<table>
<thead>
<tr>
<th>Act #1</th>
<th>Amount</th>
<th>Act #2</th>
<th>Amount</th>
<th>Act #3</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>240 Apr 1 May 57 Invoice 1</td>
<td>97,748</td>
<td>6/1/57 - 7/1/58 Act by Action 10/16</td>
<td>137,213.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Invoice 2</td>
<td>123,600</td>
<td>6/1/57 - 7/1/58 Act by Action 10/16</td>
<td>137,213.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Invoice 3</td>
<td>123,600</td>
<td>6/1/57 - 7/1/58 Act by Action 10/16</td>
<td>137,213.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Invoice 4</td>
<td>123,600</td>
<td>6/1/57 - 7/1/58 Act by Action 10/16</td>
<td>137,213.50</td>
<td></td>
<td></td>
</tr>
<tr>
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</tr>
</tbody>
</table>

H 760.0

1422.00

# 10492
CERTIFICATION

This is to certify that we have the final accounting for grants made to MLITRA Sub-Project 70. The accounting is being retained in TSD where it may be reviewed by the Certifying Officer upon request.

I further certify that satisfactory services have been received and that to the best of my knowledge the funds advanced for such services were expended for the purpose authorized by the project approval.

[Signature]

Chief Scientist, TSD
### Accounting by Individual for Advance

#### 1. Cash on Hand Beginning of Period

- Amount: $1,422.00

#### 2. Outstanding Advances Beginning of Period

<table>
<thead>
<tr>
<th>Voucher Number</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>700.9 25 770185</td>
<td></td>
<td></td>
</tr>
<tr>
<td>000070</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inv. 4 NOR-324</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 3. Receipts This Period

- Total Expenses: $1,422.00

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,422.00</td>
<td>See Attached Certification</td>
</tr>
</tbody>
</table>

#### 4. Total Accounted For

- Amount: $1,422.00

#### 5. Expenses This Period

- Amount: $1,422.00

#### 6. Refunded Herewith

<table>
<thead>
<tr>
<th>Method</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash</td>
<td>$1,422.00</td>
</tr>
<tr>
<td>Check</td>
<td></td>
</tr>
<tr>
<td>Money Order</td>
<td></td>
</tr>
</tbody>
</table>

#### 7. Outstanding Advances End of Period (Attach Listing)

#### 8. Cash on Hand End of Period or Balance Due Advance

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,422.00</td>
<td>See Attached Certification</td>
</tr>
</tbody>
</table>

#### Certification

- Submitted by:
- Date: 30 November 1961

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

- Signature of Approving Officer:
- Signature of Authorizing Officer:
- Signature of Certifying Officer:
- Signature of Payee:

**Space below for exclusive use of Office of Finance**

<table>
<thead>
<tr>
<th>Description</th>
<th>All Other Accounts 13-33</th>
<th>34-39</th>
<th>40-41</th>
<th>42-47</th>
<th>48-50</th>
<th>51-54</th>
<th>55-66</th>
<th>67-70</th>
<th>71-80</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Date Prepared by: [Signature]
- Date Reviewed by: [Signature]

**Secret**
CERTIFICATION

This is to certify that we have the final accounting for grants made to MGURA Sub-Project 70. The accounting is being retained in TSD where it may be reviewed by the Certifying Officer upon request.

I further certify that satisfactory services have been received and that to the best of my knowledge the funds advanced for such services were expanded for the purpose authorized by the project approval.

[Signature]

Chief Scientist, TSD
ACCOUNTING BY INDIVIDUAL FOR ADVANCE

NOTE: Follow Instructions on Reverse

1. CASH ON HAND BEGINNING OF PERIOD
   $1,422.00

2. OUTSTANDING ADVANCES BEGINNING OF PERIOD

3. RECEIPTS THIS PERIOD:
   RECEIPT NUMBER | DATE | DESCRIPTION
   760.0 25 770185 000070
   Inv. 4 NOR-814

4. TOTAL TO ACCOUNT FOR
   $1,422.00

5. EXPENSES THIS PERIOD:
   DESCRIPTION | AMOUNT
   See Attached Certification $1,422.00

6. TOTAL EXPENSES
   $1,422.00

7. OUTSTANDING ADVANCES END OF PERIOD (Attach Listing)

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

9. TOTAL ACCOUNTED FOR
   $1,422.00

I CERTIFY FUND ARE AVAILABLE

OBLIG. REF. NO. | CHARGE FUN ACCOUNT NO.
814

DATE

SIGNATURE OF APPROVING OFFICER

SIGNEE GOTTLEB D/T

DATE

SIGNATURE OF AUTHORIZING OFFICER

CERTIFIED FOR PAYMENT OR CREDIT

SIGNATURE OF PAYEE

SPACE BELOW FOR EXCLUSIVE USE OF OFFICE OF FINANCE

DESCRIPTION: ALL OTHER ACCOUNTS 13-35

DESCRIPTION:

DATE

PREPARED BY

DATE

REVIEWED BY

TOTALS

FORM 4-65 282 COMPLETE PREVIOUS EDITIONS (1-48)
11 June 1964

MEMORANDUM FOR: THE RECORD

SUBJECT: MULTRA Subprojects 70, 91, 94 and 135

Since the completion of the audit of Project MULTRA for the period 1 August 1960 through 31 January 1963, accounting have been received from the grantees in the amount of $93,677.50. This amount is part of the $153,117.93 balance to be accounted for by the grantees at the end of the audit period.

Subproject 70 incurred direct costs of $2,518.34 and $27,872.16 transferred from Subproject 94, for a total of $30,390.50. Subproject 94 incurred expenses of $71,324.67, but transferred $4,165.71 to Subproject 91 and $27,872.16 to Subproject 70, leaving a net cost of $39,667.00. It was decided to divert the funds for Subproject 135 to Subproject 91, therefore these costs were included in the accounting from Subproject 91.

Inasmuch as: 1) all four of the subprojects had the same basic research goal in mind, 2) the great length of time that has elapsed since the grants were made, and 3) the difficulty in getting accounting of any sort from the grantees, it is recommended that we facilitate this matter by accounting for the balances as shown in the Confidential Funds Division 760 account for these subprojects.

The above has been concurred in by and of the Audit Staff.

Chief Scientist, TSD
**ACCOUNTING BY INDIVIDUAL FOR ADVANCE**

**SUBMITTED BY**

**PERIOD OF ACCOUNTING**

**NOTE:** Follow instructions on reverse

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>VOUCHER NUMBER</th>
<th>DATE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1a.</td>
<td>CASH ON HAND BEGINNING OF PERIOD</td>
<td>$</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1b.</td>
<td>RECEIPT NUMBER</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>RECEIPT NUMBER</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>DATE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>DESCRIPTION</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>3 Nov</td>
<td>MXULTRA Advance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>1960</td>
<td>Invoice 14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DISBURSEMENTS**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>See Attached Certification</td>
<td>$30,390.50</td>
</tr>
</tbody>
</table>

**TOTAL EXPENSES**

| $30,390.50 |

**TOTAL TO ACCOUNT FOR**

| $30,390.50 |

**CERTIFY FUNDS ARE AVAILABLE**

**APPROVED**

**SIGNATURE OF APPROVING OFFICER**

**SIGNATURE OF AUTHORIZING OFFICER**

**DATE**

**19 Jun 1964**

**CERTIFIED FOR PAYMENT OR CREDIT**

**SIGNATURE OF CERTIFYING OFFICER**

**SPACE BELOW FOR EXCLUSIVE USE OF FINANCE DIVISION**

**DESCRIPTION - ALL OTHER ACCOUNTS**

<table>
<thead>
<tr>
<th>ACCOUNT CODE</th>
<th>AMOUNT</th>
</tr>
</thead>
</table>

**DESCRIPTION - ADVANCE ACCOUNTS**

<table>
<thead>
<tr>
<th>ACCOUNT CODE</th>
<th>AMOUNT</th>
</tr>
</thead>
</table>

**Voucher No. 7-12**

**TOTALS**

**Form 282 USE PREVIOUS EDITIONS**
RESEARCH ON SLEEP AND UNCONSCIOUSNESS (PROJECT 520 W)

October 1, 1960 To November 30, 1961

Grant Income

$30,390.50

Costs - October 1, 1960 To November 30, 1961

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>$1,580.25</td>
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<tr>
<td>Payroll Taxes and Insurance</td>
<td>61.77</td>
</tr>
<tr>
<td>Laboratory Supplies and Expense</td>
<td>409.47</td>
</tr>
<tr>
<td></td>
<td>2,050.59</td>
</tr>
<tr>
<td>Allocation of G and A Expense</td>
<td>467.75</td>
</tr>
<tr>
<td></td>
<td>2,518.34</td>
</tr>
<tr>
<td></td>
<td>27,872.16</td>
</tr>
</tbody>
</table>

Transfer of Costs from Project 510 W (\$)

27,872.16

Date: 3/2/64

I certify that charges or materials have been satisfactorily accounted for and expenditures were incurred in accordance with the project.
## CONFIDENTIAL FUNDS POSTING VOUCHER

<table>
<thead>
<tr>
<th>VOUCHER NO.</th>
<th>DATE</th>
<th>VOUCHER NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-12</td>
<td>2-6</td>
<td>7-12</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>DESCRIPTION- ALL OTHER ACCOUNTS 13-33</th>
<th>71-80</th>
<th>71-80</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESCRIPTION- ADVANCE ACCOUNTS 13-27</td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SUBPROJECT INV.4</th>
<th>71-80</th>
<th></th>
<th>71-80</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.11</td>
<td>814</td>
<td>601.0</td>
<td>10209-190275v</td>
</tr>
<tr>
<td>89.11</td>
<td>2768</td>
<td>601.0</td>
<td>10202-1000175v</td>
</tr>
<tr>
<td>89.11</td>
<td>571</td>
<td>601.0</td>
<td>10209-490275v</td>
</tr>
</tbody>
</table>

**MKULTRA**

**MKULTRA**

**EXPLANATION OF ENTRY**

SEE ATTACHED

**DATE** | **PREPARED BY** | **DATE** | **REVIEWED BY** | **CERTIFIED FOR PAYMENT OR CREDIT** | **SIGNATURE OF CERTIFYING OFFICER**
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>7/11/60</td>
<td>A</td>
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<td></td>
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</tbody>
</table>

**FORM**

10-59 606 USE PREVIOUS EDITIONS.
MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA TSD/Budget Officer

SUBJECT: MULTRA, Subproject No. 70 Invoice No. 4, Allotment 1125-1009-1902

1. Invoice No. 4 in the amount of $33,028.12 covering the above subproject is attached. However, due to refunds of $1,422.00 from other projects, the payment should be made as follows:

   Cashier's check in the amount of $30,390.50 drawn on a Federal Reserve, payable to __________

   Cashier's check in the amount of $1,215.62, drawn on a Federal Reserve, payable to __________

2. Please forward the checks to Chief, TSD/Research Branch, through TSD/Budget Officer, no later than Thursday, 17 November 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.

   Chief
   TSD/Research Branch

Attachments:
Invoice & Certifications

Distribution:
Orig & 2 - Addressee

1 - TSD/FASS

CHECK# 61567  AMOUNT OF $1,215.62
RECEIVED
CHECK# 61568  AMOUNT OF $30,390.50
RECEIVED

81/4
(3) It is hereby certified that the program under Subproject 72 has been satisfactorily completed and returned unused funds. However, Subproject 70, which is still continuing also refunded money which was left over at cutout from previous grant. Therefore, it is requested that the amounts as shown below on Invoice No. 4 of Subproject 70 be credited to the subprojects as shown below.

<table>
<thead>
<tr>
<th>Project</th>
<th>Amount</th>
<th>MOR</th>
<th>Allotment</th>
</tr>
</thead>
<tbody>
<tr>
<td>72</td>
<td>4972.00</td>
<td>2769</td>
<td>7-2502-10-001</td>
</tr>
<tr>
<td>70</td>
<td>450.00</td>
<td>571</td>
<td>0525-1009-4902</td>
</tr>
</tbody>
</table>

Chief, TSD/Research Branch

Date:

[Signature]

Research Director

Date:
INVOICE

For Services $31,606.12

CERTIFICATIONS

(1) It is hereby certified that this is Invoice No. 4 applying to Subproject 70 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 filed in TSD/KB, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSD/Research Branch

Date:

(2) It is hereby certified that this invoice applies to Subproject 70 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:
(3) It is hereby certified that the program under Subproject 72 has been satisfactorily completed and returned unused funds. However, Subproject 70, which is still continuing also refunded money which was left over at cutout from previous grants. Therefore, it is requested that the amounts as shown below on Invoice No. 4 of Subproject 70 be credited to the subprojects as shown below.

<table>
<thead>
<tr>
<th>Project</th>
<th>Amount</th>
<th>NC8</th>
<th>Allotment</th>
</tr>
</thead>
<tbody>
<tr>
<td>#72</td>
<td>$972.00</td>
<td>2768</td>
<td>7-2502-10-001</td>
</tr>
<tr>
<td>#70</td>
<td>450.00</td>
<td>571</td>
<td>0525-1009-4902</td>
</tr>
</tbody>
</table>

\[ \text{Total:} \$1,422.00 \]

Chief, TSD/Research Branch

Date:________________________

Research Director

Date:________________________
TO: TSS/OC

1. Date of Obligation:

2. Purpose of Project: To conduct research to define mechanisms involved in production of involuntary sleep and related unconscious states.

3. Progress to Date: Satisfactory

4. Expiration Date: 31 September 1961

5. Project Monitor:

FROM: TSS/\( \times \) RB

Room \( \times \times \times \) West Outbuilding, Ext. \( \times \times \) 119 2292

TOP SECRET
MEMORANDUM FOR: THE RECORD

SUBJECT: MKULTRA, Subproject No. 70

1. The purpose of this subproject is to provide funds for continuation of research on the "K" (unconsciousness producing) problem.

2. There exists within the Agency a continuing requirement for highly potent, quick-acting substances that will render an individual helpless and immobile, preferably in an unconscious state. It is anticipated that this program will provide fundamental information needed for solution of this problem. The scope of this research program is intended to cover investigations on the mechanisms in which certain drugs induce anesthesia or narcosis, elucidate the basic mechanisms of action involved and uncover and evaluate materials which have value because of their potency, physical characteristics, and biological activity.

3. While information and materials available to date are inadequate to satisfy Agency requirements, there are model compounds which, because of their potency, biological activity, or
chemical characteristics, permit a prediction that an adequate research program stands a good chance of developing an understanding of the mechanisms and should result in the development of a material suitable for operational use.

4. The ______ will serve as cut out and cover for this subproject. The necessary research and development will be conducted through ______ who will submit to the ______ a summary accounting of funds received from the foundation and will return any unused funds remaining at the conclusion of the program.

The estimated cost of the work for a period of one year is $31,812.50. To this sum must be added a four per cent service charge for the amounting to $1,272.48, making the total cost of this program $33,084.98.

5. Total cost of the project for one year will not exceed $33,084.98. Charges should be made against Allotment No. 1525-1009-1902.

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

7. Documentation and accounting for travel expenses which are reimbursable by ______ will conform to the ac-
cepted practices of that organization.

8. The requirement for a semi-annual informal accounting on the part of the investigator is waived.

9. All personnel connected with the planning and monitoring of results of this program possess TOP SECRET approval. The project is unclassified after it leaves the

Chief
TSD/Research Branch

APPROVED FOR OBLIGATION OF FUNDS:

Research Director

Attachment:
Proposed Budget

Distribution:
Original only
RESEARCH PROPOSAL

It is proposed to continue basic research on sleep and unconsciousness along the lines laid down by the Sponsor and his technical consultants. The principal investigator will exert his best efforts in conducting research to define the mechanisms underlying production of involuntary sleep and to differentiate the mechanisms involved in the production of this form of unconsciousness from other states of unconsciousness or related behavior. Because of the generally poor state of knowledge in this area of work and furthermore, because of the peculiar requirements of the Sponsor as distinguished from the usual medical requirements, it is understood that the major framework of the research design for this work will be provided by the Sponsor.

Reports will be rendered on progress of such studies and investigations as significant advances are accomplished.
# ESTIMATED BUDGET

## SALARIES:

<table>
<thead>
<tr>
<th>Position</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bio-Chemist</td>
<td>$10,000.00</td>
</tr>
<tr>
<td>Pharmacologist</td>
<td>$7,500.00</td>
</tr>
<tr>
<td>Animal Caretaker</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>OASI State-Unemployment Ins.</td>
<td>$1,850.00</td>
</tr>
</tbody>
</table>

## Supplies and Expendable Materials
- $2,000.00

## Animals and Feed
- $2,000.00

## Reproduction services
- $600.00

## Travel
- $500.00

**Sub-total** $25,450.00

## Overhead (25% of total)
- $6,362.50

**TOTAL** $31,812.50
Grant for: Neurophysiological Effects of Sedative Agents

Financial Statement
June 1, 1958 to July 1, 1959

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Funds received</td>
<td>25,422.00</td>
</tr>
<tr>
<td>Expenditures:</td>
<td></td>
</tr>
<tr>
<td>Wages &amp; salaries</td>
<td>19,800.00</td>
</tr>
<tr>
<td>Equipment</td>
<td>1,543.86</td>
</tr>
<tr>
<td>Supplies</td>
<td>1,048.61</td>
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<tr>
<td>Overhead</td>
<td>3,134.94</td>
</tr>
<tr>
<td>Total expenditures</td>
<td>25,527.41</td>
</tr>
<tr>
<td>Balance July 1, 1959 (Deficit)</td>
<td>($103.41)</td>
</tr>
</tbody>
</table>

Accountant: C

July 2, 1959

I have examined and approved the listed expenditures.

A
Grant for: Research on Sleep and Unconsciousness

Amount of Grant: $30,900.00

<table>
<thead>
<tr>
<th>Expenditures</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries and Wages</td>
<td>$12,824.60</td>
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<tr>
<td>Materials and Supplies</td>
<td>9,212.97</td>
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<td>Travel</td>
<td>753.92</td>
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<tr>
<td>Services</td>
<td>3,265.94</td>
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<tr>
<td>Social Sec., Ins, etc.</td>
<td>1,636.42</td>
</tr>
<tr>
<td>Overhead</td>
<td>3,206.15</td>
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</tbody>
</table>

30,900.00

Balance: $20,900.00

Accountant: A

Date: 7/7/80
<table>
<thead>
<tr>
<th>Date</th>
<th>Remarks and References</th>
<th>Obligations Incurred</th>
<th>Obligations Liquidated</th>
<th>Unliquidated Balance</th>
</tr>
</thead>
<tbody>
<tr>
<td>27 Oct 1980</td>
<td>Meeting Sub-10 Act #3</td>
<td>33044.98</td>
<td></td>
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<td>3 Nov 1980</td>
<td>Inv #1</td>
<td></td>
<td></td>
<td>33029.15</td>
</tr>
</tbody>
</table>
MEMORANDUM FOR: COMPTROLLER

ATTENTION: Finance Division

SUBJECT: MKULTRA, Subproject No. 70 Additional Authorization No. 3

Under the authority granted in the memorandum dated 13 April 1963 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda, Subproject 70 has been approved and $33,084.98 of the over-all MKULTRA project funds has been obligated to cover the subproject expenses.

This obligation of funds should be charged to Allotment 1529-1009-1902.

Chief
TSD/Research Branch

APPROVED FOR OBLIGATION OF FUNDS:

Research Director

Date: 14 Oct, '60

Distribution:

Orig. & 2 - Addressed
1 - TSD/OC
1 - TSD/FASS
2 - TSD/RB
TSD/RB/(14 Oct, '60)
27 January 1960

MEMORANDUM FOR: THE RECORD

SUBJECT: Action on MKULTRA Audit Exceptions - TSS/CD SP#70

The $450.00 balance, expenditure of which was unaccounted for in this folder, is being held in the account and will be returned.

Chief
TSS/Chemical Division

18 July 1960

Recent technical developments and the continuing availability of adequate research facilities, along with the increased pressure on the production of a practical end product related to this project, indicate that there will be a continuing and probably increased effort in this area. In view of this, it has been decided that the funds mentioned above will be retained for use in connection with the next re-financing of this project, rather than being carried over to some other subproject by the usual procedure. This project will, as presently scheduled, be refinanced on a continuing basis in October 1960.

Chief
TSD/Research Branch
MEMORANDUM FOR: THE RECORD

SUBJECT: MKULTRA No. 70

The following endorsed and cancelled checks (photostat copies) are applicable to MKULTRA No. 70. They are for salary expenditures on this subproject and are held in lieu of formal receipts which were not requested. The does not normally require receipts for salary checks which endorsed, cashed, or deposited constitute acknowledgment of payment.

<table>
<thead>
<tr>
<th>#</th>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC-1</td>
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<td>$1500</td>
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<tr>
<td>#105</td>
<td>Oct 1, 1957</td>
<td>$1500</td>
</tr>
<tr>
<td>#114</td>
<td>Jan 2, 1958</td>
<td>$1500</td>
</tr>
<tr>
<td>#122</td>
<td>Apr 1, 1958</td>
<td>$1500</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>$6000</td>
</tr>
</tbody>
</table>

Chief
TSS/Chemical Division

Distribution: Orig only.
September 30, 1959

Gentlemen:

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

Cashier's Check No. A80635 drawn on the for $30,900.00.

Treasurer's Check No. 242235 drawn on for $1,236.00.

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

Yours, truly,

Encl.
<table>
<thead>
<tr>
<th>Date</th>
<th>Remarks and References</th>
<th>Obligations Incurred</th>
<th>Obligations Liquidated</th>
<th>Unliquidated Balance</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 Sep 1999</td>
<td>1st. 11</td>
<td>39,000</td>
<td>37,360.00</td>
<td>32,461.00</td>
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<tr>
<td>25 Sep 1999</td>
<td>2nd. 21</td>
<td>1,326</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SECRET**
MEMORANDUM

FOR:

CHIEF, FINANCE DIVISION

VIA TS3/Badg Offic

SUBJECT: KULTRA, Subproject 70, Invoice #3

Allotment 0525-1009*4902

Payment #3 covering the above subproject is attached. Payment should be made as follows:

C&shler's check in the amount of $30,900.00,

July 10, 1959.

Please forward the checks to Chief, TS/Budget Office.

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

Distribution: ORIG.

DISTRIBUTION

TS3/Chemical Division

Attachment: Invoice & Certification

DATE: 23 September 1959
INVOICE

For Services $32,136.00

CERTIFICATIONS

(1) It is hereby certified that this Invoice #3 applying to Subproject 70 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 filed 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 70 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: __________________________
MEMORANDUM FOR: THE RECORD

SUBJECT: MKULTRA, Subproject 70

1. The purpose of this subproject is to provide funds for a continuation of research on the "K" (knock-out) problem.

2. There exists within the Agency a continuing requirement for highly potent, quick-acting substances that will render an individual helpless and immobile, preferably in an unconscious state. It is anticipated that this program will provide fundamental information needed for solution of this problem. The scope of this research program is intended to cover investigations on the manner in which certain drugs induce anesthesia or narcosis, elucidate the mechanism of action of such compounds and uncover and evaluate materials which have potential value because of their potency, physical characteristics, and biological activity.

3. While information and materials available to date are inadequate to satisfy Agency requirements, there are model compounds which, because of their potency, biological activity, or chemical characteristics, permit a prediction that an adequate research program stands a good chance of developing a material suitable for operational use.

4. The will serve as
cut out and cover for this subproject. The necessary research and
development will be conducted by [redacted] who will sub-
mit to the [redacted] a summary account-
ing of funds received from the foundation and will return any unused
funds remaining at the conclusion of the program. The estimated
cost of the work for a period of one year is $30,900.00. To this sum
must be added a four per cent service charge for the [redacted]
amounting to $1,236.00 making the total
cost of this program $32,136.00.

5. Total cost of the project for one year will not exceed
$32,136.00. Charges should be made against Allotment No. 0525-
1009-4902.

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

7. Documentation and accounting for travel expenses which
are reimbursable by [redacted] will conform to the accepted
practices of that organization.

8. The requirement for a semi-annual informal accounting on
the part of the principal investigator is waived.
9. All personnel connected with the planning and monitoring of results of this program possess TOP SECRET approval. The project is unclassified after it leaves the

APPROVED FOR OBLIGATION OF FUNDS:  

Research Director  

Chief TSS/Chemical Division  

Date: 9/21/59  

Attachment:  
Proposed Budget  

Distribution:  
Original only  

Downgraded to: CONFIDENTIAL by authority of:  

E2 MPDET; CL BY
## Proposed Budget

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>$22,500.00</td>
</tr>
<tr>
<td>Overhead (20% of salaries)</td>
<td>4,500.00</td>
</tr>
<tr>
<td>Supplies and materials</td>
<td>2,400.00</td>
</tr>
<tr>
<td>Services</td>
<td>1,000.00</td>
</tr>
<tr>
<td>Travel</td>
<td>500.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$30,900.00</strong></td>
</tr>
</tbody>
</table>
MEMORANDUM FOR: COMPTROLLER

ATTENTION: Finance Division

SUBJECT: MKULTRA, Subproject 70, Additional Authorization # 2

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 70 has been approved and $32,136.00 of the over-all MKULTRA project funds has been obligated to cover the subproject expenses. This obligation of funds should be charged to Allotment 0525-1009-4902.

TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

Research Director

Date:

Distribution:
Orig & 2 - Addresses

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

TSS/CD/(18Sept'59)
## Financial Statement
July 1, 1957 to June 30, 1958

### Funds received

### Expenditures:

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>$10,164.54</td>
</tr>
<tr>
<td>Animal Houses</td>
<td>$2,731.19</td>
</tr>
<tr>
<td>General Supplies</td>
<td>$567.88</td>
</tr>
<tr>
<td>Travel and Honorarium</td>
<td>$85.00</td>
</tr>
<tr>
<td>Overhead</td>
<td>$1,890.00</td>
</tr>
</tbody>
</table>

Total Expenditures: $15,438.61

Balance June 30, 1958 (Deficit): ($48.61)

June 23, 1959

Assistant Controller

I have examined and approved the submitted expenditures.

Chief
TSS/Chemical Division

Date: 7/1/59
MEMORANDUM FOR THE RECORD

SUBJECT: Request for Authorization of Change, MKULTRA #70


WARNING NOTICE
SENSITIVE INTELLIGENCE SOURCES AND METHODS INVOLVED
June 9, 1958

In view of the fact that the Foundation is moving from the first part of the coming year, and the resultant limitation of space and curtailment of activities, it is requested that authorization be given by you to the Foundation to have the second year of research activities on the part of be placed in an outside laboratory facility.

A letter from requesting the change is attached hereto for your perusal. There are no objections on the part of the Foundation to the change.

Kindly notify us at your earliest convenience of your decision.

Sincerely yours,

Executive Secretary - Treasurer
MEMORANDUM FOR: The Record

SUBJECT: Authorization for Facility Change, MKULTRA #70

1. By letter dated 5 June 1958 from [redacted], request was made for permission to use outside facilities to continue second year of research.

2. Verbal authorization for requested change in facility was granted 9 June 1958.
Dear Sirs:

As you know, the medical school is moving from one location to another in the early part of the coming year. On a phasing out schedule, many of the Departments, including Neurology, are to commence moving of facilities and personnel starting January 1959. You can not imagine the chaos and turmoil already in progress. For all intent and purpose, I would say that any productive work would not be forthcoming for the next two, if not three, years.

Since the completion of the new medical school is behind schedule, it would be difficult to predict when adequate space will be available for all the different departments. It has already been determined that doubling up of both research and clinic space will be the order of the day.

As an interim procedure, many of the research sections have looked to the use of outside laboratory facilities to fill the gap that will exist at school. The University recognizes the urgent need and necessity of outside facilities and will authorize the use of same.

In order to conduct my activities in a smooth and orderly fashion, I would like permission to place my second year of research in an outside laboratory facility, namely, __________. Preliminary discussions with the Dean of the Medical School show no objections on his part to the use of the facility.

If the relocation of the research project is acceptable, please notify me at the earliest opportunity. Your support has been greatly appreciated.

Yours truly,

[Signature]

Associate Clinical Professor
29 May 1959

Gentlemen:

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

Check #209-333085 drawn on ............................... for $25,422.00

Check #78 12465 drawn on ................................. for $945.24

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

Yours truly,

Encl.
MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA: TSS/Budget Officer

SUBJECT: NUDIRA, Subproject 70, Invoice #2
Allotment 7-2502-10-001

1. Invoice No. 2 covering the above subproject is attached.
   Payment should be made as follows:
   
   Cashier's check in the amount of $25,422.00, drawn on a bank, payable to
   _____________________________________________.
   
   Cashier's check in the amount of $945.24, drawn on a bank, payable to
   _____________________________________________.

2. Please forward the checks to Chief, TSS/Chemical Division, through TSS/Budget Officer, no later than Wednesday, 28 May 1958.

3. This invoice represents the total amount currently authorized under Subproject 70. However, since it is anticipated that additional funds will be obligated for this project, the file should not be closed.

TSS/Chemical Division

Attachments:
Invoice and Certifications

Distribution:
Orig 02 - Address
1 - TSS/FASD
2 - TSS/CD
CERTIFICATIONS

(1) It is hereby certified that this is Invoice #2 applying to Subproject #70 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 yet been made.

Chief, TSS/Chemical Division

Date:

(2) It is hereby certified that this invoice applies to Subproject #70 of MULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DD/I to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

Date:
28 August 1957

Gentlemen:

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

Check #65313 drawn on the 4 22.00
for $21,840.00 233,422.00

Check #2774 drawn on the 8 45.24
for $945.24 8 45.24

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

Yours truly,
This is to acknowledge the receipt of the following checks:

Check #65313 drawn on the [redacted] for $21,840.00

Check #42774 drawn on the [redacted] for $945.24

Your generous contributions are greatly appreciated. The funds will be utilized by our Board of Directors in furthering worthwhile research projects in the field of medical sciences.

Yours truly,
MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA: TSS/Budget Officer

SUBJECT: MKULTRA, Subproject 70, Invoice #1
Allotment 7-2502-10-001

1. Invoice #1 covering the above subproject is attached. Other invoices will follow. It is requested that payment be made as follows:

Cashier's check in the amount of $21,840.00 drawn on a National Bank payable to

Cashier's check in the amount of $945.24 drawn on a National Bank payable to

2. The check should be forwarded to Chief, TSS/Chemical Division, through TSS/Budget Officer, no later than Friday, 16 August 1957.

Attachment:
Invoice and Certifications

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

For services

$22,785.24

CERTIFICATIONS

(1) It is hereby certified that this is Invoice #1 applying to Subproject #70 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.

Acting Chief, TSS/Chemical Division

Date:

(2) It is hereby certified that this invoice applies to Subproject #70 of MKULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

Date:
MEMORANDUM FOR: THE RECORD

SUBJECT: Assignment of One IBM Electric Type-
writer to MKULTRA Subproject 70

1. One IBM electric typewriter, No. 151957 (reclaimed
from MKULTRA Subproject 57 upon its termination on 31 May,
1957) has been assigned for use to MKULTRA Subproject No. 70.

2. Receipt is hereby acknowledged of one typewriter (IBM
Electric) No. 151957 on 1 June 1957. The typewriter will be physically
located in the Branch II
TSS/Chemical Division

Distribution:
Orig & 2 - TSS/CD

TSS/CD: (4 June 1957)
<table>
<thead>
<tr>
<th>Date</th>
<th>Remarks and Replenishing</th>
<th>Authorization</th>
<th>Requisitions Issued</th>
<th>Calibrations Liquidated</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 Feb</td>
<td>Authorization</td>
<td>116-14-7</td>
<td>42.22.18</td>
<td>42.152.18</td>
</tr>
<tr>
<td>16 Mar</td>
<td>Sauce 1</td>
<td>3181.00</td>
<td>22.285.21</td>
<td>26.269.21</td>
</tr>
<tr>
<td>15 May</td>
<td>Sauce 2</td>
<td>763.21</td>
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<td></td>
</tr>
</tbody>
</table>
MEMORANDUM FOR: THE COMPTROLLER

ATTENTION: Finance Division

SUBJECT: MKULTRA Subproject 70

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 70 has been approved, and $491,122.48 of the over-all Project MKULTRA funds have been obligated to cover the subproject's expenses and should be charged to Allotment 7-2502-10-001.

SIDNEY GOTTLIEB
Chief
TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

[Signature]
Research Director

Date: MAY 31

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

TSS/CD: [Redacted] (1 May 1957)
1. The purpose of Subproject 70 is to initiate research work on the "K" (Knockout) Problem at the

2. The scope of the research program is outlined in the attached research proposal. There exists within the Agency a continuing requirement from the Operating Divisions for a substance or substances that will render an individual or animal helpless and immobile, either consciously or unconsciously, until definite control measures can be instituted. It is envisioned that this program will supply some of the answers so sorely needed.

3. It is expected that [person] will monitor and directly and actively participate in this project as principal investigator from the [organization], where arrangements have been made for his appointment as an

4. In view of the magnitude and scope of the project, it is felt that a two-year period is required for realization of some answers to this intricate and complex problem. Therefore, a two-year research proposal is attached. The cost of this program is estimated at $21,840.00 for the first year; $25,422.00 for the second year; for a total of $47,262.00. To this sum must be added $1,890.48 representing a four percent service charge to the making the total amount for two years $49,152.48. The Foundation will function as cutout and cover for this grant. The cover title of the project is [title] and is presumably being supported by a research grant from the Foundation.

5. The total cost of the project for a period of two years will not exceed $49,152.48. Charges should be made against Allotment 7-2502-10-001.
6. The Foundation 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.

10. is cleared through TOP SECRET and is aware of the true purposes of the program. Also, he has agreed to comply with the requirements of the Memorandum of Agreement.

Chief, Branch II
TSS/Chemical Division

APPROVED FOR OBLIGATION
OF FUNDS:

Research Director

Chief, TSS/Chemical Division

Date: 3/15/77

Attached:
Research proposal

Distribution:
Original only
THE "K" PROBLEM

There exists within the Agency a continuing requirement from the Operating Divisions for a substance or substances that will render an individual or animal helpless and immobile, either consciously or unconsciously, until definite control measures can be instituted. The instances and situations where such an advantage can be utilized are too numerous to be mentioned. Within TSS/CD this problem has been designated the "K" (Knockout) Problem.

From various sources (scientific literature, TSS/CD projects, etc.) numerous bits of disjointed information have been accumulated in this area. Many provocative suggestions were raised that warrant further investigation. To date, there are no active projects or individuals specifically established by TSS/CD for the investigation of this problem. Therefore, this project was designed for the purposes of centralizing all efforts in this field, consolidating the existing data, and initiating active research on some of the many existing provocative suggestions.

The project will be established within the...-B

Initially, the research activity will be divided as follows:

I. The Experimental Evaluation of Sedative Agents

A. Tick Paralysis

Certain species of ticks (genus Dermacentor) have been incriminated in a clinical syndrome commonly referred to as "tick paralysis". This syndrome occurs in both man and animals. It results from a tick bite, and is characterized by ascending flaccid paralysis of the musculature. Removal of the tick is usually followed by complete and rapid spontaneous recovery. The etiology of tick paralysis remains obscure. The disease is believed to result from the inoculation of some unidentified tick-generated, toxic substance which appears to be neurotropic.

As a by-product of Project Naomi, a sizeable amount of this neurotropic toxic substance is being isolated. The development and experimental evaluation of this substance as a sedative agent will be carried out within the scope of this "K" Problem project.
As a result of preliminary investigations carried out within MKULTRA Subproject 57 (terminated 31 May 1957), it was found that the parenteral administration of fatty acids induced a state of unconsciousness in small animals which when examined by electroencephalogram techniques turned out to be similar to ordinary sleep. The length of narcosis varied with the dose of the fatty acid administered. Of extreme interest is the fact that fatty acids, unlike other narcotic agents, are normal constituents of the diet and body tissues.

Investigation will be carried out on:

1. Mechanism of fatty acid narcosis,

2. Effective modes of administration other than parenteral, i.e., oral, respiratory,

3. Additional fatty acids - short or long chain, saturated and unsaturated.

C. Assay of New Sedative Agents

The methods usually employed for the assay of sedative drugs are not specifically directed toward the evaluation of sedative activity although all methods utilize one or another of the characteristics of "sleep" as the criterion of effect. In the absence of a pharmacological definition of sleep, evaluation of sedative action has been conducted at different levels of this state, ranging from sleep itself to hypnosis, and even to general anesthesia. It is apparent that the criteria or endpoints employed in such evaluations have either overshot the target of sedation or have not bracketed it adequately. This then leads to a state of general confusion in the evaluation of the newer sedative agents.

To utilize effectively the sedative agents available, both tested and untested, requires the development of a systematic method of testing and systematic method of characterizing the drug, both in terms of the symptomatology produced and in terms of describing potency in producing given effects by means of standardized and valid statistical procedures. An objective report will be designed that will attempt to standardize the reporting procedure for all TSS/CD research.
II. Incapacitating Agents

As a result of animal testing procedures, a number of centrally acting skeletal muscle relaxants have been found. Several are or have been evaluated clinically in man with varying results. Occasionally, clinical reports appear claiming that certain pharmacological agents that have minimal muscle relaxant effects in some experimental animal preparations produce dramatic relief of spasticity in man. Clinical impressions are the usual criteria of effectiveness.

There exists within the opportunity for clinical evaluations of some centrally acting skeletal muscle relaxants on the therapeutic relief of spasticity in man.
### First Year

<table>
<thead>
<tr>
<th>Position</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neurophysiologist (M.D.)</td>
<td>6,000.00</td>
</tr>
<tr>
<td>Research associate (Ph.D.)</td>
<td>4,000.00</td>
</tr>
<tr>
<td>Lab technician</td>
<td>3,000.00</td>
</tr>
<tr>
<td>Lab assistant and secretary</td>
<td>3,000.00</td>
</tr>
<tr>
<td>Equipment, apparatus</td>
<td>2,500.00</td>
</tr>
<tr>
<td>Supplies, expendables</td>
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<tr>
<td><strong>University overhead (14%)</strong></td>
<td>2,340.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$19,500.00</td>
</tr>
</tbody>
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### Second Year

<table>
<thead>
<tr>
<th>Position</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neurophysiologist (M.D.)</td>
<td>7,000.00</td>
</tr>
<tr>
<td>Research associate (Ph.D.)</td>
<td>4,500.00</td>
</tr>
<tr>
<td>Lab technician</td>
<td>3,300.00</td>
</tr>
<tr>
<td>Lab assistant and secretary</td>
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<tr>
<td>Equipment, apparatus, etc.</td>
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<tr>
<td>Supplies, expendables, animals</td>
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</tr>
<tr>
<td>Animal keeper</td>
<td>1,800.00</td>
</tr>
<tr>
<td><strong>University overhead (14%)</strong></td>
<td>3,122.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$22,300.00</td>
</tr>
</tbody>
</table>