper for the "Application of Science to the Dating of Works of Art" seminar which was held last September at the Museum of Fine Arts. Unfortunately, we are still waiting for several papers. As soon as they all arrive, I will again be in touch with you giving details of the publication.

Many thanks for your cooperation.

Yours sincerely,



W J. Young
Head of the Research Laboratory

WJY/aws

At the time of the seminar, an exhibition of the famous El Dorado gold from ancient Colombia will be at the Museum.

Program

International Seminar

Application
of Science
to the
Dating of
Works of Art

Museum of Fine Arts, Boston

September 23-25, 1974

Monday, September 23, 1974

- 8:45 Registration
- 9:30 Opening Address: W. J. YOUNG, Head of the Research Laboratory
"The Problems of Thermoluminescent Sampling"
- 10:15 PAUL LEVY, Brookhaven National Laboratories, Long Island, New York
"Physical Principles of Thermoluminescence and Recent Developments in Its Measurements"
- 11:00 Coffee
- 11:30 DAVID ZIMMERMAN, Washington University, St. Louis, Missouri
"The Radioactive Inclusion TL Method for Dating and Authentication"
- 12:15 Lunch
- 2:00 THOMAS CAIRNS, Los Angeles County Museum of Art, California
"Thermoluminescence of Clay Minerals"
- 2:45 VAGN MEJDAHL, Danish Atomic Energy Commission, Denmark
"Beta Dosimetry in TL Dating"
- 3:30 Coffee
- 4:00 MARY-ANN SEELEY, Research Laboratory, British Museum, London, England
"Some Applications of Thermoluminescence Dating in Museum Work"
-
- 6:30 Guests of Dr. David Landau, 350 Beacon Street, Boston

Tuesday, September 24, 1974

- 9:30 STUART FLEMING, Research Laboratory for Archaeology and the History of Art, Oxford, England
"The Impact of Supralinearity and Anomalous Fading upon TL Dating Accuracy"
- 10:15 MARK HAN, University Museum, Philadelphia, Pennsylvania
"Effects of Radioactivity in Pottery"
- 11:00 Coffee
- 11:30 GARY CARRIVEAU, University Museum, Philadelphia, Pennsylvania
"Application of Thermoluminescent Dating to Prehistoric Metallurgy"
- 12:15 Lunch
- 2:00 ROBERT WALKER, Washington University, St. Louis, Missouri
"Fission Track Mapping or the Distributions of Uranium and Thorium in Ceramics"
- 2:45 JOHN FREMLIN, University of Birmingham, Birmingham, England
"TL Measurements on Objects Too Old for Carbon Dating"
-

-
- 3:30 Coffee
- 4:00 E. T. HALL, J. M. FLETCHER, and M. F. BARBETTI, Research Laboratory for Archaeology and the History of Art, Oxford, England
"Recent Work on Dendrochronology and Archaeomagnetism Dating at Oxford"
-
- 6:45 Banquet aboard the *Peter Stuyvesant*
Anthony's Pier 4 Restaurant
Guests of Mr. and Mrs. Paul Bernat

Wednesday, September 25, 1974

- 9:30 ELIZABETH RALPH, University Museum, Philadelphia, Pennsylvania
"Calibration of Radio-Carbon Dates"
- 10:15 RAINER BERGER, University of California, Los Angeles, California
"Recent Advances in Radio-Carbon Dating"
- 11:00 Coffee
- 11:30 R. L. DUBORIS, University of Oklahoma, Norman, Oklahoma
"Archeomagnetic Dating"
- 12:15 Summation of the Seminar:
EDWARD V. SAYRE, Associate Head of the Research Laboratory, Museum of Fine Arts, Boston, and Brookhaven National Laboratory, Upton, New York
- 1:00 Lunch

This seminar was made possible through the generosity of the Samuel H. Kress Foundation.

MUSEUM OF FINE ARTS

BOSTON · MASSACHUSETTS · 02115

Office of Publications

May 26, 1978

Dr. Elizabeth K. Ralph
University Museum
University of Pennsylvania
Philadelphia, PA 19174

Dear Dr. Ralph:

Application of Science to the Dating of Works of Art

The papers contributed to this seminar are now being set into type, and we shall dispatch galley proof to you shortly, probably early in June. We should be very grateful if you would check the proof at your earliest convenience and return it to us within a week of receipt if possible. Your assistance will be appreciated in answering editorial queries regarding textual problems, incomplete references, etc.

After many delays we have now established a rather tight production schedule. The publication date is set for November 1, 1978. If there is any change in your address, or if there will be a temporary address during the summer, please would you be kind enough to inform us promptly, before galley proof is mailed to you? Also, in the case of papers with two or more authors, please let us know whether more than one set of proof is required. Thank you for your cooperation.

Yours sincerely,



D. Margaret Jupe
Editor

DMJ/an

October 5, 1974

Dr. John E. Noakes
Geochronology Laboratory
4 GGS Building
The University of Georgia
Athens, Georgia 30601

Dear Dr. Noakes:

In response to your request, a copy of MASCA Newsletter, Vol. 9, No. 1 is enclosed.

We are (or were) planning to have an International Radiocarbon Conference in June of 1976. However, we made a big mistake to pick the Bicentennial Year because we need the permission of the Committee. Our request has now languished for two years, and if we do not hear from them soon, we shall have to postpone it. We are bugging them daily and hope to have word in the near future.

Sincerely yours,

Elizabeth K. Ralph

EKR/jbq

October 19th, 1974

Dr. Eugene B. Funderburke
619 Franklin Building
I6

Dear Dr. Funderburke,

As a follow-up to our telephone conversation on Friday, I am sending you our preliminary proposal for a Radiocarbon conference which we submitted a year ago. We have just learned that this has been turned down by NSF. Would it be possible for us to apply to the Kress Foundation or can you recommend any other which would give us a speedy answer?

Sincerely yours,

Elizabeth K. Ralph

UNIVERSITY of PENNSYLVANIA

PHILADELPHIA 19174

PATRICIA W. MEYERS

Corporate and Foundation Relations
The Franklin Building
3451 Walnut Street 16

ext. 7921
Dick Carter 5/77

November 14, 1974

Dr. Elizabeth K. Ralph
Associate Director
Museum Applied Science Center for
Archaeology
The University Museum F1

Dear Dr. Ralph:

It was a pleasure talking with you and Dr. Henry N. Michael last Friday about the International Radiocarbon Dating Conference you hope to sponsor in June 1976.

We decided on the following plan of action:

- 1) You and Dr. Michael will rewrite the September 18, 1973 document using the guidelines mentioned below.
- 2) A Development Office writer will take the document you provide, plus any other information materials you may have and recast them in appropriate proposal style and form.
- 3) Once the proposal is finished, our office will provide a final list of foundation and, perhaps, corporation prospects with appropriate background, contact and strategy recommendations. You agreed to postpone contacting the foundations that Mr. Funderburke mentioned until our final list is prepared.

Here are the points you should keep in mind as you revise your proposal draft:

- 1) What is the history and professional importance of the Conference? Is it unique? (Emphasize that it is a coherent ongoing effort.)
- 2) Are there benefits you can outline other than those that accrue to the C-14 Lab and this University.

3) What problems and questions will the Conference address? If it is too early to say, give examples of the kind of thing that has been discussed at past conferences, and the kind of thing which could be considered in 1976.

4) What results are expected?

5) What are the relationships between the Conference and the Bicentennial?

6) Why is it important to publish the proceedings? Why is it such an expensive item? How might this publication happen (through a professional journal? a publisher? independently?)?

7) Why is the University a logical place to hold the Conference?

8) What groups of scholars will be represented? Give a little information about what each group brings to the meeting in the way of special expertise. Give a list of sample (perhaps ten) distinguished names in the field who might participate with a line or two about who they are and what they study.

Any concrete examples you can give will be valuable. Pitch your writing to an intelligent layperson (say, the readership of Saturday Review/World). Do not worry overly much about style -- our writer will help there -- clarity and accurate detail are what is needed.

Please look again at your budget. Build in any inflationary increment needed (5%?). Where possible provide a little more detail. For example, what items make up "hospitality," how does the "temporary executive staff" break down, how will partial travel support be apportioned (1/2 individual's cost?). Do you have a line item for publicity and mailings?

Tony Merritt has confirmed that normally the University does not make overhead charges to conferences, so this item can be left off.

I was sorry to hear that the NSF Social Science funding of the lab which you have received for ten years is now in jeopardy. I don't know what this will do to your plans to host the Conference, but perhaps the wisest

Dr. Elizabeth K. Ralph

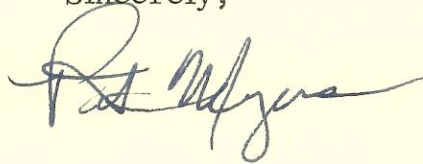
- 3 -

November 14, 1974

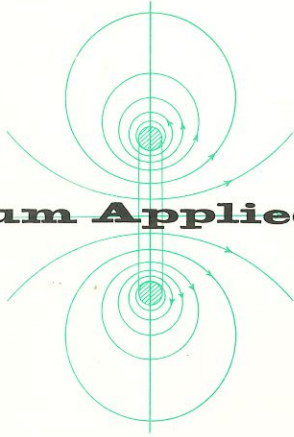
action is to just push forward with our groundwork on conference funding until your own budgetary situation is settled.

Looking forward to seeing you again soon.

Sincerely,

A handwritten signature in cursive script, appearing to read "Paul Myers". The signature is written in dark ink and is positioned below the word "Sincerely,".

PWM:bgd



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
386-7400 (Area Code 215) Cable Address "Antique"

December 11th, 1974

Dear Colleague,

Until today we had hoped to hold the 9th International Radiocarbon Conference in Philadelphia in 1976. We have just learned that the National Science Foundation and two other foundations are not receptive to this proposal for economic reasons.

More than two years have now passed since we initiated our request to hold a conference - one must have various special permissions during the Bicentennial celebrations in Philadelphia. Now that we know that adequate funding will not be available and that time is too short to try to obtain small grants and to organize the conference, we must withdraw our invitation.

We sincerely regret this decision, and we shall miss seeing so many friends in Philadelphia in 1976. Hopefully, some of you will visit us individually.

Sincerely yours,

Elizabeth K. Ralph

Elizabeth K. Ralph

UNIVERSITY OF MIAMI

Dorothy H. and Lewis Rosenstiel

SCHOOL OF MARINE AND ATMOSPHERIC SCIENCE

TRITIUM LABORATORY
305/350-7415

4600 RICKENBACKER CAUSEWAY
MIAMI, FLORIDA 33149
(305) 350-7211
Cable: UOFMIAMI

1975 January 9

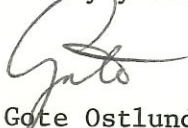
Ms. Elizabeth K. Ralph, Associate Director
Museum Applied Science Center for Archaeology
University of Pennsylvania
Philadelphia, Pennsylvania 19104

Dear Elizabeth:

I am sorry to learn that you have scuttled the 1976 radiocarbon conference. Not knowing how much money you were asking for, I cannot judge if the denial could be justified or not. However, if everybody pays his own way to a symposium-type meeting, a conference fee of \$20 will cover everything except about \$2000 that would have to be applied for. These numbers I get from having organized for five years in a row an 80 member workshop on chemistry and meteorology in Fort Lauderdale during the best tourist season. If you think that this route is feasible, I will be glad to find out from that Fort Lauderdale hotel if they have any opening in either the winter or November of 1976.

May I also thank you for the MASCA Newsletters and wish you a happy new year.

Sincerely yours,



H. Gote Ostlund
Professor of Marine and
Atmospheric Chemistry

HGO:mjf

*Ask him about reaction
to international conf.*

An Equal Opportunity Employer

A private, independent, international university

January 15, 1975

Dr. H. Gote Ostlund
Professor of Marine and Atmospheric Chemistry
University of Miami
School of Marine and Atmospheric Science
4600 Rickenbacker Causeway
Miami, Fla. 33149

Dear Professor Ostlund:

Thank you for your letter of January 9th.

We regret too that we scuttled the 1976 radiocarbon conference, but quite frankly, we think that the bicentennial year is going to be disasterous in Philadelphia. Highways, railways, etc. will not be finished, and appropriate hotels for conferences are already booked. If we had had the permission and some funds in hand a year ago, it would have been possible.

If you want to have the conference in the winter of 1976-77, please go ahead. It might be a good idea to check with Paul Damon and Rainer Berger because they were interested in holding conferences when we were in New Zealand in 1972.

With best wishes,

Elizabeth K. Ralph

January 22, 1975

Mrs. Patricia W. Meyers, Associate Director
Corporate and Foundation Relations
The Franklin Building
3451 Walnut Street?/I6

Dear Mrs. Meyers:

In lieu of our ~~prop~~osed international radiocarbon conference, we are now seeking support for the basic activities of MASCA since we did not receive a new grant from the Social Sciences Division of the NSF. We are anticipating the receipt of a small emergency grant which will keep the salaries of our key personnel going until the end of June, 1975. Thereafter, we ~~sh~~ould be in desperate straits unless the NSF finds some funds or we seek support from other foundations, or perhaps both.

I have enclosed a write-up in which we have described most of the activities of MASCA as well as a copy of the grant proposal which we submitted to the NSF in September, 1974. In the latter, the personnel (now minus two graduate students) are listed in the block diagram following page 37 and the ~~prop~~osed budget for two years is in the last section (VII). We seem to have forgotten to number the pages.

We have a variety of photographs which could be included in a brochure for foundations.

Thank you for your help.

Sincerely yours,

Elizabeth K. Ralph

University of Missouri - Columbia



210 Switzler Hall
Columbia, Mo. 65201

COLLEGE OF ARTS AND SCIENCE
Department of Anthropology

Telephone
314-882-4731

January 15, 1975

Dr. Elizabeth K. Ralph
Museum Applied Science Center for Archaeology
University of Pennsylvania
Philadelphia, Pennsylvania 19104

Dear Dr. Ralph:

Sorry you feel you can not participate in the symposium:
Scientific Creationism Versus Evolution. I am sure the
Velikovsky affair has left a bad taste in many mouths.

I must admit that so far I have been unable to obtain
funds, and the time is getting very short. It could be that
we will not have a symposium in any event.

Sincerely,

A handwritten signature in blue ink, appearing to read 'James A. Gavan'.

James A. Gavan, Ph.D.
Professor

January 9, 1975

Dr. James A. Gavan
University of Missouri-Columbia
College of Arts and Science
Department of Anthropology
210 Switzler Hall
Columbia, Missouri 65201

Dear Professor Gavan:

Thank you for your letter of December 17th and for the enclosures.

A few years ago we had a small grant to date samples from the 19th, 20th and 21st Egyptian Dynasties. We were unaware, when we accepted the grant, that the purpose of it was to support one of Velikovsky's postulates. That little grant caused us so much time and trouble that I decided not to become involved in any more such controversies. Also we have been misquoted in various correspondence and publications ever since.

I realize that your proposal is of a very different nature, but I should prefer not to take part in the symposium although I heartily agree with you in support of the Evolutionists.

I am returning the enclosures in case you want to send them to another person.

Sincerely yours,

Elizabeth K. Ralph

LABORATOIRE MIXTE C.N.R.S. - C.E.A.
BOITE POSTALE N° 1

91190 GIF SUR YVETTE

TÉL. : 907-78-28

Dr. Elizabeth Ralph
Museum Applied Center
for Archeology
The University Museum
33 rd Spure streets
Philadelphia - Penn. 19104

Dear Dr. Ralph,

From september 13 to september 18, 1976, Dr. de Lumley is organizing at Nice (France) the IX International Congress of Prehistoric and protohistoric Sciences. During this meeting, different subdivisions are established and I am in charge of the following subject "Absolute dating and isotope analysis in Prehistory".

I would like to ask you if you may present a paper on the subject :

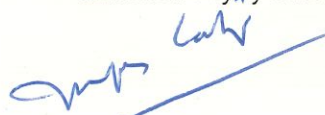
- Tree rings and carbon 14 scale.

A rapid answer would be usefull as I will ask to Pr. de Lumley to send you an official invitation.

The text of the communications, in French, English, Deutsh or Spanish must be reproduced before the congress, the deadline is june 1st 1975. They must be accompanied by a summary in French and in English no more than 200 words.

The text may have, as a maximum 20 pages. A list of 10 key words (maximum) is necessary. If you accept, I shall send you the author's indications as the texts must be directly photocopied.

Sincerely yours



Jacques Labeyrie, Director
Centre des Faibles Radioactivités

P.S. : with the official invitation you will have to apply your National Committee of UISPP to have your travel and expenses covered.

UNIVERSITY OF MIAMI

Dorothy H. and Lewis Rosenstiel
SCHOOL OF MARINE AND ATMOSPHERIC SCIENCE

TRITIUM LABORATORY
305/350-7415

4600 RICKENBACKER CAUSEWAY
MIAMI, FLORIDA 33149
(305) 350-7211
Cable: UOFMIAMI

1975 January 22

Dr. Elizabeth K. Ralph
Associate Director
Museum Applied Science Center for
Archaeology
University of Pennsylvania
Philadelphia, Pennsylvania 19104

Dear Elizabeth:

I am in receipt of your letter of January 15, and I hasten to point out that I am not interested in arranging a radiocarbon conference. I only meant to help you with hotel arrangements, if you wanted to do it this way. Thus, it now seems like it is going to be 1978.

Best wishes.

Sincerely yours,



H. Gote Ostlund
Professor of Marine and
Atmospheric Chemistry

HGO:bjs

An Equal Opportunity Employer

A private, independent, international university



UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Geology and Geophysics
108 Pillsbury Hall
Minneapolis, Minnesota 55455

January 23, 1975

Dr. Elizabeth K. Ralph
MASCA
The University Museum
33rd & Spruce Streets
Philadelphia, PA 19104

Dear Beth:

This is to confirm our invitation for you to give an invited paper on C14 dating at the annual meeting of the Midwest Art History Society in Minneapolis April 11, 1975. Your air fare will be paid and you will be the guest of one of us here. Please let me know your travel arrangements so I can see that you get met at the airport.

It would be appreciated if you could send James Breckenridge (The Institute for Advanced Study, Princeton, New Jersey 08540) your title by February 15. I will be in touch with you again sometime in late February.

Sincerely,

Rip

George Rapp, Jr.
Associate Professor

GRJr/skm

cc: James Breckenridge

609-924-4400
ext 252

Panel - Conf. of Art Historians
A.M. & P.M. session - Motel
Arr. 10th - receptions
20-25 mins.

February 21st, 1975

Dr. Jacques Labeyrie, Director
Centre des Faibles Radioactivites
Laboratoire Mixte C.N.R.S. - C.E.A.
Boite Postale No 1
91190 Gif sur Yvette
France

Dear Dr. Labeyrie,

Thank you for your kind invitation to attend the IX International Congress of Prehistoric and Protohistoric Sciences at Nice from September 13 to 18, 1976. I should like to accept, but first I have two questions.

1) Is the deadline for the papers June 1st 1975 or 1976? I should like to include some new results so June 1st, 1976 would be more convenient. Otherwise, my paper will be similar to two that I have published recently.

2) Would you mind spelling out UISPP? We have been unable to locate it here. I should need travel fare as our Director does not approve of spending money to attend conferences.

Thank you in advance, and I do hope that I shall have the opportunity to meet you again.

Sincerely yours,

Elizabeth K. Ralph

Radiological Dating Laboratory
Fysikkseksjonen
7034 Trondheim-NTH
Norway.

Trondheim, April 1975.

Dr. Elizabeth K. Ralph and
Dr. Stuart Lawn
Department of Physics
University of Pennsylvania
Philadelphia, Pennsylvania 19104
USA

We have been informed that the 9th international conference on radiocarbon dating is not going to be held in Pennsylvania in June 1976.

Under these circumstances we have the intention to arrange a conference in Trondheim in June 1976, if no one else has started to prepare an arrangement. We believe that it will be possible to cover the financial costs of the arrangement, but that will probably not be the case for the travel expenses of the members.

We think that appreciable new informations are gained in various fields of radiocarbon dating during the last 3 years since the New Zealand Conference. Together with various topics which are wanted at such a conference, we assume that there is still a growing interest for such fields as for instance:

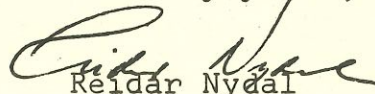
1. Dendro-calibration studies.
2. Study of the carbon cycle in nature.
3. Variation in CO_2 -content of the atmosphere, and exchange of CO_2 between the atmosphere and ocean (and within the ocean), and between the atmosphere and the terrestrial biosphere.

If a conference is going to be held in Trondheim, we will pay appreciable attention to such topics. It can be actual to have partly two parallell sections at the conference in order to attract experienced people who are mainly interested in geo-physical research using CO_2 , ^{14}C , and ^3H as tracers.

If you know that anybody else already has started to prepare a conference in 1976 (or later), please inform us within medio May, as we intend to distribute the 1st circular within July 1.

We presume that rather few of you have spent much of your time in Norway before, and you will have this opportunity to a visit in a very nice part of the year. You can for instance take a trip to North Cape after the conference.

Sincerely yours,


Reidar Nydal

LABORATOIRE MIXTE C.N.R.S. - C.E.A.
BOITE POSTALE N° 1

91190 GIF SUR YVETTE

TÉL. : 907-78-28

Dr. E. RALPH
Museum Applied Center
for Archeology
The University Museum
33 rd Spruce Streets
Philadelphia -Penn. 19104

Dear Dr. Ralph

Excuse me for the delay to answer your letter of February 21 but I needed to obtain some precision from Dr. de Lumley who has in charge the general organization of the congress.

The UISPP representative in your country is :

Dr. Braidwood
The Oriental Institute
Chicago University
1155 East 58th Street
CHICAGO 60637 (Illinois)

He is the man who can give you the funds to come to Nice, if you give him the official invitation you have or you will received from Dr. de Lumley.

Concerning the text of your communication, I can give you a delay until the 1st of october 1975 but this would be an absolute deadline as I have to give all the text to the editor in the course of october as Dr. de Lumley intend to have all printed before the congress.

Now the programme of our colloquium is quite come to an end and I enclosed here the list of personalities who accepted to give a lecture and the proposed titles.

I think that with the official invitation Dr de Lumley has sent you all the circulars concerning the congress, including all the different colloquium and also the general sessions.

If you intend to change your tittle would you be so kind as to let me know it as soon as possible.

I apologize for the long time between the deposit of the manuscripts and the date of the meeting, but it is a general rule for this congress and I am not the general organizer.

Sincerely yours,

Claude Lalou
J. Labeyrie
p. o. Claude Lalou

addresses on letter
(air-mail)

~~Madame~~

Dr. Claude Lalou:

Thank you for your reply of
April 14th.

If there is still time to change
the title of my paper, I should prefer
the following:

"Calibration ^{and Interpretation of} ~~of~~ C¹⁴ Dates by Means
of Dendrochronology," ~~and some~~
~~Geophysical Implications.~~"

I have not yet received the
official invitation from Dr. de Lumley
but I have written to Dr. Braidwood
in the meantime.

Sincerely yours,

Elizabeth K. Ralph

April 22, 1975

Dr. Reidar Nydal
Radiological Dating Laboratory
Fysikkseksjonen
7034 Trondheim-NTH
Norway

Dear Dr. Nydal:

This is good news that you are planning to organize the 9th international radiocarbon conference, especially, after our failure here.

Henry Michael and I will plan to attend and possibly also Barbara Lawn (Mrs. Stuart Lawn).

We shall have some subjects for talks in mind by July 1975.

With best regards,

Elizabeth K. Ralph

April 29, 1975

Dr. Reidar Nydal
Radiological Dating Laboratory
Fysikkseksjonen
7034 Trondheim-NTH
Norway

Dear Dr. Nydal:

Since writing to you on April 22nd, I have received more information from Dr. Labeyrie (copies enclosed) about a conference in France in mid-September. Since they are willing to pay the air-fare for some of us, I am wondering if your conference could be held toward the end of August 1976 instead of in June.

If so, this would reduce the cost for a few of us.

With best regards,

Elizabeth K. Ralph

THE ORIENTAL INSTITUTE

1155 EAST 58TH STREET

THE UNIVERSITY OF CHICAGO

CHICAGO, ILLINOIS 60637, U.S.A.

May 23, '75

Dear Elizabeth Ralph:

I've been writing at home (in Indiana) recently, and found your letter of May 10th when I came into town this morning. Have just tried to get you long distance, but find you're gone to Europe.

We plan to be digging in Turkey at the time of the I.C.P.P. next September (1976) and I have not attempted to be active in the plans for the Nile meeting. Therefore I'm quite uninformed as to the availability of UI SSP funds. The person who I should know is Jimmy Griffin in Ann Arbor, but a call to him, also this morning, discovered he was on the west coast for a week. Hence I send this much along to greet you on your return home.

Sorry our paths have never crossed directly - the time you were here to lecture, we were in the field.

Cordially

Bob Brainerd

Radiological Dating Laboratory
Fysikkseksjonen
7034 Trondheim-NTH
Norway.

Trondheim, June 1975.

Dear Colleague,

Regarding the 9th International Dating Conference

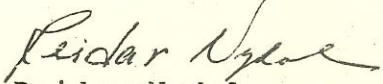
The possibility of arranging an international conference in Trondheim in 1976 has been considered. From comments given to our circular distributed to several laboratories in April this year, we are glad to hear that preparations are going to be made for the 9th International Dating Conference in USA, probably during 1977.

As we do not see important reasons for having double arrangements, or with too short time intervals, we now have decided to cancel our plan for 1976. We wish however to come back later at a more convenient moment.

We have been informed that several laboratories have difficulties in covering large travelling expenses. The International Conference on Low Radioactivity Measurements and Applications to be held in Czechoslovakia in October 1975 is, in this way, very welcomed for European laboratories.

Both the conference in Czechoslovakia in 1975 and the 9th International Dating Conference in USA should be sufficient for our international conference need during the next 2 years.

Sincerely yours,


Reidar Nydal

TELEGRAM: "RESEARCH"
TELEX : 012-397

PHYSICAL RESEARCH LABORATORY
NAVRANGPURA
AHMEDABAD-380009.
(INDIA)

TELEPHONES :
40242 to 46

PRL:DPA:2

July 3, 1975

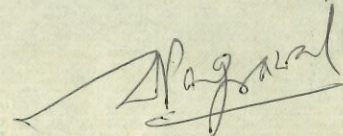
Dr. Elizabeth K. Ralph
Department of Physics
University of Pennsylvania
Philadelphia
Pennsylvania 19104
USA

Dear *E. Ralph*,

I will be interested in the International Radio-carbon Dating Conference to be held in Philadelphia in June 1976. I would greatly appreciate receiving necessary information about the Conference.

Thanking you,

Yours sincerely,



D.P. Agrawal

NEW
Pennsylvania 19104
Philadelphia
University of Pennsylvania
Department of Physics
Dr. Elizabeth K. Ralph

Replied 9/4/75

← SECOND COPY →

BY AIR MAIL

हवाई पत्र
AEROGRAMME
NO ENCLOSURES
ALLOWED



Dr. Elizabeth K. Ralph
Department of Physics
University of Pennsylvania
Philadelphia
Pennsylvania 19104
USA

USA
Pennsylvania 19104
Philadelphia
Dear Dr. Ralph,
I will be interested in the International Radio-
carbon Dating Conference to be held in Philadelphia
in June 1956. I would greatly appreciate receiving
necessary information about the Conference.

← FIRST FOLD →

← THIRD FOLD →

← SECOND FOLD →

SENDER'S NAME AND ADDRESS:

Dr. D. P. Agrawal
Physical Research Laboratory
Navrangpura, AHMEDABAD-380009.
(INDIA)

← TO OPEN CUT HERE →

September 4, 1975

Dr. D. P. Agrawal
Physical Research Laboratory
Navrangpura
Ahmedabad 380009
INDIA

Dear Dr. Agrawal:

Please excuse my delay in replying to your letter of July 3.

We had to cancel our plans of having an International Radiocarbon Conference in 1976. Since it is the Bicentennial year, we were required to obtain all sorts of special permissions. We waited for these for two years, and then realized that it was too late to raise the necessary funds. Also, funds here this year are extremely scarce.

Nydal in Trondheim, Norway was thinking of holding the conference, but he heard that some one on our west coast might have it. I do not know who the "some one" is, so that is where we stand at the moment.

Sincerely yours,

Elizabeth K. Ralph

EKR/cat

LABORATOIRE MIXTE C.N.R.S. - C.E.A.

BOITE POSTALE N° 1

91190 GIF SUR YVETTE

TÉL. : 907-78-28

Dr. E. Ralph
Museum Applied Center
for Archeology
The University Museum
33rd Spruce Streets
Philadelphia, Penn.19104

Dear Dr. Ralph,

If you have difficulties to have a financial support to come to Nice meeting in september 1976 I just receive a note from Dr. de Lumley that you must appled to :

- Pr. James B. Griffin
Member Executive Committee UISPP
The University of Michigan
Museum of Anthropology
University Museums Building
ANN ARBOR, Michigan 48104

instead of Dr. Braidwood.

I hope to receive your paper as I asked you, before the 1st of october.

Sincerely yours,

Claude Lalou

Dr. Braidwood

September 4, 1975

Dr. Jacques Labeyrie, Director
Centre des Faibles Radioactivites
Laboratoire Mixte C.N.R.S. -C.E.A.
Boite Postale No. 1
91190 Gif sur Yvette

Dear Dr. Labeyrie:

This summer has been a bad one for me. I took a vacation in Europe in June, then I came home and broke two ribs, and more recently I broke three toes. The ribs caused me more trouble than I anticipated.

Therefore, I have not compiled our new data, nor started to write the paper. I have enclosed a copy of our MASCA Newsletter, Vol. 9, no. 1, and I wonder if this could be reprinted as my paper. If so, I shall be glad to attend the conference, but otherwise, I shall have to withdraw.

I have been given the "run-around" in regard to the UTSPF funds, but this is not a serious problem.

Please let me know whether or not the Newsletter will be acceptable.

Sincerely yours,

Elizabeth K. Ralph

October 15, 1975

Dr. Meyer Rubin
USGS National Center 971
Reston, Virginia 22092

Dear Dr. Rubin:

Enclosed is a copy of our program for the AIA annual meeting as well as other literature from AIA and the Statler Hilton where the meetings will be held.

Since our program is considered to be a "panel discussion," we do not need to submit abstracts. Also we do not need to pay the registration fee, and I have been told that AIA will pay for hotel rooms (one night) if required.

Our subjects are not the usual ones for archaeologists so that we have been asked to make the talks as non-technical as possible. There will be ample time (I hope) for discussion after the talks so that if technical clarification is needed, it could be introduced then.

Also, since as physical scientists, we may not be well-known to most of the archaeologists, I have been asked to make short biographical introductions. Please send me a paragraph about yourself as soon as possible.

Thank you in advance.

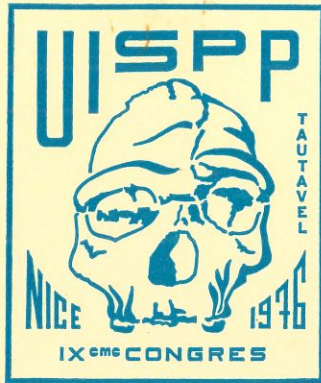
Sincerely yours,

Elizabeth K. Ralph

EKR:emd
Enclosure

UNION INTERNATIONALE DES SCIENCES PREHISTORIQUES ET PROTOHISTORIQUES

IX^e CONGRÈS - NICE - 13-18 Septembre 1976



Président : Doyen L. BALOUT
Secrétaire Général : H. de LUMLEY

Secrétariat d'Organisation :
U. I. S. P. P. - IX^e Congrès
Laboratoire
de Paléontologie Humaine
et de Préhistoire
Université de Provence
13331 Marseille Cedex 3
FRANCE

Adresse Télégraphique :
U. I. S. P. P. Marseille-France
Téléph. : (91) 50-11-60 - Poste 327

UISPP.1975/958

Marseille, le 15 octobre 1975

Pr RALPH Elisabeth K.

University Museum

PHILADELPHIA

PA. 19174

U.S.A.

Monsieur le Professeur,

Nous avons bien enregistré votre inscription définitive au IX^e Congrès de l'UISPP qui se réunira à Nice, du 13 au 18 Septembre 1976.

Nous avons noté le titre de votre, vos, communication(s) :

"Tree rings and carbon 14 scale "

dans le cadre de la Section I , ~~sous-section~~ Colloque I

dans le cadre de la Section , sous-section

Nous vous informerons ultérieurement de la date, de l'heure et de l'amphithéâtre où vous pourrez présenter votre, vos, communication(s).

Je vous prie de bien vouloir m'adresser le plus tôt possible un résumé de votre communication en français ou dans une des langues officielles du Congrès, limité à 200 mots.

D'autre part, nous avons enregistré votre inscription aux excursions : B1

Je vous prie de croire, Monsieur le Professeur, à l'expression de mes respectueux sentiments.

H de Lumley

Henry de LUMLEY
Secrétaire Général.

UNION INTERNATIONALE DES SCIENCES PREHISTORIQUES ET PROTOHISTORIQUES

IX^e CONGRÈS - NICE - 13-18 Septembre 1976



Marseille, le 15 octobre 1975

Pr RALPH Elisabeth K.

University Museum

PHILADELPHIA

PA. 19174

U.S.A.

Président : Doyen L. BALOUT

Secrétaire Général : H. de LUMLEY

Secrétariat d'Organisation :

U. I. S. P. P. - IX^e Congrès

Laboratoire

de Paléontologie Humaine

et de Préhistoire

Université de Provence

13331 Marseille Cedex 3

FRANCE

Adresse Télégraphique :

U. I. S. P. P. Marseille-France

Téléph. : (91) 50-11-60 - Poste 327

Monsieur le Professeur,

Le Président, le Secrétaire Général et le Comité d'Organisation du IX^e Congrès International de l'Union Internationale des Sciences Préhistoriques et Protohistoriques ont le plaisir de vous inviter aux sessions du Congrès, du 13 au 19 Septembre 1976, à Nice-France, et vous prie de bien vouloir présenter une communication dans le cadre de :

la Section : I Colloque I

une Communication sur :

"Tree rings and carbon 14 scale"

Nous souhaitons que vous puissiez accepter notre invitation et participer au Congrès.

Je vous prie de croire, Monsieur le Professeur, à l'expression de mes sentiments distingués.

Henry de LUMLEY

Secrétaire Général.

UISPP.1975 /956

LABORATOIRE MIXTE C.N.R.S. - C.E.A.

BOITE POSTALE N° 1

91190 GIF SUR YVETTE

TÉL. : 907-78-28

Dr. Elizabeth K. Ralph
M.A.S.C.A.
The University Museum F1
33rd and Spruce Streets
Philadelphia, Pennsylvania 19174
U.S.A.

Dear Dr. Ralph :

I do hope that all your health troubles are over now
and that you have recovered.

Please excuse us for the long delay to our answering
but we had to see with Dr. de Lumley about your MASCA publication :
there is no problem for its acceptance, but would you be so kind as :

- 1) To let us know if we need to indicate that this paper is reprinted
from MASCA Newsletter ; in that case you should give us your official
authorization as Associate Director of the review.
- 2) To send us the original of the 6 figures with, if possible, an original
manuscript with an abstract.

We shall be very pleased to meet you in Nice but,
meantime, if you find any difficulties for getting financial support, please
let me know since we might have a financial help from the French Govern-
ment which could, perhaps, cover a part of your expenses.

Sincerely yours,

Claude Lalou

Claude Lalou

November 26, 1975

Dr. Claude Lalou
Centre des Faibles Radioactivites
Laboratoire Mixte C.N.R.S.-C.E.A.
Boite Postale no. 1
91190 GIF sur YVETTE

Dear Dr. Lalou,

Thank you for your letter of October 31st. I have enclosed an abstract and a copy of the original manuscript as well as photographs of the 8 figures.

I have shortened the list of acknowledgements, and I suggest that you delete all of the tables unless you prefer to keep them. With these few changes, and the addition of the abstract, I see no necessity in saying that it is reprinted from the MASCA Newsletter unless you want to. At any rate, you have our permission.

I have mailed the reservation form and a cheque to M. le Professeur Lionel BALOUT, and hope that it reaches him before December 1st. However, Dr. Griffin has nothing to do with UISPP funds except for his own group. Therefore, I hope that part of the expenses can be obtained from the French Government.

Please forgive me for being so late in sending the paper and other items. If any changes are required, I shall take care of them promptly.

Sincerely yours,

Elizabeth K. Ralph

UNION INTERNATIONALE DES SCIENCES PREHISTORIQUES ET PROTOHISTORIQUES

IX^e CONGRÈS - NICE - 13-18 Septembre 1976



Marseille, le 8 Décembre 1975

Madame Elisabeth RALPH
University Museum
Museum
PHILADELPHIA
Pa. 19174 U.S.A.

Président : Doyen L. BALOUT
Secrétaire Général : H. de LUMLEY

Secrétariat d'Organisation :
U. I. S. P. P. - IX^e Congrès
Laboratoire
de Paléontologie Humaine
et de Préhistoire
Université de Provence
13331 Marseille Cedex 3
FRANCE

Adresse Télégraphique :
U. I. S. P. P. Marseille-France
Téléph. : (91) 50-11-60 - Poste 327

UISPP. 1975/1539

Madame,

Vous avez bien voulu accepter d'être rapporteur
au colloque I, sur :

" Datations absolues et analyses isotopiques en Préhistoire
Méthodes et Limites ",

qui se tiendra, dans le cadre de l'Union Internationale
des Sciences Préhistoriques et Protohistoriques à Nice,
en Septembre 1976.

Si vous n'avez pas encore envoyé votre manuscrit
au Directeur du colloque, je vous serais très reconnaissant
de le lui faire parvenir le plus rapidement possible. Il
pourrait être ajouté en cours de composition et donc
paraître avec l'ensemble de l'ouvrage.

Je vous rappelle que les communications doivent
être publiées et distribuées avant le Congrès, ce qui nous
impose un délai strict.

En vous remerciant pour votre aimable compréhension,
je vous prie de croire, Madame, à l'expression de mes
meilleurs sentiments.

Je vous remercie, etc.

~~H de Lumley~~

Henry de LUMLEY.

J'ai envoyé le manuscrit, mais je
n'ai pas reçu les _____ pour
le voyage

{Encore avec fleurs}

ARCHAEOLOGICAL INSTITUTE OF AMERICA (AIA)

ANNUAL MEETING

Chronological Techniques for Archaeologists

December 29, 1975

2 hours, 10:00 A.M. to noon
(Please arrive at 9:30 A.M.)

Talks - 20 minutes each

Chairman, Elizabeth K. Ralph
University of Pennsylvania

C¹⁴

Suitable Samples and Pretreatments
Robert Stuckenrath, Radiation Biology Laboratory
12441 Parklawn Drive
Rockville, Maryland 20852 Tel. 301-443-2309

Home 301-587-3724

Calibration of C¹⁴ Dates by Means of Dendrochronology
Henry N. Michael, University Museum, University of Pennsylvania
Tel. 215-EV-6-7400

TL

The Dating of Pottery by Thermoluminescence
Mark C. Han, University Museum, University of Pennsylvania
Tel. 215-EV-6-7400

Amino Acids

Amino Acid Dating; Results and Problems
P. Edgar Hare, Geophysical Laboratory,
2801 Upton Street, Washington, D.C. NW 20008
Tel. 202-966-0334

Critical Survey of Dating Methods for Archaeologists,
Meyer Rubin, USGS National Center 971,
Reston, Va. 22092 Tel. 703-860-6114

Home

301-270-3349

Mailing Address for Inquiries and Corrections:

Elizabeth K. Ralph
University Museum
33rd and Spruce Streets
Philadelphia, Pennsylvania 19174

Tel. 215-243-8168 or 215-EV-6-7400

No carbon copy (airmail)
[1975?]

Dear Dr. Braidwood,

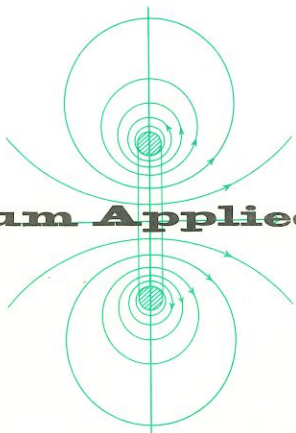
Dr. Labeyrie has invited me to give a paper at the IX International Congress of Prehistoric & Protohistoric Sciences in Nice from September 13 to 18, 1976.

Although I have not yet received the official invitation from Dr. de Lumley, I am writing to ask if there will be UISPP funds available for my travel expenses,

A copy of the program for this colloquium is enclosed.

With best regards,

Elizabeth K. Ralph



Museum Applied Science Center for Archaeology

Froelich Rainey, Director

Elizabeth K. Ralph, Associate Director

THE UNIVERSITY MUSEUM F1 • UNIVERSITY OF PENNSYLVANIA

33rd & SPRUCE STREETS • PHILADELPHIA, PENNSYLVANIA 19174
386-7400 (Area Code 215) Cable Address "Antique"

le 17 Février 1976

Monsieur Henry de LUMLEY
Secrétaire Général
U.I.S.P.P. - IXe CONGRÈS
Laboratoire de Paléontologie Humaine et
de Préhistoire
Université de Provence
13331 Marseille Cedex 3
France

Monsieur:

Je vous remercie pour votre lettre du Février 14, 1976.

J'ai envoyé le manuscrit depuis longtemps mais je n'ai pas encore reçu les monnaies pour le voyage. Il faut que je reçoive le monnaie ou bien je ne pourrai pas venir a votre conférence.

Encore, je vous remercie et je m'attends a votre conférence.

à mes sentiments très amicaux,

Elizabeth K. Ralph

*Je vous envoie ~~si enca~~ ~~sous~~ ~~en~~ ~~pli~~ ce pli
la traduction du résumé. ~~est~~
E.K.R.*

Prof Activity

RUTGERS UNIVERSITY

The State University of New Jersey

DOUGLASS COLLEGE
New Brunswick, New Jersey 08903

17 February 1976

Dr. Elizabeth Ralph
MASCA
University Museum
Univ. of Penn.
Philadelphia, PA.

Dear Dr. Ralph:

Dr. S. Mandeles, chairman of the Chemistry Dept. here at Douglass College, has asked me to inquire if you might be persuaded to visit Rutgers on Wed., March 3rd, for lunch and to deliver a talk to the Center for Bio-Chemical Studies of Rutgers University. There has been considerable interest on the part of graduate and undergraduate chemistry students on the application of the natural sciences to archaeology and we thought we would ask you if you might be able to visit. A discussion by you of recent developments and recalibrations of C-14 dating, or other MASCA work would be fine. The CBCS would not be able to pay you for the talk, but we would, naturally, take you out to a very nice luncheon. Please let me know if you can come as soon as possible. Thank you.

Sincerely,



Paul F. Healy, Ph.D.
Asst. Prof.
Dept. of Archaeology

~~(212)~~ 932-9797

office

201-932-9493

*Called 2/23/76
Next year*

RAMAPO COLLEGE OF NEW JERSEY

RAMAPO VALLEY ROAD,
P.O. BOX 542 MAHWAH, NEW JERSEY 07430 • 201 - 825-2800

February 20, 1976

Dr. Elizabeth Ralph
Museum Center for Archaeology
University of Pennsylvania
Philadelphia, PA 19104

Dear Dr. Ralph:

I am serving this year as co-chairperson for the Hudson-Bergen Subsection of the American Chemical Society. Our program consists of six meetings, each one consisting of a dinner and guest speaker. The society assumes all costs for travel but is prohibited from offering honoraria. Therefore, we have often relied on getting speakers from the immediate area who would find the opportunity interesting.

We had, sometime ago, scheduled the meeting of April 23, to be held at St. Peters College in Jersey City with Dr. Pieter Meyers of the Metropolitan Museum of Art to speak on the technical examination of art objects. He has just today informed us that an unexpected trip out of the country will prohibit him from fulfilling that engagement.

Since we were quite interested in having a speaker on this same general subject, Dr. Meyers did suggest a number of other persons whom I could approach to present a talk. Hence this letter.

I would appreciate your consideration of this invitation to speak. Should this not be possible, could you perhaps suggest colleagues who might be approached.

Yours truly,



G.P. Gennaro, Jr., Ph.D.
Program Co-Chairman

GPG:kf

NYU
Larry Majeski^w ?
Dick Stone

February 26, 1976

Dr. G.P. Gennaro, Jr.
Ramapo College of New Jersey
Ramapo Valley Road
P.O. Box 542
Mahwah, New Jersey 07430

Dear Dr. Gennaro:

For the subject of "technical examination of art objects", there is no one here who is well-qualified.

I am wondering if you have tried the Conservation Center of Art, Institute of Fine Arts of New York University (1 East 78th St, N.Y.C.) The person in charge is Dr. Lawrence Majewski. Either he or an assistant Dick Stone, could give an excellent talk.

There are also a number of people in Washington, D.C. I could let you know about them if you are willing to pay that much for travel.

If you have no luck at all, we could probably find someone to talk about thermoluminescent dating of pottery and C-14 dating of organic samples. I am not eager to do it myself because I have laryngitis that does not seem to go away.

Sincerely yours,

Elizabeth K. Ralph

March 4th, 1976

Monsieur Henry de Lumley
Secrétaire General
U.I.S.P.P. - IXe CONGRES
Laboratoire de Paléontologie Humaine et
de Préhistoire
Université de Provence
13331 Marseille Cedex 3
France

Monsieur,

Je vous remercie pour votre lettre du Février 14, 1976.

Je vous en voie sous ce pli la traduction du résumé.

En ce qui concerne les frais pour le voyage et le séjour,
je serai très contente d'accepter votre généreux offre regardant
le voyage et votre invitation de loger dans des dortoirs de
l'université.

à mes sentiments très amicaux,

Elizabeth K. Ralph

RALPH (P. X PAGE IX)

Program

NINTH INTERNATIONAL RADIOCARBON CONFERENCE

University of California
Los Angeles and San Diego

June 20--26 1976

IN HONOR OF W.F. LIBBY

This conference was made possible by grants of the:

National Science Foundation,
University of California,
Los Angeles and San Diego,
L.S.B. Leakey Foundation.

Conference Coordinators: Rainer Berger, Tel. 213/825-1469
Hans Suess, Tel. 714/452-3354

Monday, 21 June 1976

Meeting Location: University of California, Los Angeles (UCLA)
Faculty Center, 480 Circle Drive, Westwood
Tel. 825-0877
California Room

I. ARCHAEOLOGIC AND GEOLOGIC DATING

H.J. Müller-Beck, Session Chairman

9:00 Opening remarks
K.P. Oakley: In honor of W. F. Libby
J.D. Clark: Radiocarbon dating in African archaeology
Coffee break
O. Ramouni: Results of ^{14}C dating in Algeria
J. Labeyrie: Sealevels and the birth of Egyptian
civilization
L. White, Jr.: Problems of dating in South Africa
M. Gimbutas: Chronology of Southeast European Neolithic
S. de Atley and F. Findlow: Southwestern U.S. obsidian
calibration using ^{14}C

12:00 Lunch

II. ARCHAEOLOGIC AND GEOLOGIC DATING

J. Labeyrie, Session Chairman

2:00 V.R. Switsur: Chronology of the British Mesolithic
H.J. Müller-Beck: Radiocarbon dates before 30,000
years ago
R. Protsch: New absolute dates of upper Pleistocene
fossil hominids from Europe and South
America
V. Haynes: Post glacial climatic variations
H.E. Suess: Were the Allerod and Two Creekian
substages contemporaneous?

Coffee break

II: Continued

- V.R. Switsur, R. Berger and N. Hammond:
Mayan ^{14}C chronology
- D. Read: The effective use of ^{14}C dates in the
seriation of archaeological sites
- E. Kalil: Distribution of uranium in marine
sediments as a climatic indicator

7:00 p.m. Cocktails and dinner at the Faculty Center
W.F. Libby: Radiocarbon and palaeoclimatology

Tuesday, 22 June 1976
California Room

III. RADIOCARBON METHODOLOGY

H.W. Wilson, Session Chairman

- 9:00 H. Polach: Correlation of ^{14}C activity of NBS oxalic
acid with Arizona 1850 wood and ANU
sucrose standards
- S. Valastro: An improved procedure for the wet oxi-
dation of the ^{14}C NBS oxalic acid standard.
- I.U. Olsson: On the pretreatment of wood and charcoal
samples
- Coffee break
- H. Oeschger: Recent progress in low level counting with
proportional gas counters.
- L. Currie, J. Noakes and D. Breiter: Measurement of small
radiocarbon samples: power of alternative
methods for tracing atmospheric hydrocarbons.

III: Continued

- S. Gulliksen and R. Nydal: Further improvement of counter background and shielding
- W.G. Mook: The effect of impurities on CO₂ proportional counting: an on-line purity counter
- W. Moscicki: A continuous check of efficiency of ¹⁴C counting by proportional counter
- M. Stuiver, S.W. Robinson, and I.C. Yang: ¹⁴C dating up to 60,000 years with low background proportional counters

12:00

Lunch

IV. RADIOCARBON METHODOLOGY, SOILS

W.G. Mook, Session Chairman

2:00

- H. Erlenkeuser: A thermal diffusion column experiment for the enrichment of ¹⁴C.
- H.W. Wilson: Possibility of measurement of ¹⁴C by mass spectrometric techniques
- J. Noakes: Experimental techniques in radiocarbon dating
- H. Haas: Specific problems with liquid scintillation counting of small benzene volumes and background count rate estimation
- R.L. Otlet: An assessment of laboratory errors in liquid scintillation methods of ¹⁴C dating
- H.W. Scharpenseel and H. Schiffmann: Natural radiocarbon measurements on soil organic fractions
- H. Schiffmann and H.W. Scharpenseel: Model experiments on the carbon flow in soils based on radiocarbon measurements
- J.C. Sheppard, S.Y. Ali and P.J. Mehringer, Jr.: Radiocarbon dating of sediments and peats
- S.W. Robinson: Radiocarbon dating at the USGS, Menlo Park, California
- H. Oona: Low-level counter system for natural ¹⁴C measurements

Wednesday, 23 June 1976

There are two parallel sessions today in the morning only. During the afternoon the conference participants transfer by bus to the La Jolla location with a reception at Hans Suess's at 6:00 p.m. (By invitation only)

V. USE OF ARTIFICIAL RADIOCARBON. In Hacienda Room

W.F. Libby, Session Chairman

- 9:00 R. Berger: ^{14}C in stratosphere and troposphere
R. Nydal, K. Lövseth and S. Gulliksen: A survey of ^{14}C variations in nature since the test ban treaty
M.J. Stenhouse: Bomb ^{14}C in humans
M.J. Stenhouse: Further application of bomb ^{14}C as a biological tracer
- Coffee break
- D.D. Coleman: The origin of drift gas
M. Rubin: Nuclear power plant siting using ^{14}C dates for dating earth movements
J. Freundlich: Estimation of fossil fuel exhaust gas admixture to the atmosphere
A.A. Moghissi: Environmental impact of production of ^{14}C by nuclear power reactors.
- 12:00 Lunch
- 2:00 Depart for La Jolla by bus.

VI. RADIOCARBON DATING OF SHELLS. In Playa Room

W.S. Broecker, Session Chairman

- 9:00 H. Jungner: Dating of marine shells from Greenland and North Norway

VI: Continued

D.D. Harkness: Interpretation of ^{14}C ages measured
for marine shells

R. Gillespie and H. Polach: Radiocarbon in marine
shells

R.E. Taylor: Radiocarbon dating of shell: comparison
of carbonate and conchiolin values

Coffee break

H. Erlenkeuser: Environmental and anthropogenic effects
of the radiocarbon age of coastal marine
sediments

S. Hakanson: A study of ^{14}C activity in submerged
plants from various South Swedish
lakes

A. Kaufman: Carbon isotopes in waters of the Israeli
coastal aquifer

12:00

Lunch

2:00

Depart for La Jolla by bus.

Thursday, 24 June 1976
University of California, San Diego
Sumner Auditorium,
Scripps Institute of Oceanography

VII. RADIOCARBON IN OCEANOGRAPHY

H. Oeschger, Session Chairman

9:00

Welcome by W.A. Nierenberg, Director, Scripps
Institute of Oceanography

W.S. Broecker: Radiocarbon in the Atlantic Ocean

M. Stuiver: Atlantic Ocean ^{14}C distribution,
circulation and atmospheric $^{14}\text{CO}_2$ exchange

Coffee break

K.O. Münnich: High precision ^{14}C measurements:
Application in oceanography

VII: Continued

- H. Tauber: ^{14}C content of arctic marine mammals
and the modern standard
Y. Nozaki, T.K. Cochran and K.K. Turekian: Radio-
carbon dating of submersible-taken
deep-sea cores from Project Famous
M. Geyh: ^{14}C dating of deep-sea sediments
T. Linnick: ^{14}C in the Pacific Ocean

12:00 Lunch

VIII RADIOCARBON IN TREE-RINGS

K.O. Münnich, Session Chairman

- 2:00 M.S. Baxter: ^{14}C variations in tree-ring sequences
from the United Kingdom
M.J. Stenhouse: ^{14}C content of 19th century tree-rings
W. Cain: ^{14}C in modern American trees
C.W. Ferguson: The early bristlecone pine chronology
and possibilities for extension

Coffee break

- H.N. Michael: Search for bristlecone pines buried
in alluvial fans on the slopes of the
White Mountains, California, with soil-
penetrating radar
B. & J. Becker: Application of Holocene oak tree-
rings from Southern Germany to ^{14}C and
 $^{18}\text{O}/^{16}\text{O}$ analyses
R. Burleigh: Archaeological evidence for short-term
natural ^{14}C variations
A. Long: ^{14}C in heart wood extractives

Friday, 25 June 1976

IX. RADIOCARBON IN TREE-RINGS AND KNOWN AGE SAMPLES

S. Korff, Session Chairman

- 9:00 H. Oeschger and C. Strahm: The contribution of the
Swiss Lake dwellings to the calibration
of radiocarbon dates

IX: Continued

Lambert, Orce1 and Lindstrom: Dendochronology from
neolithic settlements of West

I.U. Olsson: Switzerland
Radiocarbon variations as determined
from Egyptian samples

Coffee break

✓ E.K. Ralph: Composite computer plots of ^{14}C dates
for tree-ring-dated bristlecone pines
and sequoias

J.C. Lerman: Pinpointing calendric dates with radio-
carbon

H.E. Suess: ^{14}C during the fourth and second half of
the 5th millenium B.C. and the ^{14}C
calibration curve

I.U. Olsson: On the ^{14}C content in different reservoirs

S.L. Meeks: A comparison of two estimators of the
standard deviation for age estimates

12:00

Lunch

X. MODELLING EXPERIMENTS

I.U. Olsson, Session Chairwoman

2:00

C.J. Radnell: ^{14}C production in wood using neutrons
and protons to simulate cosmic rays

H. Oeschger: Modelling of natural ^{12}C , ^{13}C and ^{14}C
based on a box diffusion model to
study the CO_2 exchange in nature

H.E. Suess: Causes of ^{14}C fluctuations

Coffee break

J.M. Fletcher: Problems in calibrating results from
multiple ^{14}C determinations

D. Keeling: Problems in modelling CO_2 exchange in
nature

Saturday, 26 June 1976

XI. RADIOCARBON AND CLIMATE

H.E. Suess, Session Chairman

9:00

- S. Korff: Variations in ^{14}C production rates
V. Bucha: Changes in geomagnetic field, climate
and weather as revealed from samples
dated by the ^{14}C method
R. Sternberg and P. Damon: Sensitivity of ^{14}C
fluctuations to reservoir and geomagnetic
field parameters

Coffee break

- P.M. Kelly and H.H. Lamb: Radiocarbon variations and
climatic change
L.M. Libby and L.J. Pandolfi: Anticorrelation of
stable isotope ratios with ^{14}C in tree-
rings
W.F. Libby and L.M. Libby: ^{14}C , climate, stable
isotopes and the stratosphere
Panel discussion on reporting ^{14}C dates and errors

12:00

Lunch

XII. RADIOCARBON AND OVERLAPPING DATING METHODS

Rainer Berger, Session Chairman

2:00

- J. Bada: Amino acid racemization dating
P. Helfman : Amino acid racemization dating of fossil
shells in San Diego County
M. Jope: Selection and preparation of protein material
for radiocarbon dating
M.A. Tamers: Somatic mutation by naturally occurring
radiocarbon

Coffee break

XII: Continued

- S. Valastro, Jr.: Successful technique for the
dating of lime mortar by ^{14}C .
- K. Kigoshi: Comparison of ^{14}C ages and ionium
ages of corals
- J. Ericson: Progress in obsidian hydration
dating
- R.E. Taylor: Fluorine diffusion method: Direct
dating of chipped lithics
- P. Ezell: Uses of ^{14}C dating for American archaeo-
logy
- R. Kaldenberg: Radiocarbon dating and the cultural
stability on the San Diego Coast.

UNION INTERNATIONALE DES SCIENCES
PRÉHISTORIQUES ET PROTOHISTORIQUES

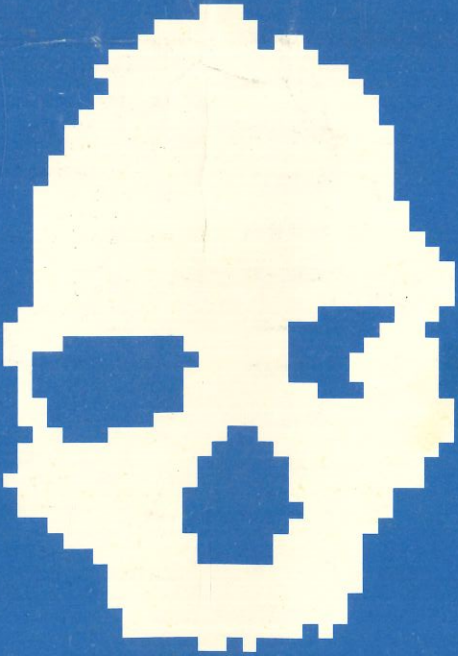
Palais des Expositions
Esplanade Maréchal
de Lattre de Tassigny

Parc Valrose de
l'Université de Nice
28 Ave. de
Valrose


—
IX^e

CONGRÈS

UNION INTERNATIONALE DES SCIENCES PRÉHISTORIQUES ET PROTOHISTORIQUES
IX^e CONGRÈS NICE 13-18 SEPTEMBRE 1976
UISPP



HOMME DE TAUTAVEL



NICE

Parc Valrose de l'Université de Nice
13-18 Septembre 1976

Siège du Congrès :

Parc Valrose de l'Université de Nice
(desservi par les lignes d'autobus de la Cie T.N.L. numéros
1, 2 et 22).

Cités Universitaires :

I : Montebello A et B Parc Valrose
desservi par les autobus 1, 2 et 22
II : Les Collinettes
avenue Robert Schuman (ex Chemin des Collinettes)
Cité Universitaire reliée au Parc Valrose par la ligne
d'autobus n° 22, via le Centre-Ville

HOTELS

	Tél.		
1. AMBASSADOR		29. IMPERIAL	85.33.72
8, Avenue Gustave V	87.75.79	8, Boulevard Carabacel	
2. ASTON		30. KING GEORGES	87.73.61
12, Avenue Félix Faure	80.62.52	15, Rue Grimaldi	
3. ASTOR		31. LITTLE PALACE	88.70.49
33, Rue Pastorelli	85.26.88	9, Rue Baquis	
4. ATLANTIC		32. LOCARNO	88.54.94
12, Boulevard Victor Hugo	88.40.15	4, Avenue des Baumettes	
5. AVENIDA		33. DE MADRID	88.85.18
41, Avenue Jean Médecin	88.55.03	3, Rue de Belgique	
6. BEDFORD		34. LA MALMAISON	88.34.28
45, Rue du Maréchal Joffre	82.18.36	48, Boulevard Victor Hugo	
7. DE BERNE		35. MARINA	88.69.76
1, Avenue Thiers	88.25.08	11, Rue St Philippe	
8. DU BREUIL		36. MEDICIS	88.96.73
11, Rue Gounod	87.27.68	58, Rue Hérold	
9. BRICE		37. DU MIDI	88.49.17
44, Rue du Maréchal Joffre	88.14.44	16, Rue d'Alsace Lorraine	
10. BUSBY		38. MONSIGNY	88.27.35
36, Rue du Maréchal Joffre	88.19.41	17, Avenue Malausséna	
11. CARLTON		39. NAPOLEON	87.70.07
26, Boulevard Victor Hugo	88.87.83	6, Rue Grimaldi	
12. CECIL		40. NEGRESCO	88.39.51
7, Avenue Thiers	88.19.17	37, Promenade des Anglais	
13. CHATHAM		41. NEW YORK	85.28.32
9, Rue Alphonse Karr	87.80.61	44, Avenue du Maréchal Joffre	
14. CHOISEUL		42. NICE PALACE	87.96.14
29, Avenue Thiers	88.96.81	2, Rue Eugène Emmanuel	
15. COLBERT		43. OSTENDE	88.72.48
34, Rue Lamartine	85.14.38	3, Rue d'Alsace Lorraine	
16. CONCORDIA		44. PARK	87.80.25
3, Rue Eugène Emmanuel	87.87.46	6, Avenue Gustave V	
17. CONTINENTAL MASSENA		45. LA PEROUSE	80.34.63
58, Rue Gioffredo	85.49.25	11, Quai Rauba Capeu	
18. DAUPHINE		46. PLAZA	87.80.41
6bis, Avenue Borriglione	84.54.55	12, Avenue de Verdun	
19. DE L'EUROPE		47. REGENCE	87.75.08
24, Avenue Malausséna	80.40.81	21, Rue Masséna	
20. EUROPA		48. LA RESIDENCE	88.89.46
46, Boulevard Carnot	89.79.79	18, Avenue Durante	
21. EXCELSIOR		49. RESIDENCE LAFAYETTE	85.17.84
19, Avenue Durante	88.18.05	32, Rue de l'Hôtel des Postes	
22. DES FLANDRES		50. RESIDENCE PETIT PALAIS	80.19.11
6, Rue de Belgique	88.78.94	10, Avenue Bieckert	
23. FRANTEL		51. ROYAL	88.40.91
28, Avenue Notre Dame	80.30.24	21, Promenade des Anglais	
24. GRAND HOTEL DE FLORENCE		52. SAINT GEORGES	88.17.33
3, Rue Paul Déroulède	88.46.87	6, Avenue Georges Clémenceau	
25. GOUNOD		53. SAINT GOTHARD	88.13.41
3, Rue Gounod	88.26.20	20, Rue Paganini	
26. HARVEY		54. SIBILL'S	85.37.20
8, Rue Croix de Marbre	87.78.00	25, Rue Assalit	
27. HELVETIQUE		55. SPLENDID SOFITEL	88.69.54
47, Rue de l'Hôtel des Postes	85.47.38	50, Boulevard Victor Hugo	
28. IDEAL SEJOUR		56. SPORTMEN	89.27.18
12, Rue Maccarani	87.72.14	4, Rue Barbéris	
		57. TRIANON	88.30.69
		15, Rue Auber	
		58. UNIVERS	87.88.81
		9, Avenue Jean Médecin	
		59. VALROSE	84.56.63
		49, Avenue Monplaisir	
		60. VENDOME	85.77.90
		26, Rue Pastorelli	
		61. VICHY	85.18.54
		22, Rue Assalit	
		62. VICTORIA	87.68.84
		33, Boulevard Victor Hugo	
		63. WEST END	88.79.91
		31, Promenade des Anglais	
		64. WESTMINSTER	88.29.44
		27, Promenade des Anglais	
		65. WILSON	85.47.79
		39, Rue de l'Hôtel des Postes	
		66. WINDSOR	88.59.35
		11, Rue Dalpozzo	



Lignes d'autobus:

Parc Valrose Université de Nice: lignes 1 et 2 et 22

Palais des expositions: lignes 3, 4, 5, 6 et 16

Newsletter & Noyes Press
"H₂O & Prehistory"
Vol. 9, no. 1 ff

^{weather}

Uino Prof. Raites Roberto ✓

Via dei Malbei 1

00030 Colonna

(Roma)

tel 943052(06)

mag. art. ✓

Waby Armfelt,

Toldbodgade, 45,

1253, København, K,

Danmark.

Tlf: - 01, 123765.

Olivier Berney

c/o R L Raites & Pts

Viale Kennedy 18

00046

→ Grotto Ferrati
→ (Roma)

Morocco -

~~Preprints of Egyptian & Minoan dates~~ No!

E.C. Baity

1503 Mason Farm Rd
Chapel Hill, N. Carolina
27514

Send Steve Kopper ^{Edgar}
✓ C14 data sheet + Hare's address

Geophysics Dept.
U. of Edinburgh
65 Oswald Rd
Edinburgh EH9 2HX

P. Edgar Hare
Geophysical Laboratory
2801 Upton Street
Washington, D.C.
NW 20008

Fedele - lecture
Wash, Nov. 25 - Dec. 10
→ Thanksgiving

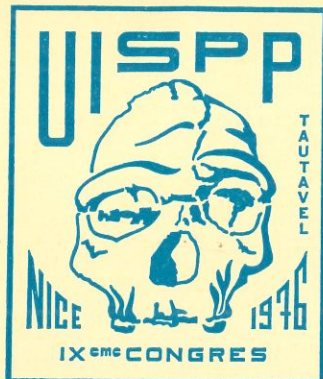
IX INTERNATIONAL CONGRESS OF PREHISTORIC AND PROTOHISTORIC
SCIENCES - NICE (France)- September 13-18, 1976.

Colloquium : Absolute dating and isotope analysis in Prehistory

- Dr. Aitken :
- Thermoluminescence in archeology
- Dr. Bada :
- Application of amino acid racemization dating in paleoanthropology and archeology.
- Dr. Berger :
- Radiocarbon dating in the Prehistoric past : accuracy and limitations.
- Dr. Evin :
- Problèmes posés par la datation ^{14}C des os.
- Dr. Ralph :
- Tree rings and carbon 14 scale.
- Dr. Shackleton :
- Oxygen isotope analysis in prehistoric sites.
- Dr. Thellier :
- Méthode archéomagnétique de datation.
- Dr. Thurber :
- Problems in uranium series dating in archeology.
- Dr. Turekian :
- Uranium dating of stalagmitic cores in caves.
- Dr. Thommeret :
- Difficultés d'interprétation des dates ^{14}C mesurées à partir des coquilles marines.

UNION INTERNATIONALE DES SCIENCES PREHISTORIQUES ET PROTOHISTORIQUES

IX^e CONGRÈS - NICE - 13-18 Septembre 1976



Marseille, le 13 février 1976

Président : Doyen L. BALOUT
Secrétaire Général : H. de LUMLEY

Secrétariat d'Organisation :
U. I. S. P. P. - IX^e Congrès
Laboratoire
de Paléontologie Humaine
et de Préhistoire
Université de Provence
13331 Marseille Cedex 3
FRANCE

Adresse Télégraphique :
U. I. S. P. P. Marseille-France
Téléph. : (91) 50-11-60 - Poste 327

Professeur E. RALPH

PHILADELPHIE Penn. (U.S.A.)

Cher Professeur RALPH,

HL/MB.UISPP 1976/84

Je suis heureux de vous confirmer mon invitation à participer au colloque I Datations absolues et analyses isotopiques en Préhistoire : Méthodes et limites, organisé dans le cadre du IX^{ème} Congrès de l'U.I.S.P.P. qui sera animé par les Professeurs Jacques LABEYRIE et Claude LALOU.

Le Centre National de la Recherche Scientifique, qui patronne l'organisation de ce colloque, prendra en charge vos frais de transport de PHILADELPHIE à NICE, aller et retour, ainsi que vos frais de séjour à Nice en cité universitaire (logement et repas).

Le titre de transport destiné à retirer votre billet de voyage vous sera expédié ultérieurement par le Bureau des Missions du Centre National de la Recherche Scientifique, en juin ou juillet prochain.

Je vous serais très reconnaissant de bien vouloir me confirmer le plus tôt possible, votre participation à ce colloque et de me retourner la fiche ci-jointe remplie.

En me réjouissant de vous voir prochainement à Nice et en vous remerciant pour votre collaboration au IX^{ème} Congrès de l'U.I.S.P.P.

Je vous prie de croire, Cher Professeur RALPH, en l'expression de mes meilleurs sentiments.

P.J. I

H de Lumley

Henry de LUMLEY,
Secrétaire Général.

October 12th, 1976

M. Professeur Henry de Lumley
Laboratoire de Paleontologie Humaine
et de Prehistoire
Universite de Provence
13331 Marseille Cedex 3
France

Cher Professeur Lumley,

Ce fut un grand plaisir de participer au IX^e Congres de Nice.

Notre Colloque etait si bien organise que je veux vous remercier, vous meme et Professeur Labeyrie, pour une session si informative.

Je vous suis reconnaissante de meme pour le logement confortable, les repas and le transport dans Nice, et bien entendu le voyage jusqu'a Nice.

C'est avec plaisir que je pense encore a cette semaine memorable au court de laquelle j'ai apprecie rencontrer d'autres chercheurs venus du monde entier.

Je vous prie d'agreer, Cher Professeur, l'expression de mon meilleur respect.

Elizabeth K. Ralph



THE UNIVERSITY OF ARIZONA
TUCSON, ARIZONA 85721

DEPARTMENT OF GEOSCIENCES
LABORATORY OF ISOTOPE GEOCHEMISTRY
TEL. (602) 626-1396

*Henry
want to go?
EKR*

September 25, 1978

Dr. Elizabeth Ralph
University Museum in Philadelphia
University of Pennsylvania
33rd & Spruce Streets
Philadelphia, Pennsylvania 19104

Dear Beth:

We have received a telephone call from Dr. Alan M. Gaines stating that the N.S.F. Geochemistry Panel has met and approved our workshop on calibration of the radiocarbon time scale. It is not official until we receive written confirmation. The tentative dates are January 28 to February 1, 1979, inclusive. Please let us know at your earliest convenience whether or not you can attend on those dates. Details will follow upon written confirmation.

We hope that you can make it; your attendance is important.

Sincerely,

Paul E. Damon

Austin Long

Juan Carlos Lerman

PED/lg

PROF. ACTIVITY

December 22, 1978

Dr. Bernard C. Fenik, Head of the
Department of Classics
University of Cincinnati
Ohio 45221

Dear Dr. Fenik:

Thank you very much for your invitation to attend
the Symposium on The End of the Early Bronze Age
in the Aegean; unfortunately I spent four months
in the hospital, and I am not yet walking well, etc.
Therefore, I shall have to decline your kind invitation.

Sincerely yours,

Elizabeth K. Ralph

COUNCIL OF EUROPE

SECRETARIAT GENERAL

Proposed activities

Please quote : ASC-C50

Strasbourg, 21 February 1979

Sir,

I have pleasure in forming you that the analytical Research Group of the Study Group PACT (Physical, chemical and mathematical techniques in archaeology) will meet on 27 March 1979 just before the 1979 Symposium on Archaeometry and Archaeological Prospection.

The meeting will take place at :

Institute of Archaeology
University of London
31 - 34 Gordon Square
LONDON WC1 / UK

It will start at 2.30 p.m. and end around 5.00 p.m.

You will find enclosed the draft agenda of the meeting (AS/Science/PACT (30) 7) and a registration form which you are kindly requested to complete and return to me as soon as possible.

Please do not hesitate to ask me for any further information you may require.

Encls.

Yours sincerely,

J.P. Massué
Scientific Counsellor
to the Parliamentary Assembly

To Study Group PACT (Physical, chemical and mathematical techniques in archaeology)
Analytical Research Group (Standards)

COUNCIL OF EUROPE

CONSEIL DE L'EUROPE

Strasbourg, 21 February 1979

Restricted

AS/Science/PACT (30) 7
Or. Fr.

PARLIAMENTARY ASSEMBLY

STUDY GROUP PACT

(physical, chemical and mathematical techniques
in archaeology)

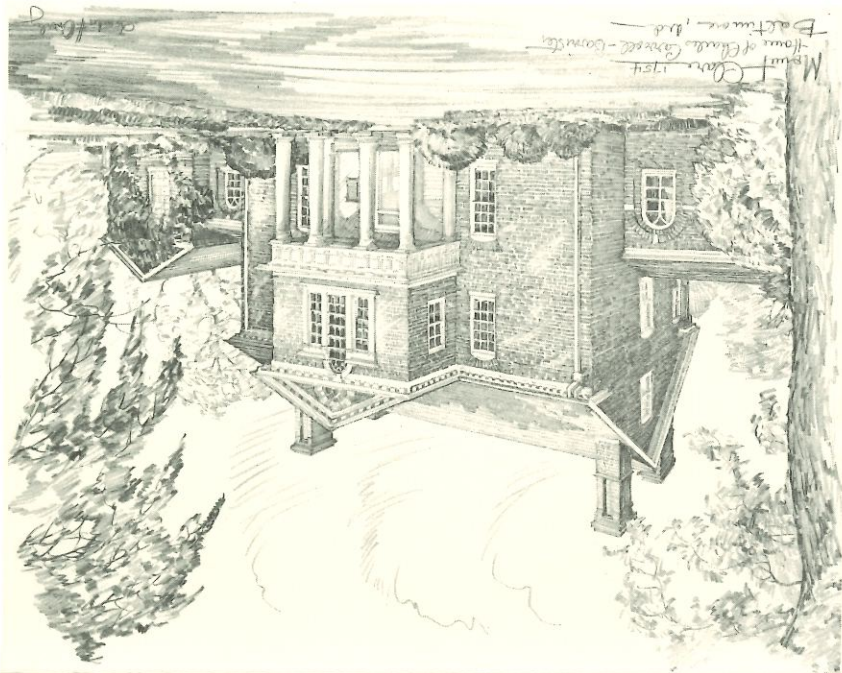
set up under the auspices of the
COMMITTEE ON SCIENCE AND TECHNOLOGY

ANALYTICAL RESEARCH GROUP

DRAFT AGENDA

of the meeting to be held at the Institute of Archaeology
of the University of London, on Tuesday 27 March 1979 from
2.30 to 5.00 p.m.

-
1. AGENDA
AS/Science/PACT (30) 7
Aoption of the draft agenda.
 2. GENERAL REMARKS CONCERNING THE QUESTIONNAIRE
 3. RESULTS OF THE ANALYSIS OF THE QUESTIONNAIRES RECEIVED
presented by Mr. Lahanier (France)
 4. PROPOSALS CONCERNING
 - i. the realisation of project in collaboration
 - ii. the possible establishment of group ordering scheme
 4. ANY OTHER BUSINESS
 5. DATE AND PLACE OF THE NEXT MEETING



Sent regrets
7/18/79

The Architectural and Archaeological
Survey Committee
In appreciation of your support
invites you to a
Reception
at Mount Clare, Carroll Park
Monday, July 23rd 1979
4 to 6 o'clock

Rsup
Mrs. Joseph D. Baker
15200 Old York Road
Monkton, Maryland 21111

Professorial Activity

UNIVERSITY of PENNSYLVANIA

PHILADELPHIA 19104

The Faculty of Arts and Sciences

DEPARTMENT OF PHYSICS

July 31, 1979

Dr. Edmund F. Pawlowicz, Chairman
Department of Geology,
Bowling Green State University
Bowling Green, OHIO 43403

Dear Dr. Pawlowicz:

Thank you for your invitation to attend the AGU meetings in Columbus, Ohio, September 13th to 15th.

Unfortunately, I was hospitalized for four months about a year ago, and I now find it difficult to walk and to travel. Therefore, I must decline your kind invitation.

Sincerely yours,

Elizabeth K. Ralph

EKR:bac