4

Purpose: To study the role of the human brain in overall adaptive behavior. Specifically, to show the relationship of changes in behavior due to stress (mental disorders, sensory deprivation, peptic ulcers, threatening life situations, etc.) to changes in behavior brought about by actual loss of cerebral tissue (MGULTRA 61).

Initiated Original research program initiated in 1956 as part of August 1960.

Contractor: Dr.

Cost: \$60,797.36. (This is the last year in which this activity will be funded by the Agency.)

Status:

#1150

Fovember 20th, 1961

9/1/60 = 8/31/61

Principal Investigator: Dr.

a Research Assistant

Contribution to Fund

\$ 58,459.00

Expanditures: Salaries:

Research Associate
Research Assistant
Research Assistant
Research Assistant
Technician
Technician
Technician
Lab, Assistant

Secretary
Secretary
Psychologist
Consultant
Consultant
Consultant
Consultant
Consultant
Consultant

Typist
Typist
Wity
Famsion Flam = 5% of \$38,982.78

3,566,25 1,66,65 358,32 1,99,00 1,250,00 3,366,64 325,00 287,93 500,00 500,00 250,00

\$ 122499.92

8.750.00 4.550.00

400.00

250,00 15.60 1,565,00 1,016.09 931.55 1,919.14 \$ 16,577.09

152.13 316.51 321.17 32.08 208.38

> 27.50 98.60

126.10

Step1 Folding Table (Used)
Poference Books
Compatible Supplies:

Poulpont:

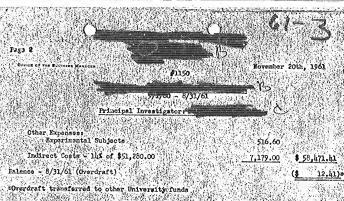
98.6

2,997.60

1.075.22

Esportirs Schoolseared

7 Cestural es Para 2





September 20, 1960



Centlement

We are pleased to be able to transmit to you the following funds:

Treasurer's Check No. 177038 drawn on to stated September 16, 1960

Treasurer's Check No. 255091 drawn on ...

These funds represent a contribution for the use of your directors in carrying out the very worthwhile research goals of your organization.

Yours truly,

Checks (2)

1 September 1960

MEMORABIUM FOR: CHIEF, PINANCE DIVISION

AIV

: TSD/Budget Officer

SUBJECT

: MAJULTRA, Subproject 61, Invoice 66 Allotment Number 1525-1009-1902,

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

> Cashier's check in the amount of \$58,459 payable to drawn on Cashier's check in the amount of \$2,338.36 pay drawn on

2. Please forward the checks to Chief, TSD/Research Branch through TSD/Budget Officer, no later than Thursday, 8 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.



TSD/Research Division

Attached: Invoice & Certifications

Distributions

Orig & 2 - Addresses

CERTIFY THAT FUNDS ARE AVAILABLE CRIGATION REFERENCE No. 417 CHARGE TO ALLCHENT TO 1105- 1009- 1902

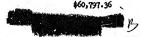
RECEIVE 191960

E AMOUNT OF SEE 159. W



INVOICE

For sarvices



#### CERTIFICATIONS.

(1) It is hereby certified that this is Invoice No. 6 applying to Subproject 61 of MMULTA, that performance is satisfactory, that services are boing accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is filed in TSD/RB, that this bill is just and correct and that payment thereof has not yet been sade.

	curat) ron/meagaren prenen
Date:	
61 under MKULTRA which was di carried out in accordance wi	that this invoice applies to Subproject uly approved and the project is being th the memorandum dated 13 April 1953 d the extension of this authority in
100	
	Research Director
Date:	



Dec. 12.

gantille.

No. 4/7

Object Class

Date	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance
31 AUG	mbelle Sub s:	60,717.36		69 797.3
7 SEP	Graine # 6		58 458.10 2338.36	
,			2338.36	
	described - (			
	4			entral de la companie
				w 150.000 www
AK =				
	·			
-(				
		700		
was a state				



29 August 1960

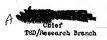
MEMORANDUM FOR: COMPTROLLER

ATTENTION : Finance Division

SUBJECT : MKULTRA, Subproject 61

Under the authority granted in the memoranium dated

13 April 1953 from the DOI to the DD/A, and the extension of
this authority in subsequent memoranda, Subproject 61 has been
approved and \$60,797.36 of the over-all MXULTRA project funds
has been obligated to cover the subproject's expenses. This
chligation of funds should be charged to Allotment 1925-10091902.



A

APPROVED FOR COLLIGATION OF FUNDS:

Postalen

1 CERTIFY THAT FUNDS ARE AVAILABLES
OBLIGATION REFERENCE No. 4/7
CHARGE TO ALLOTMENT No. 1125-1009-1802

AUTHORIZING OFFICER

Distribution: Orig & 2 - Addresses Budget for Studies on the

For 12 Months: September 1, 1960 through August 31, 1961

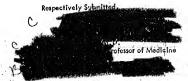
Animals (Purchase \$800; Maintenance \$500)	\$1300,00
	1700.00
Chemicals	1150.00
Glassware and Apparatus	390.00
Books Apparatus for scanning EEG alpha waves for brain function studies	4290.00
Special Payments for Experimental Subjects (for brain function studies)	1800,00
Overhead (approximately 6%) (includes retirement and Social Security)	3329.00
	\$13959.00

Salaries

Dr Technician) (Technician)

Secretary-typist Blochemical Technician Psychological Technician Part-time Olener

\$44,500.00 \$58,459.00



B

Desingrate
by cuttingley of: 137475
date: June 1977

FO SUFDET: CL BY 187475

DRAFT 29 August 1960

### MEMORANDUM FOR THE RECORD

SUBJECT: Continuation of Project MKULTRA, Subproject 61

- 1. The purpose of this Subproject is for support for one year of Dr. tudies on the role of the human brain in overall edaptive behavior. It has been shown that changes in behavior due to various kinds of stress (sensory deprivation, threatening life situations, mental disorders, peptic ulcers, etc.) are comparable to those behavioral changes which are brought about by actual loss of cerebral tissue. In the course of this research new techniques of measurement and new instrumentation is being developed with applications in other areas of TSD Interests.
- 2. It is anticipated that this will be the last year in which this research activity will be funded by us. Although several portions of the work have been and will continue to be supported from other sources, it is felt that Dr. Although group can obtain total research support for continuing work in this area from other Government and private sources after this next year.
- all function as cover and cutout for this project. The attached proposal indicates a cost of \$58,459 for one year. To this must be added \$2,338.36 which represents the \$4 service charge due to the cutout. The cost of the project for one year will therefore not exceet \$60,797.36. Charges should be made against allotment \$1525-1009-1902.

Drity of: 187475 Duno 1977

annual basis of all monies received from the Society. Also, it has been requested that any unexpended funds be returned as soon as possible upon the close of the grant year.

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

Chief
TSD/Research Branch

APPROVED FOR OBLIGATION OF FUNDS:

Research Director

Date:

8/31/60

Attached: Proposal and Budget

Distribution: Orig only.

AST475 ...

Proposed Activities from September 1, 1960 through August 31, 1961 of the

under the direction of

The group will continue to investigate the role of the central nervous system.

In human discose.

- One branch of these activities will be concerned with extending and analyzing a phenomenon established in previous studies, that the functional capacity of the central nervous system is impaired following prolonged periods of inadequate and unsuccessful adaptation. Two projects will be carried out. The first is an extensive analysis and comprehensive formulation of data already gathered in which the highest integrative function of patients diagnosed as having chronic and of patients with prolonged and a several were assessed. As the analysis proceeds additional psychological tests and observations of such subjects will be required. The second is concerned with the observation that subjects with as well as ostensibly are defective in their capacity to intect patients with prolonged end form "temporary cerebral connections" or "conditioned reactions" as demonstrated by the electroencephalograph. These observations will be extended to include hospitalized patients with schizophrenic reactions, patients with lesions of the brain in regions other than the cerebral hemispheres, and subjects who are experiencing severe stress and/ or anxiety, especially in subjects who are adapting to a new environment.
- Studies designed to examine the hypothesis that the mediator substance of axon reflex vasadilatation (neurokinin) is implicated in the machanism of a variety of disease states.

- a) It has been established that neurokinin is present in increased amounts in the painful and tender regions of the scalp during vascular headache of the migraine type.

  Further characterization of the pharmacodynamic and biochemical features of this subcutaneous perfusate will be carried out. Also, a laboratory method will be sought for screening of agents possibly useful in treatment of migraine headache. This method would be based on the properties of agents that antagonize neurokinin or the neurokinin forming enzyme.
- b) Attempts will be made to measure the neurokinin content of perfusates and "washes" of abdominal viscera before and during interviews dealing with aspects of the patients' life situation that are particularly threatening. Patients with colostomies or illeostomies with and without ulcerative colitis will be one group studied. Subcutaneous perfusate of uniteratious regions of skin will also be studied.
- 3. Bjochemical and pharmacological studies of neurokinin will continue.
  - a) Methods are now being developed to prepare large quantities of neurokinin.
- b) In cooperation with the Department of partification and chemical characterization of neurokinin will be attempted.
  - c) Pharmacological studies of the properties of neurokinin will be continued.

    Preliminary studies have indicated that neurokinin is antagonized in vitro by the steroid hormones of the adrenal cortex and by salicylate. This observation may be pertinent to the anti-inflammatory action of these agents. Studies of the action of these agents on the enzyme that forms neurokinin will be undertaken. Also it has been observed that LSD-25, an agent that induces delirium when administered in extremely small amounts, strongly potentiates one apparent action of neurokinin (stimulation of respiration). Related substances



()

BOL, UML, do this to a lesser degree. These observations are particularly interesting in view of our observation of the abnormally high levels of neurokinin-forming enzyme in cerebrospinal fluid collected from patients with the cerebrospinal fluid collected from patients and cerebrospinal fluid collected from patients with fluid cerebrospinal flui

4. a) A book length monograph, tentatively entitled summarizing and reporting the previous activities of this group will be prepared.

b) A revision of the book



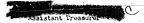


January 6, 1960



Enclosed please find our check in the arount of \$14,614.75 which represents the third payment of the grant made to your institution for work in Guran Ecology directed by In

Sincerely,



Enc

September 30, 1959



Dear

Enclosed please find our check in the amount of \$9,614.75 which represents the second payment of the grant made to your lettical College for work in a rected by Dr.

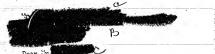
۲.

Sincerely,

Assistant Treasurer

Enc.

July 1, 1959

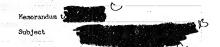


Dear l'r

Enclosed places find our check in the amount of \$14,614.75 which represents the first quarterly purpose of the grant made to your Medical College for work it

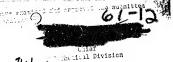
Sincerely,

September 19, 1960



Attached is the accounting for the period July 1, 1959
through June 30, 1960. We forwarded directly to the sum of \$53,459.00 and held back \$5,000.00. This execution request of Dr. Who was desirous of having Dr. With his project. Dr. Was retired from the tollege and could not be but on their payrell. He then became an amployee of the land was paid from the \$5,000.00 in D.

5



SLIMMARY OF EXPENSES ON

Hates Tholo FOR FISCAL YEAR

131, 502, 65 Total Sciences including special payments 1, 182, 54 Soul pasent 1, 411, 89 Supplies 133, 64 Reference Librery 1, 203, 24 Miscellaneou: (including malprocites insurance) 415.53 Trevel-10, 680.00 Rented charges \$ 231.33 Telephone 5, 024, 91 Administrative Fee \$51, 935, 76 Total Expanditures Amount obligated for unpaid bills and adiain. fee not yet deducted 4 643 92 154, 599, 45 GRAND TOTAL

Amount received from Society for the Investigation (Including belonce certed over from previous year)

Total charges

\$59, 784, 36

54, 599. 60 2 184, 68

In addition to the above the sum of \$5,000.00 was paid directly to n the form of salary in monthly installments during this period

> The above accounting is a true statement of expenses on the above account as showed to me.

Free Balance

Δ

RECEIPT

I hereby acknowledge receipt of the following:

Castler's Check No. A222106, in the amount of 558,459.00 drawn on the dated Aug. 21, 135 paydore

Date: 31-39

')	
5.	NAMES AND ASSESSED.

8 61-14

Cost Account 0525-1009-4902

Object Class

Date	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance
7, JUL 1959	Let 61 aut 4 3	38,340.80		38360.80
13 AUG	Set s. aut 44 3		38,260.80	10.0
	<u></u>			
10.790				
0=0	=(======			
	-11 ===			emanustru maine
-	,			
				10.00
	<u> </u>			
	30 E			
				-
,				
	:			

11 August 1959

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

AIV

: TSS/Budget Officer

SUBJECT

: MKULTRA, Subproject 61, Invoice #5

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

Cashier check in the amount of \$58,459.00, drawn on ank and made payable to the

2. Please forward check to Chief, TSS/Chemical Division Through TSS/Budget Officer by Friday, 21 August 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.

A 272778 CHEK PATHERT IN ATTUNT DE \$574593 REDEIVED . 25 AUG

chief TSS/Chemical Division

13 AUG

ATTACHMENTS:

Invoice & Certifications

Distribution: Orig & 2 Addressee 1 FASB/TSS TOTAL DE TO ARE AVAILABLE SO 188. 20

9-2502-15-902

37 260. 30

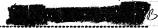
C525: COY- 4862

etiere :

For services

INVOICE

\$58,459.00



## CERTIFICATIONS

(1) It is hereby certified that this is Invoice #5 applying to Subproject 61 of MULTRA, 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 vet been made.

Chief. TSS/Chemical Division

(2) It is hereby certified that this invoice applies to Subproject 61 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.

Research Director

# 2 July 1959

MEMORANDUM FOR: COMPTROLLER

ATTENTION

: Finance Division

SUBJECT

: MKULTRA, Subproject 61, Additional

Authorisation #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 61 has
been approved and \$38,360.80 of the over-all MKULTRA project
funds has been obligated to cover the subproject's expenses. This
obligation of funds should be charged to Allotment 0525-1009-4902.



APPROVED FOR OBLIGATION OF FUNDS:

Research Director

Date:

Distribution:
Orig & 2 - Addressee

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

TSS/CD

Col- 17

29 June 1959

MEMORANDUM FOR: COMPTROLLER

ATTENTION

: Finance Division

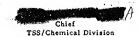
SUBJECT

: MKULTRA, Subproject 61, Additional

Authorization #4

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 61 has been
approved and \$20,198.20 of the over-all MKULTRA project funds
has been obligated to cover the subproject's expenses. This
obligation of funds should be charged to Allotment 9-2502-75-902.



APPROVED FOR OBLIGATION OF FUNDS:

Research Director

Date:

Distribution:

Orig & 2 - Addresse

I - TSS/

1 - TSS /

2 TCCA

TSS/CD/

ß

41

January 9, 1959

The state of the s

Dear

Enclosed please find our check in the amount of \$14,614.75 which represents the third quarterly payment of the grant given to the country of the grant given to the country of the support the work of Dr

Sincerely,

"bxecutive sectoral.

Enc.

SUMMARY	OF	EXPENSES O		West of the last o		1	958-59
		1000	The second	amontale but	-		

Total Salaries including spe-	cial payments	\$43,217.88
Equipment	1	75.65
Supplies		1,270.66
Reference Library		49.20
Miscollaneous (including mal	practice insurance)	273.12
Travel		779.36
Rental charges for	B	9,790.00
Telephone		298.60
Administrative Fee		2,879,17
	Total expenditures	58,633.64
Amount obligated for unpaid	bills	4,873,83

GRAND TOTAL

63.507.47 · Total Expenditures

951.53 Free Balance .

\$63,507.47

I have examined and approved the submitted expenditures

> Chief TSS/Chemical Division

Dates

## BUDGET 1959-1960

Salaries	45,650.00
Retirement and Social Security	2,934.00
Office and Technical Supplies and materials	1,750.00
Travel and Meetings	500.00
15% University Overhead	7,625.00
TOTAL	58,459.00



MEMORANDIM FOR: THE RECORD

available.

SUBJECT : Continuation of Project MULTRA, Subproject 61

- 1. The purpose of this subproject is the continued support of tudies on brain demage in human beings. Work in this field has made good progress during the past year. Highlights relating to this are quantitative clinical demonstrations of a much more precise nature than was ever before possible of the actual performance deficit brought about by suppression of the activity of various areas of the central nervous system. New methods of measurement of circulation changes involving the use of implanted thermistors of a very sensitive type have served to reduce the uncertainty of many of the experiments in this field of research.
  - During the coming year it is anticipated that many of the investigative techniques worked out in the past will begin to show their effects in terms of a vastly increased rate of significant data production.
- 3. This project has been reviewed and approved by the Ecard of Directors of the It should be noted that Drucceives no (stipend under the attached budget and that several portions of the work to be covered will be supported by other than government sources.
  - 4. The cost of the program for a period of one yeart starting

    1 July 1959 is estimated to be \$58,459.00

    fill be used as a cutout for transferring the money

    of the funds required for one year \$20,198.20 is

    being obligated at this time. Charges should be made against Allotment 9-250275-902. Remainder of funds required vill be obligated when FY60 funds become

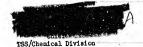
Jauthority off 187475 Coto: Jana 1977

ER IMPORT: CD BY 197475

E2 IMPDET; CL BY 187475

on an annual basis of all montes received from a summary accounting on an annual basis of all montes received from the liso, it has been requested that any unexpended funds be returned as soon as possible upon the close of the grant year.

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



APPROVED FOR OBLIGATION OF FUNDS: APPRO

APPROVED FOR ADDITIONAL APPROPRIATION X OF \$38,360.80.

escarch Director

Research Director

Attachment:

Budget

Distribution: Original only

Downgraded to by authority cf: 137475 cate: June 2011

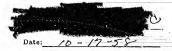
1

RECEIPT

I hereby acknowledged receipt of the following:

Cashier's Check #A203172, in the amount of \$15,567.96 drawn on Edated October

Cashier's Check #A203174, in the amount of \$22,891.04 drawn on the dated October 9, 1958, payable to





## 2 October 1958

## MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA

: TSS/Budget Officer

SUBJECT

- : MKULTRA, Subproject 61, Invoice #4
  Allotments 8-2502-10-001 and 9-2502-75-902
- 1. Invoice No. 4 for the above subproject is attached. Payment should be made as follows:

Two cashler's checks, one in the amount of \$35,567.96, obligated under this subproject during FY 59, and one in the amount of \$22,891.04, obligated under this subproject during FY 58, both drawn on a change and and made payable to

- 2. Please forward the checks to Chief, TSS/Chemical Division through TSS/Budget Officer by Friday, 10 October 1958.
- 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.

Chief

TSS/Chemical Division

Attachments: Invoice & Certifications

Distribution; Orig & 2 - Addresses

1/ TSS

SS/CD Oct 58)



INVOICE

For services

\$58,459.00



## CERTIFICATIONS

(1) It is hereby certified that this is Invoice #4 applying to Subproject 61 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

(2) It is hersby certified that this invoice applies to Subproject 61 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.

Research Director

Date:

October 2, 1958

Enclosed please find our check in the amount of \$14,614.75 which represents the second quarterly payment of the grant given to the solidese to support the work

Sincerely,

Enc.

1 61-36

July 7, 1958



Enclosed please find our check in the amount of \$14,614.75 which represents the first quarterly payment of the grant given to the llege to support the work of Dr. 4.6 total grant for the period July 1, 1958 through June 30, 1599 is \$56,459.00.

Sincerely,

Assistant Treasurer

Enc.



The second second second second

261-27

		No			
		Cost Account	9-1502-15-102		
			Object Class		
Date	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance	
1 JUL	A.L. G Good "4	20 178.22		23,184.2	
13 Aug -	Sub. 61 level " 1 Direct " 5		20,198.20		
	Lig.				
-	- 11		<u>-</u>		
	,				
	·				
-					
			7		
	*			<del> </del>	

D .\*

90.

21 11

9. 2502-75-912

***	WEI	TWALLE ALL REPRESENTS	TEMPER	LYMPHIC LYMPHIC	TIME TO A STATE OF THE STATE OF
9.6	June 1158	sutting tire	35,57.96		35,567.96
	3 1958	Swar +		35,567. 96	
					The second residence of the second
			LIE		The state of the second
		The state of the s	7		The state of the s
		The state of the s			
- 1	i	The second of second se		***************************************	many makes makes the constraint
	- 1	All the manufactures are a second		***************************************	entre de contrato de la contrato del contrato de la contrato del contrato de la contrato del contrato de la contrato de la contrato de la contrato del contrato de la contrato del contrato de la contrato de la contrato de la contrato del contrato de la contrato de la contrato de la contrato del contrato del contrato del contrato de la contrato de la contrato de la
:		17 To delice of 180 CH   190 C		to all the Total Control of the Cont	The street of the country of the part was some
		The second secon	The later was a patient training		en constitue à apartir designa actualise
1					
1,,,,,,,		A CONTROL OF THE PARTY OF THE P		en realization and	
				many the contract of the	
1			1		record to a mark track to the contract of the
		The state of the s	**(I) ********	ۇرىيىسىنىسى ئ	Perfectly and the control of the party of th
	30			ije sasti i i i i i i i i i i i i i i i i i i	
			y- x ;		
		The second second section (1995)		++ me = 1	

61-3

1 July 1958

MEMORANDAM FOR: COMPTROLLER

ATTENTION 1

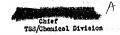
Finance Division

SUBJECT

: MXULTRA, Subproject 61

Under the authority granted in the negorandum dated

13 April 1953 from the DCI to the DD/A, and the extension of
this authority in subsequent memoranda, Subproject 61 has been
approved and \$35,567.96 of the over-all MKULTRA project funds
has been obligated to cover the subproject's expenses. This
obligation of funds should be charged to Allotment 9-2502-10-001.



APPROVED FOR CRITICATION OF FUNDS:

trad stored Li	) CERTIFY
OCT WALL	CHARACIC
Repeared Wirector	CHARGE 12

THAT FUNDS ARE AVAILABLE

Distributions

Orig & 2 - Addressee

A - TSS



2 October 1958

### MEMORANDUM FOR: CHIEF, FINANCE DIVISION

AIV

: TSS/Budget Officer

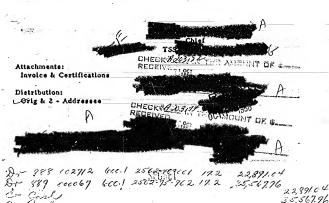
SUBJECT

: MKULTRA, Subproject 61, Invoice #4
Allotments 8-2502-10-001 and 9-2502-75-902

1. Invoice No. 4 for the above subproject is attached. Payment should be made as follows:

Two cashier's checks, one in the amount of \$35,567,96, obligated under this subproject during FY 59, and one in the amount of \$22,891.04, obligated under this subproject during FY 58, both drawn on a bank and made payable

- Please forward the checks to Chief, TSS/Chemical Division through TSS/Budget Officer by Friday, 10 October 1958.
- 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.



07720

NO. 27.2

1.2509.10 001

ALUZENENT

**GELIGATIONS** UNLEQUITATED BALANCE **CELEGATIONS** DATE PEMARKS AND PRFERENCES LICURALD LIQUIDATED 30 JUN 22,391.04 22 891. 01 3,001 27,886.99

61

30 June 1958

MEMORANDUM FOR: COMPTROLLER

ATTENTION

: Finance Division

BUBJECT

| MKULTRA, Subproject 61

Under the authority granted in the memorandum dated

13 April 1953 from the DOI to the DD/A, and the extension of

this authority in subsequent memoranda, Subproject 61 has been
approved and \$22,891.04 of the over-all MULTINA project funds
has been oblighted to cover the subproject's expenses. This
obligation of funds should be charged to Allotzent 8-2502-10-001



APPROVED FOR ORLIGATION OF PURDS:	De ORIGINATION REFORM IN No.
original signed by	GARGE TO ALLOW NO F. 2502 -
Research Strector	AUTHORIZING OFFICER
Date:	
Distribution:	



1 July 1958

RELIGITATION FOR ENGINAFORM

MOITEMPION

: Pinance Division

Subject

: MXULTRA, Subproject 61 +3)

Under the authority granted in the semoranium dated

13 April 1953 from the DDI to the DD/A, and the extension of this authority in subsequent memorande, Subproject 61 has been approved and \$35,567.96 of the over-all MAULTEA project funds has been obligated to cover the subproject's expenses. This obligation of funds should be larged to Allotsent 9-2502-10-001.

Unief Division

APPROVED FOR COLLICATION OF PURDS:

	Research Director			_
Date				_
Dist: Or:	ribution: ig & 2 - Addressee		-	
•	1 - TSS/	G	:	7
	1 - TSS			
* *	1 - TSS			1
	2 - TSS			. ;
maa la	Address	0001		

161-34

30 June 1958

ENGRANDUM FOR: COMPTROLLER

ATBERTA

Finance Division

SUBJECT

: MEULTRA, Subproject 61



Under the authority granted in the meanrandum dated

13 April 1953 from the DOI to the BD/A, and the extension of
this authority in subsequent memoranda, Subproject 61 has been
approved and \$2,891.04 of the over-all MOULTRA project funds
has been obligated to cover the subproject's expenses. This
obligation of funds abould be charged to Allotment \$1.2502.08.00.



	Research Director	100
Date:		
Distrib Orig	tion: 2 - Adirescoe	
	1 - TSS/ 1 - TSS/ 1 - TSS/	
	2 - TSS	

MEMORANDUM FOR: THE RECORD

SUBJECT

: Continuation of Project MKULTRA, Subproject 61

of Dr. tudies on brain damage in human beings. The attached proposal cutlines progress in this field to date and indicates the plans for new vork to be done during the coming year. In general, the current and future emphasis of the program will involve studies of metabolic and biochemical changes associated with impaired brain function related to other types of brain damage than actual tissue loss.

2. This project has been reviewed and approved by the Board of Directors to the attached budget and that several portions of the work to be covered will be supported by other than government sources.

3. The cost of the program for a period of one year starting of July 1958 is estimated to be \$58,559.00 will be used as a cutout for transferring the money to Charges should be made against allot-ment 9-2502-10-001.

has requested to submit to them a summary accounting our an annual basis of all monies received from tso, it has been requested that any unexpended funds be returned as soon as possible upon the close of the grant year.

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

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 University.



APPROVED FOR ORLICATION OF FUNDS:

TSS/Chemical Division



Date: 1- 10 JS . Downgreded to

Attachment: Proposal & Budget by authority of: 197475

Distribution: Original only 187475

0. 6	61-380
SUMMARY OF EXPENSES OF	L YEAR 1957-58
Total salaries	\$77,602.44
	5,964.34
Special payments (Dr. project)	150.00
Equipment (Er rojoet) - 2	187.50
Supplies " " "	1,328.87
Supplies (Dr Project)	27.00
Reference Library (Dr. Project)	10
Miscellaneous (including malprantise teamance and typewriter maintenance contract = De proje	oot) 493.05
Trayel (Dr. roject)	1,004.14
Travel (Dr. joject)	94.73
Rental charges [ concluding July '58)	11,570,00
Telephone	545.80
Administrative Fee	13,261,03
Total expenditures	\$112,331.34
Amount obligated for unpaid bills (including security on Fhipps House) .	6,022,00
GRAND TOTAL	\$118,353.34
amount carried over from previous year	10,315.08
frount rocelyed from	100,600.00 110,915.08
Overdraft	\$7,438,26
Unpaid bills parried forward to FY 1958-59	6,022,00
Amount transferred to another saggantefor payment I have examined and appropriate expenditures.	1,416,26 \$7,438,26
cher	
magichestes Division	Control of the last of the las

January 3, 1958

Business Manager

Dear Mr

thousand please find our check in the amount of \$50,000,00 which represents the accord half payment of the grant given to the

Sincerely.

Assistant Treasurer

Enc.

November 15, 1957

Er. Bisiness

Dear Kr

Enclosed is the Society's check in the amount of \$50,000.00.

This was represents the first half payment of the grant given support the work of Discourse the first half payment of the grant given

The second half payment will be made

in January 1958.

Sincerely,

Axecutive Secret

Enc.

D	F 1	へに	10	r

I hereby acknowledge receipt of the following:

Gashier's Check #Al81201, in the amount of \$30,000,000 drawn on the ated November 8, 1957,

Cashier's Check #Al81200, in the amount of \$20,000,00 drawn on the ted November 8, 1957,

Date: 13 November 1957



#### 28 October 1957

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA:

TSS/Budget Officer

SUBJECT

MKULTRA Subproject 61, Invoice No. 3,

Allotment 8-2502-10-001

1. Invoice No. 3 for the above subproject is attached.
Payment should be made as follows:

Two cashier's checks, one in the amount of \$30,000.00, and one in the amount of \$20,000.40, both drawn on a bank and made payable to

- Please forward the checks to Acting Chief, TSS/Chemical Division through TSS/Budget Officer by Friday, 8 November 1957.
- 3. This is a final invoice. A total of \$50,000.00 was obligated under this subproject during FY 58. However since it is anticipated that additional funds will be obligated for this project, the files should not be closed.



Attachme	nts:	5454
Invoice	& Certi	lications

Distribution:
Orig & 2 - Addressee
1 - Comptroller

Da.

08.

288 230477 600.1 2502-10-001 11.2 \$ 50,000.00 Elit. 1: \$50,000.00



INVOICE

For sarvices

\$50,000.00



#### CERTIFICATIONS

(1) It is hereby certified that this is Invoice No. 3 applying to Subproject 61 of MKULTRA, that performance has been satisfactory, that the services have been 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 Subproject 61 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.

Research Director

Dates

3 61-39

792

,,

50000.00

authoristin 30,000

10

- COMPANY

61-40

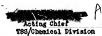
17 October 1957

MEMORANDUM FORT COMPTROLLER

ATTENTION : Finance Division

SUBJECT : MXULTRA, Subproject 61

theer the authority granted in the memorandus dated 13 April 1935 from the DOI to the TD/A, and the extension of this authority in subsequent memorania, Subproject 61 has been approved and \$50,000.00 of the over-all MOUTIA project funds has been obligated to cover the subproject's expenses. This obligation of funds should be charged to Allotsent 6-2502-10-001.



APPROVED FOR OBLI	ATTOR C	y runos	1	enter.
Kesearch	Arestor	-		
Date	- 01	19514		
Party management	Colonies	-		
Distribution: Orig & 2 Addres	360 360			
1 - TSS/CC 1 - TSS/SRB				
2 - TSS/FASB				

STUDY PROGRAM.

Study of Highest Integrative Amotions: Progress Report, and Proposal for the Coming Year.

### I. Present Status of the Studys

The investigations of the highest integrative functions are fundamentally sized at increasing our understanding of the functions of the human cerebral hemispheres in overall adaptive behavior. They aross out of our laboratory and clinical experience during the past twenty years, and especially out of our interest in the phenomens exhibited by men exposed to extremely threatening life situations; and they were initiated during the period when we were investigating the untoward effects of Communist police procedures.

The body of evidence scoumulated during these studies indicated that under extremely edverse circumstances men may develop symptoms clinically difficult to distinguish from those produced by gross brain damage or by agents that impair cerebral metabolism; lack of discrimination, poor tolerance of frustration, heightened suggestibility, illogical thinking, breakdown of defense mechanisms, mental clouding, discrimination, and frank delirium.

The initial efforts to elucidate these phenomena began several years ago, and have largely been brought to a conclusion during the past twelve months.

The first step in this study was the systematic investigation of the highest integrative functions of people who had suffered damage to their cerebral hemispheres, the amount and location of which was known as precisely as possible. During the course of four years, 250 such people were studied. In order to provide them with the widest possible opportunity to expose their defects in function, many areas of their adaptive activity were explored, both outside and within the laboratory. Subjects were observed in their performance on clinical assay procedures, including some that are well known as well as others that were newly devised. They were expected also to procedures

especially designed to investigate areas of behavior such as perseveration, which were of special interest. In addition to this, each was studied extensively by the usual olinical, neurological, and psychiatric methods. Finally, an extensive review was made of his life history, both before and after his brain injury, with special attention to his performance in the more complex areas of his life adjustment, such as his capacity to deal with the requirements and challenges arising in his family and in his work.

The second step in the investigation was a similar study of estensibly intact people with no known gross damage to their cerebral hemispheres. Two groups of such people have been investigated: 50 people with disorders such as chronic anxiety, tension, depression, and schizophrenia, and 25 people with bodily illnesses such as peptic ulcer, ulcerative colitis, or migraine headaches.

### II. Sindings to date:

From the integration of all of the data obtained from people with damage to the corebral hemispheres, it has been possible to define some of the adaptive functions of the human that are primarily subserved by the neopallium. These have been called the "highest integrative functions" of the organise, and they have been placed in four general categories, wis:

- (a) The intact neopallium enables a man to express his appetites, drives, and feelings in a manner appropriate to life in a complex society.
- (b) It provides him with mechanisms for the achievement of complex goals (learning, memory, logic, etc.).
- (c) It enables him to maintain a high degree of telerance for frustration and failure when confronted by conflicting drives, and to recover promptly from the effects of frustration and failure when they occur.
  - //(d) It provides him with the capacity to maintain effective and well-



modulated defense reactions (i.e., repression, denying, pretending, rationalisation, blaming, withdrawal, phantasy, depersonalization, obsessive-compulsive behavior, and bodily reaction patterns involving alimentation, respiration, metabolism, etc.).

evidence from the study of the brain-damaged indicates that these highest integrative functions are not localized within the benispheres. They fall off in a graded fashion dependent upon the amount of hemisphere tiesue that is lost, and without regard to its location. Moreover, they fall off long before less highly organized functions, such as simple memory, the ability to calculate, or the ability to carry out tasks of some complexity learned prior to the brain injury, are lost.

Evidence from the study of the chronically anxious, tense, depressed, and schizophrenic subjects indicates that their highest integrative functions, as judged by their performance on the tests and in their life adjustment, fells off in a manner not distinguishable from that of people who have sustained brain damage. They can, of course, be distinguished from people with gross brain-damage by the absence of localizing neurological signs, and by the intactness of some of their less complex functions; but in their inability to express their feelings appropriately, to utilize their goal-schieving mechanisms effectively, to tolerate frustration and failure, and to meintain well-modulated defense reactions, they are indistinguishable from those who have sustained direct damage to their broins. In many instances their functions are impaired to a degree equivalent to that produced by a large loss of beatenberg tissue (100 grass).

Similar degrees of impairment of the highest integrative functions have been found in people with disturbances of bodily adaptive reaction patterns such as poptic ulcer, which are intimately tied up with the general life adjustment. These two groups of chronically ill people, in short, show manifestations of an impairment of their cerebral hemispheres. Because some of the disturbances of these people are transient, the impairment of their hemispheres is to some extent reversible and is said to be "functional"; but since many of their illnesses, like schizophronia, ulcerative colitis, and chronic psychoneuroses,

and their accompanying feilures of life adjustment, are notoriously wareaitting, it seems quite likely that some of these people have, in effect, a severe and

permanent impairment of their neopallium,

turbances of cerebral function.

This evidence of severe, and possibly permanent, impairment of the function of the cerebral hemispheres raised the question of whether other, and chemically detectable, evidences of altered brain metabolism might be found in people in whom, up to the present, only symptoms of disturbed function had been described. It seemed possible that substances associated with disturbed cerebral metabolism might appear in the spinal fluid, and might be found there in people with dis-

Therefore, the initial search was directed toward the detection, in the spinal fluid, of substances that might be related to disturbed brain metabolism.

This investigation has been unexpectedly fruitful, by exposing to beef globulin spinal fluid taken from people with known damage to the cerebrum, it has been shown that these spinal fluids contain a substance with the characteristics of an enzyme, which breaks down the globulin to a polypeptide.

This polypeptide has not been identified chemically, but in biological preparations it has many of the characteristics of a polypeptide found in blister fluid and other inflammatory explates, which has been called "bredykinin",

This enzyme has been found to be present in the spinal fluids of 45 out of 50 people with various forms of active brain damage. It has been found also in the spinal fluids of 13 out of 15 people during attacks of vascular headache. It has not been found in the spinal fluids of 50 persons who

had no evidence of disease of the central nervous system. It was found in

fluid of some persons who were experiencing much stress.

of perhaps greatest interest, it has been found in the spinal fluids of 45 out of 50 people with active achizophrenia, but without other evidence of dissass.

"e believe that the finding of this engage-like substance and polypeptides under the circumstances described supports other evidence that metabolic disturbances occur in the brains of people with headache and schizophrenia. We expect that the same substance will be found in the spinal fluids of people with other chronic disturbances of their highest integrative functions.

It is well known that profound disturbances of the highest integrative functions, accompanied by pronounced disturbances of mood, thought, and behavior, may be produced in people by exposing them to environments to which they can make no adequate adaptation, such as concentration camps, or prison procedures simed at interrogation and indoctrination. Therefore, it seems reasonable to infer that exposure to such a situation in itself produces an impairment of corebral hemisphere function; and that this impairment may sometimes be very grave.

III. Proposal for the Coming Years

1. A monograph titled is planned for completion during 1958. The major goal of this publication will be to define the defects in highest level adaptive capacity that occur with disease of the reopallium, and to illustrate bow these defects are similar to those produced by prolonged existence in an unadapted state. It is intended that the description of the components of the highest integrative functions will be comprehensive enough to take into account the various elements of diseases



61-41

characterized by prolonged disturbences of mood, thought, and behavior.

This project will be undertaken primarily by Cr. with an editorial

- 2. In order to assess further the highest integrative functions of a people with chronic illness not estensibly involving the central corrects system, a study of a correfully chosen group of young people with disbetes rellitus will be undertaken. Cats with regard to their health, personalities, and interaction with their social environment will be gathered by rembers of the staff under the direction of Communication with a similar to those used in the study. Upport for this investigative effort in general is being sought from other sources; but for the special psychological testing needed for this aspect of it a full-time psychological technician and a psychologist will be required,
- 3. The follow-up study on the will likewise provide an opportunity for the study of their highest integrative functions, and an estimate of the influence of their life experiences upon this. The methods will be those that have been described; most of the necessary data are already available, and only a moderate amount of additional testing need be done.
- b. A similar study, using a carefully solected group of working women, largely homogeneous in its composition, will be carried out. Records of health, attendance, and performance on the job, covering periods of more than twenty years, are available for these women. Those to be tested will be selected to include some with records of outstandingly good health and performance, some with outstandingly poor health and performance, and some whose performance was near the sedian in these respects. A large part of the cost of this project also will be borne by other sources.
- 5. In order to make a further assessment of the effect of damage to the neopallium upon general health, a group of thirty subjects with focal removals

0 61-41

- in studies of the proteolytic enzymes in spinal fluid will be continued,
   with three leadable costs:
- a. The covelegent of a simple readily repeatable method for the quantitative estimation of the protectivity of spinal fluid. The present blo-assay technique is cumbersone and technically describing. A simple chemical test may be possible. If such a satisfic can be developed, a large series of measurements of protective activity in spinal fluid will be undertaken, using specimens obtained from the naurological services of the magnitude, and possibly the
- b. The appreciable of the significance of the conservation that increased asounts of proceedytic activity are present in spinal fluid at some times, and in some people. The appreciable to this proclembill on through accertaining the effect of a sterile, injectable "anti-brodylinin" agent, in the form of chymotrypsin. The effects of introvenous, intromuscular, and perhaps introthecal injections of this and similar substances, after sultable proceedings have been taken to accertain the safety of such procedures, will be undertaken in people with migraine headsebe and schizophrenia.
- o. Pharmacological studies will be undertaken in order to establish whether or not the protection enzyme observed is identical with a known bredykinin liceration enzyme.
- 7. ittempts to develop new methods for the study\_of the highest integrative functions will continue; one method now being considered is that of conditioning

the electroencephalographic response in brain-damaged persons.

8. Investigations of the local oursbral circulation will likewise be continued.



# SUDDET - Study of Highest Integrative Functions FY 1958-1959

Director	hone
Physiological Psychologist	\$11,000
Clinical Investigator, Meurologist	9,000
Research Assistant	. 6,500
Psychologist	7,000
Technicisn	3,800
Secretary	3,700
Typist	2,950
Editorial Assistant (balf time)	1,700
5% Retire. Plan and 276 300. Sec.	2,934
Pormanent Office Squipment	750
Office and fechnical Supplies	1,000
Travel and Meetings	500
University Overbead, 15%	7.625
GRAND TOTAL	158,459

date: June 1977

17 October 1957

THE RECORD CL BY 187475 MEMORANDUM FOR:

SUBJECT

Continuation of Project MKULTRA, Subproject 61

the purpose of this subproject is the continued support of dudies on brain damage in human beings. The proposal outlines progress in this field to date and indicates the plans for new work to be done during the coming year. In general, the current and future emphasis of the program will involve studies of metabolic and biochemical changes associated with impaired brain function related to other types of brain damage than actual tissue loss.

This project was reviewed and approved by the Board of Directors t the meeting of 11 March 1957. It will be noted that the attached budget indicates an expenditure of \$61,805.00. Dr. agreed to obtain \$11,805.00 of this from other than Agency sources, lovering our contribution thereby to \$50,000.00.

3. The cost of the program for a period of one year starting 58,459.00 1 July 1957 is estimated to be \$50,000.00 will be used as a cutout for transferring harges should be made against allotment 8-2502-10-001.

b requested o submit to them a summary accounting on an annual basis of all monies received from Also, it has been requested that any unexpended funds be returned as soon as possible upon the close of the grant year.

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

6. 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 University.

APPROVED FOR OBLIGATION OF FUNDS:

cting-Chie TSS/Chemical Division

search Director

Attachment: Proposal & Budget

Downgraded to Distribution:

by authority of: 187475 Original Only - TSS/CD date: June 1977

BY 187475

Project - Plans for the Coming Year, July 1957 - June 1958

The investigations in Brain Function initiated in the Program were based on the postulate that the functions of the human brain and possibly its structure may be damaged as a consequence of prolonged stress. This thesis is now almost fully documented. Early in the study, impairment of the highest integrative functions was defined through the elaboration of methods for the study of highly selected subjects with loss of known amounts of tiesue from the cerebral hemispheres. These persons were studied by a large aggregate of quantitative behavioral indicators and by means of extensive information from their families and their associates. It was then demonstrated that the highest integrative functions are impaired to a degree closely linked to the mass of tissue loss, regardless of site, and in a manner determined by the subject's development, previous life experience and prevailing high level adeptive reactions.

These mothods were next applied to several groups of persons who had suffered prolonged stress. The evidence gathered indicates that the brain is vulnerable when severa threat is prolonged, and may be damaged when there is a failure in high level adaptation for long periods. Those persons who perceived themselves as most threatened, and who exhibited the most serious abreactions, were those who were most severely impaired in their highest integrative functions. Such defects were sometimes major and in some instances incompletely reversible. To explain such defects, a thesis currently entertained by the laboratory is that the observed dysfunction may be related to neurohumoral and biochemical aspects of inappropriate and faulty metabolism that are capable of investigation.

The program for the current year will include extensive further documentation of the above thesis with explorations of the biologic mechanisms behind these damaging processes. It is hoped that, by so doing, ways and means of avoiding and eliminating the above described abreactions will be forthcoming. Dr. Project

The personnel and equipment will remain the same. The funds involved are detailed on the attached sheet.

dget for the study Program, Fisca		
rolect	400 (4.00)	
7	9,000	17/1 1
project director	5,000	
neurologist, part time	9,000	
biopsychologist, full time	4,000	
neurologist, part time	4,750	
psychologist, a salary	6,000	
research asst.	3,300	
secretary	3,400	
technicism	2,950	•
is	47,400	
5% Retire. and 21% Soc. Sec.	3,437	* 44 000
		50,837
3.4		
1.1 Demonts	171	200
pecial Payments		500
eneral Supplies		500
energy puppers		1,000
echnical Equipment		1,000
DOMINIONAL EQUADMONTO		300
echnical Supplies		,
Commission May/1277 Teaching to the commission of the commission o		100
iscellaneous		
		750
ravel		,,,
		100
eference Library		
		2,400
tatistical Services		
		56,187
*		



\$61,805

COUNT FOR FISCAL YEAR 1956-57

Amounts Obligated in FY 1955-56	but Paid in FY 1956-52		
Equipment	399,55.		MATERIA A CONTRACTOR
Supplies	352.76	• .	1
Reference Library	23.29		
Miscellaneous	120.09	14	
Telephone, electricity & extern			
Travel (including taxis)	316.42		
Travel (Including carrs)		\$1,402,90	
110		411.02170	
· · · · · · · · · · · · · · · · · · ·			
Dr. Project C	2,114,49		
Equipment			
Supplies	2,534.46		
Reference Library	129,15		
Miscellaneous (including wareho	use bill,		
settlement with Mrs	lpractice C		
insurance, install, or air con	altioners,		
and reprints AMA Neur. & Psych	2,040.28		
Salaries (includ. Soc. Sec. and	5% Retire.		
Plan)	37,803.68		
Special payments	4,634.74		
Utilities	869.80		
Travel	1,337.98		
Administrative Fee	2,598,85		
YOWTHISCLACIAS LSS	- SILIXISI	54,063,43	
		2.1	
Dr. Polect C			
	520.55		
Supplies	24.86		
Reference Library			
Miscellaneous	57.99		
Selaries (includ. Soc. Sec. and	5% Retire.		
Plan)	45,120.02		
Special payments	285,41		
Travel	435.18		
Administrative Fee	2.041.95		
		48,485.96	
Aprilla			
roject			
Supplies	3.75		
Rooms (for interpreter & inform	ants) 350.00		
Moals, Taxis & Misc, for inform			
Informant Fees	1,400.00		
Reference Library	11,85		
Salaries (includ. Soc. Sec. and			
	5,400.98		
Special payments	21,22		
Travel	SA456	19,983.45	
		17,707,47	
The state of the s		6,675,00	
Rent for		0.073.00	120 (10 0)
Service Francis			130,610.74
			( 200 00
Obligated for Administrative Fe	00	.0	6,300.00
Total unpaid bills (including s	security on	<b>*</b>	2.051.00
	-		
in the same of the		<b>Total</b>	\$138,961.74
11 70			

(3)2 · · · ·

61-46

### Receipt

Receipt is hereby acknowledged of the following four checks:

Treasure Is check No. 1-152550, dated January 23, 1957, drawn on the the amount of 30, 512, 50,

E

Cashier's check No. A106835, dated January 14, 1957, drawn on in the amount of \$6,512,50.

Official check No. 209-271130, dated January 14, 1957, drawn of in the amount of \$10,000,000.

n E

Cashier's check No. DM39739, dated January II, 1957, drawn on the the amount of \$16,050.00.

All four checks are made payab

Date:

## Receipt

Receipt is hereby acknowledged of the following four checks:

Treasurer's check No. 1-152550, dated January 23, 1957, drawn on the the amount of \$6, 512, 50.

Cashier's check No. A108835, dated January 14, 1957, drawn on

in the amount of \$6,512.50.

Official check No. 209-271130, dated January 14, 1957, drawn on the amount of

Cashler's check No. DM39739, dated January II, 1957 drawn on the the amount of \$16,050.00.

All four checks are made payable to

310, 000, 00,

Date:

JUI- 48



### 4 January 1957

# MEMORANDUM FOR: CHIEF, FINANCE DIVISION.

VIA:

TSS/Budget Officer

SUBJECT

MKULTRA Subproject 61

Invoice No. 2, Allotment 6-2502-10-001

1. Invoice No. 2 for the above subproject is attached. Payment should be made as follows:

Cashieria check in the amount of \$6, 512.50, drawn on a thier's check in the amount of \$6, 512.50, drawn on a

trishleris sheck in the amount of \$16,050,00, drawn on a

Cashier's check in the amount of \$10,000.00, drawn on a

All four checks should be made payable

- 2. Please forward the checks to Chief, TSS/Chemical Division through TSS/Budget Officer by Friday, 18 January 1957.
- 3. This is a final invoice. A total of \$58,612,00 was obligated under this subproject during FY 58. However since it is anticipated that additional funds will be obligated for this project, the files should not be closed.

SIDNEY GOTTLIEB Chief, TSS/Chemical Division

Attachments: Invoice & Certifications

Distribution:

Orig & 2 - Addressee

1 - Comptroller 3.886-002572-600.1-2522-10-001-17.1- \$ 39,075,00

1 03 038011



AUTHORICES CONTROL OFFICER

MEMORANDUM RECEIPT

· T0:

FROM:

SUBJECT:

acknowledge receipt of the following:

1.152550 04 39139

#209-27/130

10,000

6512.50 16,050.00

) aroning

Receipt is hereby acknowledged of the following check:

Cashier's Check, No. M24715, dated December 13, 1956, in the amount of \$19, 537,00, payable to

Date: 28 Deu St



Pon sandos

\$39,075,00



#### CERTIFICATIONS

(1) It is hereby certified that this is invoice 2 applying to Subproject 61 of MKUL/TRA, that performance has been satisfactory, that the services have been 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 61 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.

Research Director

Date:



61-52

### 6 December 1956

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA:

TSS/Budget Officer

SUBJECT:

MKULTRA Subproject 61, Invoice 1

Allotment 6-2502-10-001

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

b.

Cashler's check in the amount of \$19, 537, 00, payable to

2. The check should be forwarded to Chief, TSS/Chemical Division, through TSS/Budget Officer, no later than Thursday, 13 December 1956. Other invoices will follow.

SIDNEY GOTTLIEB
Chief
TSS/Chemical Division

A 30 11 5 61.

Attachments:

Invoice and Certifications

Distribution:

Orig & 2 - Addressee

TSS/FASB

2 - TSS/CD

TSS/CD

6 December 1956)

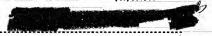
CHECK! #2415 I THE VMCTINT OF E05110 RECEIVED 1965



INVOICE

Por carvines

\$19.537.00



### CERTIFICATIONS

(1) It is hereby certified that this is invoice 1 applying to Subproject 61 of MKULTRA, that performance has been satisfactory, that the services have been 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 61 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.

Research Director

Date:



# BUDGET:

Project Director	9,000
Neurologist	4,000
Neurologist	4,000
Physiological Psychologist	8,000
Neurologist	6,000
Lab Technician	3, 200
Lab Technician	3,000
Secretary	3, 200
Two Typists (3, 000 each)	6,000
Subtotal	46,400
Overhead @ 8%	3, 712
	50, 112
Technical Equipment	7,500
Travel	1, 000
GRAND TOTAL	\$58 612

761-54

22 June 1956

MEMORANDUM FOR: THE RECORD

SUBJECT

: MKULTRA, Subproject 61

1. Subproject 61 is being initiated to support the brain studies of Dr.

2. The scope of Dr rogram will encompass
the following phases (see attached proposal for detailed
discussion):

- (a) To systematically collect and evaluate current research on central nervous system function and structure in order to understand better what types of research on modification and exploitation of CNS function will be most productive.
- (b) To assess the elements of frustration adaptation by studying the reactions of brain damaged and non-brain damaged individuals to artificially induced frustration designed as a prototype of certain situations commonly encountered in nature.
- (c) To evaluate these reactions to see to what extent frustration adaptation can be prevented, postponed, modified and predicted.

Downgraded 12 by authority of 1287475 date: June 1977

E2 PEPDST: CL BY 187475

50,000.00

3. The cost of the program for a period of one year starting 25 June 1956 is estimated to be \$137642700

used as a cutout for transferring the money to Charges should be made against afforment

2-2502-10-001.

has requeste a summary accounting on an annual basis of all monies received from also, it has been requested that any unexpended finis be returned as soon as possible upon the close of the grant year.

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

 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 University.

S/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

APPROVED:

Research Director Juniar, All 185 Chemical and Side

Attachment: Proposal & Budget

Distribution: Original Cnly - TSS/CD

3 61-55

.11

1 2502-10-001

26/18 Sel poped 81 55512.00 59 612.00
10 10 10 10 June 1 Let 6 (4childs) 39,075.00

8/18 June 1 5 Seb. 51 (4childs) 39,075.00

119

450

61-56

#### 22 June 1956

MEMORANDUM FOR: COMPTROLLER

ATTENTION

: Finance Division

SUBJECT

: MKULTRA, Subproject 61

Under the authority granted in the memorandum dated 13 April 1933 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda, Subproject 31 has been approved and \$58,612.00 of the ever-all MKULTRA project funds has been obligated to ever the subproject's expenses. This obligation of funds should be charged to Allotment 8-2592-10-001.

ħ

Acting Chief

TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

Original signed by

Research Director A

25 1956

Ate: 201956

Distribution: Orig & 2 - Addressee

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

TSS/CD 22 Jun 56)

**GILL** 

CERTIFY THAT FUNDS ARE AVAILABLE

AUTHORIZING OFFICER

inclesa esperante 61

BURNING:

## 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100

		2 -					
	Same	40	4				
1	6 km.	56	19.33	7.00	39,0	75.00	
1)	4/	57	39 07	5 00	7	9-	,
	- 1. XIII.	- 7		,-	· 120 m		
COLUMN DECEMBER OF	7 Oct	3./				00.00	
3	2800	157	50,00	dad.		<u></u>	
4	2. ac	158	58.4	59.00			
5	.11.au	959	58,4	19.00	-	-	
6	1.84	pho	60,70	77.36		1 11 12 10	
	- '	J.				at en en e	
1							
	**** ** ** *	- 20 1550 [28]	in been seen	e mast to			1,00
	Mary - 200 177 mm	بمارح إنميتهم رانها د	17 mm - 190 g				
1					1		
The same of the same of	a transferred to the	**************************************		a began a ton to			-
ì	1				- 1		
i . again and and	andictive w				and the second second		
					-		