

Ralph  
ASCA

Dr. Gaylord P. Harnwell, President  
University of Pennsylvania  
Philadelphia 4, Pennsylvania

GS-566

Dear Dr. Harnwell:

It is a pleasure to inform you that the sum of \$20,000 is granted by the National Science Foundation to the University of Pennsylvania for support of research entitled "Dating of Archaeological Evidence by Thermoluminescence." This grant is for a period of approximately one year, beginning August 1, 1964, and is under the direction of Fredrich Rainey, University Museum.

As funds are needed to carry out the purpose of this grant, please include your funding requirement in the Monthly Cash Request Form, No. 4-49.

This grant includes an indirect cost allowance of up to 20% of total direct costs.

The grantee shall furnish to the Foundation promptly a written disclosure of each invention conceived or first actually reduced to practice in the performance of work supported by this grant, together with a statement specifying whether or not foreign and/or domestic patent applications will be filed. Upon application for any patent on any such invention, the Government shall be granted an irrevocable, royalty-free, nonexclusive license for use of such invention for governmental purposes throughout the world (including use pursuant to any treaty or international obligation of the United States). In those countries where a patent application is not to be filed, the Foundation may file for such patent on behalf of the Government. In any case, whether or not a patent is to be filed, the Foundation may arrange for the invention to be described in a printed publication.

This grant may be revoked in whole or in part by the Foundation after consultation with the principal investigator and the grantee. Such revocation shall not affect any commitment which, in the judgment of the Foundation, had become firm prior to the effective date of the revocation. Funds not committed by the grantee prior to the conclusion of the work contemplated under this grant shall be returned to the Foundation.

The Foundation requires that this grant be administered in general accordance with the Foundation's policies for research grants as stated in "Grants for

Dr. Gaylord F. Harnwell, President

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Scientific Research," June 1963, as amended, and in conformity with the attached budget summary and other understandings reached between the Foundation and the grantee relating to this grant. In this connection, your attention is invited to the attached "Important Notice," dated July 6, 1964, Subject: "Civil Rights Act of 1964" which has been sent to all Foundation grantees.

Please acknowledge acceptance of this grant and include in your reply a reference to the grant number.

Sincerely yours,

JOHN T. WILSON  
Deputy Director

Enclosures

Have you seen this?  
v3

ASCA

UNIVERSITY OF PENNSYLVANIA  
OFFICE OF PROJECT RESEARCH AND GRANTS  
Diocet of Terms of Contract or Grant for Research Project

**SPECIAL  
BUDGET INSTRUCTIONS  
ATTACHED**

GRANT NO: GS-566 PRINCIPAL INVESTIGATOR: Dr. F. Rainey  
ACCOUNT CODE NO: 4-10100-3-6340 UNIVERSITY DEPARTMENT: Museum  
SPONSOR: National Science Foundation TYPE OF CONTRACT: Grant  
TITLE: "Dating of Archaeological Evidence by Thermoluminescence" AMOUNT OF CONTRACT: \$20,000  
DURATION: 8/1/64-7/31/65 OVERHEAD: 20% (3,334)

REPORTS: Financial- Annual and final to be submitted 90 days after termination.  
Scientific - Annual report and final 90 days after termination.

TRAVEL: To be authorized by Dr. Rainey (If included in above budget.)  
Allowance to cover transportation plus subsistence if support receipts accompany claim. Automobile reimbursement at rate of ten cents a mile.  
Foreign Travel requires prior approval.

BUDGET: A University budget covering these funds should be prepared and submitted through regular channels. 2% of salaries and wages should be budgeted for Employee Benefits.

REBUDGETING OF FUNDS: Funds may not be transferred from other categories and used for the following purposes without prior approval of the National Science Foundation:

1. Purchase of office equipment, furniture, air conditioners and motor vehicles.
2. Purchase of equipment in excess of the amount listed in the approved budget.
3. Purchase of major equipment not listed in the proposal.
4. Foreign travel when not listed in the proposal.
5. Salary of Principal Investigator or other senior personnel in excess of that provided in the approved budget.

USE OF UNEXPENDED FUNDS: Unexpended balance reverts to the Foundation.

PUBLICATIONS: Copyrighted material shall carry byline acknowledging sponsor's support and shall grant to the Government royalty-free right to reproduction.  
Four (4) reprints of each publication to be forwarded to the sponsor.

PATENTS: Any patentable invention or discovery shall be reported to the National Science Foundation.

PROPERTY: Title to property purchased with grant funds rests with the University.

OTHER: **Federal transportation taxes may not be paid with grant funds. Exemption certificates available at Comptroller's office.**

DISTRIBUTION: Comptroller, Attn: Mrs. Shoemaker, w/cy award  
Principal Investigator Dr. Rainey ✓  
Dean  
Purchasing  
File

IMPORTANT NOTICE CONCERNING UNIVERSITY BUDGETS

In order that a clear picture of the actual costs of sponsored research projects might be obtained, the following procedures should be used in the preparation of budgets covered by contracts and grants.

On the "Current Expense and Equipment" page of the University Budget, on the line in the overhead section labelled "Full Rate", the overhead costs of the project are to be entered. These must be in an amount equal to 42 per cent of all salaries and wages included in the budget.

If the overhead allowance provided by the sponsor is less than 42 per cent of salaries and wages, the difference will be shown as a contribution from the University. Steps will be taken by the Office of Project Research and Grants to secure an appropriation from University funds to cover this contribution.

The following illustrates the procedure outlined above. In this example it has been assumed that the salary budget amounts to \$10,800 and that 20 per cent overhead on \$11,900 of total direct expenses has been allowed by the sponsor.

## CURRENT EXPENSE AND EQUIPMENT page of budget

Code No.	Current Expense	Expl. Ref. No.	Amount Approp. Current Year	Amount Propos. for Next Year
8940	Overhead:		XXXXX	XXXXX
	"Full" Rate (42% Salaries) \$4,536		XXXXX	XXXXX
	Less: Univ. Contr. 2,156		XXXXX	XXXXX
	Overhead Allowed			2,380

This procedure was established in January 1958 to implement an action of the Trustees. It is not intended in any way to curtail research efforts of the faculty, nor is it indicative of any intent on the part of the University to reduce its contribution toward the cost of research programs. The procedure was developed to assure that indirect costs of our various programs will be more clearly recognized and more appropriately distributed.

F. Haydn Morgan  
Director

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

JUL 17 1964

*Dr. Rainey*  
**RECEIVED**

JUL 20 1964

Dr. Gaylord P. Harnwell, President  
University of Pennsylvania  
Philadelphia 4, Pennsylvania

OFFICE OF THE PRESIDENT  
UNIVERSITY OF PENNSYLVANIA

GS-566

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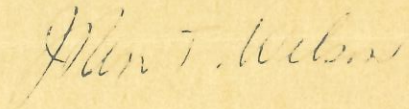
Dr. Gaylord P. Harnwell, President

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Sincerely yours,



JOHN T. WILSON  
Deputy Director

Enclosures

UNIVERSITY OF PENNSYLVANIA

SOCIAL SCIENCES

RAINEY

ANTHROPOLOGICAL SCIENCES

BUDGET

TWELVE MONTH BUDGET

A. SALARIES

Senior Personnel:

(1) Principal Investigator	\$ -----	\$ -----
(2) Faculty Associate	-----	-----

Other Personnel:

Two Research Assistants (full time)		13,000
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Fringe Benefits

	<u>1,170</u>
	\$14,170

B. EXPENDABLE EQUIPMENT AND SUPPLIES

2,500

TOTAL DIRECT COSTS

\$16,670

Indirect Costs (20% of Direct)

3,334

TOTAL

\$20,004

ROUNDED TO

\$20,000

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

August 17, 1965

*Asch*

Dr. Froelich Rainey  
The University Museum  
University of Pennsylvania  
33rd & Spruce Streets  
Philadelphia 4, Pennsylvania

Dear Dr. Rainey:

Many thanks for the Ralph-Han report on the thermoluminescence project. We are pleased to have it for our GS-566 file.

Sincerely,

*Mary Bostain*

Mary W. Bostain  
Assistant Program Director  
for Anthropology