

THE BLACK VAULT

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Purpose: To state and refine cortain concepts of personality structure which are basic to the indirect assessment program. Specifically, to relate certain concepts derived from the Wechsler to other behavior of a psychological and physiological nature (MKULTRA 77).

Initiated: Continuing. Latest obligation approved I December 1960.

Contractor: Dr.

as a grantee of the

Cost: \$25,000.00

Status: Continuing.



11 January 1962

HEMORAHDEN FOR: CITER, PIRALER MINISTON

VIA

Tim/Evidet Officer

SURJECT

: MANTERA, Subproject 77, Invoice #5 Allotment 2125-1320-3902

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

Cashier's Check in the captant of \$25,000.00 down

- 2. Please forward the check to C/TED, Research . Brench through TOD/Rullet Officer as seen as possible.
- 3. This is a final invoice. However, since it is enticipated that additional funds will be obligated for this project, the files should not be closed.

Chief TSD/Accourch Brench

Attackeent: Invoice & Certifications.

Distribution:

Orig & 2 - Addresses

/1 - TSD/FASS

2 - TSD/RB

1260 1125

1260 1125-1390-3902

ACHERING MINA

11 January 1962 TSD/FB/

CHECK IN THE AMOUNT DE B. 25,000.00 RECEIVED.

4/31/62



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No. 1224/1260-

Cost Account 2/25-1390-3903

Object Class

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



Date: 26 December 1961

MEMORANDUM FOR:	THE COMPTROLLER
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ATTENTION

: Finance Division

SUBJECT

: MKULTRA, Subproject 77

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 77 has been approved, and \$25,000.00
of the over-all Project MKULTRA funds have been obligated to cover the
subproject's expenses and should be charged to cost center 2125-1303-3902

Chief TSD/Research Branch

APPROVED FOR OBLIGATION OF FUNDS:

neighed stated by

Research Director

1 CERTIFY THAT TOPPS AND AND 1-4.

OBLIGATION EUROPEE No. 1224

Charge to another to 2125-1390-3902

AUTHORIZING OFFICER

Date:

Distribution:

Original & 2 - Addressee

1 - TSD/FASS

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INSTRUCTIONS

- 1. If funds, in the form of other than U.S. Dollars were on hand, received, or disbursed during the accounting period, all pertinent data, i.e., rate, method of acquisition, etc., must be shown. If advances have been made to third parties, enter the total of such advances outstanding at the beginning of the accounting period on line la.
- 2. If more space is required to explain receipts, prepare receipt form, number and attach hereto. In every case, completely identify the source of receipts.
- 3. Attach a voucher for each expenditure and assign a number thereto in numerical sequence. The voucher may be the receipt obtained from the payee. When a receipt is not obtained, prepare a certificate and attach as a voucher. When space on form is not sufficient to list all vouchers, prepare a listing on a separate sheet and enter the total under item 3. If advances to third parties are outstanding at the close of the accounting period, attach an itemized list and enter the total on line 3a.
- 4. Final credit will not be given for disbursements which are advances to be accounted for. When accounting for advances are obtained, list as expenditures or refund of cash, as appropriate.
- 5. Total receipts entered on the line "Total to Account For" must agree with the total disbursements entered on the line following "Total Accounted For."

April 10, 1963

Accounting of Jan. - Dec. 1962 Received from Expended: \$14,500.00 Services 12,452.00* Computer Expenses \$26,952.00 Total Expenses

This is a true statement of expenditures from monies received from t should be noted that other expenses incurred on the Fund were absorbed by the Frites

al Commuter costs

\$24,904.04 for the year - 50% applicable

INV 5

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

Dato: 1/26/63



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B-61 282 USE PREVIOUS EDITIONS.

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INSTRUCTIONS

- 1. If funds, in the form of other than U.S. Dollars were on hand, received, or disbursed during the accounting period, all pertinent data, i.e., rate, method of acquisition, etc., must be shown. If advances have been made to third parties, enter the total of such advances outstanding at the beginning of the accounting period on line la.
- 2. If more space is required to explain receipts, prepare receipt form, number and attach hereto. In every case, completely identify the source of receipts.
- 3. Attach a voucher for each expenditure and assign a number thereto in numerical sequence. The voucher may be the receipt obtained from the payee. When a receipt is not obtained, prepare a certificate and attach as a voucher. When space on form is not sufficient to list all vouchers, prepare a listing on a separate sheet and enter the total under item 3. If advances to third parties are outstanding at the close of the accounting period, attach an itemized list and enter the total on line 3a.
- 4. Final credit will not be given for disbursements which are advances to be accounted for. When accounting for advances are obtained, list as expenditures or refund of cash, as appropriate.
- 5. Total receipts entered on the line "Total to Account For" must agree with the total disbursements entered on the line following "Total Accounted For."

"pril 10, 1963

Accounting of

Jan. - Dec. 1961

Received from \$25,000.00

Expended:

Services \$ 14,000.00

Computer Expenses 12,101.62

Total Expended \$ 26,101.62

The above is a true statement of expenditures from monies received from the fund were absorbed that other expenses incurred on behalf of the Fund were absorbed

INV 4

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

Dates Tules

January 11, 1962

Dear Dr.

I am pleased to report that the Board of Directors has approved a grant in the amount of \$25,000,00 for your continued personality study

"Enclosed is our check for \$6,250,00 which represents the first quarterly payment. At your request future payments will be said to your account number at the

There are several conditions which apply to the utilization of these funds. A final report, as well as a terminal accounting, shall be submitted upon completion of the study. All funds are to be expended entirely for the research designated. Any unused funds shall be returned to

The Board of Directors and the scientific advisors to join me in wishing you well in this endoavor. Pleaso call upon us for any assistance that we may be able to provide.

Sincerely yours,



C

Enclosure

December 19, 1961



Dear

I am sure you will correctly anticipate that the purpose of this letter is to request formally that my relationship with the be continued for another year, as an extension of the arrangement currently in existence. While we have had occasion, alone or with others, to discuss a variety of topics my immediate and primary concern is for the

This is not the place for a detailed progress report. Briefly, I can characterize the past year as one of consolidation and preparation -- consolidation of the factor analysis projects initiated earlier, and preparation for future projects along other promising lines. The most tangible outcome of the recent effort is a group of ten computer programs for various phases of psychological (and other) data processing. A few technical papers have appeared or been newly written, and copies of these are here.

It is my plan to wrap up early in the coming year all of the factorial evidence relating to the Wechsler, including suggestions as to how this battery may be amplified, administered and scored to yield a maximum of reliable information. I also propose a high priority for the obtaining of useful cross-cultural data, such as the material from a Japanese standardization of the WAIS, and to investigation of methods for insuring accurate cross-cultural norming. Thirdly, I want to develop further the machine procedures for "syndrome analysis," which will make use of the Wechsler versus Myers-Eriggs data now accumulated. On a lower priority basis than the above, I would continue to try to involve other researchers in the interesting problems existing in this whole area of work.

I have agreed to furnish a specific summary accounting of this year's expenses by the end of <u>January</u>, 1962. On a cash basis I will probably appear to have underspent, but on an accrual basis I expect to be very close to the \$25,000 budgeted. Therefore, and in accordance with our conversations on this point, I propose the following budget for calendar 1962:

time (overall)		\$ 14,500
Office services, equipment,	supplies	2,000
Travel and related expenses		2,400
Computer rental Available to subsidize data	anlleation	4,000 1,500
Miscellaneous	COLLECTION	600
	Total	\$ 25,000

Sincerely yours,



Dale 23 July 1962

Branch EB Category E3	Eavior Prediction and Control (V)
Project Title Project	Item Classification Mona
Project Crypto 190011111A	Crypto Classification None
Branch Project No. 2-100	Project Engineer
Contractor	B
Contract No. MULTAN \$77	Task No. Kona
Type of Contract MINIM	Date Initiated January 1962
Cost \$25,000.00	Completion Date

Purpose: Theoretical and experimental approaches to the application of pulture recognition and other eccepater tased techniques to problems of hume, psychology are the chief interest in this project.

Status: A test progress for the eaching interpretation of Vechaler-Hellyve patterns has been written and come points of it are being wated. The work is on achadule.





RECEIPT

Receipt is hereby acknowledged of drawn on the dated January 2007 and drawn \$25,000.00, payable to the



23(L results 1962

exponenta roge catal, alterny plateich

VŽA

: Top/Dodget Officer

and lar

: MUSERA, Subproject 77, Invoice #5 Allocated 2125-1390-3902

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

Cardior's Check in the execut of (25,000.00) Crown on a B. Fayable to the B

- 2. Places forward the check to C/200, Research prouch through \$50/fedget Cifficer as soon as possible.
- 3. This is a final involve. However, since it is undicipated that additional finds will be obligated for this project, the files should not be closed.

Chief TSD/Research Branch

Attachment: Involce & Certifications

Distribution:

Cois & 2 - Addresses

1 - TED/FASS

2 - TSD/RB

11 January 1962 TSD/RB/

 \mathcal{L}





INVOICE

11 January 1962

For Services

\$25,000,00



CERTIFICATIONS

(1) It is hereby certified that this is invoice 5 applying to Sub-project No. 71 of MKULTRA, that performance is estimizatory, that services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSD/RB, that this bill is just and correct and that payment thereof has act yet been made.

Chief, TSD/Research Branch

Date:

(2) It is bereby certified that this lavoice applies to Subproject IT of MKULTRA which was duly approved, and that the project is being carried out to secondance with the memorandum of 13 April 1953 from the DD/A, and the extension of this authority to subsequent memorands.

Research Director

Trans.





26 December 1961

MEMORANDUM FOR: THE RECORD

SUBJECT : MKULTRA, Subproject 77

1. The purpose of this project is to provide funds to continue the research program conducted by Dr. The program is designed to specifically state and empirically refine certain concepts of personality structure which are basic to the TSD/RB indirect assessment program.

2. Dr. continues to spearhead an unusually productive research program. As an adjunct to his full time work on the development of indirect assessment techniques, he has undertaken two additional responsibilities: personal guidance of research program to relate somatotyping to personality characteristics (Subproject 134); and to consult systematically on a training program for case officers in psychological assessment techniques. A major portion of Dr. effort in the past year has been devoted to developing certain computer programs which can handle a wider range of personality data. Since these same computer techniques can be generalized to the broader problem of data analysis and retrival,



his efforts have excited the interest of other Agency components

has made substantial progress with his factor analysis of the WAIS to determine the nature of the approximately 17 factors involved, to establish the nature of the internal dependencies in Wechsler profiles across the factors, and to identify and construct performance tasks that will fill out the factor matrix to a total of 20 factors.

- 3. During the following year, Dr. plans to obtain the data necessary to fit the three remaining factors into the personality profile, and to develop some alternative measures of the factors which may be more easily obtained by the clandestine services. He will continue his collection of representative data from other cultures and to systematize his material for eventual book-length publication.
- hrough a direct grant to Dr. An annual accounting will be made to the Fund according to established procedures; and unexpended funds will be returned at the end of the year.
- 5. The cost of this project for a period of one year starting

 1 January 1962 is estimated to be \$25,000.00. Charges should be made

 against Allotment Number 2125-1390-3902. A copy of Dr

 budget, as given to the
- 6. Purchase of permanent equipment will be accomplished by prior arrangement with the Sponsor and the right to determine ultimate

retaining title is reserved to the Sponsor. In no case will

permanent equipment revert to personal ownership by

7. Dr is cleared through TOP SECRET and

is witting of Agency interest.



TSD/Research Branch

APPROVED FOR OBLIGATION OF FUNDS:



Date:

Distribution: Orig. only



Proposed Budget

	\$14,500.00	
Office services, equipment, supplies, etc.	2,000.00	
Travel	2,400.00	
Computer rental, etc.	4,000.00	<u>-</u>
Available to subsidize data collection	1,500.00	
Miscellaneous	600.00	
тотат	\$25,000.00	ext. andre



077-14

Date: 26 Daggraber 1961

MEMORANDUM FOR: THE COMPTROLLER

ATTENTION

: Finance Division

SUBJECT

: MKULTRA, Subproject 77

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 77 has been approved, and \$25,000.30 of the over-all Project MKULTRA funds have been obligated to cover the subproject's expenses and should be charged to cost center 2125-1392-1393.

Chief
TSD/Research Branch

APPROVED FOR OBLIGATION OF FUNDS:

Research Director

Date:

Distribution:

Original & 3 - Addressee

1 - TSD/FASS

2 - TSD/RB

RECEIPT

Receipt is hereby acknowledged of dated December 19, 1960, drawn on in the amount of

TO SECURIO PO () COMMENTE VERTO E POR MODE MAIL

Dec 5, 1961

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5 December 1960

MENORATORN FOR: CHIEF, FINANCE DIVISION

()

VIA

TOD/Budget Officer

SUBJECT

MKULERA, Subproject 77, Invoice #4 Allotment 1125-1390-3902

1. Invoice No. 4 is attached covering the above subproject. Fayment should be unde as follows:

Cashier's Check in the emount of \$25,000.00 drawn on poyable to the

- 2. Please forward the check to Chief, TSD/Research Branch through 930/Budget Officer by Friday, 16 December 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.

Chlef

TSD/Research Branch

Attachmont:

Invoice & Certifications BHEDK

RECEIVED.

Distribution:

vOrig & 2 - Addressee



0

No.		1071

Cost Account _1/25-1390 . 3902

Object Class

Date	Remarks and References	Obligations Incurred	Obligations Liquidated	Unliquidated Balance
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077-18

29 Rovember 1960

HENORVICAM FOR: CONTROLLER

MUTERATION

Firence Division

SUBJECT

WULLINA, Subproject No. 77

Authorization #4

Under the authority granted in the Memorandum dated

13 April 1953 from the DCI to the DD/A, and the extension of
this authority in subsequent memoranda, Subproject 77 has been
approved and \$25,000.00 of the over-all Project MULIMA funds
have been oblighted to cover the subproject's expenses and
should be charged to Allothent 1125-1009-1962.

Chief TED/Rescerch Branch

APPROVED FOR OBLIGATION OF FUEDS:

CHARGE TO ME AND MOST BYRO - 370

Research Director

Dates

Distribution: Orig & 2 - Addresses

> 1 - TSD/CC >1 - TSD/FASS

5 Decomber 1960

MAINTAIN FOR CHEEF, PHYSICS PIVISION

YIA

: 9.30/audget Officer

SURFACE

· Millian, Pubproject 77, Invoice (4 Alluteent 1125-1370-3002

1. Invoice No. 4 is attached covering the above subproject. Fagurat should be rade as follows:

Consider's Check in the excess of \$25,000.00 drawn on . payable to the

B

2. Places forward the check to Chief, Too/Lescarch Brench through Val/Sallet Cfficer by Friday, 16 focusion 1960.

3. This is a timal invoice. Univers, since it is naticipated that additional funds will be collected for this project, the files should not be closed.

Chief Ead/decearch Franch

Attachmati Invoice à Cartifications

Listribution: Orig & 2 - Aldresose CONTRACTOR TO LATE OVERLANDS CONTRACTOR 1135-1390-5484

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2 - T3D/FASB 2 - T3D/F3

TSO/RE (5 Fee 1960)

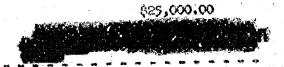
4





INVOICE

For services



CERTIFICATIONS

(1) It is beredy certified that this is Invoice No. 4 applying to Subproject No. 11 of PENNITAA, that performance is satisfactory, that 1 services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TED/RB, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TED/Research Branch

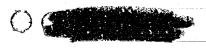
Date:

(2) It is hereby certified that this invoice applies to Subproject No. 77 of MANARA which was daly approved, and that the project is being carried out in accordance with the accordance of 13 April 1953 from the DCI to the DD/A, and the extension of this authority is subsequent memoranda.

Research Director

Datas





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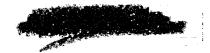
MEMORANDUM FOR: THE RECORD

SUBJECT

MKULTRA, Subproject 77

1. The purpose of this project is to provide funds to continue the research program conducted by Dr. The program is designed to specifically state and empirically refine certain concepts of personality structure which are basic to the TSD/RB indirect assessment program.

- year. In view of the progress he has made, he has elected to spend full time on the development of indirect assessment techniques. Specifically, during the next year he will further develop the following:
 - a. Continue to work on publishable reports of the various factor analyses that have been done or are in process, which serve to establish 17 to 20 factors operating within the WAIS and to shed light on their meanings and ways they might be measured either through performance or more fundamental (physiological) approaches. Possibly begin to develop systematically the relations between this material and Cattell's and Guilford's models.
 - b. Try to establish the nature of the internal dependencies in Wechsler profiles across the factors, which dependencies must exist if it has been possible to utilize profiles across just the 10 subtests with so much success.
 - c. Spell out the pattern of relationships which will predict the Myers-Briggs self-report scores from the 17-factor profiles. Item-analyze the MATT to see what further information it may contain that can be tied in with performance.
 - d. Begin the actual construction of an improved battery of tests.



- e. Continue to collect more representative data, both from the American and other cultures.
- f. Continue to collect and develop material that will lead to a more complete (book-length) statement of the whole approach.
- 3. The project will be funded through

 vill make a direct grant to

 project as his agent in the dispersal and accounting of the funds for his project. For the time being, he will work independently in

 This grant will include personal compensation for
- 4. Cost of the program is estimated to be \$25,000 for a period of one year starting 1 January 1961. Charges should be made against Allotment Number 1125-1009-1902. The projected budget is attached.
- 5. Funds will be accounted for on an annual basis to

 n accordance with standardized procedures. Unexpended funds will be returned at the close of the
 year.
- 6. Purchase of permanent equipment will be accomplished by prior arrangement with the Sponsor and the right to determine ultimate retaining title is reserved to the Sponsor. In no case will permanent equipment revert to personal ownership by Dr.



-..3.-.

7. Dr

s cleared through TOP SECRET and is witting

of Agency interest.

Chief

TSD/Research Branch

APPROVED FOR OBLIGATION OF FUNDS:

Research Director

Date:

2/1/60

M



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PROPOSED BUDGET

and the state of t

Office Services, equipment, supplies, etc.

Travel .

Computer rental, etc.

Available to subsidize data collection

Miscellaneous

\$14,000.00

3,000.00

2,400.00

2,000.00

3,000.00

600.00

TOTAL

\$25,000.00

DR

., 🐔

29 November 1960

MENORUMENT FOR: CONTROLLER

KITURTION

: Firence Division

SULTECT

MULTAN, Subproject No. 77 Authorization f4

Under the authority granted in the Masorendus dated

13 April 1953 from the DCI to the DD/A, and the extension of
this sutherity in subsequent mesorands, Subproject 77 has been
approved and \$25,000.00 of the over-all Project MAUGRA funds
have been obligated to cover the subproject's expenses and
should be charged to Allotsent 1125-1009-1902.

Chief TED/Recearch Branch

APPROVED FOR OBLIGATION OF FUEDS:

Research Director

Dates

Distribution: Orig & 2 - Addressee

I - TSD/CC

1 - TSD/FASS

2 - TSD/RB

TSD/RB/(29 Nov 60)



077-22

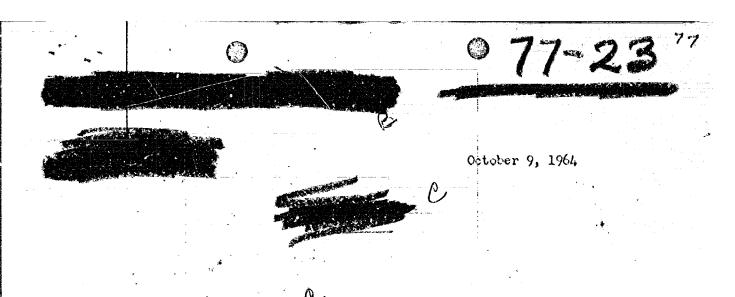
Analysis of Expenses From 10/1/59 through 6/30/61

Relations between Aptitude & Personality Traits

(Grant from

Description	<u>Total</u>
Deta Processing Services	\$ 2,605.43
Miscellaneous Supplies & Services	236.00
Postage	12.73
Printing	1,332.91
Professional Services - Other	152.24
Professional Services - Readers	1,000.00
Research Personnel Costs	16,133.31
Telephone	7.92
Test Development	65.55
Travel	1,262.00
Sub-total	\$22,838.09
Overhead	5,285.23
	\$28,123.32
Grand Total	20,000.00
Less Grant Contribution	\$ 8,123.32
	AND THE RESERVE AS A SECOND CONTRACT OF THE PARTY OF THE

INV 3



Dear Miss

Please crows the delay in our accounting for the grant of \$20,000 from the for studies of "Relations between approace and resonancy between the collection of data required a special search of the financial records of four years back, and thus took a little more time than I had anticipated when I wrote to you on September 1.

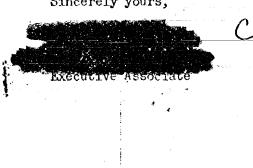
: Though the grant was for the period October 1, 1959 through December, 1960, in actual fact the work continued to June 30, 1961. The attached statement of expenditures reflects the research activity during this period. ____

You will see that total expense was \$28,123.22 against the \$20,000 grant, and that the contribution was therefore \$8,123.22.

I trust that this report may serve your needs, but if you would like further data or clarification would be happy to try to supply it.

With appreciation for your assistance,

Sincerely yours,



December 24, 1959

N

Dogr Mr.

i am placed to announce that our Board has favorably considered the extension of support for your research for an elditional 15 months beginning as of Catober 1, 1959. The first transmission of funds will be in the early part of January. The conditions originally stipulated in the utilization of these funds still hold.

We are particularly pleased to note that will itself be making a financial contribution to the continued work on this tesk.

Sincerely yours,

Constant

cc: Dr.

C

January 6, 1960



of \$5,000.00 representing the first payment on the grant made to your institution for the continuation of work under the direction of Tr.

Sincerely.

Assistant Treasurer

Enc.

RECEIPT

Receipt is hereby acknowledged of Cashier's Check No. DM51885, dated November 5, 1959, drawn on the amount of \$20,000.00 payable to the

November 15, 1959

, 44 B

77-26

November 17, 1969

MEMCEANDUM TO: The Directors

UNITECT: Continuation of Support

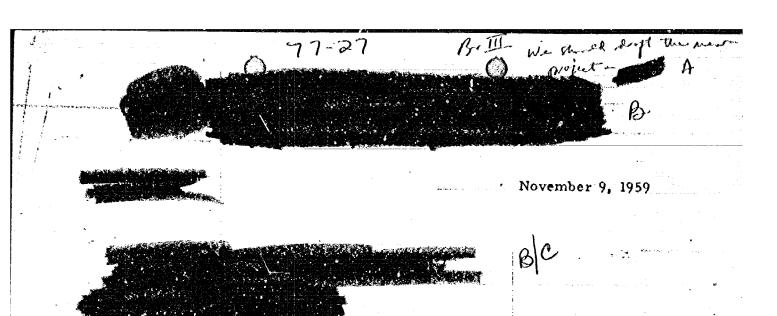
- Catopary A

The establed covering letter and brief report from provide a revearding natification that our work appears to be of such eignificance that Dis beginning to spend some of its hard carned revenue to jointly expect the effort. This in conjunction with what expects to be satisfactory progress on the task from our point of view leads to a recommendation that the support be suitained for at least another your as requested.

We are sending under separate cover copies of the products which have grown out of this project during the past year. It is my understanding that three or four allitional articles are in proposation at the present time.

Executive Secretary

Ener A



Dear Mr. 1

As I am sure you are aware, the

bas been supporting for not quite two years now

a shuly of the

with Dr

Principal investigator, the time has again arrived when we wish formally to request a further grant of \$20,000 from to help support this

to request a further grant of \$20,000 from to help support this work during the period from October 1, 1959 through December 31, 1960. In order to keep our request at the same level as in previous years, and not at the same time to unduly prolong the time-table for continuation of the study, has allocated \$8,000 of its own research funds to this study for the fiscal year 1959-60. We trust that you are as pleased as we have been by the progress of this study to date, and that you will be able to act favorably on our request for continued partial support.

In order that you and the members of your Board may be more fully informed regarding the progress and prospects of this study, Dr. has prepared the enclosed memorandum. I am sure he would be happy to elaborate upon any of the topics discussed therein if this should seem desirable.

We are, of course, pleased and grateful for the support that the Society has given to this project in the past and hope that its continuance will seem appropriate.

Sincerely yours,

Enclosure



An informal report on progress and prospects as of October 1959.



This study began with the idea that the concept of Sensation vs. Intuition as described by Jung and measured by the Myers-Briggs Type Indicator was essentially equivalent to the concept of Externalization vs. Internalization as described by and measured by the Digit Span subtest of the Wechsler intelligence tests. Some very limited evidence consistent with this hypothesis was included in the original research proposal, and some other parallel hypotheses were also put forward at that time.

The first year of work under our grant from the Society was spent doing a number of things, such as collecting data and examining it in relation to the original hypotheses. It turned out that the hypotheses could be supported if, but only if, one were careful to choose the right kinds of subjects; there were other very important aspects to the relations between Wechsler scores and Myers-Briggs scores. Thus, given two subjects with parallel Wechsler profiles, one could state with some confidence that they would have similar Myers-Briggs profiles. However, changing almost any of the Wechsler scores in relation to the profile would almost surely result in some change in the Myers-Briggs "type." It turned out, therefore, that the most important activity in the first year was that spent becoming more thoroughly familiar with s theory of personality and his use of the Wechsler to assess personality operationally. The major result emanating from this phase of activity is Research A Memorandum "An outline of personality theory as applied to the Wechsler: I."

One clear understanding provided by this work was that the Wechsler is not an ideal measuring instrument for the stheory because it does not contain enough different subtests. The profile of subtest scores that has been used is merely a ten-dimensional shadow cast by an appreciably more complex pattern of personality organization within any given individual. It may be possible to use this shadow to make deductions about the person who cast it primarily because of certain dynamic mechanisms that interrelate the known and the unknown aspects. However likely such deductions are to be properly made by good clinical psychologists, they are certainly beyond the ken of conventional statistical approaches.

A major goal for the second year of our work has been to understand as fully and empirically as possible what is measured by the Wechsler, and to try to pinpoint its shortcomings in relation to coverage of theory. Factor analysis has provided an approach to this problem, and nine different factor analyses relating to some form of the Wechsler have been carried to virtual completion at the present time. One of these has led to a published report, a second has been accepted for publication, and reports dealing with the remainder are expected to reach at least the stage of complete first draft by January 1960.

The first report

appeared in the issue

Its primary purposes, as a communication, were to contradict the prevailing view that the Wechsler measures only three "common" factors and to begin to re-establish an atmosphere in the literature that would be more favorably inclined toward pattern-analytic studies of the WAIS profile.

The second report, dealing with

has been accepted by the

its previous incarnation as Research Bulletin. Three factors were found to be involved in the items of this one subtest, and these factors were clearly those anticipated by Rapaport's classic discussion

of WB-I as a clinical instrument. While there have been several item analyses of items in the various forms of the Wechsler, and the results have contained evidence that should probably have been interpreted as implying multidimensionality even for individual subtests, no one has previously reported factor analyses of items in any of the scales. We have completed and are ready to write up two further such analyses. Six factors have been found in an analysis of Information and Arithmetic items, and seven factors have been found in an analysis of Similarities and Comprehension items. However, the sixteen factors found by factor analyzing items are not all different, there being abundant evidence that some of the factors appear in more than one subtest.

A third report, dealing with

Pleted as Pesearch Bulletin and will be submitted to the The major conclusions of this report are that Alpha Frequency in the EEG probably corresponds to Digit Span in the Wechsler, and that Alpha Index probably corresponds to Picture Completion. Using data collected subsequent to our re-analysis of Mundy-Castle we have been able to cross-validate the first of these conclusions, and to obtain evidence suggesting that the relationship is an even more general one between Digit Span and the dominant EEG frequency even when this frequency is well outside the limits normally used to define "alpha" frequency. (Because the sample used for cross-validation came from a mental hospital, these further results cannot be adequately reported without a prior or concurrent discussion of the effects of brain damage.)

has been com-

The implications of a chain of relationships bringing together a neurophysiological measure such as Alpha Frequency in the EEG, a performance-test measure such as Digit Span in the Wechsler, and a self-report inventory measure such as the Myers-Briggs, are substantial, and we hope to spend some of our effort in the coming year working them out and reporting them specifically. The "meaning" of the alpha rhythm has been well worked out, by others, in terms of a sub-cortically controlled master "excitability

Jung's "Sensation-Intuition," and Heymans and Wiersma's "Primary-Secondary."

This dimension, by whatever name, is emerging as perhaps the most important dimension in the whole theory of personality, in the sense that all other relationships may be subject to its influence. It is my hunch that its manifestations can be traced back even to the biochemical level of observation, and that at that level it will be tied in with the characteristic response of the adrenal gland to chronic environmental stress. Such a conception seems to be consistent with a fair body of hitherto unrelated literature, and with some very limited direct observation.

In any consideration of this area the question of anxiety and its measurement is bound to come up. Within the Wechsler, a relative deficit in Object Assembly performance is regarded as betraying a degree of anxiety. (Digit Span is also sometimes said to measure anxiety, but we would prefer, in keeping with the above, to put it that Digit Span says something very fundamental about how anxiety may be expressed.) Since our first factor study of the WAIS yielded evidence for the unique contribution of every subtest to the battery except Object Assembly, and since we did not want to throw OA out on these grounds without giving it a second chance, we developed and experimented with a new subtest called Sentence Arrangement. This new test was designed to measure the unique contribution of OA, but to correlate differently than OA with the remaining subtests. Evidence indicating the success of this venture is now written up in Research Even before this was completed, however, one of the three factors in Picture Completion had confirmed the reality of this dimension, which we like to refer to as the "effect of uncertainty."

In view of the sense of reward achieved instrumentally through the re-analysis of Mundy-Castle's data, we have been encouraged to pick up other data from the literature that seem to have been incompletely or improperly analyzed. Reports on four such studies now await write-up, using data originally gathered by Reitan, Davis, Witkin, and Birren. It is our plan to report the Reitan data separately, since it was not extensive

enough to yield more than seven factors in either a normal or a brain-damaged sample, but does afford an opportunity to discuss the effect of brain damage on both the Wechsler and Halstead batteries. Draind a former colleague of has agreed to collaborate in interpreting and reporting these results.

The remaining three factor analyses each bring the Wechsler battery together with an interesting and diverse array of other measures, and yield 11-12 factors. From the present perspective I do not see that any of these, can be reported first without extensive anticipation of the results of the others, and I therefore envisage a single report covering all three. While the report is not yet even drafted, it seems fair to expect that it will be possible to develop a framework of about 14 or 15 factors that can account for all of our results to date, and that may be regarded as the "real" structure whose "shadow" is presently obtained from the Wechsler. Furthermore, it seems likely that these factors can be conceptually organized in a manner that results essentially in both simplification and over-determination of these purposes would complete a major phase of research.

Assuming all this works out in the manner just indicated, our study will have reached an important crossroads, from which there is more than one way to continue. One major alternative is to get started on the building of a test battery designed for the most efficient and reliable measurement of all these factors, and at the same time making as much use of group testing as validity will permit. It is well equipped to follow this line, and I believe enough effort should be put into it to try to insure the completion of material for an experimental battery by the end of 1960. This would look towards experimental administration of the material in the spring of 1961, completion of the battery by the end of 1961, and final standardization in 1962.

The second major alternative is to continue the exploration of implications, which by now are appearing at various levels of measurement

ranging from biochemical through self-report. In addition to reporting on the vicissitudes of the one variable so far studied across levels, we should be considering its further vicissitudes in the realm of observer-ratings, for example, and should be beginning to trace the manifestations and interactions of some of the others of the 14-15 dimensions now isolated. All this is the stuff of which future applications are likely to be made, and I would be dismayed to see any substantial cutting back of activity in this area simply to facilitate current test-construction activity.

However, in view of fillingness to contribute some funds to this whole study, if swilling to continue its support at the same annual rate as for the past two years this should result in substantial further progress along both lines of investigation by the end of 1960.

October 29, 1959

178

November 3, 1959



Thank you very such for your final accounting for period ending September 30, 1959 contained in your letter of October 26th.

As to the problem of the \$208.00 remaining from your previous grants, it is suggested that you hold this sum for the present time.

Sincerely.

Assistant Treasurer



28 October 1959

HEMORNOAM FOR: CHIEF, FIFANCA DIVISION

VIA

: 235/Dusget Officer

SUPJECT

: MAURIM, Subproject 71, Invoice \$3 - Allowerst 0525-1007-1502

1. Invoice No. 3 to attached asvering the above subproject. Paysent should be used as follows:

Cashier's Check in the ascent of \$20,000.00 draws on

2. Flease forward the check to Chief, 193/Chemical Divictor through 193/Bedjet Officer by Kodessay, 11 Reventor 1959.

3. This is a fimul invoice. Exercise, since it is enticipated that additional forces will be obliqued for this project, the files about not be chosed.

Acting Color
COCCentral Division

Attochesut: Invoice & Certifications

Distribution

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1 - TSS/FASB

2 - TSS/CD

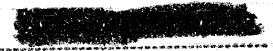
TSS/CD/ (28 Oct 59)

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For services

\$20,000.00



CENTIFICATION

(1) It is hereby certified that this is Invoice No. 3 applying to Subproject No. 77 of AKULHAA, that performance is satisfactory, that services are being accomplished in accordance with certual agreements, that a detailed agenda of the payments and receipts is on file in NOS/CD, that this bill is just and correct and that payment thereof has not yet been myde.

Chief, 985/Chemical Division

Date:

(2) It is hereby certified that this invoice applies to Subproject No. 77 of NEULICA which was duly approved, and that the project is being carried out in accordance with the memorandum of 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

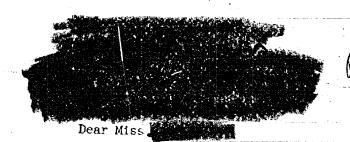
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October 26, 1959



Here are the final figures through September 30, 1959, regarding charges we have made against the grants from the Society:

	10/1/57 - 9/30/58	10/1/58 - 9/30/59
Employee costs Other direct charges	\$ 6,235	\$ 6,163
Indirect charges and	3,298	10,896
overhead -	7,841	5,359 13 200
TOTAL	\$17,374	\$22,418

The meaning of these categories is the same as in my last letter.

You will note that the grand total for two years is \$208 less than the sum of the two grants. In view of the facts that (1) the project is continuing, (2) the grants were for periods of approximately one year each (as I understand it), and (3) we will soon be submitting a proposal requesting even more money, I assume we won't need to mail you a check. But we can if you would like.



I have examined and approved the submitted expenditures.



TSS/Chemical Division

Pato: 2 Nov. 159

77-32

September 17, 1959



Dear ir.

I trust you had a pleasant vacation and didn't work too hard. We are still writing for your new projects. However, that is not the curpose of this letter.

We are in most of an accounting from your organization of the funds expended for the first year's grant which run from October 1957 to October 1958 and then we would appreciate receiving shortly after the close of Toctober an accounting for the second year. October 1958 to October 1959.

Thank you for your cooperation in this matter.

Sincerely.

Assistant Treasurer

DRAFT 6 August 1939

MEMORANDUM FOR: THE RECORD

TSS/CD indirect assessment program.

SUBJECT

Continuation of MKULTRA, Subproject 77

1. The purpose of Project MKULTRA, Subproject 77 is to

of the

The program is designed to specifically state and empirically refine certain concepts of personality structure which are basic to the

tributed five reports on various aspects of the project. The aspect of the project having to do with comparing the two personality theories is essentially complete. The second stage of the overall plan is now underway. This includes the highly complex and extremely important process of developing the new testing materials. This research program is considered the core of the indirect assessment program.

3. The project will be funded through.

for security and cover purposes
and the funds expended will be accounted for by the

directly to for an annual

basis in accordance with Society procedures. Any unexpended funds will be returned at the conclusion of the program. It is not anticipated that any permanent equipment will be required for the project.

4. The total cost of this project for a period of one year is estimated not to exceed \$20,000.00. Charges should be made against Allotment 0525-1009-4902.

true sponsorship of he Director of h

and the same of th

TSS/Chemical Division

APPROVED FOR CHLIGATION OF FUNDS:

f f

Research Director

Date; 8 12/59

Distribution: Original only

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BUCKET

Total___ \$20,000



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Cost Account 0525-1009-490 2

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VIA

1 173 Audiet Officer

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: PERKIPA, Subproject 77, Invoice §3 Allotent 0525-1005-4002

1. Envoice No. 3 is attached covering the above subproject. Payment should be made so follows:

Cachier's Chack in the assemt of \$20,000.00 draws on payable to the

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2. Please forward the energy to Chief, 488/Chemical Division through 583/Endget Cificar by Wednesday, 11 November 1959.

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

Acting Chief TYS/Chemical Division

Attachment: Invoice & Cortifications

Pictribution Orig & 2 - Addressee

1 - TSS/FASB

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AUTHORIZING OFFICER

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: Pinonce Division

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Tas/CD/ (6 Aug. 59)



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July 1, 1959

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Pear lir.

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Enclosed please find _______ erack in the amount of \$5,000.00 which represents the fourth quarterly payment of the grant and to your organization for work on.

directed by Rr.

Sincerely,

C

Assistant Treasurer

Inclosure

December 4, 1958

BC

Dear Er.

13

Enclosed please find check in the amount of \$5,000.00 which represents the first quarterly payment of the grant made to your organization for work.

A directed by Dr.

We are sorry for the dolay in the transmittal of funds. The ascend payment will be forwarded on or about the first of January 1959.

Sincerely.

Executive Georetary

Enc.

,

77-38

January 9, 1959

Ble

Ferri Sr.

B

Enclosed please find the check in the arount of \$5,000.00 which represents the become quarterly payment of the grant cade to your organization for work.

directed by far.

Sincerely,

Executive Secretary

Enc.

77-39

RECEIPT

Receipt is hereby acknowledged for Official Check No. 209-346399, dated October 10, 1958, drawn on the in the amount of \$20,000.00, payable to the

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Date: 10-17-38

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Z3 September 1958

MEMORANDUM FOR: COMPTROLLER

ATTENTION

Finance Division

SUBJECT

: MKULTRA, Subproject No. 77

A

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 77 has been
approved and \$20,000.00 of the over-all Project MKULTRA funds
have been obligated to cover the subproject's expenses and
should be charged to Alletment 9-2502-35-902.



TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

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Data

CHARGE TO CHARCE
Distribution:
Orig & 2 - Addressee

1 - TSS/FASB

AUTHURIZING OFFICER



2 October 1958

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA

TSS/Budget Officer

SUBJECT

: MKULTRA, Subproject 77, Invoice \$2, Allotment 9-2502-75-902

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

Cashler's check in the amount of \$20,000.00, drawn on and made nayable to

2. Please forward the check to Chief. TSS/Chemical Division through TSS/Eudget Officer by Thursday, 16 October 1958.

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

Chief
TSS/Chemical Livision

Attachments:
Invoice & Certifications

Distribution:

Orig & 2 - Addressee

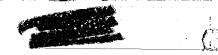
CHECK 24.3/1399 - REDER & AMOUNT





100. 414 000774 6101 2502.78.102 11 2 20,000,0

20,000,00



INVOICE

For services

\$20,000.00



CERTIFICATIONS

(1) It is hereby certified that this is Invoice #2 applying to Subproject 77 of MKULTRA, that performance is satisfactory, that services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSS/Chemical Division

Date:

(2) It is hereby certified that this invoice applies to Subproject 77 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:



77-42

23 September 1958

MEMORANDUM FOR: COMPTROLLER

ATTENTION

: Finance Division

SUBJECT

: MKULTRA, Subproject No. 77

auth 121

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 77 has been approved and \$20,000.00 of the over-all Project MKULTRA funds have been obligated to vover the subproject's expenses and should be charged to Allotment 9-2502-15-902.



Approved for Obligation of Funds:

Research Director

Date:

Distribution:

Orig & 2 - Addressee

1 - TSS/OC

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2 - TSS/CD

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DRAFT 26 September 1958

MEMORANDUM FOR: THE RECORD

SUBJECT

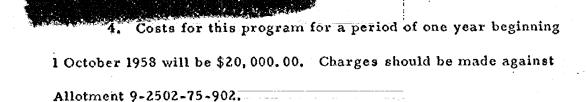
: MKULTRA, Subproject No. 77

1. The purpose of this project is to provide funds to continue the research program conducted by Dr. at C.

The program is designed to specifically state and empirically refine certain concepts of personality structure which are basic to the TSS/CD indirect assessment program.

- 2. Dr. has submitted the attached progress report and proposal for extension of the work during the coming year.

 In addition he has submitted a first draft of a precise restatement
 of the personality descriptive system on which the indirect assessment program is based.
- 3. The project will be funded through





5. Funds will be accounted for on an annual basis to the in accordance with standardized procedures. Unexpended funds will be returned at the close of the year. 6. It is not anticipated that any permanent equipment will be purchased with these funds. cleared through TOP SECRET and witting of Agency interest. TSS/Chemical Division Approved for Obligation of Funds:

Distribution:
Original only

Proposal & Progress Rpt.

Attached:

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August 22, 1958

Thomas Kal

At about this time one year ago, the threate in initial grant of (20,000 to to support as investigation of the ...

this Lolly will have been spent, and formally to request a continuation grant of \$20,000 ior amport of this work during the period from October 1550 through September 1550. We are looking forward to your favorable action on this request. In sig event, we are planning to furnish a detailed accounting of the initial grant, which is due to expire on September 30, on or about October 31, 1558.

The following natural should be read in conjunction with our original proposal; a copy of which is enclosed.

The various estivities that have been earried out as a part of this project can be summarised under five headings, as below. Detailed technical reports on the various phases of the project are bring proposed and will be issued whenever self-sufficient espects of the work have received suitable stages of development. Units we feel as have accomplished considerable evidence to support the basis hypothesis of this investigation, it has not yet been possible to organize this evidence in a manner that would not raise nore concreasing questions than it assuers. However, it is our current expectation that reports bearing approximations the relief the relicing titles will appear in the following sequence at about the times indicated:

- A re-enelysis of Mandy-Cestle's correlation natrix including WAIS teatures. (Getober 1993)
- A theory growthing a personality interpretation of the WAIS, and corollary suggestions for regimerant of the WAIS. (December 1958)
- Green-valueation of noise bable relationships between the WAIS and INTI as reasures of personality. (Spring 1952)
- Some lymatheses regarding the fine structure of the relationship between the UVI and HAT. (dumber 1991)

- (1) Faciliarly attention with theory. Theory, had been no adequate written presentation of personality theory, and we have had to devote considerable attention to the process of acquiring a relatively detailed knowledge of it. This has involved the holding of periodic conferences with themselves as the periodic conferences with the well as intensive study of such naterials as have been available or have been prepared by the role of such naterials as have been available or have been prepared by the role of such naterials as have been available or have been a none detailed involved of approach has led to some refinments in our beste hypotheses, and these have had the effect of complicating the relatively naive relationships that were outlined in our original proposal. However, we still enject that there are certain groups of relatively law occupational status within which the original hypotheses could be cross-validated without alteration. It is likely that one of the early outcomes of our project will be a written quantity of our understanding of theory, as such a suggesty is already partially drafted.
- Was recognized at the obtains that there are correin espects of the use of the Weeksler as a variable for operationally defining theoretical constructs which would have a more or loss fundamental influence on any capitical work we might do to relate the Weeksler and the Myers-Friggs Indicator. It has been necessary to arrive at a working definition of "nor-al level," and at appropriate standardinations of each of the subtests in terms of this level. Also, it has been necessary to add ceiling to each of the subtests in order to instruct that the proper profile shape will be obtained even for relatively bright subjects, and this has depended on an appropriate understanding of the kind of item to be written to provide this added difficulty. These problems are not yet entirely adved, but it is believed that a tensble definition of normal level has been for all of the verbal authors a capit Caprebension. Items are currently being developed for Comprehension, Picture Arrangement, and Picture Completion.
- Miterate to reclict the Priseton Erro the Vechelor. (Our efforts have been condined in practice to productions in dids direction, as the Vechsler with its 10 crowes drylously reports form information than the Myara-Briggs with its 4.) A total of oner 300 cases have been collected using both instrumnts. including our out of 55 male college propuratory high school seniors deliberately selected so as to represent the lo principal Indicator Types both as underechievers and as everaphievers. All these data have been studied intensively; both in reindica to the original maive hypothesis, with rescut to which they can at least he said to be consistent, and in relation to various extensions of those hypotheses augmented by our none detailed uncerstanding of Theory. By procomes which resultedly may controline on chance, but which nevertheless seem remainible on the besid of the theories involved, it has been possible to devalop predictive colors that eve of to of accessing the fadicator parters from the Keelegise frolils. While combinable blaitimed dots will be needed to eraso-villibrie to de ochain, and to jurisly than from the charge errors in the a, to equiencially distributed to be seen of the silver of its production will be all the contract of the contrac this hist do endst and as it tany will be thequality medied out and amostantiated

following the collection of nore data.

(4) Involvement with other nochous. Arrangements are currently in existence which and enjocole to gathe he least 500 new cases using both instruces a utilin the next year, and modifical courses of data are being explored. Upmede of 125 cases are expected from the 🎑 , Terough the good offices of Mr.

na di mangana di mangana di mangana di mangana di mangana da mangana da mangana da mangana da mangana da mangan ring of the animor of restance in the second of the rectument of the develogents through other contacts. Dr. epperently will enke or both instructes in developing his orbity of judging ubility. realist proceeding to discuss this project with a nuiver of visitors and several, notably oversees visitors, have cosed in increating attempting to replicate in their own cultures cay recults we may consin. At least two school phychologists bowing large assents of the late large expressed interest in objecting replication at jumper age lively. It is articipated that the continued development of remy kinds and sources of data will winicipe the appearity of caling furtoes direct paywents for test edinistration. (In have paid as much as \$10 per easo for inch of the data we now have, and hope to everage well under \$5 for the coming year.)

(5) Consideration of "Lolications." Both the Wochsler and the Indicator are instructing that any lough remainings. We have brankly began the very intriguing and governially Arabidal tests of cressining the literature and lora of these two instruments in the light of our growing leveledge of the relationchips between them. We expect this exceinstion to yield a large number of idportant leads for further research, which we may then either carry out ourselves or process to others as electrications of what they are already doing. So far we have post perticular attention to studies by hundy-Castle, Within, Grant, and China; we are conversely respondening correlational data reported by the former two, on! have engagested hypomenses involving our two instruments to the labber ion, the are not investigating the .

Plang for the cosing year. We have particularly appreciated the great freedon't) let this project hear where it will that in interest in the plan proposed to you a year ego, and we would chause that our investigutions abrold be extended in this saw exist. It would appear to be clear, however, that easing groundwork his programme with the body a rightest experiment that will excessible to pates introduced to between the two instances are factories being the base started, call the control of the con of the realization for application paramete. In thatever further data collection we say extraktion, as A world attrive to intolekt and ladoomic accommon that (1) will bend to extend these relationalist two wall-encoranced wit we yet waveleted trees, or (2) with each to poeal other exploration of good the reliads for potting all of the only interesting Const people in an eather my Time through the Rechalge. Along the Arms a firm, the regar decision will we us to wave as to work alrest into physiological , Legala, or into projective recomba, et into pertruatrio mai reting membras,

Wr. Comments

this decision empits further "consideration of implications"." Along the latter line, we definitely wish to consider whether a new refined scoring of the Indicator might yield this information and partit a reciprosal prediction, and also whether an adoptation of the Capoul "semantic differential" might not be coveloped for this purpose. (Third are proceeding on schedule for adalationation in implement 1000 of the apprincipal form of the inter to over 1000 abtration in implement, with the Indicator, after which it will be possible to college freshoon, along with the Unchalar.) In ofther or those reliable in successful if will provide a paper-panell alternative route to the information now obtained only in the individually-calcinistered test, and will amendally reclimate the design of experiments such as those to extend the relationships into other arces.

Sincerely yours,



77

July 2, 1958

Dear Dr. 💐

Find on the amount of \$5.000.00 which represents the final paraget to your or enization for the work outlined by Ir.

Sincerely,

Assistant Treasurer

nc.

 $\mathbf{A} \in \mathcal{N}$

January 2, 1958



Finelosed please find our check in the arount of \$5,000.00 which represents the second quarterly payment to you for work outlined by Dr.

Sincerely,

Assistant Treasurer

Enc.

RECEIPT

Receipt is hereby acknowledged for Cashier's Check No. DM 43863.

dated November 18, 1957, drawn on the

in the amount of the aware was value to the

Date: _//--25-5-7

Q 77-47

December 2, 1957



Enclosed please find our check in the amount of \$5,000.00 which represents the first quarterly cayment to you for work outlined by Pr. The accord quarterly payment will be made the tires of January 1953.

We are sorry for the delay in this payment but it was unavoidable.

We appreciated your consents on our requirements and are in complete agreement with regard to the comment on the continuation of a project that proved inexpedient or unprefitable.

Sincerely,

Executive Secretary

Eno.

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9 August 1957

MEMORANDUM FOR: COMPTROLLER

ATTENTION

Finance Division

SUBJECT

1 MKULTRA, Subproject 77

17

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 memorands, Subproject 77 has been approved and \$20,000.00 of the over-all Project MKULTRA funds have been obligated to cover the subproject's expenses and should be charged to Allotment 8-2502-10-001.

Acting Chief
TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

1401 501 1

337

Recearch Director

Date: 16 APG

Distribution:
Orig & Z - Addressee

1,- TSS/OC 1 - TSS/FASB

1 - TSS/SRB



HCB SISOO

. 77-50

6 November 1957

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA:

TSS/Budget Officer

SUBJECT:

MKULTRA Subproject 77, Invoice No. 1,

Allotment 8-2504-10-001

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

Cashler's check in the amount of \$20,000.00, drawn on a cond made payable to

- 2. Please forward the check to Acting Chief. TSS/Chemical Division through TSS/Budget Officer by Wednesday, 13 November 1957.
- 3. This is a final levelce. A total of \$20,000.00 was obligated under this subproject during EY 58. However, since it is anticipated that additional funds will be obligated for this project, the files should not be closed

Acting Chief TSS/Chemical Division

Attachments;
Involce & Certifications

Distribution:

Gris & Z - Addresses

1 - Comptroller

1-TSS/FASB

331 8-2502-10-001



9 August 1957

MEMORANDUM FOR: COMPTROLLER

ATTENTION

t Figance Division

SCHIECT

MKULTRA, Subproject 77

Under the authority granted in the Memorandum dated 13 April 1953 from the DCl to the DD. A, and the extension of this authority in subsequent memoranda. Subproject 77 has been approved and \$20,000.60 of the over-all Project MMULTRA funds have been oblighted to cover the subproject's expenses and should be charged to Allotment 6-2302-10-001.

A

Acting Chief TSS/Chemical Division

APPROVED FOR OULIGATION OF FUNDS:

Bosebreb Director

Date:

Distribution: Urig & 2 - Addresses

1 - TSS/OC

1 - YSS/FASB

1 - TSS/SRB

2 - TSS/CD

TSS/CD: 4 (9 Aug 57)





INVOICE

For services

\$20,000.00



CERTIFICATIONS

(1) It is hereby certified that this is Invoice No. 1 applying to Subproject No. 77 of MKULTRA, that performance has been satisfactory, that the services have been accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Acting Chief, TSS/Chemical Division

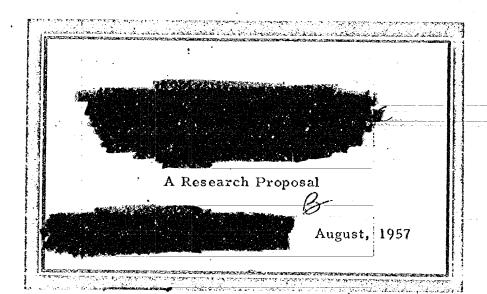
Date:

(2) It is hereby certified that this invoice applies to Subproject 77 under MKULTRA which was duly approved and that the project is being carried out in accordance with the memorandum dated 12 April 1953 from the DCI to the DD/A, and the extension of the authority in subsequent memoranda.

Research Director

Date:

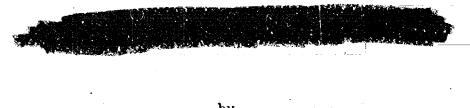






A Research Proposal

Prepared For







A Research Proposal

re two authors of more or less comprehensive personality theories that appear, upon rather close but as yet unscientific examination, to contain important regions of mathematical isomorphism. In other words, it seems likely that certain of the basic concepts and relationships employed in these theories can be put into a one-to-one correspondence. At the same time, each theory contains many further elements that seem likely to correspond only to concepts or relationships that have not yet been formulated in the language of the other theory. The purpose of this proposal is to suggest the importance of exploring empirically the contact between these and possibly other personality theories, with the objectives of unifying them into a larger coherent picture and of filling in a relatively greater proportion of the details of this picture from the combined resources of the present theories.

Among the host of possible definitions of "personality" there are many which stress the idea that it is only through an understanding of personality that one may expect to predict individual behavior, including behavior "intended" to be adaptive to the physical environment or to other people. Thus, any research that is able to shed light on the organization of human personality, or to provide measuring instruments of basic parameters of human personality, is seen as likely to contribute to the advancement of human ecology. The following paragraphs show one way in which this possibility may be approached, and include preliminary evidence that suggests that this approach may be a fruitful one.

theory is one that is grounded in extensive empirical observation and has always had objective, "operational" definitions for its concepts. For the most part, these have been provided by the various sub-tests of the Wechsler-Bellevue Intelligence Scale, although the constructs and relationships that have been generalized out of careful observation of the performance of subjects on these sub-tests are regarded as having potentially even broader theoretical utility. For example, efforts to fit the Thurstone Temperament Scales into this structure have been undertaken but have not yet been fully worked out.

heory, on the other hand, is one that was first devised as a series of abstractions, and which has since been "justified" through the development of at least one kind of objectively scorable material that appears to behave consistently with the abstract principles. has freely employed Jungian concepts in developing her theory, but has also had to modify and extend them somewhat in order to "fit the facts" that are yielded by her instrument, known as the Myers-Briggs Type Indicator.

In terms of the writer's present understanding of these two theories, each makes use of three basic bits of information, along with further bits of information, in order to classify an individual personality. The question of whether any of these are in fact the same basic bits of information is the first one that should be investigated.

gives first importance to a distinction between For example, persons that he calls "mermalizers" and "Externalizers". Operationally, an internalizer is an individual who is able to perform well on the digit span subtest of the Wechsler in comparison with his general level of ability; an externalizer is able to perform only relatively poorly, at least when he takes the Wechsler for the first time. following Jung, draws a basic distinction between individuals who are supposed to prefer "Intuition" and other individuals who are supposed to prefer "Sensation" as a mode of perception; a given individual may he measured in this respect by the answers he gives to certain questions about himself. The writer has begun to administer both the Wechsler and the Myers-Briggs to a series of subjects, and currently has 20 cases in hand-Seventeen of these cases are usable to compute a correlation between definition of an internalizer and Myers' definition of an intuitive; the correlations is plus . 76 (Kendall tau coefficient). Since any correlation that may exist between these definitions must be attenuated by the unreliability of measurement inherent in both testing instruments at result is in excellent accord with a hypothesis of nd Myers' concepts. (The reliability of the identity between the Myers-Briggs score is about . 9, but the reliability of the deviation of digit span performance from general ability level is probably much lower.)

second most important distinction is drawn between what he refers to as "Rigid" and "Flexible" persons. These are operationally distinguished by their relative level of performance on the block designs sub-test of the Wechsler; rigid persons do well. Myers draws her other basic functional distinction between individuals supposed to prefer "Thinking" and others supposed to prefer "Feeling" as a mode of judgment; further self-report questions are used to assess an individual subject. Nineteen of the 20 cases are usable to compute the correlation "Rigid" and "Thinking". When the whole group is treated together, the correlation is practically zero; however, the correlation for the 9 men is plus . 55 and that for the 10 women is - . 52. Since theory has been developed almost exclusively from data on men, and since Myers! data regularly recognize important relationships between thinking-feeling and the sex of the subject, these results may also be regarded as in keeping with a hypothesis of identity between the two authors' concepts. (The absolute magnitudes of these correlations are lower than for the previous hypothesis. This is partly due to greater attenuation, since the reliability of the Myers-Briggs score is only about . 8. It may also be partly caused by a restriction in the range of the sample, which contains a notable paucity of individuals who, in terminology, assume a "judging attitude.")

4

It does not appear that the hird basic bit of information, which distinguishes between individuals who rote-play "Acceptably" and those who do so "Unacceptably" on the basis of relative performance on the picture arrangement sub-test of the Wechsler, can be related directly to any of Myers' basic type distinctions. Jung's concept of "persona," which seems likely to be involved here, is one that Myers has not yet investigated.

On the other hand, it does appear likely that Myers' third basic bit of information, which distinguishes between "Introverts" and "Extraverts" in the Jungian sense, is contained it theory as an emergent of the interaction between internalizer-externalizer and its degree of "compensation". Thus, if a relatively high performance in the arithmetic sub-test of the Wechsler is taken as an indication of "compensation," extraverts may be hypothesized to comprise persons who are simultaneously high, or low, on both digit span and arithmetic, while introverts comprise persons who perform disparately on these two sub-tests. While the data for our 20 cases can be plotted so as to be consistent with this hypothesis, the interpretation is utterly dependent on the selection of appropriate cutting scores for both digit span and arithmetic, and this should not be regarded as even tentative evidence.

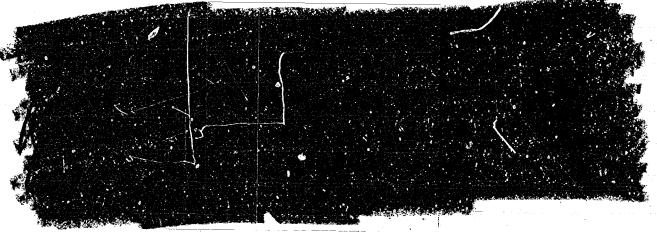
The discussion that has just been given serves both to spell out a few examples of the kind of relationship that is hypothesized to exist between the formulations of the kind of Myers, and to illustrate some of the difficulties that stand in the way or the investigation of such hypotheses. The research that is here proposed would take off from this point, and would initially explore a variety of hypotheses of this general kind. Obviously, longer series of cases need to be examined before even the specific hypotheses raised in this discussion may be accepted as a basis for guiding the formulation of additional hypotheses linking other aspects of these or other theories of personality. Some encouragement may be drawn from the tentative evidence provided by the 20 cases; additional encouragement may be drawn as rapidly as an interlocking network of consistent hypotheses can be formulated and empirically validated. Exactly where these will lead the investigation is impossible to foresee.

Assuming, however, that substantial areas of isomorphism can be elucidated in the course of this research, it should then be possible to combine the advantage of the two sets of operational definitions for the constructs. The Myers-Briggs has the advantages of easy administrability to groups of persons, high reliability (in the sense of internal consistency of measurement) for a limited number of scores, and a generally non-threatening appearance. The Wechsler-Bellevue provides a larger number of scores at a more moderate level of reliability, and has the marked advantage of expecting the subject to do his "best" -- capitalizing on a form of motivation that may eften invalidate the paper-pencil questionnaire approach when it is applied to an individual. By using the Myers-Briggs as a screen for the selection of experimental populations and as an intermediate criterion for the preliminary validation of new

"objective" personality tests, it may prove possible to develop materials that (a) are equivalent to those now in the Wechsler, (b) possess higher reliability and validity, and (c) include ways of measuring facets of personality that are not now being tapped. By using both instruments together, it may prove possible to develop a scheme for systematically recording observations of behavior so that they may be readily translated into the unified theoretical framework. By using either instrument, according to the requirements of a feasible experimental design, it may prove possible to map the relationships of a wide variety of additional variables on the unified framework; the effects of "educational" experience, including various forms of psychotherapy, the effects of physiological "condition" including the influences of heredity and of sundry chemical and electrical stimuli, and the manifestations of personality in a variety of "other tests" are all areas of potential interest. Again, which of these will seem to be the best bet as this research develops is an open question.

Implementation

o the understand the subminimental support so that research developing any meritines outlined above may be undertaken. Such research is not now being supported by any other foundation, now has it been.



In view of the relatively high degree of uncertainty that is necessarily associated with plans for the kind of basic research that is outlined above, proposes that the budget be established initially in terms of a rate of

expenditure of effort, rather than in terms of specific goals and the costs of achieving them. On this basis, it seems reasonable to request a grant of \$20,000, to be spent over a period of approximately one year beginning October 1957 through September 1958. This sum would be sufficient to permit approximately one man-year of effort by a Research Associate, including all of the costs which he may generate throughout by his requests for technical and clerical assistance and by the need for proper administration and accounting. customary accounting system would be used to account for the funds as they were actually spent, and would be expected to show approximately the following dispositions:

(1)) Employee costs (including salaries and wages, vacation allowances, contribution to hospital		<i>I.</i>	
	and annuity plans, etc.)	50%	10,000	
(2)	Other direct operational costs (including travel, purchase of special equipment or materials, etc.)	2%	1/00-	
(3)	Indirect operational costs (including general supplies, telephone, machine rental, space rental, depreciation, etc. Indirect costs are allocated within each department in proportion to the total of (1) incurred in the department.	15%	3000	

(4) General overhead (including accounting, general administration and various

evernear is arrocated as proportion to the total of the 19,0003%

6600

While hopes that significant progress can be made by expending this amount of effort for a year, it anticipates that there will be need for support for several years if the area proposed for research is to be properly investigated, and hopes that would earmark additional funds that may be made available for this purpose if the results that are being obtained warrant a centinuation of the work.

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would

of the qualifications of these individuals follows

DRAFT 9 August 1957

MEMORANDUM FOR: THE RECORD

SUBJECT

MKULTRA, Subproject No. 77

1. It is requested that Subproject No. 77 be approved in order to support research related to the Indirect Assessment Program. Enclosed are a description of certain aspects of the research and the prospectus submitted to the Directors of This research program will be established to provide for:

- (a) the development of alternate procedures for indirect assessment including new tests and new questionnaires.
- (b) the testing of certain of the hypotheses now used in personality assessment.
- (c) the testing of the relationship of some of the procedures now used with certain experimental techniques developed by
- (d) the development of a field laboratory for the pre-testing of techniques developed in the Indirect Assessment Program.

true sponsorship of } Representatives from CD, Branch III will work directly The project

and any surplus funds will be returned to the Ag purchased will remain the property of of the true sponsorship No others in aware of government interest or of the true sponsorship of Cost for one year beginning 1 October 1957 will be \$20,000.00. Funds should be charged to Allotment 8-2502-10-001. It is anticipated that continuation of this project from year to year will be recommended.

Chief, Branch III TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

Approved:

Acting Chief, TSS/Chemical Division

Research Director

16 Aug. 1957.

Attached:

14

As stated above

Distribution: Original only

July 31, 1957

CB

I. Project

treatrent of psychological test results using a comparison of the theories of Personality Assessment as the point of departure.

II. Purposes

- 1. To determine what relationship, if any, exists between the theoretical formulation of any and perhaps others.
- 2. To develop, if possible, practicable, usable measures of of basic personality functions.
- 3. To apply these measures in ways that will help to test the practical and theoretical validity.

III. Similar Hork Boing Done

Similar work is not being done elsewhere to our knowledge. This is not to say that a great deal of work that has been or is being done by Catell. Jung, MacKennon, Murray, Myere, Thurstone and others is irrelevant. Horover, the present project hopes to tie such work together in a context that is both eclectic and theoretically consistent.

IV. Principal Investigator and Background

V. Cost and Length of Time

This project will listy require several Man-years of research effort. Initially, the principal investigator proposes to explore the feasibility of the research and develop definitive plans and procedures for pursuing the study. He will recommend at the end of the first phase as to whether

V. Cost and Length of Time (continued)

the task should be continued and, if so, at what level of effort. The exploratory phase will require one year at a cost of \$20,000.00.

VI. Pertinonce

This comparative study will elaborate on work done by in previous Society projects and will exhaustively reviews n-going work in Personality Assessment. This is a major field of endeavor for the Society and appears to offer a profitable opportunity.



A Reserrch Proposal

vation and has always had objective, "operational" definitions for its concepts. For the most part, these have been provided by the various sub-tests of the Fechsler-Bellevas Intelligence Scale, although the constructs and relationships that have been generalized out of careful observation of the perference of subjects on these sub-tests are regarded as having potentially even breader theoretical utility. For example, efforts to fit the Thurstone Temperament Scales into this structure have been undertaken but have not yet been fully worked out.

Eyers theory, on the other hand, is one that was first devised as a series of abstractions, and which has since been "justified" through the development of at least one kind of objectively according material that appears to behave consistently with the abstract principles. Myore has freely employed Jungian concepts in developing her theory, but has also had to madify and extend them somewhat in order to "fit the facts" that are yielded by her instrument, known as the Myore-Briggs Type Indicator.

In terms of the writer's present understanding of these two theories, each makes use of three basic bits of information, along with further bits of information, in order to classify an individual personality. The question of whether any of these are in fact the same basic bits of information is the first one that should be investigated.

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correlation that may exist between these definitions must be attached by
the unreliability of measurement inherent in both testing instruments, this
result is in excellent accord with a hypothesis of identity between the
concepts. (The reliability of the hyere-Briggs score A/C
is about .9, but the reliability of the deviation of digit span performance
from general ability level is probably much lower.)

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On the other hand, it does appear likely that third basic bit of information, which distinguishes between "Introverts" and "Extravorts" in the Jungian sense, is contained in theory as an energent of the interaction between internalizer-externalizer and its degree of "compensation."

Thus, if a relatively high performance in the arithmetic sub-test of the Wecheler is taken as an indication of "compensation," extraverts may be hypothesized to comprise persons who are simultaneously high, or low, on both digit span and arithmetic, while introverts comprise persons who perform disperately on these five sub-tests. While the data for our 20 cases can be plotted so as to be consistent with this hypothesis, the interpretation-is utterly dependent on the selection of appropriate cutting scores for both digit span and arithmetic, and this should not be regarded as even tentative evidence.

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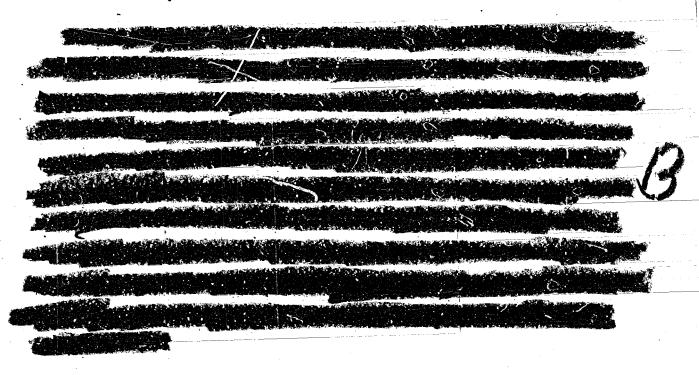
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implementation

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fit to provide financial support so that research developing along the lines
outlined above may be undertaken.



In view of the relatively high degree of uncertainty that is necessarily accorded with plans for the kind of basic research that is outlined above, proposes that the budget be established initially in terms of a rate of expenditure of effort, rather than is terms of specific goals and the costs

of achieving them. On this basis, it seems reasonable to request a grant
of \$20,000, to be spent over a period of approximately one year beginning
in October 1957. This sum would be sufficient to permit approximately one
man-year of effort by a Research associate, including all of the costs which
he may generate throughout by his requests for technical and cherical
assistance and by the need for proper administration and accounting.

customary accounting system would be used to account for the funds as they
were actually spent, and would be expected to show approximately the following disposition:

Ebologoe costs (including wages and salaries, vacation allowance, to contribution to hospital and annuity plans, etc.)

Other direct costs (including travel, purchase of special equipment or materials, tabulating amohine rental, etc)

General overhead (figured as a percentage of employee costs)

ENDUNC of effort for a year, it anticipates that there will be need for support for several years if the area proposed for research is to be proportly levestigated, and hopes that are being found warrant a continuation of the work.

would expect to mame Dr. as Principal Investigator for this work.



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