

64-55

961

MKULTRA  
Sub-Project 46

Description	Date	Obligations	Expenditures	Balance		
Subproject 46	Nov 21	1500000		1500000		
Services #1	Jan 1		1182532	317468		
1975	19 SEP 1955		*317468	-		
Revenue 2	2303334					
	71734					
	317468	F455				
	2077600	F456				

46-2

1177  
321

- 46 -

6-3503-10-001

RECEIPTS

DATE	REMARKS AND REFERENCES	COMMITMENTS FORWARDED	COMMITMENTS LIQUIDATED	UNLIQUIDATED BALANCE
11 AUG 1955	Memo	20,776.00		20,776.00
19 SEP 1955	Invoice #2 (23,950.61)		20,776.00	-
20 DEC 1955	Authorization #3	35,464.00		35,464.00
5 JAN 1956	Invoice #3		17,132.00	17,132.00
8 MAR 1956	Invoice #4		17,132.00	-
<i>[Large handwritten signature]</i>				

## INVOICE

① 31 MAR. 55 "FOR SERVICES" \$ 11,825.32 Pd.  
 checks: \$ 458.66 TO [REDACTED] } w/Receipts  
11,366.66

② 16 Sept 55 "FOR SERVICES" \$ 23,950.68  
 checks: \$ 23,039.34 } w/Receipts  
 27 Sept. \$ 917.34 }  
 (also signed for \$ 30,971.22)

③ 24 Jan 56  
 checks: \$ 17,022.72 } w/Receipts \$ 17,732.00  
 \$ 709.28 }

④ 1 MAR 56 17,732.00  
 checks: \$ 17,077.28 } w/Receipts \$ 17,732.00  
 \$ 654.72 }

⑤ 13 Dec 56 { \$ 29,816.66 } w/Receipts \$ 31,010.53  
 checks. { \$ 1,193.37 }

⑥ 21 June 57 { \$ 2,837.13 } w/Receipts \$ 62,110.47  
 checks: { 39,815.56 }  
 { 19,907.78 }

~~46-3~~

⑦ 21 Aug 59 48,505.60

checks: 46,640.00 } w/ receipts  
1,865.60 }

⑧ 31 MAR 60 15,600.00

checks: 13,512.50 } w/ receipts  
600.00 }

Refund: 1,487.50

⑨ 25 Aug 60 7,800.00

checks: 7,500.00 } w/ receipts  
300.00 }

10. 14 Nov 61

checks: 20,000.00 } w/ receipts † 20,800.00  
800.00 }

285,016.60  
28  
257,066.60

46-4

### AUTHORIZATIONS.

24 MAR 1955	15,000. <sup>00</sup>
9 Aug '55	20,776.00
19 DEC '55	35,464.00
5 DEC '56	93,121.60
22 Aug '58	48,505.60
#6 Supplement	15,600.00
#7 "	7,800.00
#8 "	20,800.00

46-5

21 Mar 1955

15,000.00

9 Aug 55

20,776.00

5 Dec 56

93,121.60

22 Aug 58

48,505.60

15 Mar 60

15,600.00

31 Mar 60

1,487.50

3 Aug 60

7,800.00

24 Oct 61

20,800.00

---

205,090.70

46-6

(When Filled In)

**ACCOUNTING BY INDIVIDUAL FOR ADVANCE**

**RECEIPTS**

SUBMITTED BY **MKULTRA, Subject #46** VOUCHER NO. (Finance use only)

---

PERIOD OF ACCOUNTING

FROM **1 October 1960** TO **30 September 1962**

---

NOTE: Follow Instructions on Reverse

1. CASH ON HAND BEGINNING OF PERIOD	\$ 35,000	3. VOUCHER NUMBER	DATE	DESCRIPTION	AMOUNT
				See Attached Certifications	
				INV. 8 MOR 1909	7,500
				INV. 9 MOR 256	7,500
				INV. 10 MOR 842	20,000
				TOTAL EXPENSES	\$ 35,000
				TOTAL ACCOUNTED FOR	\$ 35,000

32. \_\_\_\_\_  
 4. REFUNDED HEREWITH CASH CHECK MONEY ORDER  
 5. CASH ON HAND END OF PERIOD

---

I CERTIFY FUNDS ARE AVAILABLE

OBLIGATION REFERENCE NO. CHARGE ALLOTMENT NO.  
**1909, 256 M125-1390-3902**  
**2125-1390-3902**

DATE **25 JUN 1964** SIGNATURE OF AUTHORIZING OFFICER \_\_\_\_\_  
 DATE \_\_\_\_\_ SIGNATURE OF PAYMENT OR CREDIT OFFICER \_\_\_\_\_  
**23 JUN 1964** SIGNATURE OF CERTIFYING OFFICER \_\_\_\_\_  
**SIDNEY GOTTLIEB, DC/TSD**

---

SPACE BELOW FOR EXCLUSIVE USE OF FINANCE DIVISION

34-39 STATION CODE	40-42 EXPEN. CODE	43 FUND	44-46 PAY PER. LIG. CODE	47-52 OBLIG. REF. NO.	53-57 GENERAL LEDGER YR ACCT. NO.	58-67 ALLOT. OR COST ACCT. NO.	68-70 DUE DATE	71-80 AMOUNT
								TOTALS

46-7  
-17-

[Redacted] B

OFFICE OF THE  
CONTROLLER

January 22, 1964

[Redacted] B

Gentlemen:

We wish to submit a Final Financial Report for Research Supported  
by the [Redacted]

Total Funds Received \$282,290.00

Expenses:	
Salaries	\$183,294.10
Contingency	795.62
Equipment	23,675.32
Travel	4,992.87
Other	2,707.65
Chemical, Drugs & Gases	9,644.88
Glassware	2,675.48
Animals	3,059.50
Mis. Lab Supplies	16,856.63
Staff Benefits	4,637.95
Overhead	24,980.00
<b>Total</b>	<b><u>\$282,290.00</u></b>

We hope that you can give favorable consideration to this report.

Yours truly,

B [Redacted]

Research Accountant

B  
C  
Copy to Dr [Redacted]

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

A [Redacted] Date: June 1964

\$7500. over recovery action being taken



46-8

June 18, 1964

[Redacted]

Dear Mr. [Redacted]

Referring to your letter of May 26, we find on review of our files a letter from Professor [Redacted] written on June 15, 1960, specifically requesting a grant of \$15,000 for the period of April through September of 1960, and for support at an annual rate of \$20,000 thereafter. Again, in a letter dated October 31, 1961, Professor [Redacted] requested \$8,000 for support of Professor [Redacted] work for the period October 1961 to October 1962. In the same letter he explained that he would use the remainder of the grant for that year to support Drs [Redacted] of his laboratory. In a letter of October 5, 1961, Professor [Redacted] requested a personal grant of \$10,000 for the period of his sabbatical year. The latter grant was never approved by the [Redacted]

It would appear from these facts that while the [Redacted] has, perhaps, been somewhat informal in its administrative practice, the case in point, namely: the May 1962 payment of \$7500 to the University of [Redacted] was, in fact, unique in that there is no formal request in the files of the [Redacted] to support the specific grant and it must, therefore, be considered an inadvertent overpayment by the [Redacted]

We would appreciate any further consideration you may be able to give this matter.

Very truly yours,

[Redacted Signature]



B

46-9

May 26, 1964

OFFICE OF THE  
CONTROLLER



B

Dear Dr. [Redacted]

Q

This letter is in response to your letter to me of May 6, 1964. In accordance with your request to recheck our records for possible overpayment of \$7,500.00 we submit the following data:

Remittances received compared to approved budgets:

Grant Year Ending	Budget	Amount Received	Date
9-30-54	\$ 28,050.00	\$ 7,012.50	11-53
		7,012.50	4-54
		7,012.50	5-54
		7,012.50	9-54
	28,050.00 ✓	28,050.00 ✓	
9-30-55	34,400.00	17,200.00	5-55
		17,200.00	9-55
		34,400.00 ✓	34,400.00 ✓
9-30-56	34,100.00	17,050.00	1-56
		8,525.00	5-56
		8,525.00	8-56
		34,100.00 ✓	34,100.00 ✓
9-30-57	40,700.00	10,175.00	1-57
		10,175.00	3-57
		10,175.00	7-57
		10,175.00	12-57
		40,700.00	40,700.00
9-30-58	48,400.00	20,350.00	7-58
		28,050.00	10-59
		48,400.00	48,400.00
9-30-59	46,640.00	23,320.00	3-59
		23,320.00	10-59
		46,640.00 ✓	46,640.00 ✓

89,100

- 2 -

6/15/60 + 5/1/61 From [redacted] apply to these

Grant Year Ending	Budget	Amount Received	Date
9-30-60	15,000	\$ 15,000.00	5-60
		7,500.00	Spec 12-60
		22,500.00	
9-30-61	\$ 20,000.00	7,500.00	5-62
	20,000.00	7,500.00	
9-30-62	-	20,000.00	6-62
		20,000.00	
Total Remittances		\$ 282,290.00	

46-9

The budget requests after September 30, 1959 were made informally by telephone. Additional requests to reduce deficits, over and above the budget, were likewise granted on the basis of telephone conversations. It is a request of this nature, that we feel the \$7,500.00 received during May, 1962, to be.

On January 22, 1964, we submitted to you a report of expenditures which shows that research expenses of \$282,290.00 were paid from [redacted] Grants. Actually, there was a small deficit in this account, which the University absorbed. This is not shown on the report. A photo copy of the report is attached.

Dr. [redacted] has reviewed his records and searched his memory to determine the sequence of transactions and he concurs that the above is about as precise a determination as we can make at this time. He has in his possession a memorandum of a telephone conversation with your office in which he records the request for the \$7,500.00 in question.

It is unfortunate that we did not continue a complete exchange of written requests and identify the period of research to which your support applied. Such documents would have been of inestimable value in answering your inquiry. It is our sincere belief however, that the \$7,500.00 check received during May, 1962, was not a duplicate payment and was your response to an informal request, for additional funds. If you feel that the matter deserves more attention, or that we have not made a satisfactory explanation of our accountability, please do not hesitate to inquire further.

Very truly yours,

[redacted signature]  
Controller

46-10

APPROVED		ADVANCE			BALANCE
DATE	AMOUNT	INVOICE	DATE	AMOUNT	
SUBPROJECT 17:					
10-28-53	28,050 ✓				
		1	10-26-53	935000	
		2	3-19-54	1870000 ✓	-
SUBPROJECT 46:					
3-24-55	34,400 ✓				
		1	4-1-55	1136666	
		2	9-16-55	2303334 ✓	-
12-19-55	34,100 ✓				
		3	1-3-56	1702272	
		4	3-1-56	1707728 ✓	-
12-7-56	89,540				
		5	12-13-56	2981666 } 1/	
		6	6-21-57	5972334 } 1/	-
8-25-58	46,640 ✓				
		7	8-21-59	4664000 ✓	-
3-25-60	15,000				
		8	3-31-60	REF 148750 1351250 ✓	-
8-9-60	7,500				
		9	8-25-60	750000 ✓	-
11-6-61	20,000 ✓				
		10	11-14-61	2000000 ✓ 2/	-
TOTAL	275,230			27523000	

1/ actually passed \$89,100.00  
 2/ passed \$7,500.00 during May 1962, apparently on basis of telephone request. No approval on file.

46-11

Project: [REDACTED] MKULTRA 46 [REDACTED]

Date Initiated: 24 March 1955

Date Expires:

Funds - current year: \$23,400.00

Purpose: To study the metabolic fate and distribution of psychotropic drugs in order to elucidate their mode of action.

Status: This is a continuing project. Current work is on tetrahydrocannabinol into which radioactive carbon is introduced. Further work is awaiting the arrival of an appropriate post-doctoral student.

[REDACTED]

46-12

DATE	Comments	APPROVED		ADVANCE		NO. OF
		U.P.	FEE	U.P.	FEE	
28 Oct 53	From Supervisor 17	28050. <sup>00</sup>		28050. <sup>00</sup>		
22 Mar 55	Project #46	34400. <sup>00</sup>	1376. <sup>00</sup>			
1 Apr 55	Payments.			11366. <sup>00</sup>	458. <sup>00</sup>	1
16 Sept 55	Payments.			23033. <sup>31</sup>	917. <sup>31</sup>	2
15 Dec 55	Fund Obligation	34100. <sup>00</sup>	1364. <sup>00</sup>			
3 Jan 56	Payment			17022. <sup>72</sup>	709. <sup>28</sup>	3
1 Mar 56	Payment			17077. <sup>28</sup>	654. <sup>72</sup>	4
5 Dec 56	Funds (2yrs.)	89540. <sup>00</sup>	3581. <sup>00</sup>			
11 Jan 57	Payment			29816. <sup>00</sup>	1193. <sup>87</sup>	5
21 June 57	Payment.			39915. <sup>50</sup> 19907. <sup>18</sup>	2387. <sup>13</sup>	6
22 Aug 58	Funds (2yrs.)	46640. <sup>00</sup>	1865. <sup>00</sup>			
10 Sept 59	Payment			46640. <sup>00</sup>	1865. <sup>00</sup>	
15 Mar 60	Funds.	15000. <sup>00</sup>	600. <sup>00</sup>			
27 Apr 60	Payment check. Fund #22			13512. <sup>00</sup> 1487. <sup>00</sup>	600. <sup>00</sup>	
3 Aug 60	Funds.	7500. <sup>00</sup>	300. <sup>00</sup>			
		255230. <sup>00</sup>	9087. <sup>20</sup>	246920. <sup>00</sup>	8726. <sup>00</sup>	
				27500		

46-13

Sub project - #6

	Date of Disbursement	San #	Advance	Fee	Total	Check #	Amount
1	3 Nov 53	1	9550.00	374.10	9924.10	44	7012.32
2	31 Nov 54	2	10000.00	248.82	10248.82	119	7012.50
3			28050.00	1152.00	29202.00	127	7012.50
4						124	7012.50
5							28050.00
6							
7							
8							
9							
10							
11	11 April 55	1	11366.66	451.66	11818.32	124	17200.00
12	16 May 55	2	23033.34	917.34	23950.68	144	17200.00
13	3 June 55	3	17033.72	711.98	17745.70	171	17000.00
14	30 June 55	4	17077.28	651.72	17729.00	157	17000.00
15	18 July 55	5	29716.66	1192.87	30909.53	200	17000.00
16	21 June 57	6	39155.27	2397.13	41552.40	204	10175.00
17		7	18991.78			222	10175.00
18		8	46140.00	1748.66	47888.66	277	10175.00
19	21 June 57	9	13572.50	649.00	14221.50	252	10175.00
20	27 June 60	10	7500.00	3000.00	10500.00	300	10175.00
21	25 June 60						20850.00
22	4 July 61		30000.00	800.00	30800.00	313	33320.00
23			251671.50	9772.10	261443.60	322	20850.00
24						323	20850.00
25						324	20850.00
26						325	20850.00
27						326	20850.00
28						327	20850.00
29						328	20850.00
30						329	20850.00
31						330	20850.00

46-14

DATE	Comments.	APPROVED		ADVANCED	
		U. P.	FEE.	U. P.	FEE.
25 Aug 60	Payment			7500. <sup>00</sup>	300. <sup>00</sup>
24 Aug 61	funds	20000. <sup>00</sup>	800. <sup>00</sup>		
14 Nov 61	Payment			20000. <sup>00</sup>	800. <sup>00</sup>
		<u>275230.<sup>00</sup></u>	<u>9887.<sup>20</sup></u>	<u>274420.<sup>00</sup></u>	<u>9886.<sup>60</sup></u>
				275230. <sup>00</sup>	
	TOTAL APPROVED:	# 285,172.00			
	TOTAL PAID OUT:	# 274,306.60			
	DIFFERENCE:	\$ 810.60			
	4% of 274,420.00 =	\$ 10,976.80			
	4% of 246,370.00 =	9,854.80			
	(274K - 28,050)				



46-15

[REDACTED]

B

June 15, 1960

[REDACTED]

B

Dear Dr. [REDACTED]

Enclosed please find a brief report of our activities in the first six months of this fiscal year. In addition [REDACTED] thesis has been sent to you presenting in detail some of the pharmacological properties of certain tetrahydrocannabinols.

B

B

We have two applications pending for grants-in-aid from the [REDACTED]. If these two grants are activated and if the support of the [REDACTED] continues after October 1960 in the range of \$15,000 to \$20,000 per year, we can continue our present level of research and in addition undertake the metabolic study of a radioactive tetrahydrocannabinol as planned. In the meantime we need approximately \$15,000 for our current work in the second six months of the fiscal year (April through September 1960). I hope you will find it possible to continue your generous support to this extent.

Are you planning to visit us in the next few months? I am sure you would be pleased at the research activity you are sponsoring.

Yours truly,

[REDACTED]

B

B

Department of Pharmacology

[REDACTED]

Enc.

~~SECRET~~

46-15

FINAL

Date 28 October 1963

Branch BB Category NEW MATERIALS & CONCEPTS ( X )

Project Title N.A. Item Classification N.A.

Project Crypto MKULTRA Crypto Classification Unclassified

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

Contractor Dr. [REDACTED]

Contract No. MKULTRA 46 Task No. N.A.

Type of Contract MKULTRA Date Initiated 6 November 1961

Cost \$20,000.00 FY 62 Completion Date 5 November 1962

Purpose: Elucidation of the site and mechanism of action of LSD using isotope and tagged molecules, establishment of methods for isolating LSD and its metabolites from Biological materials and their identification.

Status: Terminated

Requirement: Internally generated based on need to obtain fundamental information and elucidation of the mechanism of action of a chemical compound used in selected operational situations.

~~SECRET~~



D

94

46-16

RECEIPT

Receipt is hereby acknowledged of the following checks:

Treasurer's Check [redacted] dated November 29, 1961,  
in the amount of \$20,000.00, drawn on the [redacted] payable  
to the [redacted]

Cashier's Check [redacted], dated November 29, 1961,  
in the amount of \$800.00, drawn on the [redacted] payable to the [redacted]

A

[redacted]

Date: 4 Dec 1961

46-17  
26 April 1960.

Dear Dr. [REDACTED]

[REDACTED] is forward-  
ing herewith a check for \$15,000.00 to provide additional support  
for your research program during the present grant year.

It is believed that the fundamental information obtained  
from your research will be of inestimable value. Your studies  
on the distribution and metabolic fate of selected compounds  
having significant central nervous system activity will provide  
information required for more productive research leading to  
improved compounds.

A summary accounting for the period from 1 October 1959  
to 30 April 1960 will be appreciated at your earliest convenience.

4618

**SECRET**

14 November 1961

MEMORANDUM FOR: Chief, Finance Division

VIA : TSD/Budget Officer

SUBJECT : MKULTRA, Subproject 46, Invoice No. 10,  
Allotment No. 2125-1390-3902.

1. Invoice No. 10 in the amount of \$20,800.00 covering the above subproject is attached. Payment should be made as follows:

Cashier's check in the amount of \$20,000.00, drawn on a [redacted] bank.

Cashier's check in the amount of \$800.00, drawn on a [redacted] bank.

The checks 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 signature]

Chief  
TSD/Research Branch

Attachments:  
Invoice & Certifications

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

15 NOV 1961  
I CERTIFY THAT THE OBLIGATION ENTERED ON THIS CHECK IS VALID  
CHIEF TO ASST

RECEIVED

11/30/61

30 NOV 1961

DEPARTMENT OF [redacted]

A

46-18

INVOICE

For Services

\$20,800.00



CERTIFICATIONS

(1) It is hereby certified that this is Invoice #10 applying to Sub-project No. 46 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: 14 November 1961

(2) It is hereby certified that this invoice applies to Subproject 46 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: \_\_\_\_\_



(When Filled In)

476-19

No. 842

Cost Account 2125-1890-3902

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

Date	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance
NOV 1961	Sub 46 Auth 8	20,800.00	-	20,800.00
15 NOV 1961	Doc #10		20,800.00	-

(When Filled In)

46-20

Date: 24 October 1961

MEMORANDUM FOR: THE COMPTROLLER

ATTENTION : Finance Division

SUBJECT : MQLTRA, Subproject 46

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 46 has been approved, and \$20,800.00 of the over-all Project MQLTRA funds have been obligated to cover the subproject's expenses and should be charged to cost center 2125-1393-3902.

A

[Redacted signature]

Chief  
TSD/Research Branch

APPROVED FOR OBLIGATION OF FUNDS:

[Redacted signature]

A

Research Director

Date: 6 NOV 1961

Distribution:  
Original & 2 - Addressee  
1 - TSD/FASS  
2 - TSD/RB

~~SECRET~~



~~TOP SECRET~~

46-20



46-20

DRAFT  
24 October 1961

MEMORANDUM FOR: THE RECORD

SUBJECT : Supplement to Project MKULTRA, Subproject 46

1. The purpose of this supplement is to provide additional funds for the support of a research program being carried out by [REDACTED] and associates at the University of [REDACTED] College of Medicine and provide for professional and related services by Dr. [REDACTED] on specific problems of pharmacological and toxicological interest to TSD. The program provides fundamental information and elucidates the mechanism of action of certain psychotropic drugs. Particular emphasis has been centered on the structure activity relationships among a class of compounds of immediate interest to TSD/CB. The scope of the program includes studies on the distribution and metabolic fate of selected compounds having significant central nervous system activity. Studies also will be conducted on the pharmacological aspects of drug tolerance and addiction together with an examination of the metabolism of drugs acting in the central nervous system. It is expected that results obtained will provide information required for development of more effective compounds.

[REDACTED]

[REDACTED]

46-20

2. The additional funds required for this program for the year amount to \$20,000.00. To this sum must be added \$800.00 representing a four per cent service charge to the [REDACTED], who act as cut out, making the total amount \$20,800.00. Charges should be made against Allotment 2125-1390-3902.

3. [REDACTED] has requested that the investigator submit to them a summary accounting on an annual basis of all monies received from [REDACTED]. Also, it has been requested that any unexpended funds be returned at the close of the grant year.

4. The requirement for a six months informal accounting on the part of the principal investigator is waived.

5. It is not anticipated that any permanent equipment will be required for this program.

6. It has been mutually agreed that travel expenses which are reimbursable by the University from project funds will be accounted for in a manner consistent with the accepted policy of the University.

7. Dr. [REDACTED] possesses Agency TOP SECRET approval.

A

46-20



A

~~TOP SECRET~~

- 3 -

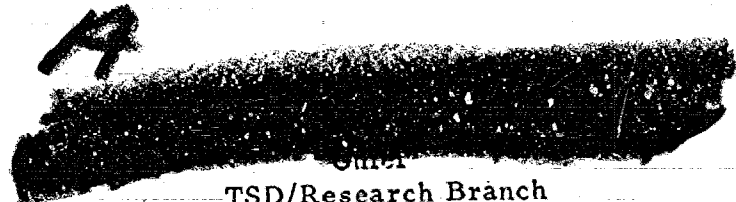
The project is unclassified after it leaves the



B



B



A

Chief  
TSD/Research Branch

APPROVED FOR OBLIGATION  
OF FUNDS:



A

Research Director

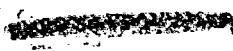
Date:

6 Nov  
1961

Distribution:  
Original only.



A



46-21

RECEIPT

Receipt is hereby acknowledged of the following checks:

Cashier's Check <sup>E</sup> [redacted], dated September 12, 1960, <sup>E</sup>  
in the amount of \$7,500.00, drawn on [redacted]  
<sup>E</sup> [redacted] payable to [redacted] <sup>B</sup>

Cashier's Check <sup>E</sup> [redacted], dated September 12, 1960, <sup>B</sup>  
in the amount of \$300.00, drawn on [redacted]  
<sup>B</sup> [redacted] payable to [redacted] <sup>B</sup>

<sup>A</sup> [redacted]

Date: 15 Sept 60

46-82

~~SECRET~~

25 August 1960

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA : TSD/Budget Officer

SUBJECT : MKULTRA, Subproject 46, Invoice No. 9  
Allotment 1525-1009-1902

1. Invoice No. 9 in the amount of \$7,800.00 covering the above subproject is attached. Payment should be made as follows:

Cashier's check in the amount of \$7,500.00, drawn on a [redacted] bank.

Cashier's check in the amount of \$300.00, drawn on a [redacted] bank.

The checks should be made payable to [redacted]

2. Please forward the checks to Chief, TSD/Research Branch through TSD/Budget Officer by 9 September 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.

CHECK RECEIVED THE AMOUNT OF \$7,500.00

[redacted signature] A

[redacted signature] A  
Chief  
TSD/Research Branch

Attachments:  
Invoice & Certifications

Distribution:  
Orig. & 2 - Addressee

- 1 - TSD/FASS
- 2 - TSD/CB

TSD/CB [redacted signature] A

I CERTIFY THAT FUNDS ARE AVAILABLE: 30 AUG 1960  
OBLIGATION REFERENCE No. 256  
CHARGE TO ALLOTMENT No. 1125-1009-1902

AUTHORIZING OFFICER

CHECK RECEIVED THE AMOUNT OF \$300.00

[redacted signature] A

46-82

**INVOICE**

For services

\$7,800.00

**B** [REDACTED]

**CERTIFICATIONS**

(1) It is hereby certified that this is Invoice No. 9 applying to Subproject 46 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 46 of MKULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

30 AUG 1960

[REDACTED] **A**  
Research Director

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

[REDACTED]







**SECRET**

46-25

3 August 1960

MEMORANDUM FOR: COMPTROLLER

ATTENTION : Finance Division

SUBJECT : MKULTRA, Subproject 46, Additional  
Authorization No. 7

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 46 has been approved and \$7,800.00 of the over-all Project MKULTRA funds have been obligated to cover the subproject's expenses and should be charged to Allotment 1525-1009-1902.

  
Chief  
TSD/Research Branch

APPROVED FOR OBLIGATION  
OF FUNDS:

  
Research Director  
9 AUG 1960

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

Distribution:

Orig. & 2 - Addressee

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

I CERTIFY THAT FUNDS ARE AVAILABLE  
OBLIGATION REFERENCE No. 293  
CHARGE TO ALLOTMENT No. \_\_\_\_\_  
AUTHORIZING OFFICER \_\_\_\_\_

TOP SECRET

46-26

DRAFT  
3 August 1960

MEMORANDUM FOR: THE RECORD

SUBJECT : Supplement to Project MKULTRA, Subproject 46.

1. The purpose of this supplement is to provide additional funds for the support of an expanded research program being carried out by Dr. [REDACTED] at the University [REDACTED] College of Medicine. Acquisition of a difficult to obtain intermediate of a psychotropic drug of Agency interest makes possible the introduction of a radio labeled group which will permit a significant study on its metabolic fate. The results obtained will provide information basic to an understanding of its pharmacological effect.

2. The additional funds required for this expansion of the program during the remainder of the year amounts to \$7,500.00. To this sum must be added \$300.00 representing a 4% service charge to [REDACTED] B who act as cut out, making the total amount \$7,800.00. Charges should be made against Allotment 1525-1009-1902.

3. [REDACTED] B has requested that the investigator submit to them a summary accounting on an annual basis of all monies received from [REDACTED] B. Any unexpended funds will be returned by the grantee at the close of the grant year.

[REDACTED] A

[REDACTED]

4. The requirement for a six (6) month informal accounting on the part of the principal investigator is waived.

5. It is not anticipated that any permanent equipment will be required for this program.

6. It has been mutually agreed that travel expenses which are reimbursable by the University from the project funds will be accounted for in a manner consistent with the accepted policy of the University.

7. Dr. [redacted] possesses Agency Top Secret approval. The project is unclassified after it leaves [redacted]

B

A

*John Little*  
[redacted]

Chief  
TSD/Research Branch

APPROVED FOR OBLIGATION OF FUNDS:

[redacted]

A

Research Director

Date: 8/9/60

Distribution:  
Original only

A

[redacted]




[redacted]

46-27

RECEIPT

Receipt is hereby acknowledged of the following two checks:

Treasurer's Check  dated April 22, 1960, drawn  
on  in the  
amount of \$1,512.50, payable to 

Cashier's Check  dated April 22, 1960, drawn  
on  in the  
amount of \$600.00, payable to 

Date: 2/14/60

4628

31 March 1960

**MEMORANDUM FOR: CHIEF, FINANCE DIVISION**

**VIA** : TSD/Budget Officer

**SUBJECT** : MKULTRA, Subproject 46, Invoice #8,  
Allotment 0525-1009-4902

1. Invoice #8 in the amount of \$15,600.00 covering the above subproject is attached. However, due to refunds of \$1,487.50 from other projects (as per attachments) payment should be made as follows:

Cashier's check in the amount of \$13,512.50, drawn on a [redacted] bank.

Cashier's check in the amount of \$600.00, drawn on a [redacted] bank.

The checks should be made payable to the [redacted]

2. Please forward the checks to Chief, TSD/Chemical Branch through TSD/Budget Officer by 14 April 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.

CHECK RECEIVED IN THE AMOUNT OF \$13,512.50  
26 APR 1960

[redacted signature]  
Chief  
TSD/Chemical Branch

Attachments:  
Invoice & Certifications

Distributions:  
Orig & 2 - Addressee  
1 - TSD/FASS  
2 - TSD/CB

I CERTIFY THAT FUNDS ARE AVAILABLE  
OBLIGATION REFERENCE NO. 1802  
CHARGE TO ALLOTMENT NO. 0525-1009-4902

CHECK RECEIVED IN THE AMOUNT OF \$600.00  
26 APR 1960

TSD/CB/ [redacted signature]

[redacted signature]

(When Filled In)

### CONFIDENTIAL FUNDS POSTING VOUCHER

VOUCHER NO. 7-12		DATE 2-6										VOUCHER NO. 7-12	
DESCRIPTION - ALL OTHER ACCOUNTS 13-33 ADVANCE ACCOUNTS 13-27	28-33 P.O. NO.	24-39 STATION CODE	40-42 EXPEND CODE	43 FUND	45-46 PAY PER. LIO. CODE	47-52 OBLIG. REF. NO.	53 CA YR ACCT. NO.	54-57 GENERAL LEDGER ACCT. NO.	58-67 ALLOT. OR COST ACCT. NO.		68-70 DUE DATE	71-80 AMOUNT	
									62-67 X REF. NO.	62-67 OBJECT CLASS			DEBIT
Sub. Proj. 22-1008			880 5			001109		6010	251009	4902	179	15600.00	
Sub. Proj. 22-1008			880 5			001109		6010	251009	4902	179	1987.50	
Sub. Proj. 22-1008												13572.50	
Sub. Proj. 22-1008												1600.00	
TOTALS												15600.00	15600.00

See attached

CERTIFIED FOR PAYMENT OR CREDIT.

DATE: 20 April 68  
 SIGNATURE: [Redacted]

(10-49)

FORM 10-59 606 USE PREVIOUS EDITIONS.

20-9/7

10

A

**INVOICE**

For Services

\$15,600.00

**B**

**CERTIFICATIONS**

(1) It is hereby certified that this is Invoice # 8 applying to Subproject 46 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/CB, that this bill is just and correct and that payment thereof has not yet been made.

\_\_\_\_\_  
Chief, TSD/Chemical Branch

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

(2) It is hereby certified that this invoice applies to Subproject 46 of MKULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

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

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



~~SECRET~~

46-28

**CERTIFICATION**

(3) It is hereby certified that under subproject 22 at the close of FY 1960 a balance of \$1,487.50 representing unused funds remained in Subproject 22 which is still continuing. Therefore it is requested that \$1,487.50 of Invoice No. 8 be credited subproject 46 as a return of unused funds FY 0525-1009-4902, MOR 1909. ✓

~~SECRET~~

~~SECRET~~

46-29

No. 1909

Cost Account 0535-1009-4912

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

Date	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance
28 MAR 1960	Modification Sub 46 with #6	15,600.00		15,600.00
15 APR 1960	Sub 46 Dis #8		14,112.50	1,487.50
	adjust above	1,487.50		<hr/>
	<u>Fig:</u>			

~~SECRET~~

46-30

15 March 1960

**MEMORANDUM FOR: COMPTROLLER**  
**ATTENTION : Finance Division**  
**SUBJECT : MKULTRA, Subproject 46, Additional Authorization No. 6**

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 46 has been approved and \$15,600.00 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 Signature]  
 Chief  
 TSD/Chemical Branch

**APPROVED FOR OBLIGATION OF FUNDS:**

[Redacted Signature] A

Research Director

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

Distribution:  
 Orig & 2 - Addressee

- 1 - TSD/OC
- 1 - TSD/FASS
- 2 - TSD/CB

I CERTIFY THAT FUNDS ARE AVAILABLE;  
 OBLIGATION REFERENCE NO. 1109  
 CHARGE TO ALLOTMENT IS: 0525-1009-4902

28 MAR 1960

AUTHORIZING OFFICER

46-30

DRAFT  
15 March 1960

MEMORANDUM FOR: THE RECORD

SUBJECT : Supplement to Project MKULTRA, Subproject 46

1. The purpose of this supplement is to provide additional funds for the support of a research program being carried out by Dr. [redacted] and associates at the University of [redacted] College of Medicine. The program provides fundamental information and elucidates the mechanism of action of certain psychotropic drugs. Particular emphasis has been centered on the structure activity relationships among a class of compounds of immediate interest to TSD/CB. The scope of the program includes studies on the distribution and metabolic fate of selected compounds having significant central nervous system activity. It is expected that results obtained will provide information required for productive research into the pharmacodynamics of more effective compounds.

2. The additional funds required for this program for the year amount to \$15,000.00. To this sum must be added \$600.00 representing a four per cent service charge to [redacted] who act as cut out, making the total amount \$15,600.00. Charges should be made against Allotment 0525-1009-4902.

3. [redacted] has requested that the investigator submit to them a summary accounting on an annual basis of all monies received from [redacted]. Also, it has been requested that any unexpended funds [redacted]

[Redacted]

A

[Redacted]

O

46-30

be returned at the close of the grant year.

4. The requirement for a six months informal accounting on the part of the principal investigator is waived.

5. It is not anticipated that any permanent equipment will be required for this program.

6. It has been mutually agreed that travel expenses which are reimbursable by the University from project funds will be accounted for in a manner consistent with the accepted policy of the University.

7. Dr. [Redacted] possesses Agency TOP SECRET approval. The project is unclassified after it leaves [Redacted]

B [Redacted]

[Redacted] B

A [Redacted]

Chief  
TSD/Chemical Branch

APPROVED FOR OBLIGATION  
OF FUNDS:

[Redacted]

A

3/25/60

Research Director

Date:

Distribution:  
Original only.

[Redacted]

A

[Redacted]

46-31

27 January 1960

MEMORANDUM FOR: THE RECORD

SUBJECT : Action on MKULTRA Audit Exceptions -- TSS/CD

SP#46

Financial statement for the grant from [REDACTED] for expenditures from 9/53 to 3/58 has been approved. Certification of the principal investigator will be obtained when the grantee is visited by TSS/CD personnel to discuss research progress and future programming. Summary accounting for funds received through 9/30/59 has been approved and certified by principal investigator.

A [REDACTED]

Chief  
TSS/Chemical Division

[REDACTED]

46-32

The following is a breakdown of expenses on Grants [redacted] and [redacted] for the 58-59 year:

	<u>GA 140</u>	<u>GA 142</u>	<u>TOTAL</u>
<b>Salaries</b>			
[redacted]	\$ 542.70		
[redacted]	6,925.41		
[redacted]	4,422.25		
[redacted]	2,921.78		
[redacted]	4,283.22		
[redacted]	4,003.79		
		5,053.33	
		1,600.00	
		350.00	
		116.52	
<b>Total Salaries</b>	<b>\$23,099.15</b>	<b>\$7,119.85</b>	<b>\$ 30,219.00</b>
Equipment	4,039.07	33.00	4,072.07
Travel	21.23	81.31	102.54
Contingencies	-0-	-0-	-0-
Consumable supplies	3,870.08	1,672.04	5,542.12
Overhead 10%	3,102.95	890.62	3,993.57
<b>Total Expenses 58-59</b>	<b>34,132.48</b>	<b>9,796.82</b>	<b>43,929.30</b>
Cash received from inception thru 9/30/59			\$180,920.00
Cash due from [redacted] thru 9/30/59			51,370.00
<b>Total Budgeted Income</b>			<b>232,290.00</b>
<b>Total Expenses from inception thru 9/30/59</b>			<b>222,776.51</b>
<b>Balance Available 10/1/59</b>			<b>\$ 9,513.49</b>

I have examined and approved the submitted expenditures.

A [redacted signature] C

TES/Chemical Division

10 Oct 1959

46-33

RECEIPT

Receipt is hereby acknowledged of the following two checks:

Treasurer's Check [redacted] dated 3 September 1959, drawn on [redacted] in the amount of \$48,640.00, payable to [redacted] B

Official Check [redacted] dated 3 September 1959, drawn on [redacted] the amount of \$1,865.60, payable to [redacted]

[redacted]

DATE 10 Sept 59





46-35

22 August 1958


MEMORANDUM FOR: COMPTROLLER

ATTENTION : Finance Division

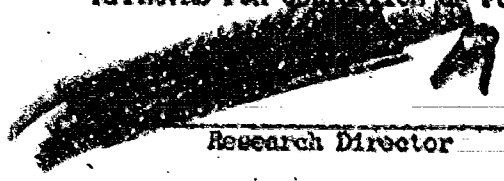
SUBJECT : MOUTRA Subproject 46, Authorization No. 5

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 46 was previously approved. Under the same authority an additional sum of \$48,505.60 has been authorized to cover the subproject's expenses. This expenditure should be charged against Allotment 9-2502-15-902.

A

  
TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

  
Research Director

I CERTIFY THAT FUNDS ARE AVAILABLE:  
 AUTHORITY: 442  
 QUANTITY: 9-2502-15-902

Date: 20 <sup>Aug</sup> 1958

\_\_\_\_\_  
APPROVING OFFICER

- Distribution:
- Orig & 2 - Addressee
  - 1 - TSS/CC
  - 1 - TSS/FASB
  - 1 - TSS/SRB
  - 2 - TSS/CD





46-37

21 August 1959

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA : TSS/Budget Officer

SUBJECT : MKULTRA, Subproject 46, Invoice No. 7  
Allotment 9-2502-75-902

1. Invoice No. 7 covering the above subproject is attached.  
Payment should be made as follows:

Cashier's check in the amount of \$46,640.00,  
drawn on a [redacted] bank.

Cashier's check in the amount of \$1,865.60,  
drawn on a [redacted] bank.

The checks should be made payable to [redacted]

2. Please forward the check to Chief, TSS/Chemical Division,  
through TSS Budget Officer, no later than 3 September 1959.

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.

Attachment:  
Invoice & Certifications

[redacted]  
Chief  
TSS/Chemical Division  
CHECK IN THE AMOUNT OF \$46,640.00  
RECEIVED

Distribution:  
Orig & 2 - Addressee

[redacted]  
CHECK IN THE AMOUNT OF \$1,865.60  
RECEIVED

12735

[redacted]

46-37

**INVOICE**

For services

\$48,505.60

**B** [REDACTED]

**CERTIFICATIONS**

(1) It is hereby certified that this is Invoice No. 7 applying to Subproject 46 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 TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSS/Chemical Division

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

(2) It is hereby certified that this invoice applies to Subproject 46 of MKULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

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

[REDACTED]

46-38

FINANCIAL STATEMENT FOR THE  
GRANT FROM [REDACTED] B

<u>Category</u>	<u>Expenditures 9/53-3/58</u>
Salaries	76,487.15
Equipment	15,412.74
Materials and Supplies	16,422.25
Travel	2,273.31
Overhead	16,877.00
Contingencies	750.00
Chemical Studies (Dr. [REDACTED])	30,616.66
Total	158,839.11
Approved Budget (to 9/58)	185,650.00
Balance	26,810.89 <i>3/58 to 9/58</i>

PERSONNEL INVOLVED IN [REDACTED] R  
PROPOSED 1958-1959


	<u>Remuneration</u>
Dr. [REDACTED]	None
Dr. [REDACTED]	\$6500 + 1000 from U of R
Dr. [REDACTED]	6500 + 1000 from U of R
Dr. [REDACTED] (consulting)	None
Dr. [REDACTED] (part time)	400
Mr. [REDACTED]	4800
Mrs. [REDACTED]	3300
Dr. [REDACTED] approved the submitted	None
Dr. [REDACTED]	4350


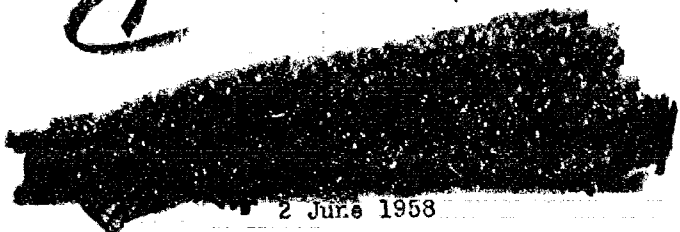
A [REDACTED]  
Acting Chief  
[REDACTED]

Date: 15 July 58

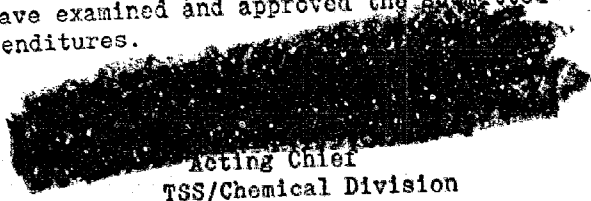
4638

PROPOSED ANNUAL BUDGETS  
FOR NEXT TWO YEARS, 9/58-9/60

<u>Category</u>	<u>Proposed Expenses</u>
Salaries	23,500.00
Equipment	3,000.00
Materials and Supplies	7,000.00
Travel	900.00
Overhead (10%)	4,240.00
Contingencies	2,000.00
Chemical Studies (Dr.  )	6,000.00
Total	46,640.00

  
  
 2 June 1958

I have examined and approved the submitted expenditures.

  
 Acting Chief  
 TSS/Chemical Division

Date: 15 Sept '58

A

RECEIPT

46-39

Receipt is hereby acknowledged of the following three checks:

Official Check <sup>E</sup> [redacted] dated July 10, 1957, drawn on the [redacted] in the amount of \$2,387.13, payable to [redacted]

Cashier's Check <sup>E</sup> [redacted] dated July 1, 1957, drawn on the [redacted] in the amount of \$9,901.46, payable to [redacted]

Official Check <sup>E</sup> [redacted] dated July 3, 1957, drawn on the [redacted] in the amount of \$39,815.56, payable to [redacted]

A

Date: 14 July 1957

2. 337.13  
14. 907.25  
39. 815.56  
110.94



23 Dec 57

46-40

B

PERSONNEL INVOLVED IN




		<u>Remuneration</u>
Dr.	[REDACTED]	None
Dr.	[REDACTED]	\$7000
Dr.	[REDACTED]	6400
Dr.	[REDACTED] (consulting)	800
Dr.	[REDACTED] (part time)	400
Mr.	[REDACTED]	4500
Mrs.	[REDACTED]	3100
Dr.	[REDACTED]	None
Dr.	[REDACTED]	4350

23 Dec 57

B

46-41

FINANCIAL STATEMENT FOR THE GRANT FROM 

<u>Category</u>	<u>Expenditures 9/53-9/57</u>
Salaries	66,606.37
Equipment	12,274.97
Supplies and services	14,672.83
Contingencies	750.00
Travel	2,273.31
Overhead	16,877.00
Chemical Studies (Dr.  )	26,920.97
Total	140,375.45
Approved budget (to 9/58)	185,650.00
Balance	45,274.55

I have examined and approved the submitted expenditures.

A 

Acting Chief  
TSS/Chemical Division

Date:

19 Feb 1960

C 

46-42

21 June 1957

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA: [redacted] TSS/Budget Officer

SUBJECT: [redacted] MKULTRA Subproject 46, Invoice 6,  
Allotment 7-2502-10-001

1. Invoice No. 6 is attached covering the above subproject.  
Payment should be made as follows:

EE

Cashier's check in the amount of \$2,387.13, drawn on a [redacted] bank,

Cashier's check in the amount of \$39,815.56, drawn on a [redacted] bank,

Cashier's check in the amount of \$19,907.78, drawn on a [redacted] bank.

All three checks should be made payable to the [redacted]

2. Please forward the checks to Chief, TSS/Chemical Division through TSS/Budget Officer by Friday, 5 July 1957.

3. This is a final invoice. A total of \$93,121.60 was obligated under this subproject during FY 57. However since it is anticipated that additional funds will be obligated for this project, the files should not be closed.

[redacted signature]  
Acting Chief  
TSS/Chemical Division

Attachments:  
Invoice & Certifications

Distribution:  
Orig & 2 - Addressee  
1 - Comptroller

Dr. 827 001236 600.1 2502-10-001 17.9 # 62,110.47  
Cr. Cash # 62,110.47

[redacted] 6/22/57 CERTIFIED FOR PAYMENT OR CREDIT  
6/28/57 [redacted] OFFICER

SI June 1954

46-42

A

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA:

[REDACTED]

E  
-A  
-C

OVER PRINT

A

INVOICE

For services

\$62,110.47

CERTIFICATIONS

(1) It is hereby certified that this is Invoice No. 6 applying to MKULTRA Subproject 46, that performance is satisfactory, that the services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Acting Chief, TSS/Chemical Division

Date:

(2) It is hereby certified that this invoice applies to MKULTRA Subproject 46, which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953, from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

Date:

46-42

NO.

1236

- 46 -

7-2502-10-001

RECEIPT

DATE	REMARKS AND REFERENCES	DEBIT ACCOUNTS	CREDIT ACCOUNTS	AMOUNT
10 DEC 1955	Authorization #4			93,121.60
14 DEC 1955	Invoice #5		31,010.53	62,111.07
17 JUN 1957	Invoice #6	3357.13 39815.54 19,807.78	62,110.47	5.60
27 JUN 1957	adjust sub #46		(.60)	

~~Vig~~  
27 JUN 1957

RECEIPT

46-43

Receipt is hereby acknowledged of the following two checks:

Cashier's check [redacted] dated December 19, 1956, drawn on the [redacted] in the amount of \$29,816.00;

and

Treasurer's check [redacted] dated December 26, 1956, drawn on the [redacted] in the amount of \$1,193.00.

Both checks are made payable to [redacted]

A

[redacted]

Date:

11 January 1957

101.50

46-44

13 December 1956

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA: TSS/Budget Officer

SUBJECT: MKULTRA Subproject 46, Invoice 5  
Allotment 7-2502-10-001

1. Invoice No. 5 is attached covering the above subproject.  
Payment should be made as follows:

Cashier's check in the amount of \$29,815.66, drawn on a  
[redacted] bank,

Cashier's check in the amount of \$1,193.87, drawn on a  
[redacted] bank.

Both checks should be made payable to [redacted]

2. The checks should be forwarded to Chief, TSS/Chemical  
Division, through TSS/Budget Officer, no later than Monday,  
31 December 1956. Other invoices will follow.

SIDNEY GOTTLIEB  
Chief  
TSS/Chemical Division

Attachments:  
Invoice and Certifications

Distribution:  
Orig & 2 - Addressee  
1 - Comptroller

CHECK RECEIVED FOR THE AMOUNT OF \$1,193.87

1 CERTIFIED TRUE COPY OF THE ABOVE  
CHECK RECEIVED FOR THE AMOUNT OF \$29,815.66  
1236  
7-2502-10-001

CHECK RECEIVED FOR THE AMOUNT OF \$29,815.66

5-1601



INVOICE

46-44

For services

\$31,010.53

CERTIFICATIONS

(1) It is hereby certified that this is Invoice 5 applying to MKULTRA Subproject 46, that performance is satisfactory, that the services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSS/Chemical Division

Date:

(2) It is hereby certified that this invoice applies to MKULTRA Subproject 46, which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953, from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

Date:

46-45

DRAFT  
HWB/vaj

22 August 1958

MEMORANDUM FOR: THE RECORD

SUBJECT : Project MKULTRA, Subproject 46

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B  
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1. The purpose of this project is to provide funds for the partial support of the research program being carried out by Professor [redacted] and associates at the University of [redacted] College of Medicine. Additional support for the program [redacted] currently being provided by [redacted] and the University of [redacted] the budget for 1958 through 1960 (including only that portion covered by Agency funds) is attached. The attached report indicates the details of the program to be carried out and also shows current status of the work.

2. As is indicated in the attached Report, this program which is aimed at the elucidation of the mechanism of action of LSD-25 has met with considerable success. Many of the facts and relationships developed in the preliminary work on methods and techniques have materially advanced other projects being carried out by TSS/CD. Actually, the successful completion of this project would remove several of the most obstinate "road-blocks" in the continued development of the psychochemical field, namely: (1) a specific antidote for LSD-25, (2) a sensitive method for assaying LSD-25 in blood and urine, (3) a sensitive qualitative laboratory screening system for psychochemicals, (4) an idea of the relationship between chemical structure and biological activity in this type of material, and (5) the relationship between LSD-25 and other materials of a similar nature which are now available.

H

3. The investigator's request for a two-year grant is reasonable in the opinion of TSS/CD. We have previously conducted this program of basic research on a two-year basis. It should be noted that the present budget for the coming two years is approximately [redacted] of that previously required. This does not represent any decrease in the total effort in the program. It has been accomplished by the addition of funds from other sources. By careful selection of the sources of additional funds TSS/CD has been able to maintain the same control over the goals of the project as it possessed when it was the sole support.

B

4. [redacted] will serve as cutout for the transfer of funds to the investigator. The

[redacted]

A

[redacted]

46-45

estimated cost of the work is \$46,640.00 for a period of two years. To this must be added four percent service charge for [redacted] amounting to \$1,865.60. Therefore, the total cost of this program for two years will not exceed \$48,505.60.

5. The University of [redacted] shall retain title to any permanent equipment in lieu of higher overhead rates.

6. [redacted] requested that the investigator submit to it a summary accounting for all monies received under its grants and that all unexpended funds remaining at the end of the project be returned to the Fund.

7. It has been mutually agreed that travel expenses which are reimbursable by the University from project funds will be accounted for in a manner consistent with the accepted policy of the University.

8. Professor [redacted] has been cleared to Top Secret by the Agency and is the only witting individual [redacted] The project is unclassified after it leaves the [redacted]

Chief  
TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

[redacted] A  
Research Director

Date: 25 AUG 1953

Attachment:  
Proposal

Distribution:  
Original only

[redacted] A

46-46  
DRAFT

5 December 1956

MEMORANDUM FOR: THE RECORD

SUBJECT: Project MKULTRA, Subproject 46

1. The purpose of this project is to provide funds for the partial support of the research program being carried out by Prof. [REDACTED] and associates at the University of [REDACTED] College of Medicine. Additional support for the program is currently being provided by [REDACTED] and the University of [REDACTED]. The proposal covering the details of the program and the budgets for 1956-57 and 1957-58 (including only that portion covered by Agency funds) is attached.

2. As is indicated in the attached <sup>REPORT</sup> proposal, this program which is aimed at the elucidation of the mechanism of action of LSD-25 has met with considerable success. Many of the facts and relationships developed in the preliminary work on methods and techniques have materially advanced other projects being carried out by TSS/CD. Actually, the successful completion of this project would remove several of the most obstinate "road-blocks" in the continued development of the psychochemical field, namely: (1) a specific antidote for LSD-25, (2) a sensitive method for assaying LSD-25 in blood and urine, (3) a sensitive qualitative laboratory screening system for psychochemicals and (4) an idea of the relationship between chemical structure and biological activity in this type of material. (5) ---

3. The investigator's request for a two year grant is reasonable in the opinion of the writer. During the past year two very acceptable candidates for the post of enzymologist on this program have turned the job down because of the year-to-year basis of the program. It appears that it would not be feasible to achieve the same end by increasing the support from sources other than the [REDACTED] since the goals of the program would have to be altered considerably to make this possible.

4. [REDACTED], will serve as cutout for the transfer of funds to the investigator. The estimated cost of the work is \$89,540.00 for a period of two years.

\$ 46,640.00

4/6-46

To this must be added four percent service charge for the [redacted], amounting to \$3,581.60. Therefore, the total cost of this program for two years will not exceed ~~\$93,121.60~~ 48,505.60

5. The University of [redacted] shall retain title to any permanent equipment in lieu of higher overhead rates.


[redacted] has requested that the investigator submit to it a summary accounting for all monies received under its grants and that all unexpended funds remaining at the end of the project be returned to [redacted]

7. It has been mutually agreed that travel expenses which are reimbursable by the University from project funds will be accounted for in a manner consistent with the accepted policy of the University.

8. Prof [redacted] has been cleared to Top Secret by the Agency and is the only willing individual a [redacted]. The project is unclassified after it leaves the [redacted]

A [redacted]  
Chief, Branch II  
TSS/Chemical Division

Approved:

  
Sidney Gottlieb  
Chief  
TSS/Chemical Division

Attachment:  
Proposal

APPROVED FOR OBLIGATION OF FUNDS:

[redacted] A  
Research Director

Date: Dec 7, 1956

Distribution:  
Original only

[redacted] A

46-46

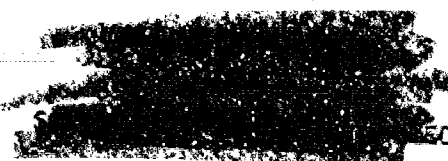
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d

Proposal for the Continued Study of the Metabolism  
of d-Lysergic Acid Diethylamid

It is proposed to continue the study of LSD-25 and related compounds in substantially the same areas of work as during the past year with alterations as required by the advances made. The program has now progressed to the point where practical plans for the work can be laid down based upon knowledge and experience gained in the past. Very briefly stated the present status of the work is as follows:

1. We have shown that side-chain carbon labelled LSD-25 remains intact during its passage through the animal and thus that it is an adequate tracer molecule.
2. We have completed organ and tissue distribution studies from the 10 minute to the 12 hour period with the available Carbon-labelled tracer.
3. We have found that two species of mammals other than rats show the same pattern of LSD-25 distribution after dose indicating that an extrapolation to man is probably feasible.
4. We have isolated and partially characterized the metabolites of LSD-25 excreted by the liver and we are in the process of producing amounts of these sufficient for further work.
5. We have developed a technique of measurement of cortical electrical potentials which allows us to study the effects of LSD-25 and various inhibiting materials directly in the central nervous system.
6. We have also developed a biological assay technique using a spinal reflex arc of the cat which is particularly amenable to inhibition and potentiation "analysis" studies with LSD-25 and related compounds.
7. We have investigated the known synthetic methods for the production of LSD-25 including biosynthesis from the point of view of the production of radio-carbon ring-labelled material. None of these so far has proved a feasible approach.



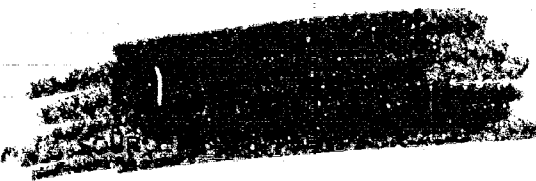
- 8. We have made considerable progress toward a new and completely different synthetic process for LSD-25 which if it proves successful will provide the ring-labelled LSD-25 that is needed for more definitive tracer studies.
- 9. We have completed an exhaustive study of tissue extraction techniques working toward a method which will allow the chemical isolation of LSD-25 from body fluids and tissues when it is present in the usual concentrations. The method at present under investigation shows good promise of achieving this goal as further refinements are introduced.

It is apparent from the above accomplishments that the major progress to date has had to do with developing the tools for pursuit of the main goal of this research program. It is also apparent that with a few additions to these methods, we are now in a position to make use of what we have learned so far to produce basic information about the sites and mode of action of LSD-25, how this action can be modified or reversed, how it might be accentuated, what other materials might produce comparable or complimentary effects, how such materials can be detected in the medico-legal sense, and possibly considerable basic information on the neurochemical basis for the stress reaction and other important responses of animals to their immediate environment.

It is the opinion of those familiar with the details of this project that the next two years work will provide many if not all of the desired data indicated above. As in every case of a program of this type, a number of unforeseen difficulties as well as some fortuitous discoveries will no doubt appear as the work progresses, however there is every reason to believe that the next two years will yield directly useful information at a rate far above that of the introductory period of the program.

In the past this research program has been carried out on a year-to-year basis. There were several reasons for this, chief among which was the fact that the feasibility of our general approach to the problem had not been completely established. Contributing factors were that varying amounts of support were available from sources other than [REDACTED], and that outside pressure on the project personnel to take positions in longer term projects elsewhere was not great enough to cause them to leave. All of these factors now appear to have changed in such a way as to make it

B



advisable to place the program on at least a two year basis as shown in the financial proposal. We have indicated in the foregoing resume of the work that the feasibility of our approach to the problem has been amply demonstrated. In addition, the University of [redacted] as assumed a long term obligation to this Department to provide new integrated working space for the program, more basic equipment and certain faculty status changes for those employed on the program. The obligation assumed by the University cannot be readily stated in financial terms since it involves many intangible advantages to the program. Finally, it is becoming impossible to retain competent personnel on the basis of one year appointments and so we find it almost mandatory that we obtain commitment for at least two years' support. We have in the past solicited as much outside support for the program as time would allow and we shall continue to do so in the future, however the basic framework of the program depends upon [redacted] support.

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As it is planned at present, the project personnel will remain the same for the next two years except for the addition of an enzymologist and one technician if they can be obtained. Professor [redacted] of the Chemistry Department has indicated his desire to maintain the synthetic chemical work and the various other consultants to the program will continue to serve. Due to the support of the [redacted], and the University of [redacted] the cost of new personnel can be absorbed without any major increase in the [redacted] grant.

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[redacted]  
University of [redacted]

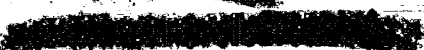
B

[redacted]



4647

BUDGET

	<u>1956-57</u>	<u>1957-58</u>
Salaries	22,000	29,000
Equipment	2,000	2,000
Materials and Supplies	5,000	7,500
Travel	500	900
Contingencies	500	---
Prof. 	<u>7,000</u>	<u>5,000</u>
	37,000	44,400
University O.H. @ 10%	<u>3,700</u>	<u>4,440</u>
	40,700	48,840
	<del>48,840</del>	
	89,540	

32  
10175  
40700



46-48

5 December 1956

MEMORANDUM FOR: COMPTROLLER

ATTENTION: Finance Division

SUBJECT: MKULTRA Subproject 48,  
Additional Authorization No. 4

1. 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 48 was previously approved. Under the same authority an additional sum of \$93,121.60 has been authorized to cover the subproject's expenses.

2. This expenditure should be charged against Allotment 7-2502-10-001.

SIDNEY GOTTLIEB  
Chief  
TSS/Chemical Division

APPROVED FOR OBLIGATION  
OF FUNDS:

[Redacted signature area] A

Research Director

Date:

Distribution:

Orig & 2 - Addressee

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

TSS/CD [Redacted] (5 December 1956)

I CERTIFY THAT FUNDS ARE AVAILABLE:

CERTIFY FUND NUMBER:

CHARGE TO ACCOUNT NO.:

1336  
7-2502-10-001

APPROVED BY:

10

CP

46-49

FISCAL YEAR 1957

44  
D  
CF  
46-50

MEMORANDUM OF AGREEMENT

The purpose of this Memorandum of Agreement is to set forth the mutual administrative responsibilities of the principal research investigator and the sponsor. Therefore, it is mutually agreed that,

A. The principal investigator shall submit to the sponsor, at six month intervals, an informal statement of expenditures of monies advanced for research activities. It is requested that the statement be submitted in essentially the following form:

Personal compensation (Salaries, Subject fees)  
Equipment  
Supplies and Services  
Contingencies  
Overhead

B. It is understood that any travel expenses incurred in the furtherance of the research program will be accounted to the University in a manner consistent with its established practices and policies.

C. The principal investigator shall submit to the sponsor semi-annual reports on the technical progress of the research covered by these funds.

  
Date: 21 March 1956

75-47  
46-81

RECEIPT

I hereby acknowledge receipt of the following two checks:

(B) Treasurer's Check [redacted] drawn on the [redacted] bank, payable to the amount of \$17,077.28, dated March 13, 1956.

(B) Cashier's Check [redacted] drawn on [redacted] bank, payable to the amount of \$54.72, dated March 13, 1956.

[redacted]  
FILE [redacted] (B)

[redacted]  
A Date: 70 March 56

46-52

1 March 1956

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA: TSS/Budget Officer

SUBJECT: MULTRA Subproject 46, Invoice 4  
Allotment 6-2502-10-001

1. Invoice 4 for the above subproject is attached. Payment should be made as follows:

Two cashier's checks, one for \$654.72, drawn on a bank and the second in the amount of \$17,077.28, drawn on a bank, both payable to

2. The above checks should be forwarded to Chief, TSS/Chemical Division, through TSS/Budget Officer, no later than 13 March 1956.

3. This is a final invoice. A total of \$35,464.00 was obligated under this subproject during FY 56. However, since it is anticipated that additional FY 56 funds will be obligated for this project, the files should not be closed.

CHECK [REDACTED] IN THE AMOUNT OF \$654.72  
RECEIVED. 16 MAR 1956

CHECK [REDACTED] IN THE AMOUNT OF \$17,077.28  
RECEIVED. 16 MAR 1956

Acting Chief  
TSS/Chemical Division

Attachments:  
Invoice - certifications

Distributions:  
Orig & 2 - Addressee  
1 - Comptroller

I CERTIFY THAT FUNDS ARE AVAILABLE:  
OBLIGATION REFERENCE NO. 1177  
CHANGE TO ALLOW INT IS 6-2502-10-001

AUTHORIZED OFFICER

Mr 886 - 603.1 - 2502-10-001 - 17.9 - 17,732.00  
to Com 17,732.00

AUTHORIZED OFFICER

58671

INVOICE

For Services

\$17,732.00

CERTIFICATIONS

(1) It is hereby certified that this is Invoice 4 applying to MKULTRA Subproject 46; that performance is satisfactory, that the services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Acting Chief, TSS/Chemical Division

DATE:

(2) It is hereby certified that this invoice applies to MKULTRA Subproject 46, which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953, from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

DATE:



Subproject 46



46-53

Jan 3, 1956 Invoice #1

\$35,464.00

17,732.00

17,732.00

17,732.00

0

1 March " ~~17,732~~ #4





46-54


FILE SUB 46

RECEIPT

I hereby acknowledge receipt of the following two checks:

Cashier's Check  <sup>E</sup>, dated January 12, 1956, in the amount of \$709.23.

Cashier's Check  <sup>E</sup>, dated January 12, 1956, in the amount of \$17,022.72.

Both checks are drawn on  <sup>B</sup>

 <sup>B</sup>, and are made payable to  <sup>B</sup>

Date: January 24, 1956

<sup>A</sup>

4655



3 January 1956

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA : TSS/Budget Officer

SUBJECT : MEULIRA Subproject 46, Invoice #1  
Allotment 6-2502-10-001

1. Invoice #1 is attached covering the above subproject. Other invoices will follow later. Payment should be made as follows:

Two cashier's checks, payable to  one check in the amount of \$109.28 and the other in the amount of \$17,022.72, both drawn on  bank.

2. Both checks should be forwarded to Chief, TSS/Chemical Division, through TSS/Budget Officer, no later than 13 January 1956.

SIDNEY GOTTLIEB  
Chief  
TSS/Chemical Division

Attachments:  
Invoice & Certifications

Distribution:  
Orig & 2 - Addressee  
1 - Comptroller  
1 - TSS/FASB  
1 - TSS/SRB  
2 - TSS/CD

1 CERTIFIED COPY OF THIS MEMORANDUM  
DATE 1/17/56  
CH-6 18 JAN 1956 6-2502-10-001

TSS/CD (3 January 1956)

CHECK IN THE AMOUNT OF \$109.28  
RECEIVED 18 JAN 1956

CHECK IN THE AMOUNT OF \$17,022.72  
RECEIVED 18 JAN 1956

A

46-55

INVOICE

For services

\$17,732.00

B

[REDACTED]

CERTIFICATIONS

(1) It is hereby certified that this is Invoice #2 applying to Subproject 46 of MKULTRA, that performance is satisfactory, that the services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSS/Chemical Division

ADMIN 122

JUN 2 4 20 PM '53

Date:

(2) It is hereby certified that this invoice applies to Subproject 46 of MKULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DOI to the DD/A, and the extension of this authority in subsequent memoranda.

A

[REDACTED]

Research Director

Date:

[REDACTED]

46-56

19 December 1955

MEMORANDUM FOR: COMPTROLLER  
 ATTENTION: Finance Division  
 SUBJECT: MULTRA Subproject 46, Additional Authorization No. 3

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 46 was previously approved. Under the same authority an additional sum of \$35,464.00 has been authorized to cover the subproject's expenses, (thereby bringing to a total of \$56,240.00 funds obligated during FY 56) to be charged to Allotment 6-2502-10-001.

SIDNEY COTTLIER  
 Chief  
 TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

**A**  
 [Redacted Signature]

Research Director

Date:

Distribution:  
 Orig & 2 - Addressee

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

I CERTIFY THAT FUNDS ARE AVAILABLE:  
 OBLIGATION REFERENCE NO. 1122  
 CHARGE TO ALLOTMENT NO. 6-2502-10-001  
 AUTHORIZING OFFICER

**A**

TSS/CD [Redacted] (19 December 1955)

**A**

[Redacted Signature]

46-57

DRAFT  
15 December 1955

MEMORANDUM FOR: THE RECORD

SUBJECT : Extension of MKULTRA, Subproject 46

1. The scope of this research program is intended to cover work to be done with LSD and related compounds by Professor [redacted] at [redacted] University for a period of one year starting 1 October 1955 to 30 September 1956. The project will be handled through [redacted] for cutout and cover purposes. The proposal from Professor [redacted] to [redacted]

2. The general objectives of this project are directed at the elucidation of the site and mechanism of action of LSD by use of isotopically tagged molecules, the establishment of adequate methods for isolating LSD and its metabolites from biological materials, and a method for identifying these compounds.

3. Professor [redacted] has available to him at [redacted] a highly competent group of scientists of international reputation encompassing the fields of physical and organic chemistry in addition to those of medicine and psychology. He plans to use these people as informal consultants in the work.

4. The costs of this program are estimated to be \$35,464.00 including \$3,100.00 for the ten percent University overhead charge and \$1,364.00 for a four percent service charge by [redacted]. Charges should be made against [redacted] allotment 6-2702-10-001.

5. This project will be completely unclassified after it leaves [redacted]

APPROVED FOR OBLIGATION OF FUNDS:

TSS/Chemical Division

APPROVED:

Research Director

Date: 19 Dec 1955

*[Signature]*  
Chief, TSS/Chemical Division

Attachment:  
Proposal

Distribution:  
Original Only

[redacted] A

46-57

Continued Study of the Metabolism of d-Lysergic Acid Diethylamid

1. Studies of the metabolism of d-lysergic acid diethylamid (LSD) are complicated by the fact that the effective doses are in microgram quantities. Tagging the molecule with radioactive or with stable isotopes therefore assumes an extraordinary importance since only by this means is there any likelihood of obtaining information in a relatively short time. The over-all plan will be to incorporate into the molecule suitable atoms to serve as tags and to administer it to experimental animals in whose tissues the tagged atoms can be identified after various time periods. By combining several methods of tagging, deductions can be made as to the fate of the intact molecule or certain fragments of it. This approach requires the coordinated work of a team representing experts from a number of fields. We are fortunate enough to have such a group of trained individuals representing pharmacology, biochemistry, synthetic organic chemistry, and biophysics.

2. Synthesis of LSD and related compounds. The chemical nature of the compound makes it a difficult one to work with. Knowledge of the metabolism of LSD may be gained either by studies of this molecule suitably tagged or by studies of lysergic acid or various derivatives in which isotopes have been introduced at proven locations.

3. Several isotopes show promise as possible tags for use in the LSD molecule. Radiocarbon (carbon 14) and tritium (hydrogen 3) are of exceptional interest because these two elements make up a large part of the molecule. Both can be obtained with very high specific activity and therefore may be able to supply sufficient radioactivity so that microgram quantities can be traced in

WARRANTAGE  
SOURCE: [REDACTED]

4657

the body. Heavy nitrogen (nitrogen 15) has many advantages; however, as a ring element, synthesizing it into the molecule will be an exceptionally difficult feat.

4. The synthetic chemical program is under the direction of Dr. [REDACTED] Lecturer in Chemistry. He will be assisted by Dr. [REDACTED] post doctoral fellow in chemistry coming this fall from the University of [REDACTED] and by a graduate student to be appointed.

5. Metabolism of LSD and related compounds. The problem is to discover what the body does with LSD. The percentages of a dose of LSD retained in many other organs and tissues of the body will be measured. The pattern of excretion is important. Information as to what chemical alterations are induced by the metabolic activity of cells in the central nervous system or in the liver or in the muscle will be sought. Because of the ability of this molecule to produce schizophrenic-like disorganization in normal humans, the concentration of LSD in the central nervous system will of course have a prime interest. One task will be to discover whether concentration differences exist in various parts of the central nervous system.

6. The over-all budget is thus \$34,100.00 plus the allowance for university overhead.

Q O

Q O

4657

**B**

PROPOSED BUDGET

For

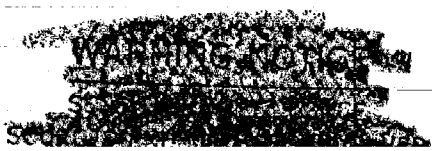
Grant for the Third Year;

[Redacted]

October 1, 1955 to September 30, 1956.

Salaries and Wages. . . . .	\$19,000.00
Permanent Equipment . . . . .	2,000.00
Materials and Supplies . . . . .	2,000.00
Travel. . . . .	500.00
Contingencies . . . . .	500.00
Dr. [Redacted] (Chemical Studies). . . . .	7,000.00
	<hr/>
	\$31,000.00
Overhead at 10%	3,100.00
	<hr/>
	\$34,100.00

**C**





46-58

FISCAL YEAR 1955  
PROGRAM FOR SUBPROJECT 46

46  
46-58

CUMULATIVE FINANCIAL STATUS

For  
[Redacted] Grant as of September 30, 1955

	Approved Budget	August 31	Estimated to September 30
Salaries and Wages	\$20,900.00	\$24,277.03	\$26,077.00
Permanent Equipment	10,000.00	10,888.67	11,088.00
Materials and Supplies	4,000.00	6,171.47	6,271.00
Travel	1,000.00	1,213.61	1,213.61
Overhead	5,677.00	5,677.00	5,677.00
Contingencies	3,373.00	450.00	450.00
Dr. [Redacted] (Chemical Studies)	17,500.00	13,860.51	14,060.00
<b>Totals</b>	<b>\$62,450.00</b>	<b>\$62,538.29</b>	<b>\$64,836.61</b>

	August 31, 1955	Estimated to September 30
Total received to date	\$62,450.00	\$62,450.00
Expenditures	62,538.29	64,836.61
Balance	\$ 88.29 credit	\$ 2,386.61 credit

I have examined and approved the submitted expenditures

*[Signature]*  
[Redacted]  
[Redacted] Division

NOV 21 1955

[Redacted]  
5 Nov. 1955

Date:

D

FILE

46-59

RECEIPT

I hereby acknowledge receipt of the following checks:

- ✓ Treasurers check [redacted] in the amount of \$29,803.10,
- ✓ Treasurers check [redacted] in the amount of \$1,168.12,
- ✓ Treasurers check [redacted] in the amount of \$23,033.34,
- ✓ Treasurers check [redacted] in the amount of \$917.34,

all (four) checks drawn on [redacted] dated 27 September 1955, and payable to [redacted]

B

A

Date: Sept 6, 1955

46-60

16 September 1955

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA : TSS/Budget Officer

SUBJECT : MKULIRA Subproject 46, Invoice #2,  
Allotments 5-2502-10-001 & 6-2502-10-001

1. Invoice #2 is attached covering the above subproject. This is a final invoice. It is requested that payment be made as follows:

**B** Two cashier's checks drawn on a ~~bank~~ bank, payable to ~~the~~ one in the amount of \$23,033.34 and the second for \$917.34.

2. The checks should be forwarded to Chief, TSS/Chemical Division, through TSS/Budget Officer, no later than 30 September 1955.

3. The two invoices covering this subproject aggregate \$35,776.00, and make use of the balance of the FY 55 funds, plus the FY 56 funds obligated to date under this subproject. Since it is expected that additional FY 56 funds will be obligated under this subproject, the files on this project should not be closed.

I CERTIFY THAT FUNDS ARE AVAILABLE:

OBIGATION REFERENCE NO. 221  
5-2502-10-001 \$3,774.68  
CHANGE TO ALLOTMENT NO. 6-2502-10-001 \$2,716.00

SIDNEY GOTTLIEB  
Chief  
TSS/Chemical Division

AUTHORIZING OFFICER  
Attachments:  
Invoice & Certifications

CHECK RECEIVED FOR THE AMOUNT OF \$917.34  
RECEIVED. 5 OCT 1955

Distribution:  
Orig & 2 - Addressee  
1 - Comptroller

CHECK RECEIVED FOR THE AMOUNT OF \$23,033.34  
RECEIVED. 13 SEP 1955

TSS/CD (13 September 1955)

RECEIVED

46-60

For services. . . . . \$23,950.63

B

CERTIFICATIONS

(1) It is hereby certified that this is Invoice #2 applying to Subproject 46 of MKULTRA, that performance is satisfactory, that the services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in 788/CS, that this bill is just and correct and that payment thereof has not yet been made.

Date:

Chief, Plans/Operations Division

(2) It is hereby certified that this invoice applies to Subproject 46 under MKULTRA which was duly approved and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Date:

Research Director

46-61

9 August 1955

MEMORANDUM FOR: CONTROLLER

ATTENTION : Finance Division

SUBJECT : NKULIRA, Subproject 46, Additional  
Authorisation No. 2

Under the authority granted in the memorandum dated 13 April 1953 from the DGI to the DD/A, and the extension of this authority in subsequent memoranda, Subproject 46 was previously approved. Under the same authority an additional sum of \$20,776.00 has been authorized to cover the subproject's expenses, (thereby bringing to a total of \$20,776.00 funds obligated during FY 56) to be charged to Allotment 6-2502-10-001.

SIDNEY GOTTLIEB  
Chief  
TSS/Chemical Division

Date:

APPROVED FOR OBLIGATION OF FUNDS:

Distributions:

Orig & 2 - Addressee

1 - TSS/OC

1 - TSS/FASB

1 - TSS/

2 - TSS/CD

A [Redacted] Research Director

[Redacted] A

[Redacted]

I CERTIFY THAT FUNDS ARE AVAILABLE.

OBLIGATION REFERENCE NO. 331

CHARGE TO 6-2502-10-001

11 AUG 1955

AUTHORIZED OFFICER

46-62

28 July 1955

MEMORANDUM FOR: THE RECORD

SUBJECT : Addendum to Subproject 17 and 46

1. The purpose of this addendum is to set forth the mutual administrative responsibilities of the contractor and sponsor.

C 2. The above subprojects represent the research program of Dr. [redacted] financed under MKULTRA, covering the period of 22 October 1953 through 31 October 1955.

B 3. [redacted] has requested the University to submit to them a summary accounting of monies received from the [redacted]. Also, they requested the return of any unexpended funds received under a grant from the [redacted]. B

4. Title to any permanent equipment purchased by funds granted the University shall be retained by the University in lieu of higher overhead rates.

5. It was mutually agreed that documentation and accounting for travel expenses which are reimbursable by the University shall conform with the accepted practices of that Institution.

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

*Sidney Gottlieb*  
SIDNEY GOTTLIEB  
Chief  
TSS/Chemical Division

APPROVED:

A [redacted signature block] , Chief, TSS

Distribution:  
Orig & 2 - TSS/CD

A [redacted]

[redacted]

MEMORANDUM RECEIPT

APR 13 1955

DATE

TO:

FROM:

SUBJECT:

*Invoice #1  
Sub. 46*

*4/6-63*

I hereby acknowledge receipt of the following:

 CHECK  IN THE AMOUNT OF \$ *11,366.66* RECEIVED.




Please return \_\_\_\_\_ signed copy(ies) of this receipt

RECIPIENT

To \_\_\_\_\_  
FORM NO. 36-66  
MAR 1949

CERTIFICATE

*#46*

I hereby certify receipt of Cashier's Check  in the amount of \$11,366.66, drawn on the  payable to 

Date: *April 14 1955*



MEMORANDUM RECEIPT

APR 14 1955

DATE

TO:

FROM:

SUBJECT:

Invoice #1  
Sub. #6

46-64

I hereby acknowledge receipt of the following:

CHECK [REDACTED] IN THE AMOUNT OF \$458.66  
RECEIVED.

Please return [REDACTED] signed copy(ies) of this receipt

To  
FORM NO. 36-66  
MAR 1949

#46

CERTIFICATE

I hereby certify receipt of Cashier's Check [REDACTED]  
drawn on the [REDACTED] the amount of \$458.66,  
payable to [REDACTED]

Date: April 14, 1955

46-65

1 April 1955

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA : TSS/Budget Officer

SUBJECT : Project NEULERA, Subproject No. 46,  
Invoice #1, Allotment 5-2502-10-001.

Invoice No. 1 for Subproject 46 of Project NEULERA is attached. Other invoices will follow later. It is requested that payment be made by two cashiers checks, one in the amount of \$11,366.66, and one for \$458.66, payable to [REDACTED]. The checks should be sent to Chief, TSS/CD through TSS/Budget Officer by Wednesday, 6 April 1955.

B

SIDNEY GOTTLIEB  
Chief  
TSS/Chemical Division

Attachments:  
Invoice & Certifications

Distribution:  
Orig & 2 - Addressee  
1 - Comptroller  
1 - TSS/FASB  
1 - TSS/CD  
1 - Chrono

CHECK FOR THE AMOUNT OF \$11,366.66  
RECEIVED APR 13 1955

CHECK FOR THE AMOUNT OF \$458.66  
RECEIVED APR 14 1955

I CERTIFY THAT FUNDS ARE AVAILABLE:

OBLIGATION REFERENCE No. 86

CHARGE TO ALLOTMENT No. 5-2502-10-001  
4 APR ENTU

AUTHORIZING OFFICER

46-65

INVOICE #1

31 March 1955

For services.....\$11,825.32

*B*

[Redacted]

CERTIFICATIONS

(1) It is hereby certified that this is Invoice No. 1 applying to Subproject 46 of Project MKULTRA, that performance was satisfactory, that the services were accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts are on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Date:

SIDNEY GOTTLIEB  
Chief, TSS/CD

(2) It is hereby certified that this invoice applies to Subproject 46 under Project MKULTRA which was duly approved and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Date:

*A*

[Redacted]

Research Director

[Redacted]

46-66

21 March 1955

MEMORANDUM FOR: CONTROLLER  
ATTENTION : Finance Division  
SUBJECT : Project MKULTRA, Subproject 46

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 46 has been approved, and \$15,000.00 of the over-all Project MKULTRA funds have been obligated to cover the subproject's expenses and should be charged to Allotment 5-2502-10-001.

APPROVED FOR OBLIGATION OF FUNDS:

SIDNEY GOTTLIEB  
Chief  
TSS/Casual Division

[Redacted signature area] A

for Research Director

Date: MAR 27 1955

- Distribution:
- Orig & 2 - Addressee
  - 1 - TSS/OC
  - 1 - TSS/PASB
  - 1 - TSS/ [Redacted] G
  - 2 - TSS/CD

[Redacted signature area] A

I CERTIFY THAT FUNDS ARE AVAILABLE:

ORIGINATION REFERENCE No. 179

ACCOUNT REFERENCE No. 5-2502-10-001

1 APR ENTD  
AUTHORIZING OFFICER

DRAFT: [REDACTED] A 4667  
22 March 1955

MEMORANDUM FOR: THE RECORD

SUBJECT : Project MKULTRA, Subproject 46

1. The scope of this research program is intended to cover work to be done with LSD and related compounds by Professor [REDACTED] at [REDACTED] University for a period of one year starting 1 February 1955. The project will be handled through [REDACTED] consent-out and cover purposes [REDACTED] from Professor [REDACTED]

2. The general objectives of this project are directed at the elucidation of the site and mechanism of action of LSD by use of isotopically tagged molecules, the establishment of adequate methods for isolating LSD and its metabolites from biological materials, and a method for identifying these compounds.

3. Professor [REDACTED] has available to him at [REDACTED] a highly competent group of scientists of international reputation encompassing the fields of physical and organic chemistry in addition to those of medicine and psychology. He plans to use these people as informal consultants in the work.

4. The funds for this project include \$10,500.00 for the synthetic tagged LSD, \$20,773.00 for metabolic studies on such compounds, \$3,127.00 for the 10% University overhead charge, and \$1,376.00 for 4% service charge by [REDACTED]

Therefore, the total cost for this investigation will not exceed \$35,776.00 for a period of one year. At the present time, the sum of \$15,000.00, representing \$14,000.00 to [REDACTED] University, plus \$600.00 fee to [REDACTED] is being committed. The balance of the total will be committed at a later date.

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

APPROVED FOR OBLIGATION  
OF FUNDS:

[REDACTED] A  
TSS, Chemical Division

APPROVED:

[REDACTED] A  
for Research Director

Date: 24 Mar 55

[REDACTED] A  
Chief, TSS/Chemical Division

Attachment: Proposal [REDACTED]

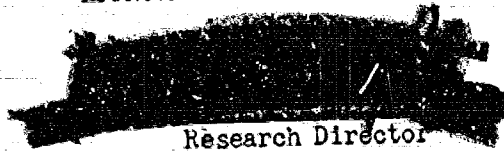
Original Only.

46-67



-2-

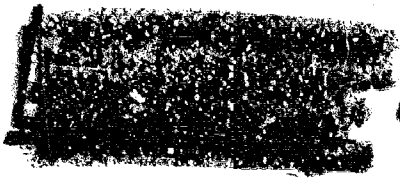
APPROVED FOR ADDITIONAL APPROPRIATION OF \$20,776.00:



A

Research Director

Date:



A

Personnel involved in the second year of the LSD project.

46-67

1. Metabolism, Dr. [REDACTED]

Miss [REDACTED] intends to undertake graduate work on the metabolism of certain drugs in the liver, using a liver perfusion technic. is just starting this work and has an interest in examining lysergic acid derivatives.

A. Part-time technician for help with carbon counting is needed.

2. Counters and biophysics and consultant, Dr. [REDACTED] Part time.

3. Neuropharmacology, Dr. [REDACTED], part time; Mr. [REDACTED] part time; a graduate student - Miss [REDACTED]

4. Isotope Biochemistry consultant, Dr. [REDACTED] part time.

5. Synthetic Organic Chemistry, under the general direction of Dr. [REDACTED] part time; Dr. [REDACTED] Dr. [REDACTED] a graduate student in the Chemistry Department.

6. Clinical Consultant, Dr. [REDACTED] of [REDACTED]

7. Coordinator, Dr. [REDACTED]

The duties of our part time neuropharmacologist, Dr. [REDACTED], who left to join the staff of the [REDACTED] are being taken over by Dr. [REDACTED] instructor in pharmacology.

The part-time services of our biophysicist, Dr. [REDACTED] who is temporarily at the University in [REDACTED] are being taken over by Dr. [REDACTED] instructor in biophysics.





46-68

SCHEDULE FOR -- [REDACTED] -- DISBURSEMENT

# 46

University of [REDACTED]

1 September 1958	\$5,830.00
1 December 1958	\$5,830.00
1 March 1959	\$5,830.00
1 June 1959	\$5,830.00
1 September 1959	\$5,830.00
1 December 1959	\$5,830.00
1 March 1960	\$5,830.00
1 June 1960	\$5,830.00
<del>1 September 1960</del>	<del>\$5,830.00</del>

[REDACTED]

STANDARD FORM NO. 64

4669

PERIOD Subproject 46

Date of Original Authorization	Period Covered	Class In-cluded to	Allotment Number	Amount of Obligation
24 Mar 55	1 year		5-2502-10-001	15,000.00

Additional Authorizations	Period Covered	Class In-cluded to	Allotment Number	Amount of Obligation
#1 9 Aug 55			6-2502-10-001	20,776.00
#2 19 Dec 55	30 days 56		6-2502-10-001	35,464.00
#3 15 Dec 56	2 yrs		7-2502-10-001	93,121.60
#4 22 Aug 1958	2 yrs		9-2502-15-000	48,505.60
#5 Supplement	1 yr.		0525-1007-4902	15,600.00
#6 Supplement	1 yr.		1525-1009-1902	47,800.00
#7 Supplement	1 yr.		0105-1550-3912	22,800.00

Invoice No.	Date	Amount	Balance
1	4/1/55	11,825.32	31,746.68
2	9/1/55	2,395.68	0
3	1/3/56	17,732.00	17,732.00
4	3/1/56	17,732.00	0
Auth #4	5/1 Dec 56	93,121.60	93,121.60
5	13 Dec 56	31,010.53	62,110.47
6	21 June	62,110.47	0
Auth #5	22 Aug 58	48,505.60	48,505.60
7	21 August	48,505.60	0
Auth #6	6 Aug 58	15,600.00	15,600.00
<del>8</del>	<del>31 Mar 60</del>	<del>15,600.00</del>	<del>0</del>
#8	31 Mar 60	15,600.00	0
#9	25 Aug 60	47,800.00	0
#10	14 Dec 61	22,800.00	0