

1571

MKULTRA  
Subproject 5

Description Date Obligations Expenditures Balance

Description	Date	Obligations	Expenditures	Balance
Subproject 5	May	29	12,139.65	12,139.65
Invoice #1	Aug	8	4,034.55	8,105.10
" 2	Dec	31	8,069.10	36.00

April 25, 1956

Dear [redacted]:

In response to your letter of April 13, 1956, I am enclosing a consolidated report of the funds provided by the [redacted] to support the study in the area of personality research under the direction of the University of [redacted] Department of Psychology.

I trust that this report provides the necessary information for your needs. If any additional information is necessary, please write me.

Very truly yours,

[redacted signature]  
Comptroller

[redacted]  
Enclosure



5-3

22 July 1955

MEMORANDUM FOR: THE RECORD

SUBJECT : Addendum to Subprojects 5, 25, 29  
and 49.

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

2. The above subprojects represent the research program of Mr. ██████████, financed under NEUMTRA, covering the period of 1 September 1953 through 30 June 1956.

3. It was agreed that Mr. ██████████, the principal investigator, would submit annual informal summary accountings covering the entire period of the program. It is understood that upon completion of the research program any unexpended or surplus funds advanced Mr. ██████████ would be returned to the sponsor. Also, the ██████████ has requested the Universities to submit to them a summary accounting of monies received from the Fund. They also requested the return of any unexpended funds received under a grant from the Fund.

4. Mr. ██████████ has established a special bank account for all funds advanced by the ██████████, and a signed Declaration of Trust on this account has been obtained and is on file in 158/09.

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

6. Title to any permanent equipment purchased by funds granted to Mr. [redacted] shall be retained by the Agency and an annual inventory of such equipment shall be submitted to TSS/CD. Upon completion of the research program all permanent equipment will be returned to TSS/CD or disposal made at the direction of and with the approval of Chief, TSS.

7. It was mutually agreed that Mr. [redacted] will document all travel expenses (transportation stubs, hotel bill, etc.) that are debited against funds advanced to his personal grant. Documentation and accounting for travel expenses which are reimbursable by the University shall conform with accepted University practices.

SIDNEY GOTTLIEB  
 Chief  
 TSS/Chemical Division

APPROVED:

Original signed by  
 WILLIS A. [redacted]

[redacted] Chief, TSS

Distribution:  
 Orig & 4 - TSS/CD

5-4

Room ~~33~~ Psychology Department  
University of ~~Illinois~~  
May 18, 1954

B ~~\_\_\_\_\_~~

Gentlemen:

In reply to your letter of May 14. I appreciate your continued interest in my research and your approval of the budget from the period of June 1, 1954, to May 31, 1955. The first quarterly check, which, I believe, will be \$2,950, should be mailed to me June 1 at the present address, as I will not be moving to ~~\_\_\_\_\_~~ until June 10. As I am not certain of my future address, I will advise you as soon as I am located in ~~\_\_\_\_\_~~.

C The financial statement for this present year will be made out and mailed to you before June 1. It would be well, I believe, to advise the University of ~~\_\_\_\_\_~~ that the budget here should not be closed until June 15, as there are several subjects who will not be able to finish up the experimental work before about June 10, and it will take the extra five days to get their payroll through the offices here. If this cannot be done, and the project here must be closed by June 1, please let me know immediately so that I can figure the pay ahead for these people.

Again, thanking you for your help and consideration, I am

Sincerely yours,

C ~~\_\_\_\_\_~~

C ~~\_\_\_\_\_~~

~~\_\_\_\_\_~~

9 December 1953

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA: TSS/Budget Officer

SUBJECT: Invoice No. 2 for Subproject 5, Project MULTRA

1. Payment is requested for the attached invoice. The payment of \$8,069.10 should be made in the form of two cashier's checks in the amounts of \$7,910.88 and \$158.22, both made out to Mrs. [REDACTED]

2. It is requested that the checks referred to above be delivered to the Chief, CB/TSS, by the close of business on Wednesday, December 16.

SIMNEY COTTLEB  
Chief  
Chemical Division, TSS

Attachment:  
Invoice  
Certifications

Distribution:  
Addressee - Orig. & 1  
Exec. acty., [REDACTED] - 1  
TSS/Budget - 1  
TSS/Registry - 1  
Controller - 1  
CB/CD - 2 ✓

[REDACTED] (A)

[REDACTED]

CERTIFICATIONS

(1) "It is hereby certified that this is Invoice No. 2 applying to subproject 5 of Project ~~SECRET~~, that technical performance by ~~SECRET~~ is satisfactory, that the work is being accomplished in accordance with the mutual agreement reached with ~~SECRET~~, that this bill is just and correct and that payment thereof has not yet been made. (C)

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

~~SECRET~~  
Chief, OS/OSO"

(2) "It is hereby certified that this invoice applies to subproject 5 under Project ~~SECRET~~ which was duly approved and that the project has been carried out in accordance with the OS/O memorandum to OSI dated 5 April 1953 and the OSI memorandum to OS/A dated 13 April 1953.

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

~~SECRET~~  
Research Director" (A)

(3) "It is hereby certified that the scope of the program of subproject 5 of Project ~~SECRET~~ has been approved.

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

~~SECRET~~  
Exec. Sec'y., ~~SECRET~~ (B)

~~SECRET~~



5-5

INVOICE

8 December 1953

For Services - - - - - \$2069.10

~~XXXXXXXXXX~~ (c.)

*file*

Psychology Department  
University of [redacted]  
March 8, 1954

(b) [redacted]

Gentlemen:

(b) After talking with your representative yesterday about moving the research project to [redacted] University, I am submitting the enclosed budget for the period June 1, 1954 to May 31, 1955.

(c) I talked about this move to Dr. [redacted], head of department of psychology, [redacted] University, in December. At that time he said that he would like to have a statement from you giving your approval for the transfer of the research project [redacted] from the University of [redacted] to [redacted] University. Will you please send him such a statement.

(b) Since the health of my family is not good here at this low altitude, I wish to express my appreciation for the consideration you have given to the transfer of the project to [redacted] University.

Sincerely yours,  
[redacted]

(c) [redacted]  
Enc. (b)  
cc Dr. [redacted] letter  
Budgets for next year.

Final check sent  
Letter to Dr. [redacted] sent

[Redacted]

Psychology Department  
University of [Redacted] (B)  
March 8, 1954

Dr. [Redacted] (C)  
Professor of Psychology  
[Redacted] (B)

Dear Dr. Miller,

- In regard to our conversation last December about moving the research project [Redacted], I have finally finished clearing this with the [Redacted] the fund I am working under. I am enclosing a copy of my letter to them and also the proposed budget that would be handled by [Redacted] University. This budget will need to be formally submitted to the fund for their approval; which will, I am assured be given. There are two items in the budget which I feel should be explained:
- (1) II. Miss [Redacted] is the assistant that I have trained for the project. She will be a part time student and will be a senior next year. She has consented to go with the project to [Redacted] (B)
  - (2) III. I do not know just what percentage [Redacted] University charges for handling funds of this kind so this item will have to be filled in there.

There were several points about the project that you wanted explained:  
1. What has the project been and what will it be concerned with in the future?

The project has been concerned with different aspects of learning under [Redacted] and the future work will be along these same lines. I am enclosing a copy of the experiment on [Redacted] as an example of the work we have done here during this past year. The thesis subject for my doctoral work for a Ph.D. in Psychology and Education, I feel, should be left until we can explore the possibilities of obtaining subjects at [Redacted] University. However, it should follow along the line of remedial education and the use of hypnosis.

2. What is your own training and experience? (C)

I am enclosing copies of my transcripts from [Redacted] College and [Redacted] University. In addition this is my second year of graduate work at the University of [Redacted]. I will send you a transcript of this work as soon as the quarter ends. I was [Redacted] of the Department of Psychology at [Redacted] College for three years [Redacted]. During this time I used [Redacted] in counseling work with rebuilding study habits. For the past two years I have directed the research work here on this project. I am a member of [Redacted] and [Redacted] honorary societies. I have been a [Redacted] and [Redacted] since 1939, and have been a member of the [Redacted] Conference of the [Redacted] since 1950. (C)

3. What are your own personal references?

As to my character and ability you may write to:  
The Rev. [Redacted] (my conference superintendent)  
Dr. [Redacted] (College Dean)  
Mr. [Redacted] (banker)  
Dr. [Redacted] Psychology Department, University of [Redacted] (professor)

4. How much space would be needed for the project?

I feel that the minimum space would be two small private rooms.

[Redacted]

5-6

[REDACTED]

A connecting door would be preferred. The minimum floor space in each room would be 100 square feet.

I will do my best to answer any other questions that you may have about the transfer of the project to Denver University.  
Hoping to hear from you soon I am,

Sincerely yours,

[REDACTED]

**WARNING NOTICE**  
SENSITIVE INTELLIGENCE  
SOURCES AND METHODS INVOLVED

Budget: (to be handled by [redacted] University) June 1, 1954 to May 31, 1955

I. Salaries

- A. Mr. [redacted] \$2,000.00
- B. Miss [redacted] (assistant) 1,200.00

II. Funds

- A. Equipment 500.00
  - B. Office supplies plus incidentals 500.00
  - C. Wages for subjects 3,000.00
- Total \$7,200.00

III. In addition there will be the "overhead charge" that the University of [redacted] may make for handling the funds.

(6)

Budget: (to be sent direct to me) June 1, 1954 to May 31, 1955

Salaries

Mr. ██████████ (c) \$5,000.

Miss ██████████ 1,800.

Travel 500.

Part time secretary 500.

Moving expense (to be paid in full in 1st check) 1,000.

---

Total \$8,800.







5-8

MEMORANDUM RECEIPT

7 August 1953

DATE

TO: [REDACTED] (C)

FROM: Budget Office, TSS

SUBJECT: Two checks amounting to \$4,034.55.

I hereby acknowledge receipt of the following:

Check #033285 in the amount of \$3,955.14 and check #033287 in the amount of \$79.11 as payment for invoice # 1 Subproject 5, Project MKULTRA.

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

*[Handwritten Signature]*

SIGNATURE OF RECIPIENT

*August 7, 1953*

DATE RECEIVED

To \_\_\_\_\_  
FORM NO. 38-68  
MAR 1949

5-8

August 10, 1953

This is to certify that I have today received Cashier's check  
No. M 133285 of the ~~\_\_\_\_\_~~, in the amount of  
\$3,955.44.



(C)

4 August 1953

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA: TSS/Budget Officer

SUBJECT: Invoice No. 1 for Subproject 5, Project MCLTRA

1. Payment is requested for the attached invoice. The payment of \$4,034.55 should be made in the form of two cashier's checks in the amounts of \$3,955.44 and \$79.11, both made out to Mrs. [REDACTED]

2. It is requested that the checks referred to above be delivered to the Chief, CD/TSS, by close of business on Friday, August 7.

SIDNEY GOTTLIEB  
 Chief  
 Chemical Division, TSS

Attachment:  
 Invoice  
 Certifications

Distribution:  
 Addressee - Orig. & 1  
 Exec. Secy., [REDACTED] - 1  
 TSS/Budget - 1  
 TSS/Registry - 1  
 TSS/CD - 2 ✓

**SECRET**  
 CONTROL BY INFORMATION

5-9

INVOICE

July 25, 1953

For Services ..... \$4034.55



CERTIFICATIONS

(1) "It is hereby certified that this is Invoice No. 1 applying to subproject 5 of Project MKULTRA, that technical performance by [redacted] is satisfactory, that the work is being accomplished in accordance with the mutual agreement reached with [redacted], that this bill is just and correct and that payment thereof has not yet been made. (C)

Date: \_\_\_\_\_  
SIDNEY GOTTLIEB  
Chief, CD/TSS"

(2) "It is hereby certified that this invoice applies to subproject 5 under Project MKULTRA which was duly approved and that the project has been carried out in accordance with the DD/P memorandum to DCI dated 3 April 1953 and the DCI memorandum to DD/A dated 13 April 1953.

Date: \_\_\_\_\_  
Deputy Research Director" (C)

(3) "It is hereby certified that the scope of the program of subproject 5 of Project MKULTRA has been approved.

Date: \_\_\_\_\_  
Exec. Sec'y., [redacted] (C)



[REDACTED]

28 May 1953

MEMORANDUM FOR: CONTROLLER  
ATTENTION: Finance Division  
SUBJECT: Project MEXUTRA, Subproject 5

Under the authority granted in the memorandum dated 13 April 1953 from the DCI to the DD/A and the further authority granted in the memorandum dated 17 April 1953 from the DD/A to the Controller on the subject, "DD/P-T33 Project MEXUTRA", subproject 5 has been approved, and \$12,139.65 of the over-all Project MEXUTRA funds have been obligated to cover the subproject's expenses. *Wm (12/10/53, 65)*

SIDNEY COFFLED  
Chief  
Chemical Division, T33

PROGRAM APPROVED AND RECOMMENDED: APPROVED FOR OBLIGATION OF FUNDS:

Research Chairman Research Director

Date: Date:

Distribution:  
Addressee - Orig. & 2  
Exec. Sec'y. - 1  
T33/Subject - 1  
T33/Registry - 1  
T33/CD - 2

cc/ [REDACTED]

SECRET  
SECURITY INFORMATION

[REDACTED]

DRAFT-SG/ [REDACTED] (C)  
28 May 1953

MEMORANDUM FOR THE RECORD.

SUBJECT: Project MKULTRA, Subproject 5

1. Subproject 5 of Project MKULTRA is being constructed as the means by which [REDACTED] work on [REDACTED] will be continued at the University of [REDACTED] from September 1, 1953 to May 31, 1954. (C)

2. The attached memorandum briefly summarizes the current status of the work, and the work to be done in the next year. It will be seen that the experiments in [REDACTED] will be continued with particular emphasis on several operational problems. (B)

3. The two financial proposals are attached. They entail \$6,300.00 for Mr. [REDACTED] and \$5,566.32 for the University of [REDACTED]. To this should be added \$237.33, which represents a 2% service charge (C) to the [REDACTED]. The [REDACTED] will (B) function as cut-out and cover for this grant. The cover title of the project will be [REDACTED] in [REDACTED], and is presumably being supported by a research grant from the [REDACTED]. (B)

4. The total cost of the project will therefore not exceed \$12,139.65 for a period of one year. (C)

ERRATA  
12,103.65

5. Mr. [REDACTED] and Dr. [REDACTED] (Head, Department of Psychiatry, University of [REDACTED]) are cleared through TOP SECRET and are aware of the real purposes of the project. (C)

*Sidney Gottlieb*  
SIDNEY GOTTLIEB  
Chief  
Chemical Division, TSS

PROGRAM APPROVED  
AND RECOMMENDED:

APPROVED FOR OBLIGATION  
OF FUNDS:

[REDACTED] (B)  
for Research Chairman

[REDACTED] (C)  
Research Director

Date: June 1 1953

Date: June 1 1953

Attachment:  
Proposal  
Memorandum

[REDACTED]

E 2. IMPDET CL BY 15741

*File - Walter Sub-5*

DRAFT-SG/111  
11 May 1953

MEMORANDUM FOR THE RECORD

SUBJECT: Visit to Project [redacted]

1. On this day the writer spent the day observing experiments with Mr. [redacted] on project [redacted] and in planning next year's work on the project (Mr. [redacted] has already submitted his proposal to the [redacted]).

2. The general picture of the present status of the project is one of a carefully planned series of five major experiments. Most of the year has been spent in screening and standardizing a large group of subjects (approximately 100) and the months between now and September 1 should yield much data, so that these five experiments should be completed by September 1. The five experiments are: (N stands for the total number of subjects involved in the experiment.)

Experiment 1 - N-18 - Hypnotically-induced anxieties to be completed by September 1.

Experiment 2 - N-24 - Hypnotically increasing ability to learn and recall complex written matter, to be completed by September 1.

Experiment 3 - N-30 - Polygraph response under Hypnosis, to be completed by June 15.

Experiment 4 - N-24 - Hypnotically increasing ability to observe and recall a complex arrangement of physical objects.

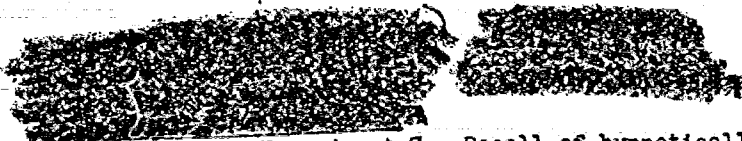
Experiment 5 - N-100 - Relationship of personality to susceptibility to hypnosis.

3. The work for next year (September 1, 1953 to June 1, 1954) will concentrate on:

Experiment 6 - The morse code problem, with the emphasis on relatively lower I.Q. subjects than found on University volunteers.

[redacted]





Experiment 7 - Recall of hypnotically acquired information by very specific signals.

(c)  
[redacted] will submit detailed research plans on all experiments not yet submitted.

4. A system of reports was decided upon, receivable in June, September and December 1953, and in March and June, 1954. These reports besides giving a summary of progress on each of the seven experiments, will also include the raw data obtained in each experiment. At the completion of any of the experiments a complete, organized final report will be sent to us.

5. After June 1, [redacted] new address will be:



6. A new journal was observed in [redacted] office:

Journal of Clinical and Experimental Hypnosis  
published quarterly by the Society for C. & E.H.  
publisher is Woodrow Press, Inc.  
227 E. 45th Street  
New York 17, N. Y.  
Price is \$6.00

To date two numbers issued, Vol. 1 #1 January 1953, and Vol. 1 #2 April 1953.

7. A Very favorable impression was made on the writer by the group. The experimental design of each experiment is very carefully done, and the standards of detail and instrumentation seems to be very high.

SIDNEY GOTTLIEB  
Chief  
Chemical Division, TSS

Original Only.



Proposed University budget for the research project: ~~XXXXXXXXXXXX~~  
in ~~XXXXXXXXXXXX~~ from September 1, 1953 to June 1, 1954.

(H)

I. Salaries		
Research Assistant, half time	\$1404.00	
Experimental Subjects and travel for same	3000.00	\$4404.00
II. Expendable Supplies		
Typewriter rental, etc.		150.00
III. Permanent equipment		
(Will not be used if equipment is available)		500.00
IV. Travel		
		100.00
Total		\$5154.00
Indirect Costs 8%		412.32
		\$5566.32

COPY

STATEMENT OF EXPENDITURES

Project: Continuation work in the field of the use of ~~\_\_\_\_\_~~ in ~~\_\_\_\_\_~~ (11)

Period: September 1, 1953 to May 31, 1954.

1. Salaries	
<del>_____</del> (C)	\$5,000.00
Part time secretary	600.00 (6)
2. Tuition, fees and expenses in U of <del>_____</del>	450.00
3. Travel	<u>250.00</u>
	\$6,300.00 /

3-1152  
27 May 1954

MEMORANDUM FOR: Chief, TSS/Chemical Division

SUBJECT : Clearance Approval - UNIVERSITY OF ██████████

1. Please be advised that a covert security clearance for Mrs. ██████████ has been approved for use on matters incident to Project KULTRA. It is understood that Mrs. ██████████ will have access to classified material through TOP SECRET.

2. Your attention is called to the fact that a covert security clearance does not constitute complete compliance with the provisions of CIA Regulation ██████████. Therefore, if you should desire at a later date to change the status or use of this individual, a request for clearance to cover any proposed change should be submitted to this office.

3. This clearance becomes invalid in the event the Subject's services are not utilized within 60 days of the date of this memorandum.

██████████ (C)  
DD/R/██████████ (B)

Distribution:  
Addressee - Orig. & 1  
██████████ - 2

██████████

5-13  
DRAFT/ [redacted] (C) [redacted]  
20 April 1954 SIDNEY COPPLES

Return to [redacted] (C)

[redacted]  
MEMORANDUM FOR THE RECORD

SUBJECT: [redacted] (C)

[redacted] comprised an experiment in hypnosis designed to demonstrate potentialities of hypnosis as a tool of the clandestine services. Additionally, it was felt that a stimulation of the thinking of Operation's personnel in this somewhat virgin field would produce considered and practical guidance upon which to base further research.

There follows a brief chronological relation of the events of the week of 21 March 1954:

22 March - Mr. [redacted] established in a suite in the [redacted] Hotel. 12 volunteer subjects were screened for suggestibility. (C)

23 March - Seven subjects were screened for suggestibility in the forenoon.

In the afternoon the three subjects scoring highest on suggestibility screening returned for one hour individual interviews with Mr. [redacted] (C)

Each subject was given the attached information report to study for 1/2 hour with instructions to remember the contents.

24 March - Each subject spent one hour in the morning and one hour in the afternoon with Mr. [redacted]. Immediately prior to the afternoon appointment each subject was allowed to observe a hotel room for one minute under instruction to remember all features for later relation. (C)

25 March - One hour was spent with each of the subjects in the morning. In the afternoon each subject was asked to reproduce consciously the written material studied and the features of the observed room. Following this and in the presence of CC/TSS Personnel, each subject was hypnotized, and reproduced, while in trance, either the written or observed material.

[redacted] [redacted] [redacted]

[REDACTED]

26 March - A demonstration was given for selected representatives of Senior Staffs and Area Divisions. Limb catalepsy, reproduction of written material and visualization and verbal description were demonstrated.

Discussion:

At all times when subjects were being hypnotized a CD representative (Dr. Gottlieb or Major [REDACTED]) was present. His presence served a double purpose of reassurance to the subject and observation of technique for possible later exploitation.

It should be emphasized that from the hypnotist's point of view the entire operation was carried out under the most difficult conditions. He had no previous contact with subjects, hence, no initial rapport existed. He had no background knowledge of subjects from which to develop leads indicating depth of trance. It is an established fact that trance depth develops most satisfactorily if time (a few days) is allowed between interviews. Here subjects took part in four developmental interviews within a period of 48 hours thus allowing very little assimilatory time.

Despite the difficulties under which he worked, Mr. [REDACTED] was able to demonstrate medium trance phenomena quite satisfactorily.

With respect to techniques used by Mr. [REDACTED] in suggestibility testing and hypnosis, the methods are essentially as follows: A constant speed black on white spiral color wheel was used for visual fixation along with verbal suggestion in initial testing. With these subjects demonstrating susceptibility, suggestions were made that future trance induction would be accomplished on verbal command to sleep. In later interviews verbal suggestions and commands were given with a background of metronome beats.

Results:

As indicated previously, three subjects were chosen for further development. Results with each subject will be treated separately. Subject A [REDACTED] attained a medium trance state. In the short time for development, however, he was unable to reach a somnambulistic state as characterized by amnesia. In the preliminary demonstration subject A demonstrated arm catalepsy and hypnotic recall of written material. In the final demonstration Subject A demonstrated arm paralysis and induced pain as a form of physical and psychological control.

[REDACTED]

[REDACTED]

Subject B [REDACTED] attained medium trance state and in both demonstrations produced under hypnosis a quite accurate copy of written material previously observed. Unfortunately both A and B proved to have excellent memories. They were able to recall the material quite accurately without hypnosis so that little, if any, improvement could be noticed.

Subject C [REDACTED] attained medium trance state with a particular flair for visualization and verbalization. In the preliminary demonstration "C" reproduced the layout of the room observed noting additional features and correcting erroneous relationships evident in a previous conscious recounting. Interrogation indicated that further information as to detail could be obtained. In the final demonstration subject C was regressed to the time in 1948 when he visited [REDACTED] and asked to describe the scene. Verification as to accuracy of the description came from an observer who had recently visited the area. It is interesting to note that the description was in terms of the 1948 appearance and did not allude to extensive fire destruction which occurred later.

Written productions of subjects are attached in their original state.

Comments:

Whereas the experiment was only partially successful in the light of failure to achieve amnesiac states and the lack of marked improvement in hypnotic recall, the interest aroused among observers of the demonstration attests to the success of one of the main objectives--stimulation of thinking in the operational fields.

[REDACTED]

Chemical Division, TSS

[REDACTED]

[REDACTED]

[REDACTED]

(H)

SOURCE: A qualified laboratory operated by the Federal Government has made this analyses of three vials of penicillin (MCN-3265) labeled to contain 200,000 units each, sodium salt form, expiration date: 1 May 1953, produced by plant #486 of the Main Administration of the Ministry of Health, USSR, probably during 1952.

1. The analyses are as follows:

- a. The material was approximately 50% of the "G" type of penicillin and approximately 26% "K" type.
- b. The material was a light tan color and was the amorphous sodium salt of penicillin.
- c. (1) Weight - 154.7 mg/vial.  
(2) Solubility - Soluble in water and phosphate buffer solution - pH in water 6.1.  
(3) Stability - not determined but amorphous penicillin is known to be much less stable than crystalline.  
(4) Purity - 1279 units/milligram.  
(5) Toxicity - satisfactory, passes FDA test.  
(6) Comparison with USP tests - USP salt is crystalline and contains not less than 85% "G". This material is amorphous and contains about 50% "G". The unit per milligram potency is about 76.5% of USP standard.
- d. Potency - two vials used, one 198,000 units; the other 191,000 units.



(2) - ~~\_\_\_\_\_~~ - Prod #496 NS - by instr. 5-13

Paper.

A qualified laboratory of the Federal Government made this analysis of three vials of penicillin, <sup>containing 2000</sup> each form, <sup>(MCN-3256)</sup> related May 1953; procured in plans #1486 of the Administration of the Ministry of Public Health USSR, probably during 1952.

1. The analyses is as follows:

- a.) The material was the amorphous sodium salt of penicillin containing about 50% "L" type penicillin and 26% "K" type.
- b.) The material was light tan in color.

- c.) (1) Weight - 154.7 mgm/vial
- (2) Solubility - soluble in water and phosphate buffered solution - pH in water 6.1.
- (3) Stability - not determined, but amorphous penicillin is known to be much less stable than crystalline.
- (4) Purity - 92.11 units/mgm.
- (5) Toxicity - satisfactory, passed FDA tests.
- (6) Comparison with USP tests - USP penicillin is crystalline and contains not less than 82% "G". This is an amorphous sodium salt of penicillin and contains about 50% L units per mgm potency is 76.9% of USP standard.
- d.) Potency - two vials used, one 11,300 units, other 11,300 units (11 minutes)

5-13

(D)

Post Report in  
Thursday

An approved laboratory of the Federal Govt. made this analysis of three vials of penicillin, 200,000 units, sodium salt form, (MCN-2232), produced in plant #486 of the Administration of the Ministry of Health, USSR, probably during 1956.

1. The analyses are as follows:

a.) The material is amorphous penicillin containing about 50% of "K" type penicillin and 50% "K" type.

b.) The material is light tan in color.

c.) 1.) Weight - 154.7 mg/vial

2.) Solubility - soluble in water and phosphate buffer solution - ppt in water b. 1.

3.) Stability - not determined, but the amorphous form of penicillin is known to be much less stable than crystalline.

4.) Purity - 127% units/mg

5.) Toxicity - satisfactory, passes FDA tests.

6.) Comparison with USP tests - USP penicillin is crystalline and contains not less than 80% of "K" units per mg of potency. This is an amorphous penicillin and contains about 50% "K" units per mg of potency, or 70% of USP potency.

d.) Potency - 2 vials assayed, one 198,000 units, the other 191,000 units.

5-13

(D)  
-hem-lymphatic (conscious) RECHL6  
THURSDAY March 25

SOURCE: THREE TYPES OF PENICILLIN WERE  
ANALYZED BY A NEW IMPROVED, COMBINATION  
METHOD. (MCN 3265) VIRUS WERE  
LABELLED TO CONTAIN 200,000 UNITS EACH;  
SODIUM SALT FORM, EXPIRATION DATE, 1 MAY 1961.  
MANUFACTURED IN PLANT NO. 486 USSR  
AND OBTAINED BY THE MINISTRY OF HEALTH  
USSR.

1. SAMPLES CONTAINED 50% "G" FORM AND  
25% "K" FORM

2. SAMPLES WERE A LIGHT TAN AMORPHOUS  
FORM.

3. a. WEIGHT: 154.7 mg/vial

b. SOLUBILITY - SOLUBLE IN WATER AND  
PHOSPHATE BUFFER SOLUTION  
PH IN WATER SOLUTION 6.1

c. STABILITY - UNCHANGED THROUGHOUT 18 MONTHS IN  
10% THIOGLYCOLIC ACID SOLUTION  
d. PURITY - 17.75 UNITS/mg

e. TOXICITY - SATISFACTORY, PASSES FDA TEST

f. COMPARISON - USP CONTAINS 85% "G"  
AND IS CONSIDERED, INACTIVE UNITS  
50% "G" AND IS ANALYZED AS SUCH  
HAS ONLY 76.9% EFFECTIVE UNITS/mg  
AS USP.

CONTENT: THE VIRUS ANALYZED IN THE COMBINATION  
15,800 UNITS/gm AND 15,000 UNITS

(D)

HYPNOTIC RECALL - FRIDAY, MARCH 26

SOURCE - A QUALIFIED CHEMIST IN CHARGE  
LABORATORY (MICHIGAN) THREE WIRS OF  
PENICILLIN IDENTIFIED TO CONTAIN THE FOLLOWING  
EXAMINED. SOURCE NOT FROM EXAMINATION  
DATE 1 MAY 1953. MANUFACTURED BY  
PLANT No 436 OPERATED BY THE MANUFACTURER  
OF PENICILLIN 2550

- 1. SAMPLE CONTAINED 5% "G" FORM  
25% "R" FORM
- 2. SAMPLE WAS LIGHT TAN AMORPHOUS TO

3. WEIGHT 1547 mg/wire  
SOLUBILITY SOLUBLE IN WATER AND  
METHANOL BUT NOT SOLUBLE  
IN ETHYL ALCOHOL  
STABILITY UNCHANGED AFTER  
FIVE YEARS TO 10 YEARS  
THAN CHEMICAL FORM  
PURITY 12.97 UNITS/mg  
TOXICITY SATISFACTORILY FROM FDA TEST  
CONVERSION 1000 UNITS/mg "G"  
AND IS CHEMICAL SAMPLE  
CONTAINS 5% "G" AND 25% AMORPHOUS  
FORM OF PENICILLIN 2550  
EFFICIENCY UNITS PER MG AS USED

- 4. CONTENT TWO WIRS FROM SOURCE  
ONE CONTAINS 15000 UNITS  
THE OTHER 15000 UNITS

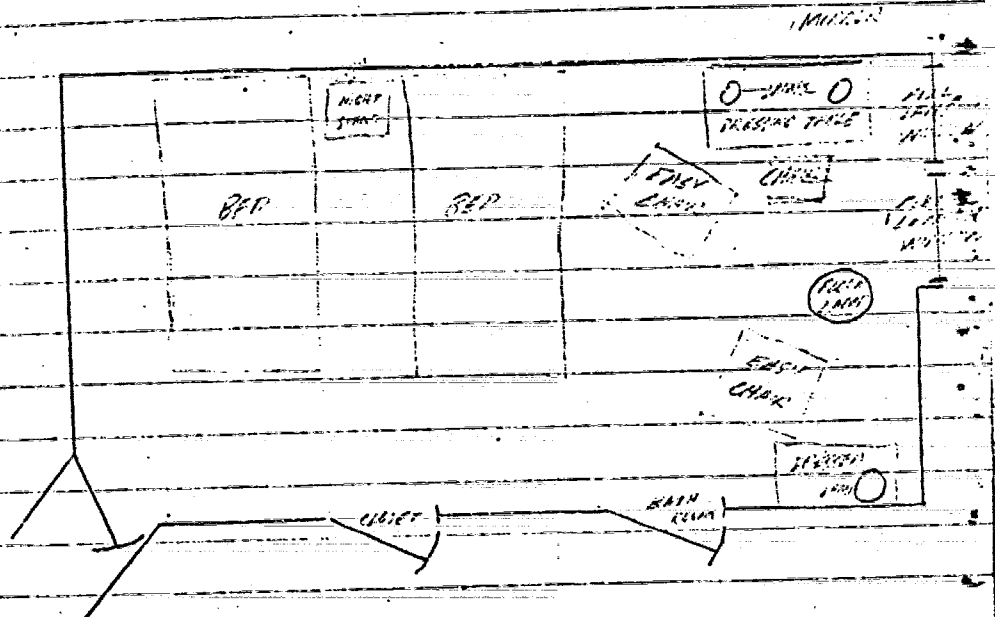
ROOM

(D)

5-13

newly painted

1. DRAWINGS OF ROOM (FLOOR PLAN)



2. FACTS

- A. WALL PAPER - FLOWING PATTERN - RED FLOWERS
- B. TWO PULLS ON DRESSING TABLE - SPANISH DESIGN AND SPANISH MIRROR
- C. BED HEADS - TAN COLOR WITH SPANISH LINE
- D. WINDOW CURTAINS - GREEN
- E. DRAPES NEAR WINDOW - GREEN

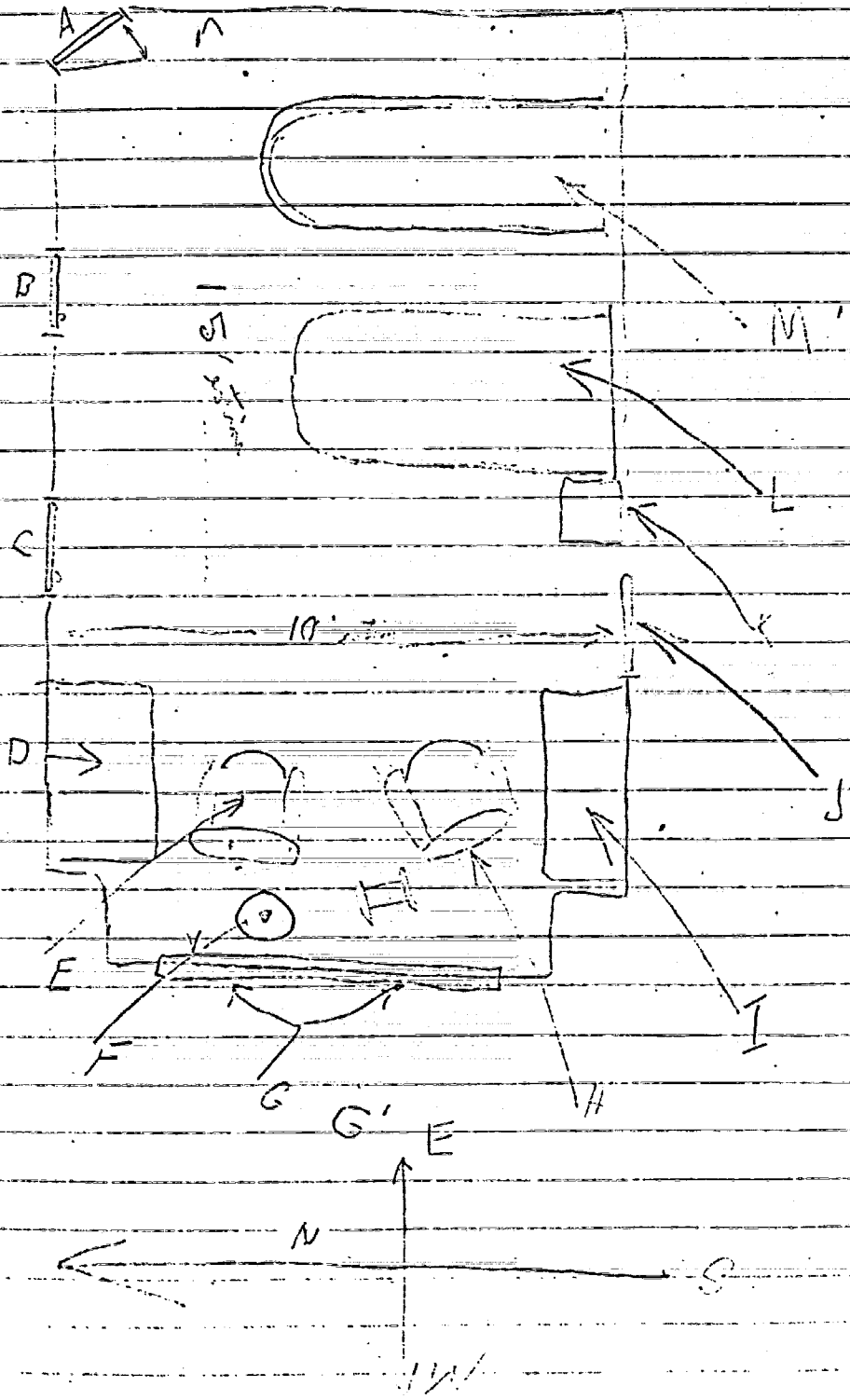
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(D)

whiff

nonhypnotic Recall



(D)

# Hypnotic Recall

1. TWO BEGS
- ✓ 2. ONE MIRROR WITH LAMP BETWEEN EGGS
3. DRESSING TABLE WITH TWO LAMPS AND MIRROR
4. TWO ARMCHAIRS
- ✓ 5. ONE ORDINARY CHAIR
6. ONE DRESSER WITH LAMP
7. TWO FULL LENGTH WINDOWS SIDE BY SIDE
8. WITH WHITE SHEER CURTAINS AND GREEN DRAPES
9. ONE FLOOR LAMP
10. ENTRANCE DOOR
11. CLOSET DOOR
12. THE BOOK IN DRESSER - SPANISH DICTIONARY - SPANISH NOVEL
13. WALL PAPER FLOWER PATTERN
- ✓ 14. BIBLE IN DRESSER WITH OTHER WOODEN MATERIAL
- ✓ 15. CARPET COLOR - GRAY
16. BED SPREAD - CREAM COLOR WITH BLUE AND WHITE STRAIGHT LINED PATTERN

Sub insertion - are additional details obtained through spot interrogation under trance.

(D) 5-13

P H  
Hypnotic Recall

REPORT?

- A. Door opens to right from outside
- B. inward at door
- C. closed at door
- D. 3 chairs in room. Light green covered in biggest green top of chair. alighting over  
 on top of chair a "Hypnotic Recall" <sup>12-11</sup>  
 glass ash tray <sup>was on something</sup> maybe a little box
- E. Arm chair gray green
- F. 4 ear lamps
- G. Heavy border on opposite side
- H. arm chair
- I. round window separate window to floor  
 above, glass top
- J. coat collection <sup>just colored.</sup>  
 a lighter shade of brick yellow  
 a library book.



K glass down

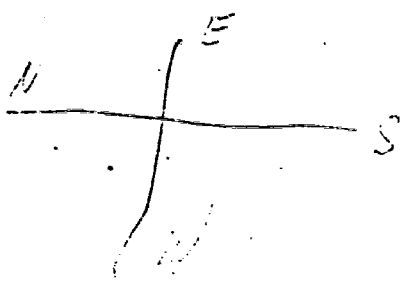
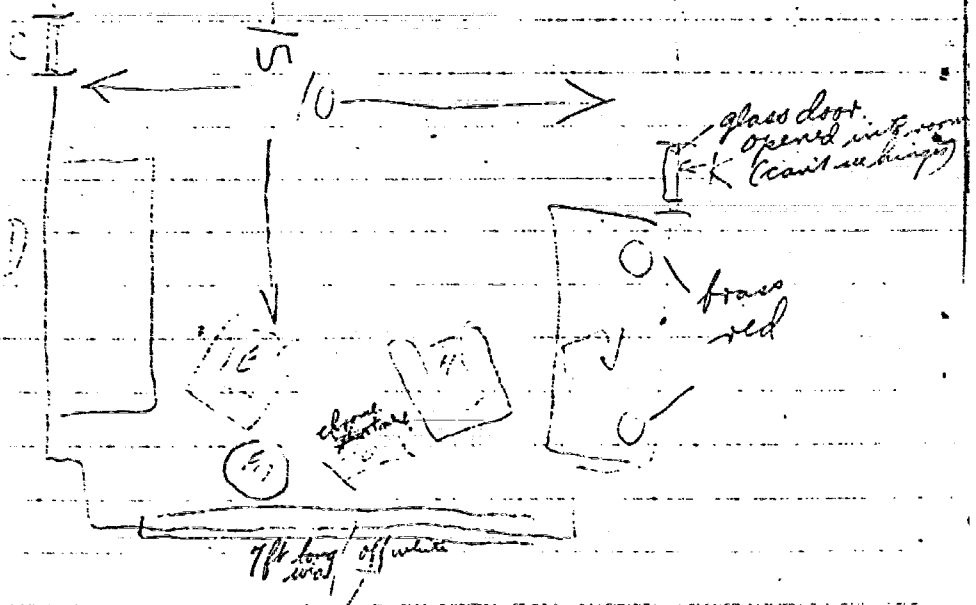
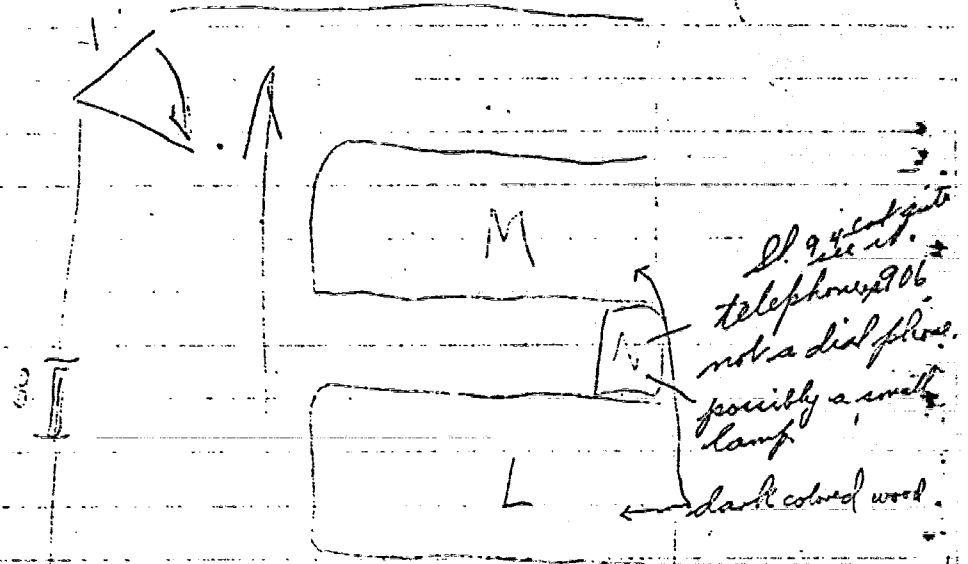
L & M twin beds. extra mattress buff D  
blue stripes

N twin

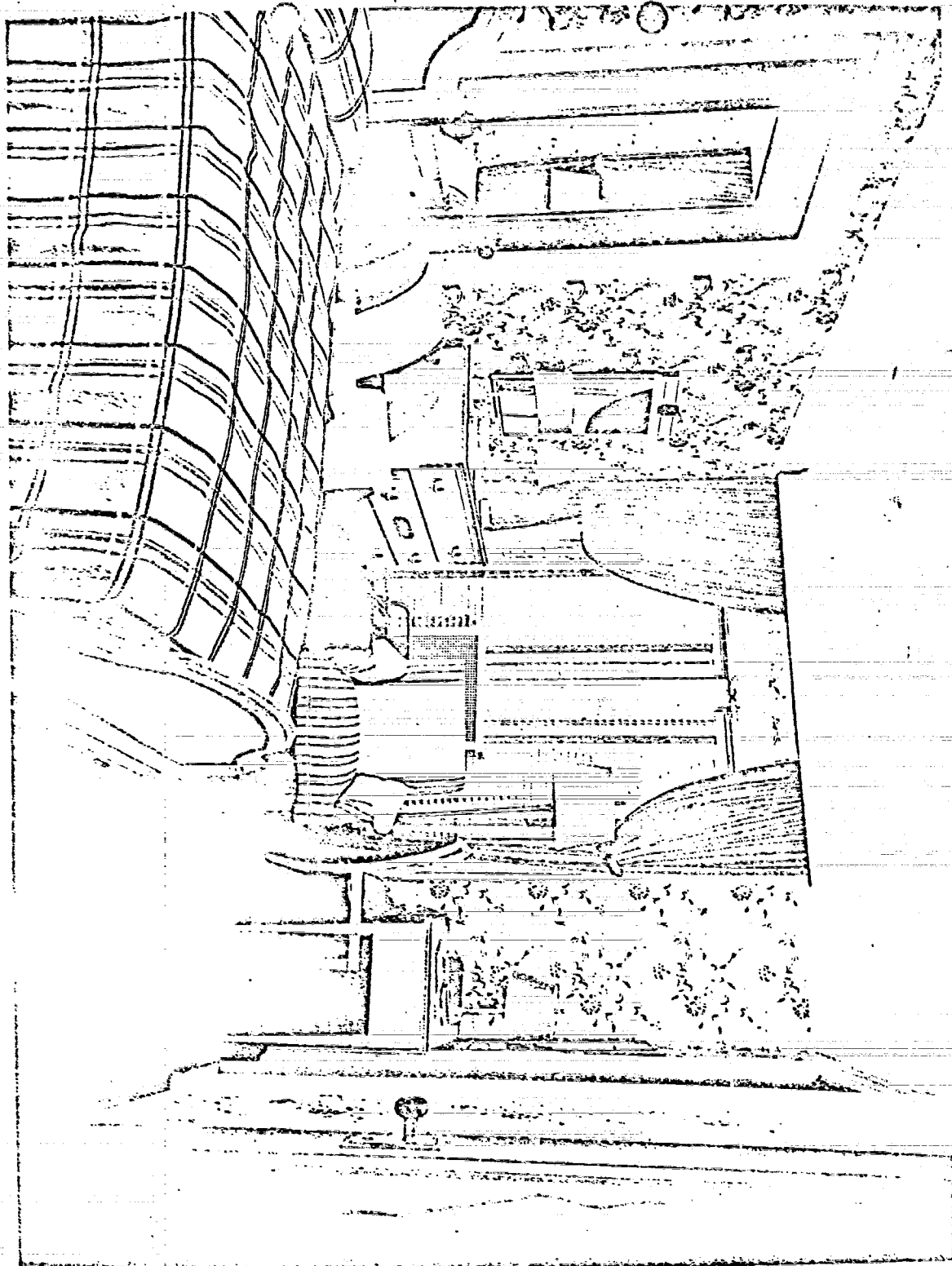
pink walls - floral paper & flower  
cushions & blue bed.

(D)

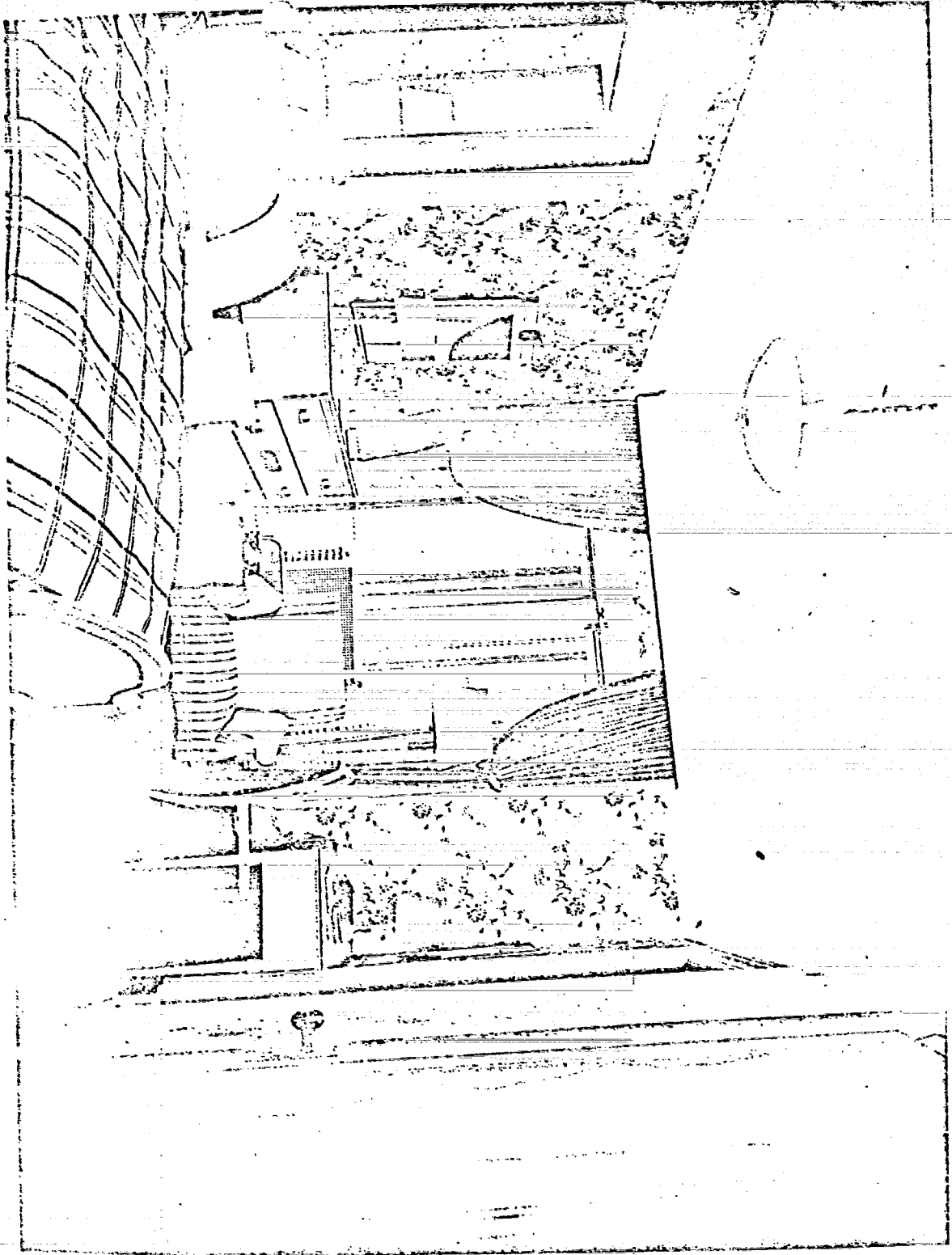
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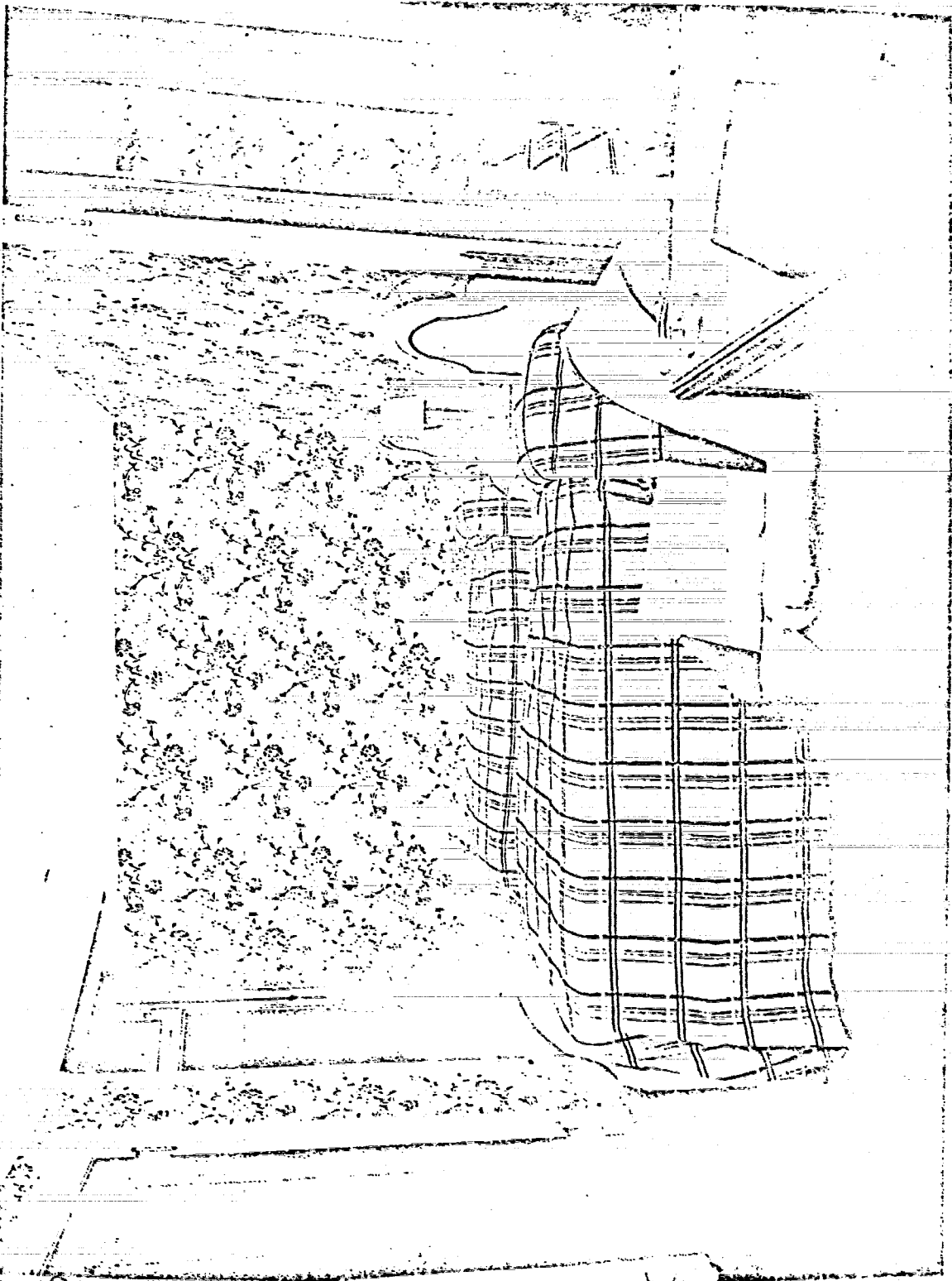


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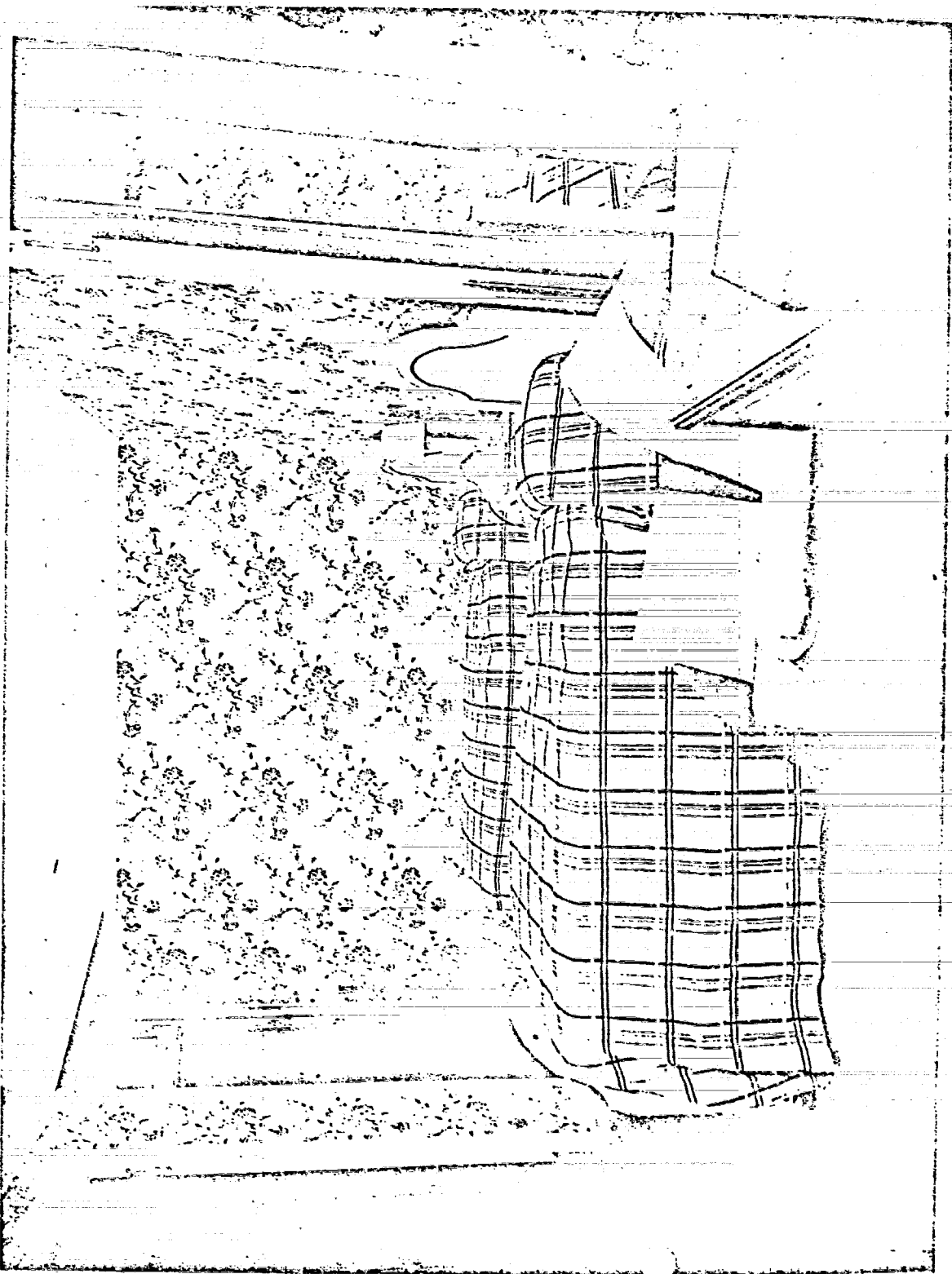


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5-13

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TRAVEL STATE CHECK

MEMORANDUM Subject 5

Date of Original Authorization	Period Covered	Time Ex-tended to	Allotment Number	Amount of Obligation
1 June 1953	1 year		3-2502-10-001	\$1203.65

Additional Authorizations	Period Covered	Time Ex-tended to	Allotment Number	Amount of Obligation

Invoice No.	Date	Amount	Balance
1	8/7/53	4034.55	8069.10
2	12/9/53	8069.10	0

TRAVEL: SRV MKULTRA 25-29-49