

12000.00
4890.44
<u>600.00</u>
17,490.44
<u>840.00</u>
19330.44
<u>2749.56</u>
21080.00





109-2

**Project:** MKULTRA, Subproject 109

**Date Initiated:** July 1960

**Date Expires:** November 1961

**Funds-current year:** \$21,923, 20

**Purpose:** To develop bioassay and pharmacodynamic techniques in the field of enzymology required in the RB chemical agent program.

**Status:** Preliminary survey work is not yet completed since the program is only in its eighth month.

ACCOUNTING BY INDIVIDUAL FOR ADVANCE

SUBMITTED BY **MULLER, Sub-project 109**

PERIOD OF ACCOUNTING

FROM **1 September 1963** TO **31 August 1965**

1. CASH ON HAND BEGINNING OF PERIOD \$ **21,080.00**

2. OUTSTANDING ADVANCES BEGINNING OF PERIOD

3. RECEIPTS THIS PERIOD

4. TOTAL TO ACCOUNT FOR \$ **21,080.00**

5. CERTIFY FUNDS ARE AVAILABLE

6. REFUNDED HEREWITH

7. OUTSTANDING ADVANCES END OF PERIOD (Attach Listing)

8. CASH ON HAND END OF PERIOD OR BALANCE DUE ADVANCEE

9. TOTAL ACCOUNTED FOR \$ **21,080.00**

TOTAL EXPENSES \$ **21,080.00**

DATE **14 JAN 66**

SIGNATURE OF AUTHORIZING OFFICER

DATE **14 JAN 66**

SIGNATURE OF PAYEE

DATE **14 JAN 66**

SIGNATURE OF CERTIFYING OFFICER

DATE **14 JAN 66**

SIGNATURE OF PAYEE

DATE **14 JAN 66**

SIGNATURE OF CERTIFYING OFFICER

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SIGNATURE OF PAYEE

DATE **14 JAN 66**

SIGNATURE OF CERTIFYING OFFICER

DATE **14 JAN 66**

SIGNATURE OF PAYEE

DATE **14 JAN 66**

641208 JAN 1966

AMOUNT

\$ 21,080.00

EXPENSE - See attached certification

\$ 21,080.00

TOTAL EXPENSES

\$ 21,080.00

TOTAL TO ACCOUNT FOR

\$ 21,080.00

CASH

\$ 21,080.00

CHECK

\$ 0.00

MONEY ORDER

\$ 0.00

TOTAL EXPENSES

\$ 21,080.00

TOTAL TO ACCOUNT FOR

\$ 21,080.00

CASH

\$ 21,080.00

CHECK

\$ 0.00

MONEY ORDER

\$ 0.00

TOTAL EXPENSES

\$ 21,080.00

TOTAL TO ACCOUNT FOR

\$ 21,080.00

CASH

\$ 21,080.00

CHECK

\$ 0.00

MONEY ORDER

\$ 0.00

TOTAL EXPENSES

\$ 21,080.00

TOTAL TO ACCOUNT FOR

\$ 21,080.00

CASH

\$ 21,080.00

CHECK

\$ 0.00

MONEY ORDER

\$ 0.00

NOTE: Follow Instructions on Reverse

1. CASH ON HAND BEGINNING OF PERIOD

2. OUTSTANDING ADVANCES BEGINNING OF PERIOD

3. RECEIPTS THIS PERIOD

4. TOTAL TO ACCOUNT FOR

5. CERTIFY FUNDS ARE AVAILABLE

6. REFUNDED HEREWITH

7. OUTSTANDING ADVANCES END OF PERIOD (Attach Listing)

8. CASH ON HAND END OF PERIOD OR BALANCE DUE ADVANCEE

9. TOTAL ACCOUNTED FOR

TOTAL EXPENSES

TOTAL TO ACCOUNT FOR

CASH

CHECK

MONEY ORDER

TOTAL EXPENSES

TOTAL TO ACCOUNT FOR

CASH

CHECK

MONEY ORDER

TOTAL EXPENSES

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MONEY ORDER

TOTAL EXPENSES

TOTAL TO ACCOUNT FOR

CASH

CHECK

MONEY ORDER

TOTAL EXPENSES

TOTAL TO ACCOUNT FOR

CASH

CHECK

CERTIFICATION

This is to certify that I have received an accounting for MULTRA Sub-project 109, Invoice 3, which reflects expenses in the amount of \$21,000.00. This accounting is being retained in the project file and is available for review by the specially designated certifying officer.

I further certify that to the best of my knowledge and belief, the expenses listed in the accounting were for the purposes authorized in the approved activity.

A TSD/DAS

SIDNEY GOMLIES  
DC/TSD

109-4

September 20, 1965

Dr. [REDACTED]

Dear Dr. [REDACTED]

In accordance with the terms of your grant to Dr. [REDACTED] enclosed in duplicate is the final expenditure report.

This covers the period September 1, 1963, to August 31, 1965.

Very truly yours,

[REDACTED]  
CC: Dr. [REDACTED]

#109

BUDGET REPORT ON RESEARCH PROJECT  
SUPPORTED

BY THE [REDACTED] B  
AT THE [REDACTED]  
September 1, 1963 To August 31, 1965

Project Title: The [REDACTED]

Principal Investigator: [REDACTED] Ph.D. C  
Professor and Head of the Department-  
Pharmaceutical and Medicinal Chemistry-  
College of Pharmacy

Date: August 31, 1965

<u>Item</u>	<u>Appropriation</u>	<u>Payments</u>	<u>Outstanding Encumbrances</u>	<u>Unencumbered Balance</u>
Personnel:	\$ 2,114.25	\$ 2,114.25	\$ -0-	\$ -0-
Associated, Assistants: Consultants				
Supplies and Materials	3,052.44	3,052.44	-0-	-0-
Equipment	11,544.79	11,544.79	-0-	-0-
Travel	1,470.96	1,470.96	-0-	-0-
Sub-Total	\$ 18,182.44	\$ 18,182.44	\$ -0-	\$ -0-
7% Personnel Budget: To Cover Rat.-Soc.Sec.- Ins.	148.00	148.00	-0-	-0-
15% of Total Budget: To Cover Indirect Costs	2,749.56	2,749.56	-0-	-0-
Total	\$ 21,080.00	\$ 21,080.00	\$ -0-	\$ -0-

243620 4609R The [REDACTED] B  
[REDACTED] B  
[REDACTED] C

INVOICE # 3

107-4

CK # 367 1-7-63 10,540

CK # 370 2-7-63 10,540

21,080

NOT DUE UNTIL 085  
(SEE MEMO FM [REDACTED]  
DTD 2-26-63) C

109-5  
109

[REDACTED]

[REDACTED]

B

E

October 15, 1964

Dr. [REDACTED] C  
Director

[REDACTED]

Dear [REDACTED] e

With reference to your letter of October 8, 1964, please find enclosed a copy of our report of August 31, 1963, and copies of correspondence from Doctor [REDACTED] relating to reporting requirements. C

If the basis for this report is not correct or if you desire additional information, please let me know.

Very truly yours,

[REDACTED]

Administrative Assistant  
to the Vice-President

[REDACTED] e  
Enclosures

cc - Dr. [REDACTED] e

INVOICE #3 WILL  
NOT BE DUE UNTIL  
AUG. 1965

## INTEROFFICE COMMUNICATION

109-6

Date: February 26, 1963

From: Dr. [REDACTED] C

To: Mr. [REDACTED] C  
EGJSL  
(16362)

In accordance with Doctor [REDACTED] instructions (per telephone: Thursday afternoon, 31 January 1963), I should like to request that you submit to the [REDACTED]

I. Only one additional Terminal Report, dated 1 September 1961, in connection with the grant award announced in Doctor [REDACTED] letter of 6 November 1961. B

II. Only one Terminal Report, dated 1 August 1964, in connection with the grant award announced in Doctor [REDACTED] letter of 10 December 1962.

It is my understanding that no other fiscal reports need to be submitted.

C Sincerely,  
[REDACTED]cc Dean [REDACTED] C  
Dr. [REDACTED] A

INTROFFICE COMMUNICATION

EG451  
(16317) 109-7

Date August 26, 1963

From: Dr. [REDACTED]

To: Kr [REDACTED]

As a result of [REDACTED] conversation with Dr. [REDACTED] Monday afternoon, 26 August 1963, the contents of my memo of 26 February 1963 should be revised as follows:

Please submit to the [REDACTED]

- I. Only one additional Terminal Report, dated 1 September 1963, in connection with the grant award announced in Doctor [REDACTED] letter of 6 November 1961.
- II. Only one Terminal Report, dated 1 August 1965, in connection with the grant award announced in [REDACTED] letter of 10 December 1962. INVOICE # 3

It is my understanding that no other fiscal reports need to be submitted.

Sincerely,

[REDACTED SIGNATURE]

AL:sh

cc Dean [REDACTED]  
Dr. [REDACTED]

September 13, 1963

Dr. [REDACTED] A

Dear Dr. [REDACTED] B

In accordance with the terms of your grant with Dr. [REDACTED] enclosed in duplicate is the final expenditure report for the grant period December 1, 1961, to August 31, 1963.

Yours very truly,

Enclosures

cc: Dr. [REDACTED] C

109-8

Budget Report on Research Project Supported

by the [redacted] at the [redacted]

December 1, 1961 to August 31, 1963  $\beta$

Project Title: The [redacted] Agents.

Principal Investigator: [redacted] Ph.D., Professor and Head of the Department of Pharmaceutical and Medicinal Chemistry, College of Pharmacy.

Date: August 31, 1963

Item	Appropriation	Payments	Outstanding Encumbrances	Unencumbered Balances
Personnel:				
Associates, Assistants & Consultants	\$ 4,420.36	\$ 4,420.36	\$ -0-	\$ -0-
Supplies and Materials	5,053.14	5,053.14	-0-	-0-
Equipment	7,316.63	7,316.63	-0-	-0-
Travel	1,230.88	1,230.88	-0-	-0-
Subtotal:	<u>\$ 18,021.01</u>	<u>\$ 18,021.01</u>	<u>\$ -0-</u>	<u>\$ -0-</u>
7% of Personnel Budget; to cover Ret. - Soc. Sec. - Ins.	309.43	309.43	-0-	-0-
15% of Entire Budget; to cover Indirect Costs	2,749.56	2,749.56	-0-	-0-
Total	<u>\$ 21,080.00</u>	<u>\$ 21,080.00</u>	<u>\$ -0-</u>	<u>\$ -0-</u>

INV 2

I certify that services or materials have been satisfactorily received and the expenditures were incurred on official business.

[redacted signature]  
Date: 17 August 1964

Budget Report on Research Project  
Supported

by the [REDACTED]  
at the [REDACTED]

December 1, 1961 to May 31, 1962

Project Title: The Synthesis and Biochemical Evaluation of Potential Psychopharmacological Agents.

Principal Investigator: [REDACTED] Ph.D., Professor and Head of the Department of Pharmaceutical and Medical Chemistry, College of Pharmacy.

Date: May 31, 1962

Item	Appropriation	Payments	Outstanding Encumbrances	Unencumbered Balance
Personnel:				
Associates, Assistant & Consultants	\$ 7,500.00	\$ 499.98	\$ -0-	\$ 7,000.02
Supplies and Materials	3,890.14	1,749.30	33.50	2,107.64
Equipment	4,745.00	2,146.14	2,429.81	169.05
Travel	1,670.00	1,033.93	-0-	636.07
Subtotal:	\$17,805.14	\$5,429.35	\$2,463.31	\$ 9,912.78
7% of Personnel Budget; to cover Ret.-Sec.Sec.-Ins.	525.00	35.00	-0-	490.00
15% of Entire Budget; to cover Indirect Costs	2,749.56	819.65	-0-	1,929.91
Total	\$21,080.00	\$6,284.00	\$2,463.31	\$12,332.69

B

C

Budget Report on Research Project Supported

by the [redacted] at [redacted]

December 1, 1961 to August 31, 1963

B

Project Title: The Synthesis and Biochemical Evaluation of Potential Psychopharmacological Agents.

Principal Investigator: [redacted] Ph.D., Professor and Head of the Department of Pharmaceutical and Medicinal Chemistry, College of Pharmacy.

Date: August 31, 1963

<u>Item</u>	<u>Appropriation</u>	<u>Payments</u>	<u>Outstanding Encumbrances</u>	<u>Unencumbered Balances</u>
Personnel:				
Associates, Assistants & Consultants	\$ 4,420.36	\$ 4,420.36	\$ -0-	\$ -0-
Supplies and Materials	5,053.14	5,053.14	-0-	-0-
Equipment	7,316.63	7,316.63	-0-	-0-
Travel	1,230.88	1,230.88	-0-	-0-
Subtotal:	<u>\$ 18,021.01</u>	<u>\$ 18,021.01</u>	<u>\$ -0-</u>	<u>\$ -0-</u>
7% of Personnel Budget; to cover Ret.- Soc. Sec. - Ins.	309.43	309.43	-0-	-0-
15% of Entire Budget; to cover Indirect Costs	2,749.56	2,749.56	-0-	-0-
Total	<u><u>\$ 21,080.00</u></u>	<u><u>\$ 21,080.00</u></u>	<u><u>\$ -0-</u></u>	<u><u>\$ -0-</u></u>

109-9

(109)

<u>DATE</u>	<u>APPROVED</u>	<u>INVOICED</u>
2-19-60	21,080.00	
8-1-60		21,080.00
11-2-61	24,080.00	
11-13-61		24,080.00
11-15-62	21,080.00	
12-10-62		21,080.00

<u>DATE</u>	<u>APPROPRIATION</u>	<u>PAYMENTS</u>	<u>OUTSTG. ENCUMBS.</u>	<u>UNENC. BAL</u>
7-1-60- 6-30-61	(21,080.00) INV. # 1	3,232.17	-	17,847.83
7-1-60 11-30-61	(21,080.00)	21,080.00	-	-
12-1-61/ 5-31-62	(21,080.00) INV # 2	6,284.00	2,463.31	12,332.69
12-1-61/ 8-31-63	(21,080.00)	21,080.00	-	-

17 AUG 1964

107-9

REVISED

Date 19 February 1964

Branch BD Category BEHAVIORAL ACTIVITIES SUPPORT  
Behavioral Control Materials (Via)

Project Title Synthesis and evaluation of potential psychopharmacological compounds Item Classification Unclassified

Project Crypto MKULTRA Crypto Classification Unclassified

Branch Project No. N.A. Project Engineer [REDACTED]

Contractor [REDACTED]

Contract No. MKULTRA # 109 Task No. N.A.

Type of Contract N.A. Date Initiated 1 July 1960

Cost FY-63 \$21,923.20 Completion Date 30 June 1964

Purpose: Elucidation of interrelationships between molecular constitution and biological response of chemical compounds of interest to TSD.

Status: Terminal year of a basic biochemical research. All but the final phases of the research has been completed and the reports submitted. Reports relating to final phases of the contract will be received upon completion.

Requirement: Internally generated in TSD by need for special biologically active compounds and basic information of their characterization.



109-10  
REVISED

Date 5 September 1963

Branch BB Category BEHAVIORAL ACTIVITIES SUPPORT  
Behavioral Control Materials (Via)  
Project Title Synthesis and evaluation (formerly Vb)  
of potential psychophar-  
macological compounds Item Classification Unclassified

Project Crypto MKULTRA Crypto Classification Unclassified

Branch Project No. N.A. Project Engineer [REDACTED]

Contractor [REDACTED]

Contract No. MKULTRA # 109 Task No. N.A.

Type of Contract N.A. Date Initiated 1 July 1960

Cost \$21,923.20 Completion Date 30 November 1963

Purpose: Elucidation of interrelationships between molecular con-  
stitution and biological response of chemical compounds of  
interest to TSD.

Status: Terminal year of a basic biochemical research.

Requirement: Internally generated in TSD by need for special biolog-  
ically active compounds and basic information of their  
characterization.

109-11

[Redacted] B

[Redacted]

June 12, 1962

Dr. [Redacted] A

Dear [Redacted] A

This is just a brief note to let you know that I have received the check for \$3,000.00 (three thousand dollars) from the [Redacted] C

Please accept my sincerest thanks,

[Redacted] C

By Air Mail

Professor and Chairman

I have submitted

[Redacted] A

3/2/63

109-12

Budget Report on Research Project Supported

by the [redacted] at the [redacted] B

December 1, 1961 to May 31, 1962

Project Title: The Synthesis and Biochemical Evaluation of Potential Psychopharmacological Agents.

Principal Investigator: [redacted] Ph.D., Professor and Head of the Department of Pharmaceutical and Medical Chemistry, College of Pharmacy.

Date: May 31, 1962

Item	Appropriation	Payments	Outstanding Encumbrances	Unencumbered Balance
Personnel: Associates, Assistant & Consultants	\$ 7,500.00	\$ 499.98	\$ -0-	\$ 7,000.02
Supplies and Materials	3,890.14	1,749.30	33.50	2,107.64
Equipment	4,745.00	2,146.14	2,429.81	169.05
Travel	1,670.00	1,033.93	-0-	636.07
Subtotal:	<u>\$17,805.14</u>	<u>\$5,429.35</u>	<u>\$2,463.31</u>	<u>\$ 9,912.78</u>
7% of Personnel Budget; to cover Ret.-Soc.Sec.-Ins.	525.00	35.00	-0-	490.00
15% of Entire Budget; to cover Indirect Costs	2,749.56	819.65	-0-	1,929.91
Total	<u><u>\$21,080.00</u></u>	<u><u>\$6,284.00</u></u>	<u><u>\$2,463.31</u></u>	<u><u>\$12,332.69</u></u>

INV 2

I hereby certify that the submitted [redacted]

A [redacted]

B [redacted]

C [redacted]

3/7/62

RECEIPT

Receipt is hereby acknowledged for the following two checks:

Treasurer's Check No. [redacted] dated 27 December 1962  
in the amount of \$843.20, payable to [redacted] B  
drawn on [redacted] E

Treasurer's Check No. [redacted] dated 27 December 1962 B  
in the amount of \$21,000.00, payable to [redacted] E  
drawn on [redacted] E

Name

Date

[redacted]  
Jan 3, 1963





109-17

15 November 1962

109

Authorization # 3

109

\$21,080.00

3125-1390-3902

C [REDACTED]

Original signed by

Does not include 84320

R&D

fee

30 NOV 30 1962

A

4 DEC 1962

BB



107-11

15 November 1962

109

Authorization # 3

109

\$21,080.00 + 849.20

3125-1390-3902

[REDACTED]

A

[REDACTED]

A

I HEREBY STATE THAT  
ORGANIZATION REFERENCE IS: 947  
OFFICE TO WHICH ASSIGNED: 3125-1390-3902

A

Henry J. Githens  
4 Dec 1962

109-15

DRAFT

15 November 1962

MEMORANDUM FOR : THE RECORD

SUBJECT : MKULTRA, Subproject 109

1. The purpose of this subproject is to provide funds for the continuation of a study of potential psychopharmacological agents. In particular, studies will be directed to the elucidation of interrelationships between molecular constitution and biological response. Studies will be conducted into the biochemical characteristics of certain types of Chemical moieties which are of interest to TSD/BB in carrying out its program on the development of means to control Human Behavior.

2. The attached Budget indicates the extent of the investigations that will be carried out under the direction of Dr. [REDACTED] in facilities available at the [REDACTED]. The funds for this project will be transferred using the [REDACTED] as a cutout.

3. The studies being carried out under this subproject were originally planned to cover a period of approximately five years based upon the attached proposal. However, the change in emphasis

[REDACTED]

[REDACTED]

109-3.4

[REDACTED]

of the present TSD program requires that these plans be altered considerably. The investigation has therefore agreed to produce as many actual end-item compounds as possible during the next year and also to consider this as the final year of the project. For this reason the attached budget has been scaled down from the original estimate of \$29,578.00 to \$21,080.00. The lower figure reflects mostly lowered personnel costs occasioned by the simpler developmental activities now planned.

4. The cost of this program for a period of one year will not exceed \$21,080.00 to which must be added the four per cent fee to the [REDACTED] making the total amount \$21,923.20. Charges should be made against Allotment No. 3125-1390-3902.

B

5. The [REDACTED] requires that the [REDACTED] submit to them a summary accounting on an annual basis of all monies received from the [REDACTED]. Also, unexpended funds will be returned by the [REDACTED] as soon as possible upon the close of the grant year.

6. A requirement for a six months' informal accounting on the part of the principal investigator is waived.

7. It is not anticipated that any permanent equipment will be needed for this program.

[REDACTED]

[REDACTED]

8. In connection with travel under this project, it is agreed that the Agency will accept the travel documentation and accounting which conform with the practices of the [REDACTED]

9. It is agreed that technical reports reflecting the progress of the research program shall be submitted at mutually acceptable intervals. <sup>B</sup>

10. All personnel connected with the planning and monitoring of this program possess TOP SECRET Agency security approval.

11. This project will be unclassified after it leaves the [REDACTED]

B

A  
Chief  
BIOLOGICAL BRANCH

Attachment:  
Proposal & Budget

Distribution:  
Original only

PROPOSED RESEARCH PROJECT  
TO BE SUPPORTED

BY THE [REDACTED] B  
AT THE [REDACTED]  
(Effective July 1, 1960)

Project Title: The Synthesis and Biochemical Evaluation of Potential Psychopharmacological Agents.

Principal Investigator: [REDACTED] Ph.D., Professor and Head of the Department of Pharmaceutical and Medicinal Chemistry, College of Pharmacy.\*

For the past several years, the applicant has been engaged in research involving (I) the synthesis of organic entities having potential effects upon the central nervous system, and (II) the evaluation of connections between the chemical and pharmacodynamic properties of these compounds. The applicant is primarily interested in the fundamental study of relationships between molecular constitution and biochemical response, and is particularly concerned with the effect of gradual changes in the chemical structure of synthetic entities upon isolated enzyme systems. The reader is referred to (A) reports submitted earlier to the [REDACTED] 1-7, and (B) published accounts 8-19 for supplemental information.

The applicant plans to continue his investigation in accordance with the principles set forth in the cited communications. Specifically, he intends to:

1. Synthesize several series of new compounds patterned after (a) organic amines known to affect the central nervous system, and (b) moieties acknowledged as substrates in enzyme systems implicated in the pharmacodynamics of compounds possessing psychopharmacological properties. The member compounds of each series will be designed with gradual changes in their constitution, or physical properties, or both; furthermore, they will be planned in such a manner that potential differences in the interaction between the member compounds of a given synthetic series and a given enzyme may be interpreted in terms of concepts reasonably well established in contemporary theoretical chemistry.
2. Study the effect of these entities upon (a) isolated enzyme preparations believed to be associated with brain function, and (b) other plausible biochemical systems.
3. Explore relationships between the biochemical activity of each series of derivatives, and the successive changes in the chemical and physical characteristics of the member compounds.

\*\*\*

At present, our synthetic work is centered around series of arylalkylaminoalkylacetamides, and pyridine- and piperidinecarboxamides which could be visualized as moieties derived from the psychotomimetic molecule LSD (see Figures I, II, III and IV; other series have been planned).

Concurrently, the completed compounds are being evaluated in isolated cholinesterase systems in which LSD has shown remarkable specificity. Our manometric procedures

\* Effective July 1, 1960 (on leave of absence July 1, 1960 through June 30, 1961).





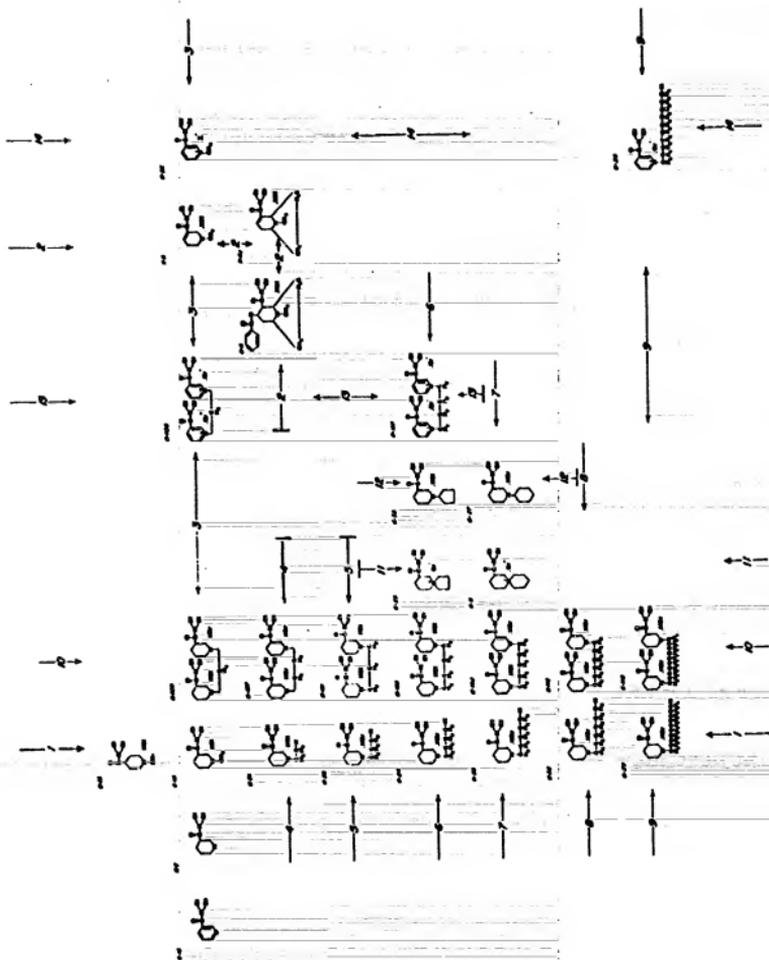


FIGURE III.

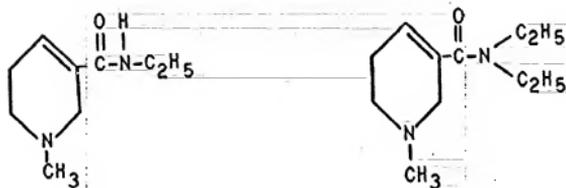
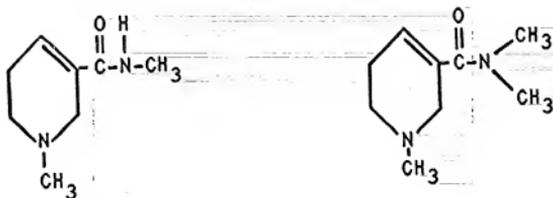


FIGURE IV.

Page Six

yield very precise measurements of activity in isolated pseudo- and acetylcholinesterase systems, and enable us to evaluate the significance of even minor variations in activity due to small constitutional changes in a series of molecules.

We are aware of the fact that the effectiveness of a psychopharmacological agent in vitro cannot be interpreted as evidence for the involvement of the specific enzyme in the mechanism of psychotomimetic responses. Yet even without conclusive causal connection, this approach may furnish valuable information on the nature of psychopharmacological agents.

\*\*\*

It is felt that this investigation may yield (a) information assisting the elucidation of interrelationships between molecular constitution and biological response, (b) better insight into the biochemical characteristics and therapeutic potentialities of certain types of moieties, (c) several series of new organic compounds and information about their physical characteristics, and (d) data supplementing our knowledge of the neurochemical processes associated with the action of psychopharmacological agents.

\*\*\*

The references cited in the first paragraph of the outline are listed on the following page.

\*\*\*

January 22, 1960



cc: [redacted]

References: C

1. [redacted] First Annual Report to the [redacted] June 1955, [redacted]
2. [redacted] Second Annual Report to the [redacted] May 1956, [redacted]
3. [redacted] Third Report to the [redacted] December 1956, [redacted]
4. [redacted] Fourth Report to the [redacted] May 1957, [redacted]
5. [redacted] Fifth Report to the [redacted] May 1958, [redacted]
6. [redacted] Sixth Report to the [redacted] May 1959, [redacted]
7. [redacted] Seventh Report to the [redacted] May 1960, [redacted] (in preparation).
8. [redacted] J. Org. Chem., 21: 799, 1956.
9. [redacted] J. Org. Chem., 21: 805, 1956.
10. [redacted] J. Org. Chem., 21: 958, 1956.
11. [redacted] J. Org. Chem., 22: 837, 1957.
12. [redacted] Intern. pharmacodynamic, 115: 452, 1958.
13. [redacted] J. Org. Chem., 23: 1577, 1958.
14. [redacted] J. Org. Chem., 23: 2005, 1958.
15. [redacted] Pharm. Assoc., Sci. Ed., 43: 345, 1959.
16. [redacted] Abstracts, Am. Soc. Pharmacol. & Exp. Therap., September 1959, p. 67.
17. [redacted] Nature, 184: 1922, 1959.
18. [redacted] Sastry, J. med. pharm. Chem., 2: in press, 1960.
19. [redacted] med. pharm. Chem., 2: in press, 1960.

109-17

PROPOSED BUDGET FOR RESEARCH PROJECT  
SUPPORTED

BY THE [REDACTED]  
AT [REDACTED]  
(December 1, 1962 through November 30, 1963) B

Project Title: The Synthesis and Biochemical Evaluation of Potential  
Psychopharmacological Agents.

Principal Investigator: [REDACTED] C, Ph.D., Professor and Chairman  
of the Department of Pharmaceutical and Medi-  
cinal Chemistry, College of Pharmacy.

Personnel (Associates, Assistants and Consultants)	\$ 12,000.00
Supplies and Materials	\$ 4,890.44
Travel	\$ 600.00
SUBTOTAL I	\$ 17,490.44
7% of Personnel Budget (\$ 12,000.00 ); to cover retirement, etc.	\$ 840.00
SUBTOTAL II	\$ 18,330.44
15% of Subtotal II (\$ 18,330.44 ); to cover participation in indirect costs	\$ 2,749.56
TOTAL	\$ 21,080.00

\*\*\*

Checks should be payable to the [REDACTED] B

May 31, 1962

[REDACTED] C

109-17

Date 15 November 1962

Branch BB Category Behavior Prediction and Control ( Vb )

Project Title Synthesis and evaluation of Potential Psychopharmacological Compounds  
Item Classification Unclassified

Project Crypto NOCLERA Crypto Classification Unclassified

Branch Project No. \_\_\_\_\_ Project Engineer [REDACTED]

Contractor [REDACTED] A

Contract No. Subproject # 109 B Task No. N.A.

Type of Contract N.A. Date Initiated 1 July 1960

Cost \$21,000 00 Completion Date 30 November 1963

Purpose: Elucidation of interrelationships between molecular constitution and biological responses of chemical compounds of interest to TSD.

Status: Terminal year of a basic biochemical research.

REQUIREMENT SOURCE: Internally generated in TSD by need for special biologically active compounds and basic information on their characterization.

file in  
MNUCTA sub  
109-18

[REDACTED]

May 31, 1962

Dr. [REDACTED]

Dear [REDACTED]:

I certainly enjoyed talking to you this morning.

For your convenience, I am enclosing a copy of the proposed budget for the next grant period (December 1, 1962 through November 30, 1963).

With the very best regards,

Sincerely,

[REDACTED]

Enclosure  
By Air Mail

Professor and Chairman

P.S.: My home address is:

[REDACTED]

B

TO THE [REDACTED] CONSULTANTSHIP [REDACTED]  
(December 1, 1962 through November 30, 1963)

C [REDACTED] Ph.D., Professor and Chairman of  
the Department of Pharmaceutical and Medicinal  
Chemistry, College of Pharmacy.

\$ 3,000.00

\*\*\*

C [REDACTED]

May 31, 1962

107-18

## PROPOSAL FOR ESTABLISHMENT OF FACILITIES FOR PSYCHOTOMIMETIC DRUG TESTING

First Year:Survey of promising compounds

Literature review

Visits to sources, seminars

[REDACTED] suggestions

"Practice" trials--reproduce established results

Effects to be screened:

convulsants - anticonvulsants

specific arterial dilators - constrictors - antiserotonin effect

cholinesterase inhibitors

sympathomimetic-parasympathomimetic

BUDGET - INITIAL STAFF

Neurologist - principal investigator	\$ 3,000
Clinical pharmacologist	11,000
Research assistants	10,000
Statistician services (part time)	1,200
Resident assignments (8 mo.-\$300/mo.)	2,400

## Equipment and supplies

e.g. calculator, camera,

E.E.G. service, computer service

4,000

## Travel

600

Total	\$35,200
-------	----------

To the budget figures must be added 7% of personnel budget for retirement and 15% of overall costs for overhead.

## FACILITIES FOR PSYCHOTOMIMETIC DRUG TESTING (CONTINUED)

Second Year:Trials of new compounds

Screening potentially valuable effects

Chronic toxicity in animals

Human trials - double blind and/or concurrent trials:

psychological effects

autonomic effects

anticonvulsant

antispasmodic

anticholinesterase (limited, on myasthenia gravis patients)

antiserotonin ("cluster" headaches)

## BUDGET - SECOND YEAR STAFF

Neurologist - principal investigator	\$ 3,000
Clinical pharmacologist	14,000
Experimental psychologist	10,000
Research assistants	10,500
Statistician services	1,200
Clerk-statistician	3,000
Resident assignments	3,600
Equipment and supplies (including animals and care)	5,000
Travel	400
Total	\$50,700

(+ 7% personnel for retirement)  
 (+15% overall for overhead)

It may be advisable also to consider the addition of a basic pharmacologist to the staff in second (or third) year.

[REDACTED] B [REDACTED] E

March 9, 1962

109-19

[REDACTED] B  
[REDACTED] C  
Attention: [REDACTED]  
Director

Dear Sir:

Enclosed is the cumulative annual expenditure report on your grant to Dr. [REDACTED] This is for the period July 1, 1960, to November 30, 1961. C

Yours very truly,

[REDACTED] C  
[REDACTED] b  
Enclosure C  
cc: [REDACTED] Ph. D.

109-19

Budget Report on Research Project  
Supported

by The [Redacted] at [Redacted] B

(July 1, 1960 through November 30, 1961)

Project Title: The Synthesis and Biochemical Evaluation of Potential Psychopharmacological Agents

Principal Investigator: [Redacted] Ph.D., Professor and Head of the Department of Pharmaceutical and Medicinal Chemistry, College of Pharmacy C

Date: November 30, 1961

Item	Appropriation	Payments	Encumbrances	Outstanding	Unencumbered
				Balance	Balance
Personnel:					
Principal Investigator	\$ 3,000.00	\$ 3,000.00	\$ -0-	\$ -0-	
Associates, Assistants & Consultants	1,077.00	1,077.00	-0-	-0-	
Supplies and Materials	7,061.55	7,061.55	-0-	-0-	
Equipment	6,324.93	6,324.93	-0-	-0-	
Travel	581.57	581.57	-0-	-0-	
Subtotal:	\$18,045.05	\$18,045.05	\$ -0-	\$ -0-	
7% of Personnel Budget; to cover Ret.-Soc.Sec.-Ins.	285.39	285.39	-0-	-0-	
15% of Entire Budget; to cover Indirect Costs	2,749.56	2,749.56	-0-	-0-	
Total:	\$21,080.00	\$21,080.00	\$ -0-	\$ -0-	

INV. 1

I have examined and approved the submitted expenditures.

[Redacted Signature]

Chief  
TSS/Chemical Division A

[Redacted Signature] B  
[Redacted Signature] C

Date: 3/28/62

29 March 1962

MEMORANDUM FOR: The Record

SUBJECT : MKULTRA, Subproject 109, Cost of  
Equipment Exceeded Budget Estimate

1. The Budget Proposal for Subproject 109, dated 22 January 1960, had a proposed figure of \$5,000.00 for supplies and materials. There was no anticipation of any equipment.

2. An accounting report has been received for the period 1 July 1960 through 30 November 1961. This report reflected expenditures of \$7,061.55 for supplies and materials, and \$6,324.93 for equipment. These amounts exceeded the figures in the original proposed budget.

3. This equipment was expendable and the expenditures have the approval of TSD/RB as being essential for the successful completion of the research work that was conducted.

A

Chief

TSD/Research Branch

109-21

March 9, 1962

*B*  
[Redacted]

Attention: [Redacted] *C*  
Director

Dear Sir:

Enclosed is the cumulative annual expenditure report on your grant to Dr. [Redacted] This is for the period July 1, 1960, to November 30, 1961. *C*

Yours very truly,

*C*  
[Redacted Signature]

*C*  
[Redacted]

Enclosure *C*  
cc: [Redacted] Ph. D.



109-21

Date: 2 November 1961

MEMORANDUM FOR: THE COMPTROLLER

ATTENTION : Finance Division

SUBJECT : MKULTRA, Subproject 109

Under the authority granted in the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda, Subproject 109 has been approved, and \$25,043.20 of the over-all Project MKULTRA funds have been obligated to cover the subproject's expenses and should be charged to cost center 2125-1370-3922.

A

[Redacted]

Chief

TSD/Research Branch

APPROVED FOR OBLIGATION OF FUNDS:

Original signed by [Redacted]

A

Research Director

Date:

Distribution:

Original: 2 Addresses

✓ 1 - TSD/FASS

2 - TSD/RB

[Redacted]

109-22

13 November 1961

MEMORANDUM FOR: Chief, Finance Division

VIA : TSD/Budget Officer

SUBJECT : MKULTRA, Subproject 109, Invoice No. 3  
Allotment No. 2125-1390-3902.

1. Invoice No. 1 covering the above subproject is attached.  
Payment should be made as follows:

Cashier's check in the amount of \$24,080.00,  
drawn on a [redacted] E

Cashier's check in the amount of \$563.20, drawn  
on a [redacted] E

Each check should be made payable to the [redacted] B

2. Please forward the checks to Chief, TSD/Research  
Branch through TSD/Budget Officer by 28 November 1961.

3. This is a final invoice. However, since it is anticipated  
that additional funds will be obligated for this project, the files  
should not be closed.

A  
[redacted]  
Chief  
TSD/Research Branch

Attachment:  
Invoice & Certifications

Distribution:  
Orig. & 2 - Addressee  
1 - TSD/FASS  
2 - TSD/RB

E

G

16199

811  
2100-1390-3102

7704

913

A

[redacted] 5 Dec 1961 [redacted] 5 Dec 61

109-22

109

RECEIPT \_\_\_\_\_

Receipt is hereby acknowledged for the following two checks: \_\_\_\_\_

Cashier's Check No. \_\_\_\_\_ dated November 30, 1961  
in the amount of \$24,080.00, payable to \_\_\_\_\_  
drawn on \_\_\_\_\_

Treasurer's Check No. \_\_\_\_\_ dated November 29, 1961  
in the amount of \$963.20, payable to \_\_\_\_\_  
drawn on \_\_\_\_\_

Name \_\_\_\_\_

Date 7 Dec 1961

104-22

13 November 1961

MEMORANDUM FOR: Chief, Finance Division

VIA : TSD/Budget Officer

SUBJECT : MKULTRA, Subproject 109, Invoice No. 2  
Allotment No. 2125-1390-3902.

1. Invoice No. 1 covering the above subproject is attached.  
Payment should be made as follows:

Cashier's check in the amount of \$24,080.00,  
drawn on [redacted] E

Cashier's check in the amount of \$963.20, drawn  
on a [redacted] E

Each check should be made payable to the [redacted] B

2. Please forward the checks to Chief, TSD/Research  
Branch through TSD/Budget Officer by 28 November 1961.

3. This is a final invoice. However, since it is anticipated  
that additional funds will be obligated for this project, the files  
should not be closed.

A [redacted]  
Chief  
TSD/Research Branch

Attachment:  
Invoice & Certifications

Distribution:  
Orig. & 2 - Addressee

1 - TSD/FASS  
✓ 2 - TSD/RB

Rec'd  
13 Nov 1961

109-23

INVOICE

For Services

B

\$25,043.20



CERTIFICATIONS

(1) It is hereby certified that this is invoice #11 applying to Sub-project No. 109 of MKULTRA, that performance is satisfactory, that services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSD/RI, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSD/Research Branch

Date 13 November 1961

(2) It is hereby certified that this invoice applies to Subproject 109 of MKULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum of 13 April 1963 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

LINE



109-24

DRAFT  
2 November 1961

MEMORANDUM FOR: THE RECORD  
SUBJECT: MKULTRA, Subproject 109

1. The purpose of this subproject is to provide funds for the continuation of a study of potential psychopharmacological agents. In particular, studies will be directed to the elucidation of interrelationships between molecular constitution and biological response. Studies will be conducted into the biochemical characteristics of certain types of <sup>Chemical</sup> moieties which are of interest to TSD/RB <sup>BB</sup> in carrying out its program on the development of means to control human behavior.

2. The attached Budget indicates the extent of the investigations that will be carried out under the direction of Dr. [redacted] C. [redacted] in facilities available at the [redacted] B. The funds for this project will be transferred using the [redacted] C. [redacted] as a cutout. For administrative purposes in this project, the salary of the principal investigator, Dr. [redacted] C. will be carried as a separate budget item and will be paid directly to him by the cutout.

[redacted]



4. The cost of this program for a period of one year will not exceed <sup>21,090.00</sup> \$24,080.00 to which must be added the four per cent fee to the <sup>21,923.20</sup> making the total amount \$25,043.20. Charges should be made against Allotment No. 2125-1390-3902.

5. The [redacted] requires that the [redacted] submit to them a summary accounting on an annual basis of all monies received from the [redacted]. Also, unexpended funds will be returned by the [redacted] as soon as possible upon the close of the grant year.

B

6. A requirement for a six months' informal accounting on the part of the principal investigator is waived.

7. It is not anticipated that any permanent equipment will be needed for this program.

8. In connection with travel under this project, it is agreed that the Agency will accept the travel documentation and accounting which conform with the practices of the [redacted].

9. It is agreed that technical reports reflecting the progress of the research program shall be submitted at mutually acceptable intervals.



109. All personnel connected with the planning and monitoring of this program possess TOP SECRET Agency security approval.

110. This project will be unclassified after it leaves the

[REDACTED]

[REDACTED]

Chief  
TSD/Research Branch

APPROVED FOR OBLIGATION OF FUNDS:

[REDACTED]

Research Director

Date:

NOV 6 1961

Attachment: Proposal & Budget

Distribution: Original only

[REDACTED]

PROPOSED BUDGET FOR RESEARCH PROJECT  
SUPPORTED

BY THE [REDACTED]  
AT [REDACTED]  
(December 1, 1961 through November 30, 1962) B

Project Title: The Synthesis and Biochemical Evaluation of Potential Psychopharmacological Agents.

Principal Investigator: [REDACTED] Ph.D., Professor and Head of the Department of Pharmaceutical and Medicinal Chemistry, College of Pharmacy.

Personnel (Associates, Assistants and Consultants)	\$ 12,000.00
Supplies and Materials	\$ 4,890.44
Travel	\$ 600.00
SUBTOTAL I	\$ 17,490.44
7% of Personnel Budget (\$ 12,000.00); to cover retirement, etc.	\$ 840.00
SUBTOTAL II	\$ 18,330.44
15% of Subtotal II (\$ 18,330.44); to cover participation in indirect costs	\$ 2,749.56
TOTAL	\$ 21,080.00

\*\*\*

Checks should be payable to the [REDACTED]

October 2, 1961

cc [REDACTED]

TO THE CONSULTANTSHIP <sup>B</sup>  
(December 1, 1961 through November 30, 1962)

<sup>C</sup>  
Ph.D., Professor and Head of the  
Department of Pharmaceutical and Medicinal  
Chemistry, College of Pharmacy.

\$ 3,000.00

\*\*\*

October 2, 1961

<sup>C</sup>

109-24

~~SECRET~~

Date: 2 November 1961

MEMORANDUM FOR: THE COMPTROLLER

ATTENTION : Finance Division

SUBJECT : MKULTRA, Subproject 109

Under the authority granted in the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda, Subproject 109 has been approved, and \$25,943.20 of the over-all Project MKULTRA funds have been obligated to cover the subproject's expenses and should be charged to cost center 2125-1392-3922.

A  
  
Chief  
TSD/Research Branch

APPROVED FOR OBLIGATION  
OF FUNDS:

\_\_\_\_\_  
Research Director

Date: \_\_\_\_\_

Distribution:

Original & 2 - Addressee

1 - TSD/FASS

✓ 2 - TSD/RB

~~SECRET~~

109-95  
File

E

B

January 4, 1961

B

ATTENTION: Dr.

Dear Sir:

A

Enclosed, herewith, is the first semi-annual  
expenditure report for your grant to Dr.

C

Sincerely yours,

C

Enclosure

109-25

BUDGET REPORT ON RESEARCH PROJECT SUPPORTED

BY THE [REDACTED] AT [REDACTED] (July 1, 1960 through June 30, 1961) B

Project Title: The Synthesis and Biochemical Evaluation of Potential Psychopharmacological Agents. C

Principal Investigator: [REDACTED] Ph.D., Professor and Head of the Department of Pharmaceutical and Medicinal Chemistry, College of Pharmacy.

Date: December 31, 1960.

ITEM	APPROPRIATION	PAYMENTS	OUTSTANDING ENCUMBRANCES	UNENCUMBERED BALANCE
Personnel -				
Principal Investigator:	\$ 3,000.00	\$ 1,500.00	\$ -0-	\$ 1,500.00
Associates, Assistants and Consultants:	9,000.00	1,000.00	-0-	8,000.00
Supplies and Materials:	4,890.44	13.50	-0-	4,876.94
Travel:	600.00	122.08	-0-	477.92
SUBTOTAL:	\$ 17,490.44	\$ 2,635.58	\$ -0-	\$ 14,854.86
7% of Personnel Budget: to cover insurance, retirement, etc.:	840.00	175.00	-0-	665.00
1% of Entire Budget: to cover participation in indirect costs:	2,749.56	421.59	-0-	2,327.97
TOTAL:	\$ 21,080.00	\$ 3,232.17	\$ -0-	\$ 17,847.83

INV-1

cc Dr. [REDACTED]

B [REDACTED]

A [REDACTED]

C Adm. Asst. to the Vice-President

Date: 1/1/61

109-26

C

The first quarterly grant in aid check for Dr. [REDACTED] research should be forwarded. Each quarterly payment is \$5,270.00. Quarterly payments are due on July 1, 1960; October 1, 1960; January 1, 1961; and April 1, 1961.



109-26

19 February 1960

MEMORANDUM FOR: COMPTROLLER

ATTENTION : Finance Division

SUBJECT : MKULTRA, Subproject No. 109

Under the authority granted in the Memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda, Subproject 109 has been approved and \$21,923.20 of the over-all Project MKULTRA funds have been obligated to cover the subproject's expenses and should be charged to Allotment 0525-1009-4902.

A

Chief  
TSS/Chemical Division

APPROVED FOR OBLIGATION  
OF FUNDS:

~~Research Director~~

Date:

29 FEB 1960

Distribution:

Orig & 2 - Addressee

1 - TSS/OC

1 - TSS/FASB

2 - TSS/CD

TSS/CD/ (19 Feb 60)

I CERTIFY THAT FUNDS ARE AVAILABLE  
OBLIGATION REFERENCE NO. 1231  
CHARGE TO ALLOTMENT NO. 0525-1009-4902

29 FEB

AUTHORIZED OFFICER

~~SECRET~~

109-27

1 August 1960

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA : TSD/Budget Officer

SUBJECT : MKULTRA, Subproject #109, Invoice #1  
Allotment 0525-1009-4902

1. Invoice #1 covering the above subproject is attached.  
Payment should be made as follows:

Cashier's check in the amount of \$21,080.00, drawn  
on a [REDACTED] E

Cashier's check in the amount of \$843.20, drawn on  
a [REDACTED] E

Each check should be made payable to the [REDACTED] B

2. Please forward the checks to Chief, TSD/Research Branch  
through TSD/Budget Officer by 15 August 1960.

3. This is a final invoice. However, since it is anticipated  
that additional funds will be obligated for this project, the files should  
not be closed.

A [REDACTED]  
Chief  
TSD/Research Branch

Attachment:  
Invoice & Certifications

Distribution:  
Orig. & 2 - Addressee

1 - TSD/FASS  
2 - TSD/RB

I CERTIFY THAT FUNDS ARE AVAILABLE.  
ORIGINATION OFFICE NO. 1731  
CHARGE TO PROJECT NO. 0525-1009-4902  
AUTHORIZING OFFICER

109-27

RECEIPT

Receipt is hereby acknowledged for the following two checks:

Treasurers Check No. [REDACTED] dated August 11, 1960 in  
the amount of \$21,080.00, payable to [REDACTED] B  
[REDACTED], drawn on [REDACTED] C

Official Check No. [REDACTED] dated August 11, 1960 in the  
amount of \$843.20, payable to [REDACTED] B  
[REDACTED], drawn on [REDACTED] C

Name [REDACTED] C

Date 15 Aug 60

109-27

1 August 1960

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA : TSD/Budget Officer

SUBJECT : MKULFRA, Subproject #109, Invoice #1  
Allotment 0525-1009-4902

1. Invoice #1 covering the above subproject is attached.  
Payment should be made as follows:

Cashier's check in the amount of \$21,080.00, drawn  
on a [redacted] E

Cashier's check in the amount of \$843.20, drawn on  
a [redacted] E B

Each check should be made payable to the [redacted] B

2. Please forward the checks to Chief, TSD/Research Branch  
through TSD/Budget Officer by 15 August 1960.

3. This is a final invoice. However, since it is anticipated  
that additional funds will be obligated for this project, the files should  
not be closed.

A [redacted]  
Chief  
TSD/Research Branch

Attachment:  
Invoice & Certifications

Distribution:  
Orig. & 2 - Addressee

- 1 - TSD/FASS
- 2 - TSD/RB

109-28

~~SECRET~~

INVOICE

For Services :

B \$21,923.20



CERTIFICATIONS

(1) It is hereby certified that this is Invoice #1 applying to Subproject 109 of MKULTRA, that performance is satisfactory, that services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSD/RB, that this bill is just and correct and that payment thereof has not yet been made.

\_\_\_\_\_  
Chief, TSD/Research Branch

Date: \_\_\_\_\_

(2) It is hereby certified that this invoice applies to Subproject No. 109 of MKULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum of 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

\_\_\_\_\_  
Research Director

Date: \_\_\_\_\_

109-28

19 February 1960

MEMORANDUM FOR: COMPTROLLER  
ATTENTION: Finance Division  
SUBJECT: MKULTRA, Subproject No. 109

Under the authority granted in the Memorandum dated  
13 April 1953 from the DCI to the DD/A, and the extension of this  
authority in subsequent memoranda, Subproject 109 has been  
approved and \$21,923.20 of the over-all Project MKULTRA funds  
have been obligated to cover the subproject's expenses and  
should be charged to Allotment 0525-1009-4902.

  
A Chief  
TSS/Chemical Division

APPROVED FOR OBLIGATION  
OF FUNDS:

\_\_\_\_\_  
Research Director

Date: \_\_\_\_\_

Distribution:

Orig & 2 - Addressee

- 1 - TSS/OC
- 1 - TSS/FASB
- 2 - TSS/CD

TSS/CD/  (19 Feb 60) 

109-29

DRAFT  
19 February 1960

MEMORANDUM FOR: THE RECORD

SUBJECT : MKULTRA, Subproject 109

1. The purpose of this subproject is to provide funds for <sup>the activities</sup> a study of potential psychopharmacological agents. In particular, studies will be directed to the elucidation of interrelationships between molecular constitution and biological response. Studies will be conducted into the biochemical characteristics of certain types of moieties which are of interest to TSS/CD.

2. The attached <sup>Budget</sup> proposal indicates the extent of the investigations that will be carried out under the direction of Dr. [redacted] in facilities available at the [redacted]. The funds for this project will be transferred using the [redacted] for [redacted] as a cut out.

3. The cost of this program for a period of one year will not exceed \$21,080.00 to which must be added the four per cent fee to the [redacted] making the total amount \$21,923.20. Charges should be made against Allotment No. 0525-1009-4902.

4. The [redacted] requires that the [redacted] submit to them a summary accounting on an annual basis of [redacted]

all monies received from the Fund. Also, unexpended funds will be returned by the [redacted] as soon as possible upon the close of the grant year. B

5. A requirement for a six months' informal accounting on the part of the principal investigator is waived.

6. It is not anticipated that any permanent equipment will be needed for this program.

7. In connection with travel under this project, it is agreed that the Agency will accept the travel documentation and accounting which conform with the practices of the [redacted] B

8. It is agreed that technical reports reflecting the progress of the research program shall be submitted at mutually acceptable intervals.

9. All personnel connected with the planning and monitoring of this program possess TOP SECRET Agency security approval.

10. This project will be unclassified after it leaves the

[redacted]

B

APPROVED FOR OBLIGATION OF FUNDS:

[redacted]

Chief  
TSS/Chemical Division

[redacted] A

Research Director

[redacted]

Date: 20 FEB 1955

Distribution: Original only

Attachment: Proposal & Budget

[redacted]

101-29

PROPOSED BUDGET FOR RESEARCH PROJECT  
SUPPORTED

BY THE [REDACTED] B  
AT THE [REDACTED]  
(July 1, 1961 through June 30, 1962)

Project Title: The Synthesis and Biochemical Evaluation of Potential Psychopharmaceutical Agents.

Principal Investigator: [REDACTED] Ph.D., Professor and Head of the Department of Pharmaceutical and Medicinal Chemistry, College of Pharmacy.\*

Personnel -		
Principal Investigator		\$ 3,000.00
Associates, Assistants and Consultants		\$ 9,000.00
Supplies and Materials		\$ 5,000.00
Travel		\$ 600.00
SUBTOTAL		\$ 17,600.00
7% of Personnel Budget (\$ 12,000.00); to cover insurance, retirement, social security, etc.		\$ 840.00
15% of Entire Budget (\$ 17,600.00); to cover participation in indirect costs		\$ 2,640.00
TOTAL		\$ 21,080.00

\*\*\*

Checks should be payable to the [REDACTED] B

January 22, 1960

cc [REDACTED] c

[REDACTED] c

\* Effective July 1, 1960

109-29

PROPOSED BUDGET FOR RESEARCH PROJECT  
SUPPORTED

BY THE [REDACTED]  
AT THE [REDACTED]  
(July 1, 1961 through June 30, 1962) B

Project Title: The Synthesis and Biochemical Evaluation of Potential Psychopharm-  
cological Agents.

Principal Investigator: [REDACTED] C Ph.D., Professor and Head of the Department  
of Pharmaceutical and Medicinal Chemistry, College of  
Pharmacy.\*

Personnel -		
Principal Investigator		\$ 3,000.00
Associates, Assistants and Consultants		\$ 9,000.00
Supplies and Materials		\$ 5,000.00
Travel		\$ 600.00
SUBTOTAL		\$ 17,600.00
7% of Personnel Budget (\$ 12,000.00); to cover insurance, retirement, social security, etc.		\$ 840.00
1% of Entire Budget (\$ 17,600.00); to cover participation in indirect costs		\$ 2,640.00
TOTAL		\$ 21,080.00

\*\*\*

Checks should be payable to the [REDACTED] B

January 22, 1960

cc [REDACTED] C

[REDACTED] C

\* Effective July 1, 1960

PROPOSED BUDGET FOR RESEARCH PROJECT  
SUPPORTED

109-29

BY THE [REDACTED]  
AT THE [REDACTED]  
(July 1, 1960 through June 30, 1961) B

Project Title: The Synthesis and Biochemical Evaluation of Potential Psychopharmacological Agents.

Principal Investigator: [REDACTED] M.D., Professor and Head of the Department of Pharmaceutical and Medicinal Chemistry, College of Pharmacy.\* C

Personnel -	
Principal Investigator	\$ 3,000.00
Associates, Assistants and Consultants	\$ 9,000.00
Supplies and Materials	\$ 5,000.00
Travel	\$ 600.00
SUBTOTAL	\$ 17,600.00
7% of Personnel Budget (\$ 12,000.00); to cover insurance, retirement, social security, etc.	\$ 840.00
15% of Entire Budget (\$ 17,600.00); to cover participation in indirect costs	\$ 2,640.00
TOTAL	\$ 21,080.00

\*\*\*

Checks should be payable to the [REDACTED] B

January 22, 1960 [REDACTED]

cc [REDACTED] C

\* Effective July 1, 1960 (on leave of absence July 1, 1960 through June 30, 1961)

109-30

S E C R E T

EXPENSE CHECK LIST

WUREDA Subproject 109

Date of Original Authorization	Period Covered	Time Extended To	Amount Budget	Amount of Collection
29 Feb 1960	July 1, 1959 July 1, 61		2525-109-902	21,923.20

Additional Authorizations	Period Covered	Time Extended To	Amount Budget	Amount of Collection
2 Mar 61	1 yr		2125-1350-3122	25,013.00
15 June 62	1 yr		1425-1120-1122	21,000.00

Invoice Number	Date	Amount	Balance
Auth # 1			21,923.20
Invoice # 1	1 Aug 60	21,923.20	0
Auth # 2	13 Mar 61	25,013.00	0
Inv # 2	15 Nov 61	21,000.00	24,013.00
Inv # 3	1 Feb 62	112.00	24,125.00
Inv # 4	20 Dec 62	21,125.00	0

S E C R E T

109-31

ADDITIONAL COPIES OF THE  
PROPOSED BUDGET FOR 1961-62