

THE BLACK VAULT

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Project KANKAN, Subproject 100

Date Initiated: 1 December 1959

Date Expires: 30 Hovember 1961

Funds-current year: \$30,000

Purpose: To provide for investigations into soil microorganisms and methods by which remients information can be obtained from soil samples. To provide for enalysis of soil and other material related to the CN/DW activities detection program and evaluation and interpretation of the resultant data.

Status: This is a continuing project. The preliminary phases have been concleted. Data providing base line microbiological information for certain specific GI/EN activity situation has been obtained and is currently being evaluated. Base lines are being extended and enlarged to obtain greater depth to improve interpretation accuracy.



Date: 2 January 1964

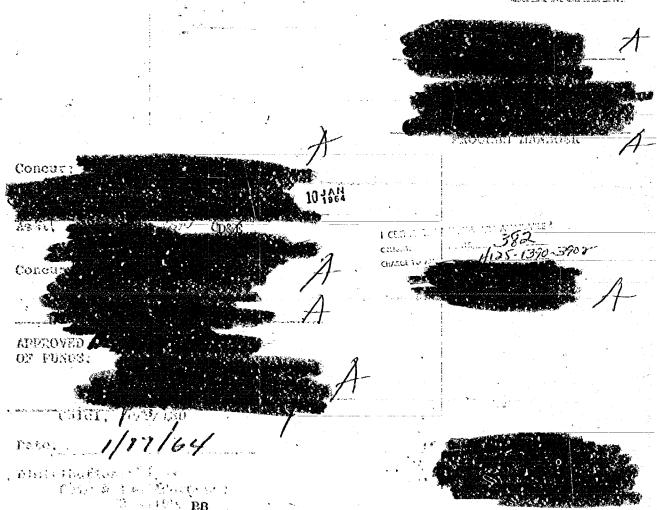
MEMORANDUM FOR :

C/TSD/FASS

SUBJECT

HKULTKA, Subproject Ro. 100

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 100 has been approved, and 49,201,40 of the over-all Project MAULTRA funds have been obligated to cover that subproject's expenses and should be charged to cost center 4125-1390-3902



DRAFT
2 January 1964

MEMORANDUM FOR : THE RECORD

SUBJECT

: MKULTRA, Subproject 100

investigations at the into soil microorganisms and methods by which maximum information could be obtained from samples of soil. This project is an important link in the entire problem of detection of CW activities in

is the principal investigator.

3. The cost of this program for the coming year is \$47,309.00. To this sum must be added \$1,892.40 representing a four per cent service charge to the making the total amount for one year \$49,201.40. The will function as cutout and cover for

this grant. The cover title of the project is

4. Total cost of the project for a period of one year will not exceed \$49,201.40. Charges should be made against



Allotment No. 4125-1390-3902.

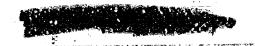
- B 5. The has requested the University to submit a summary accounting of monies received and to return any unexpended grant funds at the end of the project year.
- 6. It was mutually agreed that documentation and accounting-for-travel expenses which are reimbursable by the Universityshall conform with the accepted practices of that institution.
- 7. and his associates are cleared through SECRET and are aware of the true purpose of the program.
- 8. Title to any permenant equipment <u>purchased</u> by funds granted the University shall be retained by them in lieu of higher overhead rates.

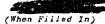
TSD/Biological Branch

Chief TSD/Biological Branch

Attachment:
Proposal & Budget

Distribution:
Original only





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(When Filled In)

No. 382

Cost Account 4725 - 1390 - 3902

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(When Fried in)

Receipt is hereby acknowledged of Check No. 0128281, dated 4 February 1964, B drawn on the payable to in the amount of \$1,892.40

Receipt is hereby acknowledged of Check No. 0128282, dated 4 February 1964, drawn on the payable to

in the amount of \$47,309.00

Date Seh 7, 1964

100°

B

October 15, 1964



Dear

Thank you for your letter notifying us that you have no accounting for the grant funds on period of January 1, 1963 through December 31, 1963. I am sending your request to our accounting office in order that they may provide you with these data as soon as it is convenient for them.

Very truly yours,



cc: Accounting Dept.

INY 4

B

Room 3

November 24, 1964

Subject: Research Grant for the

Dear All Control

B/c

under the 4 12/31/63.

Set forth below is a financial statement reflecting the activity for the period 1/1/63 through

Income

\$ 45,403.00

Expenditures:

Salaries	\$ 30,470.00
Wages	1,049.69
Other Expense	3,065.84
Equipment	741.39
Overhead (20% Direct Costs)	7,055,38
OANTHONA (MANAGEMENT)	

Unexpended Balance

\$.3,010.70

Very truly yours,

Assistant Director
Accounting Operations

December 14, 1965



We wish to request that the time poried of the great made to us for the year 1965 entitled to the cateful without additional runds for 18 months until December 7 31, 1966.

The resson for the entension is that the work on this project will be continued under different spectorchip and the amount of approximately 07500 remaining will be of significant belp to us to continue the program during the expected delay in processing the new proposal.

Stecoraly yours.





A c/758/BB, pent ey of this letter

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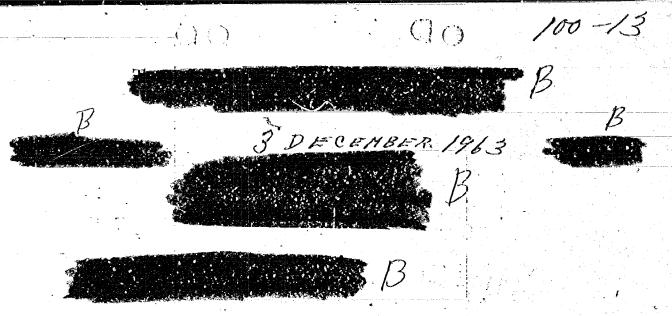
tions only.

from Hoo field

Room 3 April 22, 1966 Research Grant for the Sat forth below is a financial statement reflecting the activity under the Japuary 1, 1965, through becember 31, 1965; for the period Income \$138,230.00 Expenditures: Salaries **\$21,**365.60 Wages 3,365,28 Other Expense 3,864.63. 13,492.13 Equipment Overhead (20% of direct cost) 50,505.18 \$ 87,724.82 Previously Reported Expenditures for 1/1/63 - 12/31/64 80,580.78 Unexpended Balance at 12/31/65 7,144.04 A letter, dated April 12, 1966 from Secretary-Treasurer, requested a final accounting. The grant was extended without additional funds to December 31, 1966 per your letter dated April 13, 1966. A final accounting will be submitted at that time. If further information is needed, please advise. Very truly yours, Assistant Director Accounting Operations I certify that services are aterials have been satisfactorily received and the expenditures wore incurred on official buginess.

(When Filled In)

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Dear Sirs:

for one year to begin January 1, 1964, for support of our grant of our grant of our studies of our studies of of the direction of the our grant proposal of December 4, 1962.

We have included a proposed budget of \$47,309 to cover the period from January I, 1964 to December 31, 1964. This amount will support our present study on approximately 30 soil samples per mouth plus research on detection of soil cazymos. Overhead has been calculated at 20 per cost of direct costs. This budget has the approval of our

Sincercly yours,

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BUDGET JAN-37 MC 1964	

. (20% of salary) Mescarch Associate A Research Assistant Research Assistant Lesearch Assistant Technician Dishwasher		
Student help, wages	YUU Poolaranananananananananananananananananana	
Total salaries and wages		\$ 32,424
Replacement and repair of movable equipment Special modifications of sterilizing system to hundle new load requirements Supplies and materials Travel, telephone, publication and misc.	\$ 2,000 1,000 3,000 1,000	
Total other expense		7,060
Total Bire	et Costa	\$ 39,424
Indirect c	osts (20%	7,885
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DRAFT 14 December 1962

MEMORANDUM FOR : THE RECORD

INV 4

SUBJECT

MKULTRA, Subproject 100

1. The purpose of subproject 100 is to continue support investigations at the

into soil microorganisms and methods by which maximum information could be obtained from samples of soil. This project is an important link in the entire problem of detection of CW activities in

B will monitor this project. A is the C principal investigator.

3. The cost of this program for the coming year is \$45,403.00.

To this sum must be added \$1,816.12 representing a four per cent service charge to the making the total amount for one year \$47,219.12. The will function as secutout and cover for this grant. The cover title of the project is

4. Total cost of the project for a period of one year will not exceed \$47,219.12. Charges should be made against Allotment No. 3125-1390-3902.

100 -/6.

Date: 14 December 1962

MEMORANDUM FOR: C/TSD/FASS

SUBJECT

: MKULTRA, Subproject No. 100

Authorization # 84

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 100 has been approved, and \$47,219.12 of the over-all Project MKULTRA funds have been obligated to cover the subproject's expenses and should be charged to cost center 3125-1390-3902

Concurs

Asdt, Chief, ISD W

19 DEC

BB Cotigny

Concur:

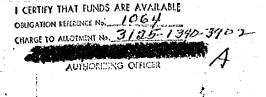
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APPROVED FOR OBLIGATION OF FUNDS:

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Dato: 26 DEC 1962

Distribution:
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RECEIPT

Receipt is hereby acknowledged of Check No. 196537, dated January 16, 1963, drawn on the

payable to in the amount of \$45,403.00.

B

Receipt is hereby acknowledged of Check No. R20C252, dated January 15, 1963, drawn on the

Payable to in the amount of \$1,816.12.

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Date Jan 22 1963.

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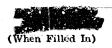


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R	EQUEST ING	OFF ICEF	?					. A	PPRGV	ED					CEIPT FO					
DATE	SIGNATUR	E .	•		DATE SIGNATURE OF APPROVING OFFICER						I acknowledge receipt of funds in the amount stated here under to be used for the purpose stated and accounted for as shown above.									
1 CERT I	FY FUNDS	ARE AVA	LABLE	·				100 mg	rog (ellinotalion), AC	/250	-	ATE			AMOUNT			
OBLIGATION REFER	ENCE NO .	CHARGE A	LLOTME	NT NO.		С	ERTI	FIED FO	R PAY	MENT OR	CREDIT									
		3127-1	<u> </u>	3902	DATE			AUTH	ORIZE	CERTIFY	ING OFF	ICER	√ s	GNATURE C	F ADVANCE	3.			9	
DATE	SIGNATUR	E			:				: •							<u> </u>				
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FORM 5-60 281 USE PREVIOUS EDITIONS.

(38-49)

TOTALS



No.

Cost Account 312

3125-1399-3902

1064

Object Class _

Date	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance
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20 /00

100-22

February 21, 1963

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Executive Secretary-Treasurer

00

Gentlemen:

The financial statement set forth below reflects the income received and costs incurred in connection with the

entitled for the period January 1, 1900 through December 31,

1952.

I. Total Grant Funds

a. Receivedb. To be Received (Fourth Quarterly payment 1961)

\$117,360.00 7,500.00 \$124,860.00

II. Less Expenditures

F . 1900.	na mana	1/1/60-	1/1/62-		
		12/31/61	12/31/62_	Total	
a.	Salaries	\$29,102.00_	\$17,025.00	\$ 46,127.00	
	Wages	6,836.70	5,209.90	12,046.60	
	Laboratory	24,567.55	432.85	25,000.40	
	Installation Equipment Supplies &	u 4,624.64 8,378.06	4,129.36 2,906.57	8,754.00 11,284.63	
	Materials Travel	947.11	742.83	1,689.94	
TOTAL	DIRECT COST	74,456.05	30,446.51	104,902.57	
OVERH	•	9,977.70	8,671.61_	18,649.31	
TOTAL		\$84,433.76	\$39,118.12	\$123,551.68	123,551.68

III. Balance

\$ 1,308.12

I have a mired and approved the submitted expension

Chief

TSS/Chomical Division

Date: 1/25/67

B

. "

- 2 -

February 21, 1963

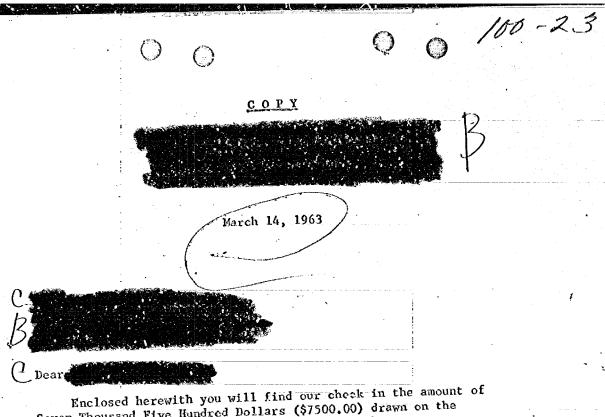
Overhead for the period January 1, 1960 through December 31, 1961 has been computed at 20% of \$49,838.51 (\$74,456.06 total direct cost less \$24,567.55, Laboratory Installation costs which are not subject to overhead). The overhead for the period January 1, 1962 through recember 31, 1962 has been computed at 39% of Salaries and Mages (\$22,234.90).

According to our records the fourth quarterly payment of \$7,500.00 for the year 1961 has not been received. Please advise.

Very truly yours,

Controller

{ ! ,



Seven Thousand Five Hundred Dollars (\$7500.00) drawn on the

This check represents the fourth quarterly payment of our research grant to for the study of effects of pesticides on biological activities in soil.

We are sincerely sorry for the oversight of not forwarding this theck when the same became due during 1961. We hope this has not caused you a great deal of inconvenience on your part.

Very truly yours,

Executive Secretary-Treasurer

Enclosure: check #298

COPY

March 19, 1963

B

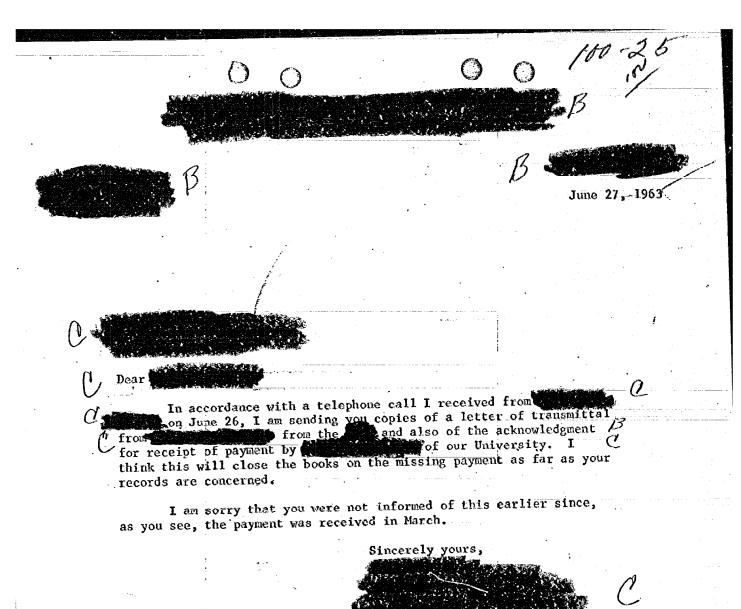
We greatly appreciate your continued interest in our program and your generous contribution.

Sincerely yours,

C Vice President & Treasurer

C

Dear T



c.c. 2 enclosures

REVISED

Date 5 September 1963

,	: : ::::::::::::::::::::::::::::::::::	TECH BW &	NICAL SURVEILLAN CW Site Detecti	CE on	_(Vc)
Branch	DD	Category	(former1	y Ib)	
Project Title_	Inve Soil	stigations of Ecology	Item Classification		and the street of the street o
			Crypto Classification_		ed
	•	·		No. of the Contract of the Con	
Branch Project	ct No		Project Engineer	Car Transcon	
Contractor	:				<u> </u>
Contract No	Sub	project 100	Task No.	N, A,	
Type of Cont	: :rae [‡]	D&E	Date Initiated	December 1959	and the second second of the second s
Cost\$4	17,219	0.12	Completion Date!	Continuing (re	newal Dec. 1962)
Purpose: Re	searc	ch and service f	acility for CW &	RS detection	program.

Current & satsifactory in all service & fiscal matters. Status:

Requirement: Memo from Assistant Director/OSI 29 June 1960 "Request for feasibility study on the collection and analysis of BW & CW agents". This memo requested a 5 year program.



31 December 1964

		•	Date_	z Jani	iary 190	3
Branch BB	Category_	TECHNI BW-CW RS Det	CAL SURVEILLANCE Site Detection ection	E .		
		144.				
Inve	stigations Ecology	of	Item Classification		Ν. Λ.	
Project Title		. <u> </u>				
Project Crypto	MKULTRA		Crypto Classification	Unc	lassifi	ed
			•			
Branch Project No.	N.A.		Project Engineer			
		na sa		•		
Contractor	A COLOR					
•	· .					
Contract No. Sub	project 100	- 1	Task No.	N.	Α.	· · · · · · · · · · · · · · · · · · ·
	•				-	
Type of Contract	D&E		Date Initiated 1	Janua	ry 1964	
			•			÷ ,
				•		

Purpose: Research and service facility for CW & RS detection program. Work to-date has demonstrated that the microbial flora of the soil responds characteristically to the deposition of small quantities of certain CW agents and rocket fuels and oxidizers. This years work should provide data on theoretical and practical limitations to this approach for gaining intelligence through the collection of samples. These should conclude the feasibility phase of study.

Completion Date

Status: Current and satisfactory in all service and fiscal matters.

FY 64

\$49,201,40

Requirement: Memo from Assistant Director/OSI 29 June 1960 "Request for feasibility study on the collection and analysis of BW & CW agents.

PROJECT CRYPTO

MKULTRA #100

GRANTEE

7/1

PRINCIPAL INVESTIGATOR ::

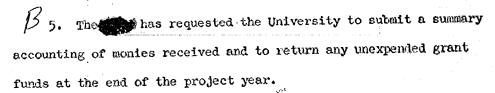
: 1 January 1964

DATE RENEWED

During the previous year this project provided for us a continuation of effort to derive information concerning CW and Recket Site activity from soil samples, based on the ecological effects of these chemicals on microbial populations. It was the first year which saw a definite, easily recognizable change in the biosphere of the soil related to a specific class of compounds.

Several thousand individual analyses were made by group on soil from five experimental plots. Concurrent with these routine analyses several new approaches were studied by one of these new concepts, a radical departure from our original approach, is believed to be a breakthrough for this program based on preliminary data. The approach depends on an inconcept which, if proved accurate, offers a much greater tool for deriving information from soil than we have ever had before.

We have one experiment underway which should conclude the necessary effort for establishing feasibility of the original approach. This experiment should be concluded by June 1964. Parallel to this and for the remainder of the contract year (Jan. 1 to Dec. 31, 1964) has Cagreed to pursue the concept.



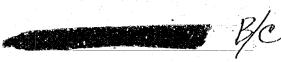
- 6. It was mutually agreed that documentation and accounting for travel expenses which are reimbursable by the University shall conform with the accepted practices of that institution.
- 7. The requirement for a six months' informal accounting on the part of the principal investigators is waived.
- 8. and his associates are cleared through SECRET and are aware of the true purpose of the program.

TSD/Atological Branch

Chief
TSD/Biological Branch

Attachment: Budget

Distribution:
Original only



Burget for January 1, 1963 to December 31, 1963

	(Aug of solety)	\$ 2,470	
	, Resporch Associate	7,056	
(/ *	Partition Research Assistant of	5,134	
	. Property designed	5,133	
	Unfilled, Labearch Applacent	5,104	
d 🧸	Wechnicker	3,648 2,639	
	The Surconnegues.	- 500 - 2,009	
	Sindeal help, vices	. ** - *-	
		建分配 有 东西公司的 "新国门的军场中	
	Total selectos ond veges		\$31,836
	A Compart of the Comp		
-		e e e e e e e e e e e e e e e e e e e	
		A 0 000	
	Replacement and repair of royable equipment	\$ 2,000 3,000	
•	Complies and metalitate	1,000	
1-,1	Travel, telabeco, publication & wine.	250.0	
		AND ALL THE SHEET WAS A	en e
- :	Yotal other expense	• .	6,000
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			A 647 C 53 C
	Foral Direct Costs		\$37,836
	A. 402		7,567
	Indirect costs (20%)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
			•
• .			Carter of the spin section on the Con-
			\$45,403
	Total		Carry Bulleria

160-29
B
November 4, 1964

C B

We would like to apply for a continuation of our grant for one year to begin January 1, 1965, for support of our studies on.

The studies are under the direction of and follow the objectives and methods as set forth in our grant proposal of December 4, 1962.

We have included a proposed budget of \$45,518 to cover the period from January 1, 1965 to December 31, 1965. This amount will support our present studies on detection of soil enzymes. Overhead has been calculated at 20 per cent of direct costs.

C

Encl.

Dear

100-29:

B/e

()

(20% of salary) Research Assistant Research Assistant (replacement), Research Assistant Technician Technician Dishwasher Student holp, wages	32,600 6,480 5,328 5,328 3,576 3,480 3,240 900	
Total salaries and wages		\$30,932
Replacement and repair of movable equipment Supplies and materials Trayal, telephone, publication and misc.	\$3,000 3,000 1,000	
Total other expense		7,000
Total Direct Costs		\$37,932
Indirect Costs (20%)		7,586
Total 100 Total		\$45,518

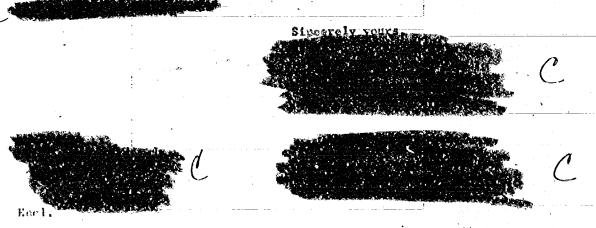
B # 369
1-23-63
1-23-63

Dear Sirs:

January 1, 1963, for support of our studies on the studies are under the direction of the studies are under the direction of the studies are designed to evaluate existing methods and to develop new methods for defining the numbers and biological activities of various accoments of the soil microbial population. These methods will be used in determining the immediate and long range effects on microbial populations of the various insecticides, herbicides and other poisons which may find their way into the soil.

The methods under study include the determination of total numbers of soil bacteria by both plating and microscopic methods as well as determinations of the relative numbers of Gram negative, spore-forwing, salt tolerant, nitrifying, denitrifying and nitrogen-fixing bacteria. The relative numbers of actinomycetes and fungi also are being evaluated. Mathods are being developed for ascertaining the overall dehydrogenase activity of the soil microflora. The activities of individual soil enzymes such as urease, phosphatase, etc., also are under investigation.

We have included a proposed budget of \$45,403 to cover the period from January 1, 1963 to December 31, 1963. This smount will support our present study on approximately 30 soil samples per month plus research on detection of soil enzymes. Overhead her been calculated at 20 per cent of direct costs. This figure has the approval of our





Budget for January 1, 1963 to December 31, 1963

: :

(20% of salary)	6 −2,400		
Fesearch Associate	7,056		
Research Assistant	5,184		
Research Assistant	5,184		
Unfilled, Research Assistant	5,184		
Technician	3,048		
Dishansher	2,880		
Student help, wages	900		
Segrette Herb's and an	the transfer of the same of th		
		A91 036	
Total salaries and wages		\$31,836	
		•	
Replacement and repair of movable equipmen	\$ 2,000		
Supplies and materials	3,000		
Travel, telephone, publication & wisc.	1,000		
	Section of the section		··-·
		6,000	
Total other expense		V 3000	
		ared required at 15th this state	
Total Direct Costs		\$37,836	
Fores bittere onerginal contraction	and and course a market of the		
Indirect costs (20%)		7,567	
THATTOR ARRES (m. 12)			•
		Street, reporting and report from the contract of	
	•		
Total		\$45,403	المراجعين والأراج والمناس ومراجعون
	and the state of t	• •	



November 6, 1961



Dear Dear

I am requesting the renewal of the grant on the effect of pesticides on biological activities in soil from the for the sum of \$41,360 to begin January 1, 1962 for one year.

The increase over last year is due to increasing expenses of personnel and a request from our business office to calculate indirect costs as 39% of salaries. This is the standard rate arrived at for research operations at during the last year.

The items in the proposed budget and the change in indirect costs have been discussed with your representative and are approved by him.

The increase in the salary item is already reflected in our present operation costs for this present year so that we will not have sufficient funds to meet our payroll for the last month of this year's sufficient funds to meet our payroll for the last month of this year's grant; that is, January 1962. Therefore, on the advice of your representative we are requesting renewal of the project as of January 1, 1962 instead of the project as of January 1, 1962. Any unexpended funds that are on the books as of January 1, 1962, will be duly reported by our business office. We understand that the amount will be subject to deduction from one of the payments made by the during the coming year.

If you have questions to direct to me, do not hestitate to call at

Sinceroly_yours,

Enclosure

No. 100 -32

300 WORD PROJECT SUMMARY

Date. December 16, 1959

Title of Project:

Ble

Name of Principal Investigator:

Institution to Which Principal Investigator is Attached:

SUMMARY OF PROPOSED PROJECT: (300 words or less-See Sec. XII, Par. 1., Statement of Policy)

The past twenty years has brought about at least a tea-fold increase in the sale and use of organic particides including insectivides, haxbicides and various fungicides, with new types being introduced each year. The wide-spread use of such chemical additives in soils raises several important questions.

- 1) Is there a tendency for certain of these compounds to accessiate in soil following repeated use year after year?
- 2) Do some organic compounds undergo degradation to products that may accumulate or reach a level that is physiologically active?
- 3) Is such an accumulation likely to have a tensurable effect on soil fertility or on crops grown on these sells?
- 4) If such as accumulation occurs, does it present a possible danger of transfer to actuals and reas?

The purpose of this investigation is to ettempt to get ensuers to these questions by examining the microflers and hielegical activities of soils with a history of treatment by various posticides versus control of untreuted soils. It is hoped that a series of sensitive markeys, either microbiological or biochemical, can be developed in order to help the possible accumulation of such residues.

During the initial year of this proposed research the principle objectives will be:

- 1) To determine entisfactory techniques for the bicohemical and microbiological examination of soils that have received organic chemical additives used in controlling insects, weeds, fungious other posts.
- 2) To determine the effects of the addition of specific posticides on the general biological activities in representative soils.
- 3) To determine the offect of sail microorganisms on organic posticides with particular attention to the possible accumulation of derivatives that may be texic to unimals and men.

Proposed Budgat' - Pasticide Project
January 1, 1962 to December 31, 1962

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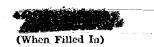
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Indirect	coats	***	39%	of	seleries	9,920

Eupplies and Materials 5000 Travel and Miscellaneous 1000

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No.		1012			
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Cost Account _3/35-/380-3802

Object Class

Date	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance
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(When Filled In)

7

23 November 1961

PERCENTURE FOR: The Completition

ARBEITOM Fincesa Division

: SHULWA, Sulproject to. 100 CARMELS

Union the collector granted in the memorendum detect 13 April 1953 from the BC to the LD/A, and the commended of this authority in subrequest and enough, Subgroupest 100 has been approved and 443,014.40 c? the our -all Lielent Hallet frame have been obligated to ecver the culturojout's express and should be charged to cost conten 2125-1390-3908 .

WID/Biological Pranch

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+ CERTIFY THAT POPOS AND ANAMASES. OBJECTION REPRESENTATION LEGISLATION AUDIORIZACIONA

Lieber anders

Original Grand - Altrosma

- TSD/FASS

2 - TSD/BB

December 12, 1961

B:

Gentlemen: .

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

Cashier's Check No. All2451 drawn on payable to payable to in the amount of \$41,360.00.

Check No. SE 3496 drawn on

Check No. SE 3495 drawn on payable to in the amount of \$1,654.40.

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

Yours truly,

Enclosures (2 checks)

1 December 1961

henovidui foa: Cadey, praiese division

VIA:

Too/Budget Officer

SCHEM:

MARIANA, Subproject 100, Invoice #3

Alicoment 2005-1300-3002

l. Invoice is covering the above subproject is attached. Toyont should be inde as follows:

Canting to egget in the emount of \$41,360.00 pamble

daubler's check in the grant of \$1,65%.kd payable

- e. Moreo forest the checks to Chick, 195/19, through Too/Aright Ciricar, no later than 8 leacator 1961.
- 3. This is a first invoice. Eurover, since it is enticiputed that ablitional funds will be obliquied for this project, the files cheeld not be closed.

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Obte."

Tag/Riolegical Lranch

invoces à Corbistantions

Materials long

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1 - TSO/FASS 2 - TSO/BS

DDP/TSD/D3/



INVOICE

For Services

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\$43,014.40

B

CERTIFICATIONS

(1) It is hereby certified that this is Invoice #3 applying to Sub-project No. 100 of MINTAA, that performance is entistactory, that services are being accomplished in accordance with mutual agreements, that a detailed agends of the payments and receipts is on file in TED/SD, that this bill is just and correct and that payment thereof has not yet been made.

Chief, Tab/Hological drouch

Date: 4 December 1961

(2) It is hereby certified that this invoice applies to Subproject 100 of MHULTRA which was duly approved, and that the project in being certical 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.

Reserven Director

Date:



Date: 23 November 1961

1 T.M. L. (Compensation

TESTED I

: Marmee Division

COUNTY :

: Managa, Schwojeck No. 100

Union the subbodity granted in the memoreneum deted 13 April 1953 from the BCI to the be/A, end the extension of this authority in subrequer's previous, Subgroject 100 has been approved and 343,014.40 Cf the over-all Excises Millian fracto have been obligated to cover the r dependent's explaces and should be changed to cost earter 2125-1390-3902

TSD/Medical Branch

KOPELLEGO FOR GLYSSER 1 OF MEILS:

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California de la Addresse e

1 - TSD/FASS

Je TSD/BB



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AND	Date 23 July 193	A CONTRACTOR OF THE PARTY OF TH
Branch Category	C., t. RS Detection	(a.200)
Investigations of Project Title Till cology	Item Classification 57. A.	•
Project Crypto	Crypto Classification linelascifi	ed .
Branch Project No.	Project Engineer	A 150
ontractor		C/B
Contract No. 2019 1990	Task No.	
ype of Contract	Date Initiated Dec. 129	
Cost : 3, 6 : 0	Completion Date Continuing	Alanaval Nov. 6
Purpose:	·	

Purpose:

Research & Service facility for CW & RS detection program.

Status: Carrent & satisfactory in service & fiscal matters.



DRAFT 28 November 1961

MEMORANDUM FOR THE RECORD

SUBJECT: MKULTRA, Subproject 100

investigations at the into soil microorganisms and methods by which maximum information could be obtained from samples of soil. This project is an important link in the entire problem of detection of the activities in

1. The purpose of subproject 100 is to continue support.

which will examine samples of soil and other material received in the BL detection program. These samples will be analyzed for the maximum microbiological information. This information will then be prepared in a report which will be of maximum benefit to the intelligence analysts.

B will monitor this project.

C and hre the principal investigators.

4. The cost of this program for the coming year is \$41,360.00. To this sum must be added \$1,654.40 representing a four per cent service

charge to the , making the total amount for one year \$43,014.40. The will function as cutout and cover for this grant. The cover title of the project is

B/c

- 5. Total cost of the project for a period of one year will not exceed \$43,014.40. Charges should be made against Allotment No. 2125-1390-3902.
- 8 6. The has requested the University to submit a summary accounting of monies received and to return any unexpended grant funds at the end of the project year.
- 7. 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.
- 8. The requirement for a six months' informal accounting on the part of the principal investigators is waived.

9. and his associates are cleared through SECRET and are aware of the true purpose of the program.

TSD/Biology Branch

APPROVED FOR OBLIGATION OF FUNDS:

Research Director	-
The second secon	

Date:

APPROVED:

Chief TSD/Biology Branch

Attachment: Proposed Budget

Distribution: Original only

Proposed Budget

-Salaries\$25,440
Rental of Equipment2,000
Supplies 3,000
Travel and Miscellaneous 1,000
31,440
Overhead (39% of salaries) 9,920
Total 41,360

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(When Filled In)

Cost Account 1125-1309-3902

Object Class

Date	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance
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7 Describer 1960

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MOLEN TATA

Pinance Division

SUMMOT

istumu, subproject 100

Under the authority granted in the resonants dated

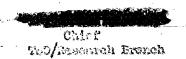
13 April 1953 from the MI to the DP/A, and the extension

of this authority in authority in authorization accounts, subproject 100

has been approved and \$31,000.00 of the over-all MIUMINA

project finals has been obligated to cover the subproject expenses.

This obligation of funds should be charged to Allotsont No. 1125
1300-3982.

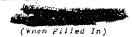


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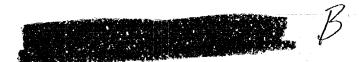
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FORM 10-59 606 USE PREVIOUS EDIT	ions. A	<u> </u>				<u> </u>				(10-49)

December 29, 1960



Centlemen:

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

B Cashier's Check No. 2-021054 drawn on the for \$30,000.00

Check No. 259048 drawn on the for

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

Yours truly,

Encl. (2) checks



19 December 1960

responded for creat, finance division

VIA

: 150/800gst Officer

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COLUM

: Kaluna, subproject 100, Invoice #2 Allowest 1125-1359-3902

1. Invoice is concring the above subproject is stinched. Payment product be ende so follows:

B to Consider to the commit of \$30,000.00 payable drawn on

B cochier's chook in the execute of \$1,500.60 payable to

2. Phase forward the cheeks to Chief, Westerch Branch, through Vest/Radget Officer, no later than 30 Recember 1960.

3. This is a final invoice. However, since it is anticipated that possitional family will be obliqued for this project, the files should not be closed.

Chief TOD/Nescarch Branch

Attachmenta: Involta & Certifications

Distribution:

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1 - TSD/FAS3

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0 100-46



MINORGE

For Services

\$31,200.00

GERTEFICATIONS

(1) It is hereby cortified that this is involce #2 analying to subproject Ho. 100 of hilling, that performance is satisfactory, that sarvices are being accomplished in accordance with nutual agreements, that a detailed agends of the payments and receipts is on file in Y80/20, that this bill is just and correct and that payment thereof has not yet been sade.

Chief, This/Research Branch

The state of the s

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(2) It is hereby contified that this invoice applies to Subproject 100 of NIMMA which was fully exercise, and that the project is being carried out in accordance with the mesoreoles of 13 April 1953 from the BOI to the BD/A, and the extrusion of this outhersty in subsequent memorania.

Research bizactor

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continuation

this is no dedeledies of a know project.

1. Purpose of Project:

Analysis of soil samples used in BW/CW detection.

C. Project Memicons

6

DHAFT 7 December 1960

MEMORANDIM FOR THE RECORD

SUBJECT: MKULTRA, Subproject 100

investigations at the into soil microorganisms and methods by which maximum information could be obtained from samples of soil. This project is an important link in the entire problem of detection of EW activities

1. The purpose of subproject 100 is to continue support

which will examine samples of soil and other material received in the BW detection program. These samples will be analyzed for the maximum microbiological information. This information will then be prepared in a report which will be of maximum benefit to the intelligence analysts.

will monitor this project. Two principal investigators, who have been cleared are actively conducting the work in the laboratory.

4. The cost of this program for the coming year is \$30,000.00.

To this sum must be added \$1,200.00 representing a four per cent service charge to the
making the total amount for one year \$31,200.00. The
will function as cutout and cover for this grant. The cover title



of the project is

5. Total cost of the project for a period of one year will not exceed \$31,200.00. Charges should be made against Allotment No. 1125-1309-3902.

B 6. The has requested the University to submit a summary accounting of monies received and to return any unexpended grant funds at the end of the project year.

- 7. Title to any permanent equipment purchased by funds granted the University shall be retained by them in lieu of higher overhead rates.
- 8. 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.
- 9. The requirement for a six months' informal accounting on the part of the principal investigators is valved.
- C. 10. and his associates are cleared through SECRET and are aware of the true purpose of the program.

APPROVED FOR OBLIGATION OF FUNDS:

93 P.

TSD/Research Branch

Rescarch Director

ate:

Attachment: Proposed budget

Distribution: Orig only



Proposed Budget

Salaries	17,000
Equipment	3,000
Supplies	1,000
Travel and Miscellaneous	2,500
Consultants' Fees	2,500
·	25,000
Overhead (20%)	
Total	



10 November 1960

THE RECORD MEMORANDUM FOR:

SUBJECT

Continuation of MKULTRA,

Subproject 100

The above project will expire officially on 8 December 1960. However, the progress of the project warrants the continuation of this program. Therefore, Subproject 100 is hereby extended for a period of two months from the date of expiration (1 February 1960). Funds are available within the project.

TSD/Research Branch

Distribution: Original only

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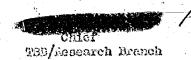
7 December 1960

COMPTROLLER LEMORALFILM FOR:

Finance Division KOITKIETTA

RECULTRA, Subproject 100 SUBJECT

Under the authority greated in the nemorandua dated 13 April 1953 from the DOI to the DD/A, and the extension of this cuthority in cubsequent memorenda, Subproject 100 has been approved and \$31,200.00 of the over-all MAULTAA project funds has been obligated to cover the subproject expenses. This obligation of funds should be charged to Allotment No. 1125-130)-3902.



APPROVED FOR OBLIGHTON OF FUEDS:

MUI ANDRO	Rosearch	Director	QLPE,

Date

Distribution:

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7 Dec 60 TSD/RB



Cost Account _0535- 1009. 4902

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Object Class __

Date	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance		
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7 December 1959 17-September 1957

MEMORANDUM FOR: COMPTROLLER

ATTUNTION

r Picageo Bivision

SUBJECT

: MKULTRA, Subproject 100

Vodor the authority granted in the memoranium dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memorands. Subproject 100 has been approved and \$55,640.60 of the ever-all MEULTRA project funds has been chilicated to cover the subproject expenses. This obligation of funds should be charged to Alletment 0525-1009-4902.

TS5/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

Datet

Distribution: Crin & 3 - Addresore

> 1 - TSS/OC TSS/FASB

2 - TSS/CD

(7 Dec. 59)

TSS/CD/

OUCHER NO. 7-12			***	DATE	2 • 6						VOUCHER	NO. 7-1:	2				
DESCRIPTION-ALL OTHER ACCOUNTS 13-33 34-39 STATION 28-33 CODE			40-42 EXPEND	PEND II	PAY REF.	REF. NO.	IG. 53	53 54-57 GENERAL	58-67 ALLOT. OR ACCT. N	COST	68.70 DUE DATE	71-80 AMOUNT					
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	HENOMANDINI DECELOT	
	MEMORANDUM RECEIPT	
то:	:	DATE
FROM:		
SUBJECT:		
I her	eby acknowledge receipt of the following:	
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· MK	Ultra Sut 100	
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	2, 110.00	
Please return	signed copy(ies) of this receipt	18/5 g
FORM NO. 759 REI	PLACES FORM 36-65 ICH MAY BE USED.	DATÉ RECEIVED (93)

18 December 1959



Gentlemen:

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

B Check \$244909 drawn on the for \$53,500.00.

Check \$171048 drawn on the

B for \$2,140.00.

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

Yours truly,

Enclosures: (2)

10 December 1959

MENGRANDOM POR: CINET, FINANCE PIVISION

VIA

: TSS/Dedget Officer

SUBJECT

: MRULTRA, Subproject 100, Invoice \$1. Alletment 0925-1999-4902

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

Carbier's check in the aracust of \$53,500.00 payable

Cachier's check to the amoset of \$2,110.00 payable to

- 2. Please forward the checks to Chici, TSS/Chemical Elvicien, through Tos/Ordget Officer, no later them Wednesday, 23 December 1937.
- 3. This is a final involve. However, since it is authorated that additional funds will be obligated for this project, the files thought not be closed.

Chief
ThS/Chemical Division

Attaçbaientsi Involva & Gerthicorious

Electrication: Original - Addressed

> 1 TSS/FASB 2 TSS/CD

T 53/CD.



INVOICE

For Services

\$55,640.00



CERTIFICATIONS

(i) It is hereby certified that this is invoice it applying to Subproject 100 of MKULTRA, that performance is satisfactory, that services are being accomplished in accordance with mutual egreements, that a detailed agenda of the payments and receipts is filed in TeS/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 100 under MKULTRA which was duly approved and that the project is being carried set in accordance with the memorandum dated 15 April 1953 from the DCI to the PD/A, and the extension of this authority in subsequent memoranda.

Research Director

Date:



DRAFT Treptember 1959 7 December 1959

MEMORANDUM FOR: THE RECORD

SUBJECT

: MKULTRA, Subproject 100

1. The purpose of subproject 100 is to support investiga-

maximum information could be obtained from samples of soil.

This project is an important link in the entire problem of detection of BW activities in

will organize a laboratory which will examine samples of soil and other material received in the BW detection program. These samples will be analyzed for the maximum microbiological information. This information will then be prepared in a report which will be of maximum benefit to the intelligence analysts.

will monitor this project. A principal investigator, who is now in the process of being cleared, will be appointed at a subsequent date.

4. The cost of this program for the first year is \$53,500.00.

To this sum must be added \$2,140.00 representing a four per cent service charge to the

making the total amount for one year \$55,640.00. The will function as cut out and cover for this grant. The cover title of the project is B/c

5. Total cost of the project for a period of one year will not exceed \$55,640.00. Charges should be made against Allotment No. 0525-1009-4902.

6. The has requested the University to submit a summary accounting of monies received and to return any unexpended grant funds at the end of the project year.

- 7. Title to any permanent equipment purchased by funds granted the University shall be retained by them in lieu of higher overhead rates.
- 8. 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.
- 9. The requirement for a six months' informal accounting on the part of the principal investigator is waived.



-3-

and his answereday

100-57

C 10.

is cleared through SELRET and is aware

of the true purpose of the program.

TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

APPROVED:

A Research Director

Chief

.

TSS/Chemical Division

Date:

12/8/59

Attachment:
Proposed budget

Distribution: Original only

PROPOSED BUDGET

Salaries	\$17,500
Equipment	4,500
Supplies	5,700
Special Culture Media	3,600
Clerical	750
Travel and Miscellaneous	1,500
Consultants' Fees	7,200
Purchase of Specialized Services	8,000 \$48,750
Overhead (20%)	4,750
TOI	AL \$53,500