

109-1

12000.00	
4890.44	
<u>600.00</u>	
17,490.44	
840.00	
<u>18330.44</u>	
2749.52	
<u>21080.00</u>	



~~SECRET~~

109-1

SCHEDULE FOR -- G FUND DISBURSEMENT

No. 109

~~SECRET~~

B

1 July 1960	\$5,270.00
1 October 1960	5,270.00
1 January 1961	5,270.00
1 April 1961	5,270.00

~~SECRET~~

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.

UNCLAS (When Filled In)

TSD/STF

DATE - VOUCHER NO. 2-12

# ACCOUNTING BY INDIVIDUAL FOR ADVANCE

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

PERIOD OF ACCOUNTING

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

**041108 JAN 19 1966**

NOTE: Follow Instructions on Reverse

1. CASH ON HAND BEGINNING OF PERIOD \$ 21,080.00 5. EXPENSES THIS PERIOD:

2. OUTSTANDING ADVANCES BEGINNING OF PERIOD

Expense - See attached certification \$ 21,080.00

3. RECEIPTS THIS PERIOD:

RECEIPT NUMBER DATE DESCRIPTION

0/2 Balance Acct 760.0  
#770185 - 000109

TOTAL EXPENSES \$ 21,080.00

4. TOTAL TO ACCOUNT FOR \$ 21,080.00

1 CERTIFY FUNDS ARE AVAILABLE

APPROVED

I certify that the expenditures listed hereon and on any attachments were incurred for official purposes of a confidential nature, that payment or credit therefor has not been received, and that this accounting is true and correct.

OBLIG. REF. NO. CHARGE FAN ACCOUNT NO.

SIGNATURE OF APPROVING OFFICER

947 3125-1390-3902

**SIDNEY DOTY, DC/TSO**

SIGNATURE OF AUTHORIZING OFFICER

SIGNATURE OF PAYEE

9/11/65

14 JAN 66

SPACE BELOW FOR EXCLUSIVE USE OF OFFICE OF FINANCE

DESCRIPTION	28-33 Y/A NO.	34-39 STATION CODE	40-41 E P C	42-47 OBLIG. REF. NO.	48-50 PAY OR PER. C	51-54 GENERAL LEGER ACCT. NO.	55-66 COST - FAN ACCOUNT SYMBOL	67-70 OBJECT CLASS	71-80 AMOUNT
ADVANCE ACCOUNTS 13-27	SPIP. DOC. NO.	REC. SPT. NO.	LINE NO.	ADVANCE NO.	LIG. CODE	EMP. NO.			
ENV 3: MOR: 947: W/O						199.0			2105000
ENV 3: MOR: 947: W/O						160.0			2109000
TOTALS									21,080.00

DATE PR [REDACTED]

REVIEWED BY

TOTALS

21,080.00

109-3

CERTIFICATION

This is to certify that I have received an accounting for MKULTRA Sub-project 109, Invoice 3, which reflects expenses in the amount of \$21,080.00. 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 [Redacted] TSD/DAS

SIDNEY GOTTLIEB  
DC/TSD

[Redacted]

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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,

CC: Dr. [REDACTED]

#109

109-4

BUDGET REPORT ON RESEARCH PROJECT  
SUPPORTED

BY THE [REDACTED]  
AT THE [REDACTED] B  
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

Item	Appropriation	Payments	Outstanding Encumbrances	Unencumbered Balance
Personnel: Associated, Assistants: Consultants	\$ 2,114.25	\$ 2,114.25	\$ -0-	\$ -0-
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	<u>\$ 18,182.44</u>	<u>\$ 18,182.44</u>	<u>\$ -0-</u>	<u>\$ -0-</u>
7% Personnel Budget: To Cover Ret.-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	<u>\$ 21,080.00</u>	<u>\$ 21,080.00</u>	<u>\$ -0-</u>	<u>\$ -0-</u>

243620 4609R The [REDACTED] B

[REDACTED] B  
[REDACTED] E



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

109-6  
109

[REDACTED]

[REDACTED]

B

E

October 15, 1964

Dr. [REDACTED]  
Director

C

[REDACTED]

Dear [REDACTED]

C

B

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]

Enclosures

cc - Dr. [REDACTED]

INVOICE #3 WILL  
NOT BE DUE UNTIL  
AUG. 1965

INTEROFFICE COMMUNICATION

109-6

Date February 26, 1963

From: Dr. [redacted]

To: Mr. [redacted]

CC: [redacted]  
(123.67)

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.
- 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.

Sincerely,

cc Dean [redacted]  
Dr. [redacted]

INTEROFFICE COMMUNICATION

EG451  
(AG367) 109-7

Date August 26, 1963

From: Dr. [redacted]

To: Mr. [redacted]

As a result of [redacted] conversation with Dr. [redacted] Monday  
of the [redacted] 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 19, 1963

Dr. [REDACTED] A

[REDACTED] B

Dear Dr. [REDACTED] A

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

Yours very truly,

[REDACTED]

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

B

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

<u>Item</u>	<u>Appropriation</u>	<u>Payments</u>	<u>Outstanding Encumbrances</u>	<u>Unencumbered Balances</u>
<b>Personnel:</b>				
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-
<b>Subtotal:</b>	<b>\$ 18,021.01</b>	<b>\$ 18,021.01</b>	<b>\$ -0-</b>	<b>\$ -0-</b>
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-
<b>Total</b>	<b>\$ 21,080.00</b>	<b>\$ 21,080.00</b>	<b>\$ -0-</b>	<b>\$ -0-</b>

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 1963

109-8

Budget Report on Research Project  
Supported

by the  
at the

December 1, 1961 to May 31, 1962

B

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

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

Date: May 31, 1962

C

<u>Item</u>	<u>Appropriation</u>	<u>Payments</u>	<u>Outstanding Encumbrances</u>	<u>Unencumbered Balance</u>
Personnel:				
Associates, Assistant & Consultants	\$ 7,500.00	\$ 499.98	\$ -0-	\$ 7,000.02
Supplies and Materials	3,890.44	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:	\$17,805.44	\$5,429.35	\$2,463.31	\$ 9,912.78
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	\$21,080.00	\$6,284.00	\$2,463.31	\$12,332.69

B

C

109-8

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>\$ 21,080.00</u>	<u>\$ 21,080.00</u>	<u>\$ -0-</u>	<u>\$ -0-</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 BB 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]

B C

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.

[Redacted]  
GPO  
Excluded from automatic  
downgrading and  
declassification

109-10

REVISED

Date 5 September 1963

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

Project Title Synthesis and evaluation of potential psychopharmacological compounds (formerly Vb) Item Classification Unclassified

Project Crypto MKULTRA Crypto Classification Unclassified

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

Contractor [REDACTED]

Contract No. MKULTRA # 109 Task No. [REDACTED] B 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 constitution 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 biologically active compounds and basic information of their characterization.

109-11

[Redacted]

B

[Redacted]

June 12, 1962

Dr. [Redacted]

A

B

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 received the submitted

en

[Redacted]

A

3/7/63

109-12

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	3,890.44	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>\$17,805.44</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 have reviewed the submitted [redacted]

A [redacted]

B [redacted]

C [redacted]

3/7/62

109-13

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  
in the amount of \$21,000.00, payable to [REDACTED] B  
drawn on [REDACTED] E

Name [REDACTED]

Date

Jan 3, 1963

REQUEST FOR ADVANCE OF FUNDS

NAME OF ADVANCEE: [REDACTED] DATE: 10 December 1962

PAYABLE TO: [REDACTED] ROOM: [REDACTED] BUILDING: [REDACTED] TELEPHONE EXT.: [REDACTED]

AMOUNT: \$43,200 (New) VOUCHER NO. (Finance use only): 329926 DEC 27 62

PURPOSE: See Attached Payment Inst. 21 Rentout 28A1

Advance to MILITRA 109 Inv. 3 for activity approved by AC/TSD on 4 December 1962. Accounting for this advance will be in accordance with Attachment A of MILITRA Fiscal Annex.

The check should be forwarded to TSD/R&D, through TSD/budget officer, no later than 26 December 1962.

STATUS OF OUTSTANDING ADVANCES

DATE	AMOUNT	UNACCOUNTED BALANCE	REPORTING POINT	FINANCE DIVISION - HEADQUARTERS	ON ARRIVAL AT DESTINATION ON OR ABOUT	DUE DATE

RECEIPT FOR FUNDS ADVANCED

I acknowledge receipt of funds in the amount stated hereunder to be used for the purpose stated and accounted for as shown above.

DATE: 10 Dec. '62

SIGNATURE: [REDACTED]

APPROVED SIGNATURE OF APPROVING OFFICER: [REDACTED]

DATE: [REDACTED]

SIGNATURE OF ADVANCEE: [REDACTED]

CERTIFIED FOR PAYMENT OR CREDIT: [REDACTED]

AUTHORIZED CERTIFYING OFFICER: [REDACTED]

CHARGE ALLOTMENT NO.: 3125-1390-3902

DATE: 9/7

SIGNATURE: [REDACTED]

SPACE BELOW FOR EXCLUSIVE USE OF FINANCE DIVISION

REVIEWED BY

DESCRIPTION - ADVANCE ACCOUNTS 13-27	29-33 P.O. NO.	34-39 STATION CODE	40-42 EXPEND CODE	43 FUND CODE	44 PAY PERIOD	45-46 U.L.I.O. CODE	47-52 UBLI.G. REF. NO.	53-57 GENERAL LEDGER ACCT. NO.	58-67 ALLOT.-OR.-COST ACCT. NO.	68-70 DUE DATE	71-80 AMOUNT
TOTALS											

(When Filled In)

109-13

947

No.

Cost Account 3125-1390-3902

Object Class

Date.	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance
15 DEC 1962	MKULTRA Sub-proj 109 Auth #3	21,080.00		21,080.00
	Increase for fee Invoice #3	843.20		21,923.20
18 DEC 1962			21,923.20	<u>21,923.20</u>

(When Filled In)



109-14

15 November 1962

109

Authorization # 3

109

\$21,080.00

3125-1390-3902

C [Redacted]

Original signed by

[Redacted]

Does not include 843.20

fee

F&D

NOV 30 1962

[Redacted]

A

Original signed by  
Glenn [Redacted]

4 DEC 1962

BB



109-14

15 November 1962

109

Authorization # 3

109

\$21,080.00 <sup>1849.20</sup>

3125-1390-3902

[Redacted block]

A

[Redacted block]

A

I CERTIFY THAT THIS IS THE  
OBLIGATION REFERENCE NO. 947  
CHECK TO ALLOWANCE NO. 3125-1390-3902

A

*John J. [Signature]*  
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

109-3.4

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.



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. [redacted]

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

[redacted]

A Chief  
BIOLOGICAL BRANCH

Attachment:  
Proposal & Budget

Distribution:  
Original only

[redacted]

[redacted]

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).

Page Two

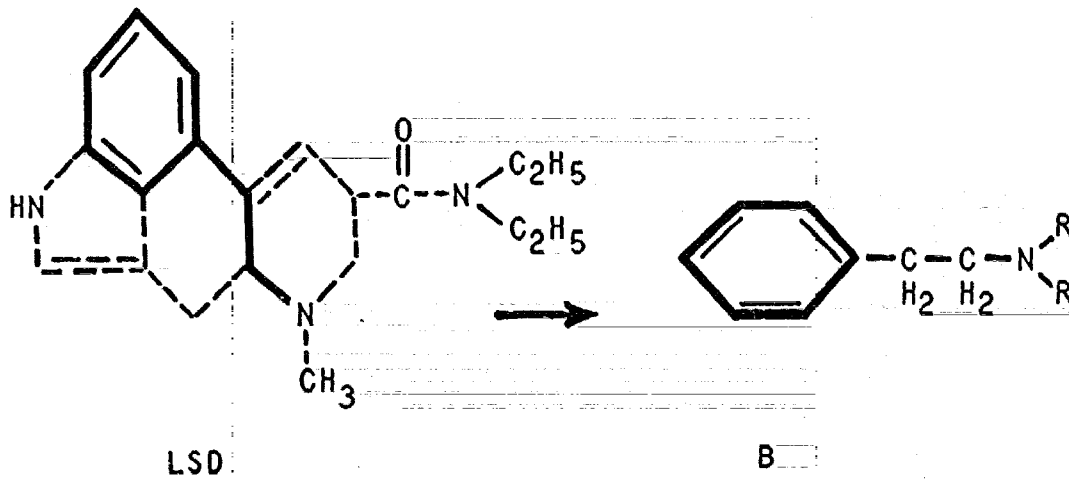
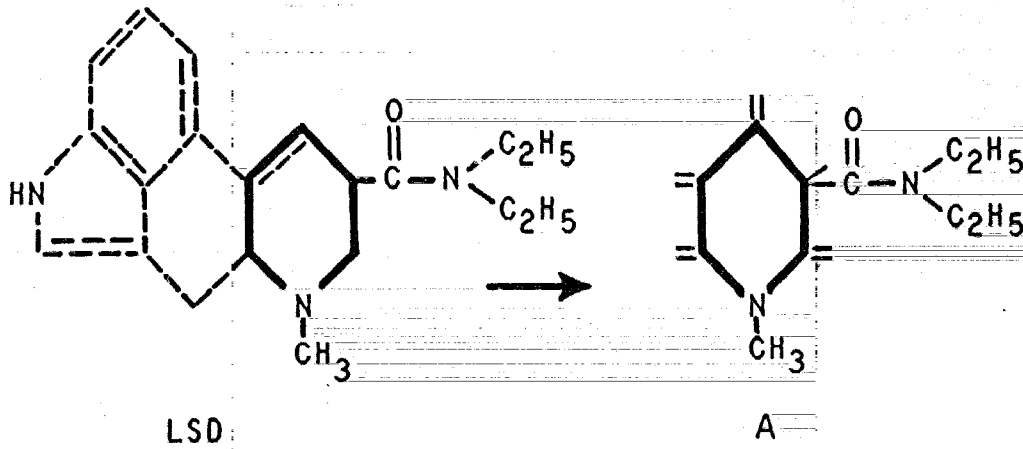


FIGURE I.



SUBSTITUTED ARYLALKYLAMINOPROPIONAMIDE ANALOGUES

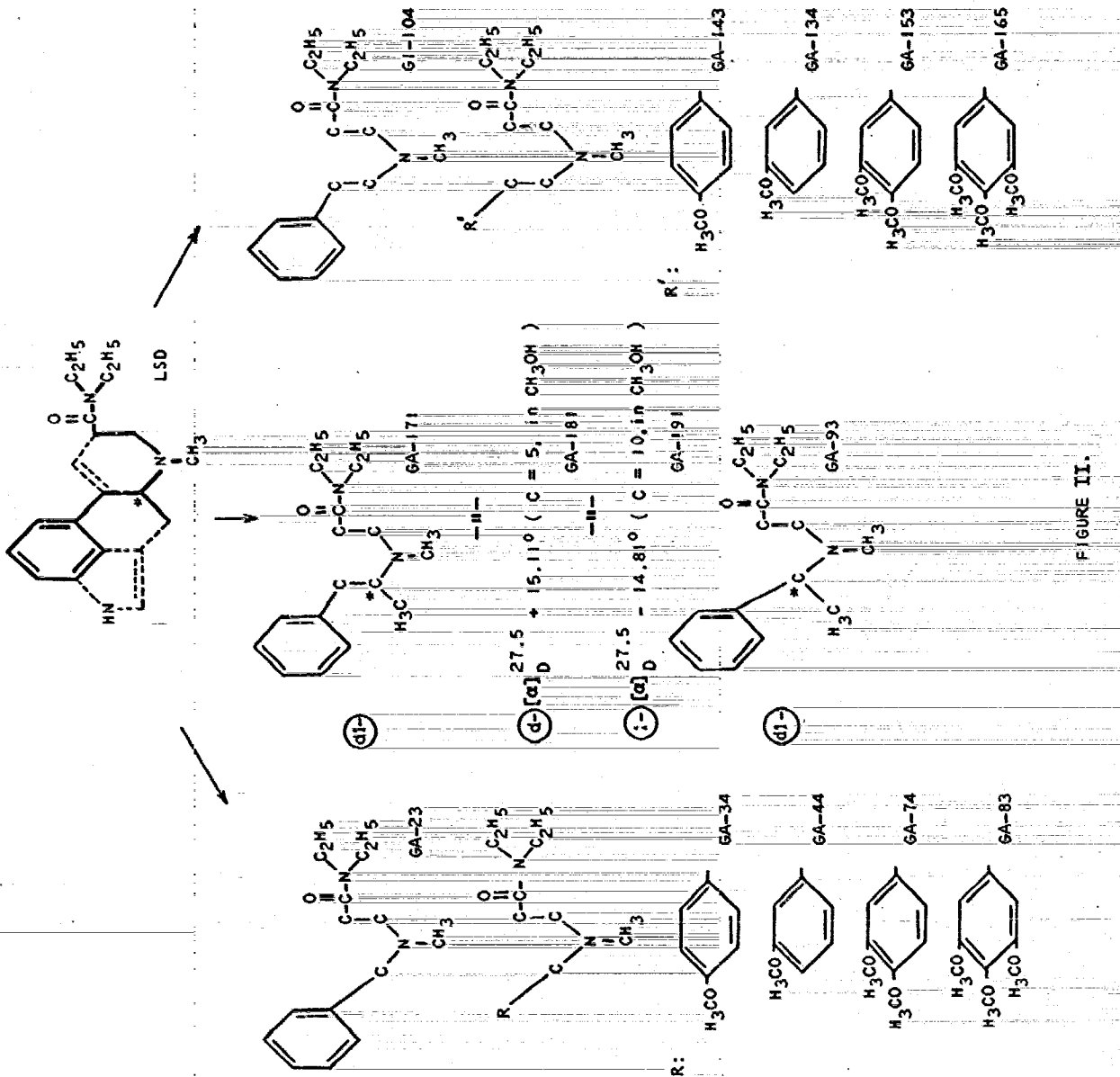


FIGURE II.

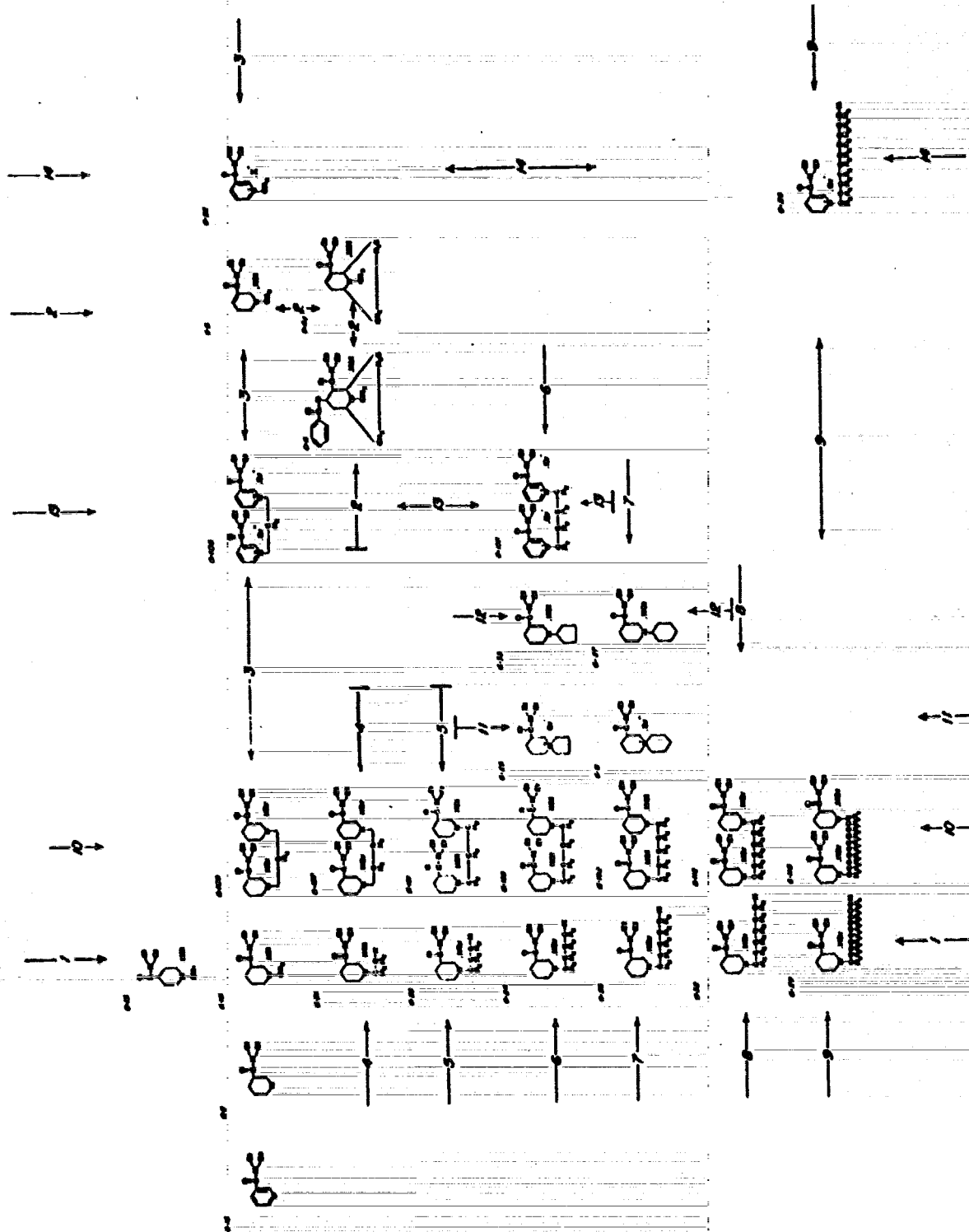


FIGURE III.

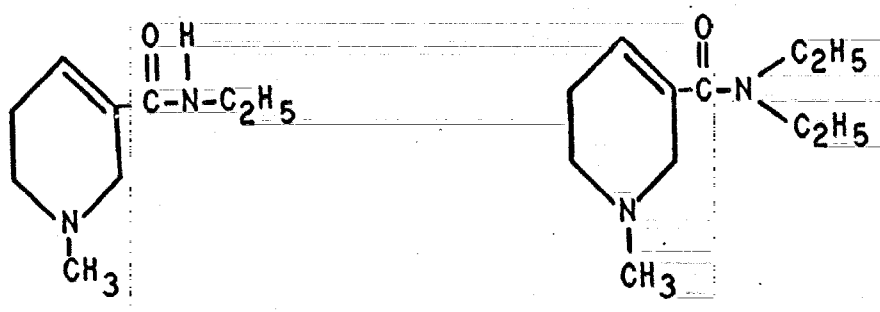
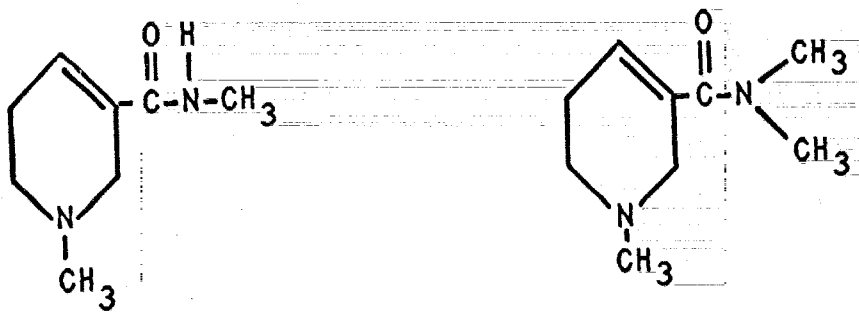


FIGURE IV.

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] December 1956,  
Third Report to the [redacted]
4. [redacted] Fourth Report to the [redacted]  
May 1957, [redacted]
5. [redacted] May 1958,  
Fifth Report to the [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.,  
48: 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

109-2

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 MOLESA Crypto Classification Unclassified

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

Contractor [Redacted]

Contract No. Subproject # 159 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  
MKU/TRA 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]



109-18

B

TO THE [REDACTED] CONSULTANTSHIP  
(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

109-18

PROPOSAL FOR ESTABLISHMENT OF FACILITIES FOR PSYCHOTOMIMETIC DRUG TESTING

First Year:

Survey of promising compounds

Literature review

Visits to sources, seminars

\_\_\_\_\_ 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.

March 9, 1962

109-19

Attention

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.

Yours very truly,

Enclosure

cc:

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	Outstanding Encumbrances	Unencumbered 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. I

I have examined and approved the submitted expenditures.

[redacted signature]

Chief TSS/Chemical Division A

[redacted signature] B

[redacted signature] C

Date: 3/25/62

107-20

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

[Redacted block] B

Attention: [Redacted] Director C

Dear Sir:

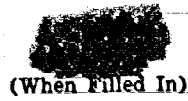
Enclosed is the cumulative annual expenditure report on your grant to Dr. [Redacted] This is for the period July 1, 1960, to November 30, 1961. C

Yours very truly,

[Redacted signature block] C

Enclosure C  
cc: [Redacted] Ph. D.

109-21



(When Filled In)

No. 844

Cost Account 2125-1390-3902

Object Class \_\_\_\_\_

Date	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance
8 NOV 1951	Sub 109	25,043.20	-	25,043.20
16 NOV 1951	Inc 12		25,043.20	-



(When Filled In)



109-21

Date: 3 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 2125-1397-3902.

A

[Redacted Signature]

Chief  
TSD/Research Branch

APPROVED FOR OBLIGATION  
OF FUNDS:

original signature  
[Redacted Signature]

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. 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 a [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

7704

5 Dec 1961

5 Dec 1961

6

A E

[redacted] 5 Dec 61

16 1961

2125-1390-3902

DEPARTMENT OF [redacted]

109-22

109

RECEIPT

Receipt is hereby acknowledged for the following two checks:

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

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

Name

Date

[redacted]

7 DEC 1961

109-22

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]

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  
11 Nov 1961

109-23

**INVOICE**

For Services

B

\$25,043.20

**CERTIFICATIONS**

(1) It is hereby certified that this is Invoice #1 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/RR, 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 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

Use:

109-29

D R A F T  
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

<sup>BB</sup> TSD/RB in carrying out its programs 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 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>21,090.50</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.

[redacted]

109-24

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:

6 NOV 1961

Attachment:

Proposal & Budget

Distribution:

Original only

[REDACTED]



109-24

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] C 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] C

October 2, 1961

[REDACTED] C

cc [REDACTED] C

109-21

CONSULTANTSHIP

B

TO THE [REDACTED]  
(December 1, 1961 through November 30, 1962)

C

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

\$ 3,000.00

\*\*\*

C

October 2, 1961

[REDACTED]


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 \$25,043.20 of the over-all Project MKULTRA funds have been obligated to cover the subproject's expenses and should be charged to cost center 2125-1390-3902.

A  


Chief  
TSD/Research Branch

APPROVED FOR OBLIGATION  
OF FUNDS:

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

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

Distribution:  
Original & 2 - Addressee

- 1 - TSD/FASS
- ✓ 2 - TSD/RB

~~SECRET~~

109-25  
File

E

[REDACTED]

B

[REDACTED]

January 4, 1961

[REDACTED]

B

ATTENTION: Dr. [REDACTED]

Dear Sir: \_\_\_\_\_

A

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

Sincerely yours, \_\_\_\_\_

[REDACTED]

C

Enclosure

109-25

BUDGET REPORT ON RESEARCH PROJECT SUPPORTED

BY THE [REDACTED] AT [REDACTED] (July 1, 1960 through June 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.

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
15% 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]

[REDACTED]

Adm. Asst. to the Vice-President

[REDACTED]

Date: 5/21/61

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 1960  
AUTHORIZING 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 AGENCY NO. 1731  
CHARGE TO ALLOTMENT NO. 0525-1009-4902  
[REDACTED]  
AUTHORIZING OFFICER

109-29

RECEIPT

Receipt is hereby acknowledged for the following two checks:

Treasurers Check No. <sup>E</sup> [redacted] dated August 11, 1960 in  
the amount of \$21,080.00, payable to [redacted] <sup>B</sup>  
[redacted], drawn on [redacted] <sup>E</sup>

Official Check No. <sup>E</sup> [redacted] dated August 11, 1960 in the  
amount of \$843.20, payable to [redacted] <sup>B</sup>  
[redacted], drawn on [redacted] <sup>E</sup>

Name [redacted] <sup>C</sup>

Date 15 Aug 60

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] B

Each check should be made payable to the [redacted]

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

\$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* [Redacted] 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/ [Redacted] (19 Feb 60)

109-29

DRAFT  
19 February 1960

MEMORANDUM FOR: THE RECORD

SUBJECT: MKULTRA, Subproject 109

of

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 \$24,080.00 to which must be added the four per cent fee to the [redacted] making the total amount \$25,243.20. 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]

[redacted]

[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

Date: 20 FEB 29 1963

[redacted]

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 Psychopharmacological 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
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

\* 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 Psychopharmacological 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
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]

\* Effective July 1, 1960

PROPOSED BUDGET FOR RESEARCH PROJECT

109-29

SUPPORTED

BY THE

AT THE

(July 1, 1960 through June 30, 1961)

B

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

Principal Investigator: [redacted] 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

January 22, 1960

cc

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

109-30

SECRET

INVOICE CHECK LIST

MINETA Subproject 109

Date of Original Authorization	Period Covered	Time Extended To	Allocation Number	Amount of Obligation
29 Feb. 1960	2 Jul 1960 to Jul 31 61		6525-1009-4902	\$ 21,923.20

Additional Authorizations	Period Covered	Time Extended To	Allocation Number	Amount of Obligation
2 Nov 61	1 yr		2125-1390-3902	\$ 25,043.00
15 Dec 62	1 yr		2125-1390-3902	\$ 21,050.00

Invoice Number	Date	Amount	Balance
Auth. # 1			\$ 21,923.20
Invoice # 1	1 Aug 60	21,923.20	0
Auth. # 2 Invoice # 1	13 Nov 61	25,043.00	0
Inv # 2	15 Nov 62	21,050.00	21,050.00
Inv # 3	15 Nov 62	21,050.00	21,123.20
Inv # 4	15 Nov 62	21,923.20	0

SECRET

109-31

ADDITIONAL COPIES OF THE  
PROPOSED BUDGET FOR 1961-62