30 July 1953

Chief, Security Research Staff

Chief, Technical Branch

ARTICHOKE Conference, 15 July 1953

1. On Thursday, 15 July 1953, between 2:00 and 3:15 PM, an ARTICHOKE Conference was held in the SO Conference Room 2065 I Building. Present at this Conference were

representing SO;
representing the Medical Staff;
representing the Director's Office and OSI; and representing DDP.

- 2. opened the Conference by introducing as the DDP representative.
- delivered by of Chicago to and and of the Technical Branch and others of SO had examined the machine. stated that the examination had been of a general nature and had agreed to turn the Sidetone Delay Device over to us as soon as the paper work was completed. Examined that after certain studies and tests were made by the Technical Branch IRB, the device would be turned over to TSS for their study and any tests they cared to make in connection with this device.
  - 4. Several newspaper clippings which bore directly on ARTICHOKE matters were displayed. Then discussed the situation of a former Agency official who had become a chronic alcoholic and who, at the present time, was undergoing operative treatment in Dallas, Texas, for a possible brain tumor. This individual had called the Agency prior to the operation and warned that when given certain types of anesthetics (sodium pentothal) previously he had been known to talk coherently. The matter was taken care of by placing an SSD representative in the operation room and by bringing the various personnel participating in the operation under the Secrecy Agreement. Stated that the subject did talk extensively under the influence of sodium pentothol and revealed internal problems of the Agency. Stated that he was acquainted with the details in the case.

53-186

- been a source of gre. concern to himself and others a operations work and stated he hoped that the ARTICHONE efforts to produce some method that would perhaps guarantee amnesias on the parts of those knowing of Agency operations in vital spots would be successful. He stated that some individuals in the Agency had to know tremendous amounts of information and if any way could be found to produce amnesias for this type of information—for instance, after the individual had left the Agency—it would be a remarkable thing. It stated the need for amnesias was particularly great in operations work.

  and the both explained that work was continually being done in an effort to produce controlled amnesias by various means.
- 6. called attention to the fact that at the preceeding conference, had advanced the idea of testing new methods, new chemicals and new techniques (and combinations thereof) on certain carefully selected employees of the Agency, probably individuals in the Training groups. pointed out also the matter was scheduled for discussion at this time. A discussion followed in which all hands were in agreement that if the testing could properly be protected and controlled and if it were thoroughly governed by the Medical Staff that the work would be of extreme value both from an experience point of view for those tested and from a research point of view for ARTICHOKE. A stated that it was his idea that staff employees (in Training) be carefully screened and that they be tested on a volunteer basis with any new or untried chemicals or techniques provided that the Medical Staff was given complete authority to determine whether cr not such testing was safe. insisted that protection. of Agency personnel would be paramount in such matters and only after certification by the Medical Staff and the Medical Staff completely handling the chemicals or drugs in question could the testing then be carried out. It was suggested by agreement among all hands that the matter be taken up with certain key officials in the Training Branch as to whether or not they considered the matter feasible and sound and stated he and would approach the Training officials. It was further agreed that after this had been done and basic details ironed out, the matter should then be taken up at the proper level with the top administrative people of the Agency for approval.

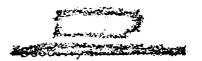


53-187

Towns No.

THE THE THE CALL

- stated that TSS was making successful progress in items of interest to ARTICHOKE. stated that in connection with the some progress was being made and would work with the Surgeon General's Office in this connection. further stated that intended to talk with all doctors that he could reach that were involved in medical decisions in the case and would attempt to assemble and study the medical histories. In addition, will, in the future, approach the principal in the case if a proper and suitable cover can be established to permit to do this.
- then briefly reported for OSI and discussed the matter of the communication contemplated with the officials engaging in work somewhat parallel to that of ARTICHOKE. explained in some detail the background of the letter and then passed out copies of the OSI reply to the conficials for study by the group. During a general discussion that followed, pointed



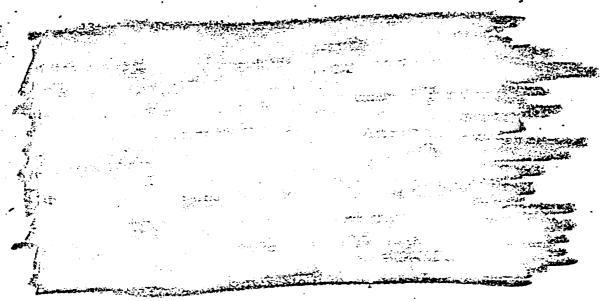
53-18:5

 $COE\lambda$ 

out that working with he for scientific people. In be very advantageous since he stated that the government permitted certain activities which were not permitted by the United States government (i.e. experiments on anthrax, etc.).

- if the ARTICHOKE organization would set up a list of requirements for information, he would survey the possibilities of the transmission of these requirements to the various field stations and the various desks in the operations end. All also suggested that possibly a requirement sent to the Security Officers both in and might be productive of good results.

  Informed they regarded his ideas as sound and would assemble a list of requirements and give them to him in the immediate future.
  - 12. discussed briefly certain interesting aspects of the delivery of food by the U. S. Government to East Germany with the possible charges of food poisoning, etc. which the Soviets would make against free food.



made the concluding statement of the conference by pointing out that in general the ARTICHOKE work was quite well defined but often the "by-products" of ARTICHOKE experimentation and research would be of interest to many divisions throughout the Agency. Explained that where a discovery was made through the ARTICHOKE efforts and did not apply to the ARTICHOKE work immediately that discovery whether chemical or otherwise would be given at once to the properly interested division of the Agency.

53-189

COPY

15. The meeti. \_ adjourned at approximately 3 · 1 ... after Thursday, 20 August 1953, had been selected as the time of the next meeting. The meeting will be held as usual in the SO Conference Room.

Secretary districts of the second secretary of the second second

COPY

57-190

TO: Director of Security

FROM: Chief, Technical Branch, SO

1. This is to remind you that there will be a Project Conference on Thursday, 20 August 1953, at 2:00 PM in the Conference Room, 2065 I Building.

2. If you wish to put anything on the agenda, present any special topic or require information in connection with this Conference, please call the undersigned on Extension

Security Officer

12 August 1953

CC:

Representatives from operations, technical, security, intelligence, and medical staffs.



# AGENDA - ARTICHOME NIETENS 20 August 1953

on trip in regard to returning Polis in conjunction with a representative of IE/FI.

2. Miscussion of cible concerning, supply of lysergic acids.

3. Discussion of review of MATIGICE by interested areas of CIA.

4. TSS comments.

5. 08I coments.

6. Redical Division comments.

7. DD/P comments.

8. Director of Security comments.

Report by Tes 6 Nev. 5-5

DISCUSSION AT E

States with I want there. (I has known this before going there. Their absence was an opportunity to obtain fresh points of view from their colleagues. These proved interesting.)

phermacological associate, acted as host. (I had met him in which and had entertained him at dinner there.)

from the very beginning of our discussion it became at once apparent that an extraordinary change had occurred since my last year's visit. (Nothing could offer a better example of the importance of continuity in studies of this kind than the comparison of this year's discussion with last year's. I am certain that a visit for the first time this year yould have led to wrong conclusions.)

Last year, The work on the cryot derivatives, both the diethylonid of lysergic acid ("L.S.D.-25") and the new non2ethyl amid ("L.i.T."). They spoke with a happy sigh of the "more than 200 laboratories" engaged in work on the L. S.D. and of the "burden" (which they obviously enjoyed) that this threw on them. Work was proceeding riskly in their laboratories and they were delighted with the situation at this time.

This year an extraordinarily different atmostphere prevailed: No longer were they apparently much interested. This was so obvious, I what the state of they were giving up their work in this field. His answer was vague. Apparently he sensed its inadequary, for he rather hastily added, "we have no means here for testing those ergot derivatives". I added, mildly, "But neither do you have facilities for testing your other products". I refrained from pointing out that the lack he mentioned was present last year too. It was clear that he did not with to pursue the subject and I let it drop. The significant thing was the rather starting change in attitude from last year to this.

I gave the a brief report on our work with L. A.E. (sufficient only to ensure his continued cooperation and a supply of the drug. This supply he promised to continue.) He spoke of their need to get "some agency" to undertake a systematic study of these agents. Perhaps he emphasized a little too much their willingness (eagerness) to have some official body in the United States take on study of these drugs. I couldn't help wondering if he wanted to get it plainly on the record that they had made these agents available to the West, lest traffic with Russia (see my previous report) look bad at some future date and in some future world situation.

At this point I was curious to understand what had produced the change. Several possibilities were to be considered:

- (a) They had lost interest scientifically. (Incredible)
- (b) They had become alarmed at the ethical and moral p roblem involved. (Improbable)

essent.

- (c) They could see no adequate financial return. (Possible, but it access unlikely that an experienced drug house likely would at this point throw ever a partitle tenence, especially in view of their already considerable investment.)
- (d) There had been serious accidents, toxic reaction. (Interestingly enough. In the life of the serious accident with L.S.D. or L.M.E. See that veris report as to how this conflicts with the serious set to how this conflicts with the second of the second
- (c) There has been unfavorable publicity of such an extent as to frighten the corpory into restricting their interest. (I have seen no such publicity in the United States press or such European press as I have seen; however, there has been some. This was spoken of at a later discussion, as follows:

A luncheon was arranged for me where the land a religious where present. Puring an absence from the table of the I said to the Epperently an official of the company, "I hope you are not abandoning your interest in the ergot derivatives." "No," he said, "but we are burned children." Then he mentioned a considerable quantity of unfavorable publicity which he said had stemmed "from the press". He said he did not know who had been responsible for it. He remarked that this publicity had commented on possible political and military uses of the agents. (If these press reports have been compiled, and certainly they should be, I should like to see them.)

I can only guess, but it seems probable that this unfovorable publicity is responsible for the new attitude spoken of at the beginning of this report. Other factors are doubtless related to this publicity such as fear of law suits by "victima" or subjects of experimentations.

(f) There is of course the possibility, very improbable I think, that the has, for economic, for trade reasons, or for other consideration, decided to make its information and output available to the East and that talk about a "U.S. agency" to work in the field is for the record only. Against this is the assurance that I can have a continuing supply of L.S.D. and L.A.Z.

During the course of the above conversation I asked if they had made any new derivatives of lysergic acid. He said, without interest, well, they had had one, but it hadn't panned out. Whether this is true or merely part of the new minimizing policy would be interesting to know.

I should like, at some later time to follow up this accusintance with the second more forthright, perhaps less discreet, than the others.

A follow-up should be nade on the present illness of the suggestion that it was related to his experimental work. This raises the question of whether frequent self-experimentation with the ergot derivatives could be responsible. This is of enough importance to justify investigation, I think.

I have reason to believe that the Comprny has on hand about 20 pounds of L.S.D. This is a fentastically large amount. This should be checked. If true, one can have interesting speculation as to why they made so much so early in the trials of this agent.

# Sanders, 3 Years in Red Jail, Recounts Events of Arrest

Released Briton Describes Ways of Communist Justice

By Kenneth Sheppard North American Newspaper Alliance.

LONDON, Sept. 14.—Three Casa after Edgar Sanders walked e it aciers the Phintainan border. en his way home to England, I sat with him in a tiny room inse the bewildered, unkempt political pissoner who had been is-iving 13 years' solitary confrement and then been suddenly ipardaned.

Here was Edgar Sanders, the Beitish busineseman, immacu-

This is the first full interview given by Edgar Sanders, British businessman, since he was sentenced to 13 prost on espicaege charges by a the restaurants and bars I used Budagest court in 1949. He was A in England.

lately dressed in a new light brown suit, a cream shirt, and brown tie-a Sanders who had not ferzetten how to laugh, to be writy at the expanse of his late "hosts;" a self-assured San-

His face still bore the paller of the prison. But he talked. How he tallied!

For three and a half years he had been an oyster, not allowed to see or speak to his fellow: prisoners, not even allowed totalk to his guards, who watched him night and day, except to sak for his meals or to renew his books.

#### Glad to Hear Own Voice.

Now he talked like a man to whom it was very satisfying just me a receipt. to light his own voice again.

In Hungary, he said, his firm, American-owned Internathera! Standard Electric Co., toser of being nationalized.

Birnotiations were started. The tinnient became impatient.

"Robert Vogeler (who was senleared in April 1951) was always. I left instructions with think and Budapest," said Mr. my nivest. of Vienna and Budapest fac- ; was American,

the time. It was open shadowdesigned to get on your

of cicaliv I presume be. Chivton Hamun-a tourh little the political police knew Hashman and a real nice fellow!



EDGAR SANDERS.

more or less as clubs in which selegated a few weeks ago and now i I met my friends. I never deviated from these places.

### Vogeler Picked Up.

"Vogeler was leaving Budapest for Vienna on Friday, November 18, 1949. He was picked up by the political police somewhere outside Budapest-I never knew where.

ing. Saturday, when I was 18, 1950.
wakened by the telephone. It Interrogation usually came at was Mrs. -Vogeler. She wanted night, when a man is not so alert.

"On that Saturday morning: (who stood trial with Mr. Sanders), was arrested in her flat, then jailed. The detectives then went straight; files, took them away, and gave clothes in the midst of a bitter

"We did not work on Saturdays, but I was notified by telephone at my villa by the housekeeper of the flat in which my erther with other foreign firms office was situated. My houseto the country, had been in dan- keeper. Anna Kliebel, witnessed the receipt for my files.

"Then I knew I should be draft agreement was initialed picked up. I knew it was only and sent to New York. There was a matter of time. I was just a chay and the Hunzarian gov- waiting for the political police

to pounce.
"I spent the week end packtenied to 15 years and was re- ing all my edds and ends and sommy and going between Vi- housekeeper what to do after

"On Monday morning, Novemstee of the Budapest factories, ber 2, 1949. I reported the arrest the large not a technical man- of my secretary, and the takingit's an accountant. Voteler was away of my files, to the American immediate circl. in charge can Embassy—as my company

Howas followed around all was still at large!

### Went to British Consul.

"From there I went to the 1 A I was shadowed only British contul, Lt. Cemdr. Revell

1-and told him what had hap- Thinrarian winter And the peach.

"I told him that I expected "Can you improve what it to be exceeded at any moment like-questions, que tous, exas the flast of the Moliteans' of tions? Mostly they seemed the International Standard Lice relevant; you hever knew a trie. I also arranged with him they were trying to ret at

person at midday and at 6 p.m. taults. every day.

a five-minute lan, he would no to my villa, collect all my be-Hongings and take them under of police, visited me three three

"At 10 minutes to 6 that same evening I was on my way to report that I was still free although I had been tailed all day. My shadower thought he was un- were trying to breek my news. seen, but he was a clumsy fellow.

"About 40 yards short of the British consulate, just as I was another man came into me call about to cross the road, a small . For three whole days he internaprivate car drew up. Out jumped a man who told me in Germani; Tam a policeman. Will you step out to be my judge. into the car?

Ten minutes later I was in the political prison.

"They searched me: took all my valuables-my ring, cigarette sation started.

#### Questioned Three Months.

"For three months exactly the new where.

interrogation continued. I was
fi didn't know of his arrest picked up on November 21, 1949. until two o'clock the next morn- ; and my trial started on February

to know where her husband was. The sessions lasted anything between six and 34 hours nonstan my secretary. Mrs. Agatha Zado: and took place in the small, cold, unventilated cell where I was

"I had to sleep on bare boards to my office, collected all my with only the semblance of bed-

was shockars.

, the time they had his hed = 1. I should report to him in the I was turning in atal terms

"They did not, in fact, phy 2. Should I not appear after cally torture me-sut 1 was threatened.

"General Gabor Peter, etele; the care of the British consulate. Each time ne timentened me with physical violence if I befuled to answer cuestions e: gave false answers.

"During all this time the was never alone. My stocktier: was with me night and day.

"A few days before the to gated me and reliesesed me in my answers. That man turned

"It came to a much when I "Struggling was, I knew, use-, thought they would start malless. There were two of them, treating me. I had a liver complaint and I was eating very little. I was terribly herven.

"I was so nervous-I had zero neen in a court bifore-that case, even my key cham. Interro- could not stop shaking. I asker athem for tablets to take during the trial to steady my ner es They refused And although they gave me a double brazzy : did not do any good."

During his trial Mr. Sander: agreed with every set of trustr with which the public presenter Dr. Gyula Alapi, charged him Alapi was the man who bac prosecuted Cardinal Minder to a year before.

Mr. Samiers siso implimited Mr. Vogeler, and named a name ber of officers in the furmer British Military Mission &

(See SANDERS, Fage A-3.)

## ROUTING AND RECORD SHEET

INSTRUCTIONS .- Officer designations should be used in the "TO" column. Under each comment a line should be drawn ecross sheet and each comment numbered to correspond with the number in the "TO" column. Each officer should initial (check mark insufficient) before further routing. This Record and Routing Sheet should be returned to Registry.

FROM:			•	•	15538
	9 - 9	I N	1:2	Nω	DATE
70-	ROOM NO.	D.	TE SON MARDED	OFFICER'S INITIALS	СОММЕНТЗ
1.	രമാമവ			٦.	$\neg \rho  \rho \rho$
2.	CELONIC)		·		Plan Ile
3.					Droile Waxting
4.		•			
5	·i		·		
6.	•			•	
7.					•
•				•	
8.	•	•			EF 17
9.	•				11/180
10.				1 (	Sanders   =
11.,				tist	gary, and a British scien- who never even existed. He essed that his job for the in Budapest was merely a for a box of chocolains," he s
12.		· ·		w w	Explains Confession. most expensive made in II hy did he "confess" to ab-
13.				man one gidd	secause." he said, "when spring mattress; he was allow questions are fired rapidly to choose his own from mother the other you get menu, was given 25 clearfied y, turning constant mental day. At first he was allowed
14.				know state conf	resaults, and before you exercise for an hour. Enter where you are you sign was cut eventually to 20 min ements which are later called essions."  Now that he is tack in I
15.	•			San	n February 21, 1950, Mr. land for the first time for ders heard Supreme Court to Olty sentence him to 13 years what are his plans? s' imprisonment.  "A holiday—a long heliday

FREE M 153 51-9

. . . . . .

RESTRIC modulated. He knew Mr. Vogeler "And I hope soon that a was in the next cell but one, because he recognized his footnews is concerned."

2.53

TO: Lirector of Cocurity
FROM: Chief, Tochnical Branch, 50

- 1. This is to remind you that there will be an ARTICHOWE Conference on Thursday, 24 Contember 1953, at 2:00 Fm in the 50 Conference Loom, 2055 I Building.
- 2. If you wish to put anything on the agenda, present any special tools or require information in connection with this Conference, please call and a Extension



14 September 1953

CC: Deputy Director of Security
Chief, SRS, SO
AISI, CSI
AD/AISI, OSI
Chief, Medical Staff
Chief, PD, MS
Chief, ISS
Chief, CD, TSS

17 September 1953..

MEMORAHDUM FOR RECORD

SUBJECT: Conversations with

Detailed and valuable information has been obtained by on "Big Switch" as a result of his interrogations of PCW's on the return voyage from Korea.

- 2. I endeavored to have arrangements made for the data brief to but the but they are holding all information and will not release it for several weeks. The detailed information has been given to Mr. Helms, and the does not know whether or not the DCI has been advised.
  - 3. is being sent out of town on leave for 10 days.

Scientific Adviser Scientific Intelligence

Distribution: Opns/SI - 1 AD/SI - 2

OSI (17 Sept 53)

and the second s

. م -ARTICIONS Conference, 20 August 1953.

- 1. On Thursday, 20 August 1953, between 2:00 FM and 3:45 PM, and Afficiant Conference was held in the SC Conference Room, 2065

  I Duilding, Present at this Conference were and the and representing TSS; Described and Described and Performenting TSS; Described and Performenting the Medical Staif; Performenting the Director's Office and OSI; and Mr. Transconting DDP.
- - 3. It is brought to the attention of the group a cable concerning the concerning that the concerning the concerning that the concerning the concerning the concerning that the present stock be sent to this country. The concerning the considered which would not involve the Alency.
  - review of interested areas of CLA and re-defining in a discussion of the review of interested areas of CLA and re-defining interested areas of the presented a nerorandum to the interest committee which he had prepared as a recommendation for acceptance of these sime and responsibilities.

\* Reserch Project A

1.53-211

the other offices' functions might be more clear. defined in order that the paper would clearly indicate that "we are all working together on a sound basis." It was decided that would prepare a paper embodying the principles of Mr. paper and those empressed in memoranda of the Director of Security dated 15 July 1953 and 25 November 1952.

- sideration should be given as to whether "brain washing" be named as a responsibility of Anthonia. His comments indicated a fast amount of interect, study and research on the subject but the lack of an assessity point seemed obvious. The subject, saw actively engaged in study and research and folt that wastered about not be delegated to accept this responsibility. The subject are information the many remifications of the "brain washing" notheds and techniques and felt that some group should receive complate information for professional evaluation and discontinuation of the information to all. A general discussion them followed with the decision that the subject of "brain washing" should have a clearing bones within the Agency and that the Agency and the Ag
- 6. As mentioned in Paragraph 4, Interest in suggested that the Chairman appoint a committee to review. In suggested paper with the thought in wind that also and responsibilities of each office, including the Director of Security, be note clearly defined, and the paper finally to indicate positively that we are working in complete harmony. Further commenting, that we are working in complete harmony. Further commenting, from points quite well but agreed that other offices have responsibilities which should be accepted. In the same also recommended that more extensive exploration of cortain chanicals be carried on. He stated that this is compthing tangible and "something we can sink our teeth into."
- known that he was familiar through past experience with the application of anytal and pentothal. He further stated, in his opinion, we don't have a weapon which is ready to use. In agreement with the stated promptly so we can evaluate the use of chemicals, either known or unknown, thereby emabling us to state positively whether or not we have a weapon of value. The further added that as previously discussed, he felt that he had made an overture to secure permission to set up testing and research facilities within the Agency to help evaluate material developed. This has not been approved by the Airector as Jet.

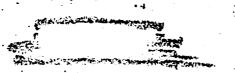
the Research Project &

53-2/2

8. At this point, and a strongly recommended that these teams gather all information of value in order that it could be disseminated to all.

Marie Continue Contin

- as to how amounty resourch using Agency personnel would be carried on for prosentation to the Director. He then suggested that a committee of the possibility and one names of the Hodical Staff prepare such a proposal for review.
- 10. Placed that Top Secret clearance had been obtained through the Security Office and he felt that if Propagations are properly briefed, his services could be utilized further and recommended that he be permitted to conduct such a briefing. This was manifectly approved.
- 11. The nearling was adjourned the approximately 3:45 Mi. The nearly needing was scheduled for 24 September 1953 at 2:00 FM in the 50 Conference Room.

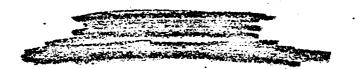


53-2/3

## MUNIA - Project Final D 2h teptember 1953

A STATE OF THE PARTY OF THE PAR

- 1. Report of Security Officer on trip to
- 2. Miscussion of restatement of aims and functions of Project
- 3. Technical staff comments.
- 4. torracts.
- 5. Medical Divinion comments.
- 6. Operations comments.
- 7. Pirector of Security exements.



Musher 259)

10: Director of Security

FROM Chief, Technical Eranch, 50

1. This is to remind you that there will be an ARTICHCHE Conference on Thursday, 22 Cotober 1953, at 2:50 Fit in the SC Conference Ross, 2065 I Duilding.

2. If you wish to put enything on the agenda, present any special topic or require information in connection with this Conference, please call when on Extension

16 October 1953

CC: Decuty Director of Security
Chief, SES, SO
MSI, OJI
AD/ADSI, CSI
Chief, Mcdical Staff
Chief, FD, HS
Chief, TSS
Chief, CD, TSS

Ossice Mennorandym · united states government DATE: 6 Cotober 1953 F.

FROM

SUBJECT: Attached copy of letter dated 2 July 1953

is the outstanding expert on Erythrina alkaloids in this country, and has published 10 to 15 papers on the subject.

The dried extract apparently does not contain the narcotic substance which an extract of the fresh flowers would contain. This is being handled by Gottleib in TSS.



July 2, 1953,

the the table of table of the table of his associates, washington, D.C., and two of are deeply interested in some of the hypnotic properties attributed to decetions of fresh Enythrina flowers or other plant parts.

I have discussed this with them and explained that we in the have not been successful in demonstrating these effects with dried raterial. They would like to visit begin active research aimed at isolation of the principle causing the activity if they could witness it.

Perhaps you would be willing to arrange for an interview with them in August or at your early convenience. Fould you be kind enough to inform me if a demonstration of this drug activity can be arranged?

Sincerely yours,

21 October 1953

262

Chiof, Security Research Stuff

Chief, Technical Branch

ARTICHOME Conference, 24 September 1953.

1. On Thursday, 24 September 1953, between 2:10 PM and 3:45 PM, an ARTICHOKE Conference was held in the SO Conference Room, 2065 I Puilding. Present at this Conference were Mr. and representing SG; Dr. Sidney Gottlieb representing TSS; and representing the Medical Staff; and representing DDP.

Later to the second second

- trip to with the learned in connection with the ARTICHOLE nothing of interest was learned in connection with the ARTICHOLE problem. He concluded by stating that since the project was primarily for the purpose of gaining information on so-called "brain-washing" techniques, further comment was unnecessary.
- sented and it was decided that further discussions would be held up until be return. It was further decided that all unfinished business would be taken up at the next regular ARTICHCKE meeting which was scheduled to be held at 2:00 FM on Thursday, 22 October 1953 in the SO Conference Room.



## · AGENDA - ARTICHORE MEETING 22 October 1953

- 1. Introduction of new DD/P Representative.
- 2. Discussion of LSD.
- 3. Discussion of Dr. trip.
- .4. Discussion of restatement of aims and functions of ARTICHORE.
- 5. TSS comments.
- 6. OSI comments.
- 7. Medical Division comments.
- 8. DD/P comments.
- 9. Director of Security comments.

atich de Tie

23 October 1953

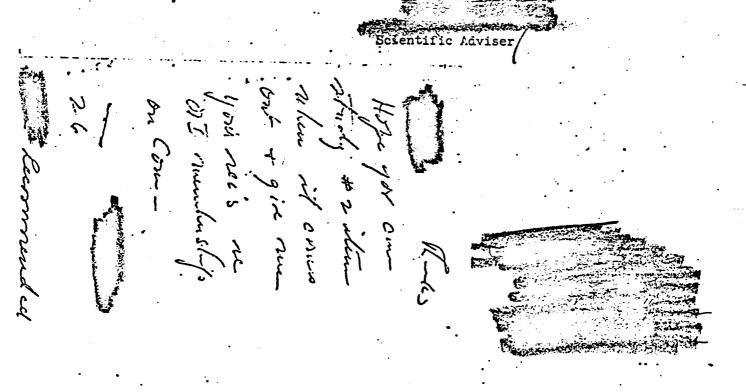
MEMORALIDUM FOR RECORD

SUBJECT:

Project ARTICHOKE

1. The last meetings of ARTICHOKE have been general in character and have contributed little definite information. TSS is continuing to work on their substances, but have had little success with practical testing.

- 2. I&SO has prepared a new set of "by-laws" for the Committee, which will include approval of testing of drugs on volunteers among Agency personnel.
- 3. I have recommended to I&SO that in the rewrite of their constitution they include brain washing as part of the responsibilities and activities of the ARTICHCKE Committee. This has apparently received favorable reaction among the group present. The new charter is to be sent out within 10 days for study.



0/6:

INTERCTIONS: Officer designations should be used in the "TO" column. Under each comment a line should be drawn acro-to facility reputate. This Routing and Record Sheet should be returned to Registry. 71:4: 0/AD/ST (SA) DATE R00% OFFICER'S 10 INITIALS Duft ractors

(Hand Cirry)

(2) Willyon fundament in woolsid in 16. and wit se wholes to see 12 Nov. 55: Cos Start will wogerne court ٥. All Ogs will have to program. provide an observor for tusts, I, D, E, ") 10.

# 1 11 12 10. S1-10

Charles For

Product St. A. Comment

Efec 21 .-

29 October 1953

PERCENTUM FOR RECORD

SUBJECT: Project ARTICHOIE

1. Two memoranda have been submitted by the ARTICECKE Committee;

- a. "Restatement of ARTICHOYE Program," was approved by an approved on 27 October, with the suggestion that it be issued over the signature of DDCI or DCI.
- b. "Experimental Project Utilizing Trainee
  Volunteers," was also approved by the on the
  same date, with the suggestion that a representative be
  nominated by Operations Staff/SI to cover OSI's interests.
- 2. Both draft memoranda are to be returned to the ARTICHOKE Committee.

Scientific Adviser Scientific Intelligence

Distribution:

AD/SI - 2

Opns/SI - 1 - Line to the state of the state

OSI (29 Oct 53)

and the transfer of

Condination Condination

. .

23 October 1953

MEMORANDUM FOR RECORD

SUBJECT:

Brain Washing

among various people in the organization, both in DD/I and DD/P.

is has had considerable to do with it.

is interested, and they have a continuous continuous they are trying to make the brain washing expert. He has been told that he should take six months work in psychiatry in order to become experienced.

Instader,

his responsibilities. I have recommended to him that he use Hospital/New York, N.Y., and Hospital, New York, N.Y., as his advisers and consultants. Both of these men are fully cleared.

3. It would be much wiser, in my opinion, to use consultants of the above caliber rather than psychiatrists in the Medical Office of the Agency.

Scientific Adviser

Distribution:

SA-AD - 1

AD/SI - 1

OSI (23 Oct 53)

Pat-

To relien attention skirel I bring #3? Jugue heartily

de fare toure enter

The second of the Modern of Contracting

268

23 October 1953

arterior

MEMORANDUM FOR RECORD

SUBJECT:

Meeting in Director's office at 1100 hours on 23 October with Mr. Wisner and

1. Following the discussion at the ARTICHOKE Reeting on 22 October, had approached Mr. Wisher'on the advisability of purchasing the 10 kg of ISD from

Comments of the Circumstance of the Circumstan

Scientific Acviser

Distribution:

SA-AD- 1

AD/SI - 2

OSI (23 Oct 53)

Director of Security TO:

FROM: Chief, Technical Prench, 50

1. This is to remind you that there will be an ARTICHERN Conference on Thursday, 19 November 1953, at 2:00 HM in the SO Conference Room, 2065 I Duilding.

2. If you wish to put anything on the agenda, present any special topic or require information in connection with this Conference, please call on Extension

13 November 1953

CC: Deputy Director of Security Chief, SES, SO MIDSI, COI AD/ADSI, CSI
Chief, Medical Staff
Chief, FD, MS
Chief, TCS
Chief, CD, TSS

16 Nevember 1953

Chief, Socurity Research Staff

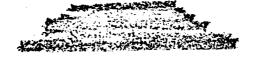
Chief, Technical Eranch

ARTICHEKE Conference, 22 October 1953.

- 1. On Thursday, 22 October 1953, between 2:00 Fil and 3:25 Fil, an AFTICHONE Conference was held in the SO Conference Room, 2065

  I Dullding. Frecent at this Conference were here conting SG; transport and representing CGI and RCI: I representing the legical Staff and representing TDG; transporting TDG.
- 2. opened the Conference by introducing who is to represent DEP in the future, replacing the United States.
  - 3. Fr. 2 then pointed out the known facts in the alleged offer of the second to cell ten (10) kilos of LSD. A general discussion followed which resulted in an agreement of all hands that:
    - 1) The Agency should purchase the LSD if possible and as soon as possible.
    - 2) Purchase price estimated to be (240,000 or less.
    - 3)
    - plans to the proper agency officials and obtain necessary support (fiscal or otherwise) and authorization for the operation.
    - possible in connection with 4) above was accepted and the same and the agreed to work out details in the immediate future.

For matter of record, it should be noted that it was agreed by all hands that the purchase of this material was a risky operation but since the dangerous potentials of the chemical were known and the



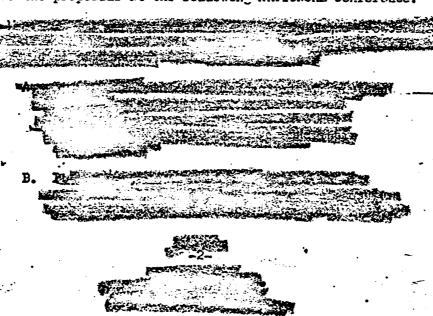
("acked")

mount offered of such size the jurchase was regarded as sound if for no other reason than a preclusive situation.

Leaving for the following week on personal business and had volunteered to visit some manufacturing firms and noted Eurosean specialists in commention with /EVICHONAL. In had offered to rake these visits on his own time and if necessary at his own expense, provided he had prior approval from Security and the ANTICHONAL Conference. It read a list of the firms and individuals that the season had proposed to visit. After some discussion, it was decided in view of the pending LED transaction in that it would be unvise to permit to conduct any business along ANTICHONAL lines in the conduct any business along ANTICHONAL lines in the conduct that the present time although his generous offer was greatly appreciated. In stated that if it was later decided that the contact of these firms and individuals appeared essential to the ANTICHONAL problem, the could be sent officially on this business from Headquarters, Mashington.

Note: \_\_\_\_\_\_was informed of the ARTICHCKE Conference decision in this matter on Friday, 23 October 1953 by

then briefly re-introduced the subject of the sims and the functions of the ANCICHONE program and announced that drafts of a paper in this connection would be given to all ANTICHONE Conference members for their study prior to the next ARTICHONE Conference. In addition, Wrange Stated a draft of the proposal for an experimental project using specially screened trained volunteers would also be given to the ARTICHONE Conference members at the same time. It is requested all members to examine the drafts, take any notes, corrections, additions, etc. and be prepared to discuss the proposals at the following ANYICHONE Conference.





else discussed the urgency of discovery of techniques and methods that would primit our personnel, in the event of their capture by the energy, to resist or defeat energy interrogation. In estated this was a true ARAICHORE problem and any technique or method that could further this should be explored. The edded that any method of "buying time" was essential in an evacuation and withdrawal problem.

7. The meeting adjourned at 3:25 FM with the agreement that the next resting would take place at 2:00 FM on 19 Movember 1953 at the same place.

(273)

# AGENTA - ARTICIPEZ PETTING 19 November 1953

1. Discussion of ISD.

2. Fire Interior restatanent of airs and functions - Fire of ALTICIONE Project papers recently circulated.

3. Status of HITCHIE tours. The think of Allery

- 4. TSS comments.
- 5. OEI comments.
- 6. Medical Tivision comments.
- 7. DD/P comments. .
- ...8. Director of Security comments.

Cardiol Orlichate



19 November 1953

MEMORARDUM FOR: Director of Security

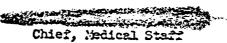
SUBJECT

· Project

PEFFERENCE

: Draft lamorandum to Project Representatives from Director of Security, subject: Project; Restatement of Program.

- 1. Reference is made in subject remorandum to the statement of functions, "The Chief, Medical Staff, will provide medical support for Project field teams".
- 2. The Medical Office continues to agree in principle to the providing of such support. It is the intent of the Medical Office to use the medium of oversees psychiatric teams to satisfy this requirement. The Project Committee should be aware, however, that the establishment of the psychiatric teams is not an accomplished fact due to Table of Organization difficulties.
- 3. Until the establishment of psychiatric terms is an accomplished fact, the Medical Office, while agreeing to support the responsibility and principle, indicates reservations in regard its ability of accomplishment.





53-243

(275)

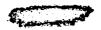
19 November 1953

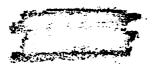
## MEMORANDUM FOR THE RECORD

The regular monthly meeting of the Project Committee was attended by Chief, Medical Staff, and Chief, Psychiatric Division, this date. At the meeting, C/MS presented the Medical Office position in regard the memorardum "Project" Restatement of Program". This position is contained within the memorandum for the Director of Security dated 19 November 1953, subject: "Project"

The Medical Office commented also on the draft memorandum to DCI from Director of Security, subject: "Project" Experimental Project Utilizing Traines Volunteers; to the effect that it was recommended the program not be confined merely to rale volunteer traines personnel but that the field of slection be broadened to include all commonents of the Agency and recommended that the subject memorandum be changed as appropriate to the broadening of such scope. The "Project" committee verbally concurred in this recommendation.

The Medical Office commented further on Item 3c of subject memorandum to the effect that the project would be nore appropriately handled from a medical view point if accomplished within established medical facilities and suggested that through its contact with a U.S. government agency consideration be given to the use of another U.S. facility for such purposes. Considerable discussion in regard this comment ensued and the Committee agreed as to the desirability of the proposal and requested that the Director of Security discuss this possibility with the DCI and notify the Medical Office if approval is obtained to proceed with the recommended content as outlined.





53-244

Collection (189)

ACEIDS - ARTICIDATE METTING
21 January 1953 1400 hours

- 1. Progress report on ARTICHORE by 1250.
- 2. Progress reports from other participants in ARTICHONE.
- 3. Presentation case histories by
- 4. Discussion plans for acquisition of field testing locations.

# PROGRESS REPORT - ARTICHORE as of 22 January January 1953

University

- 2. Mooting with the new atyunive sity of Minesoia Hoopital [hospital]
- 3. Recruitment of ARTICHO'E field teams in process with position of team leader for filled. Amaiting results of out-of-town interview by Personnel with respect to FE team leader.
- 4. Eypnotic consultant preparing a paper for use as guide to training in hypnotism.
- (b)(3) 5. Dr. on 23 December 1952.
  - 6. Hypnotic experiments continuing, three case histories will be prosented.
  - 7. Meeting with Civil Defense officials in regard to certain instruments available to that organization. Continuing limison turned over to Dr. The of Medical Staff.
  - 8. Final report on CREM case received.

(b)(3)

- 9. Various officials of Contacts Division/CO briefed on ARTICHOME to Assist them in supporting ARTICHOME.
- 10.2

# Office Mennorandum . united states govern

Assistant Director, Scientific Intelligence

DATE: 23 January 1953

FROM :

Chief, Operations Staff, O/SI

SUBJECT: Artichoke

1. As a follow-up of the 22 January meeting with the Artichcke Cormittee, I have forwarded to the the citation on the Raman report mentioned in Dr. Removandum of Ill Januar. I have also given to other committee members three copies of the memoranium.

2. In accordance with your instructions, I have asked Dr. to have prepared for the next meeting (19 February 1953) a report on our knowledge of the state of the art in Russia.

OSI/PGStrong:hm

Distribution: \_\_\_\_ will Prajet ARTICHOKE

Origland 1 - Addressee

1 - Subject file-Copy was dutaged when this copy was returned.
1 - Daily reading file - Dutaged & Now. 1984

Thanks. # 2 includes, 7 hope, any he received that many he promising for each technique or step in the process -

Jane : Think you phine to file

MEMORANDUM FOR RECORD

SUBJECT: Artichoke

1. On 12 January Willis Gibbons, Chief of TSS, telephoned me that the PDB study established through at DCI request has been completed. He said that HDB had requested permission to pass the study to the for information and wished to long if the CTL connection with the study to the CTL connection with the study to the CTL connection with the study to the connection with the connection w know if the CIA connection with the matter could be disclosed to SUIC I said that this connection should not be disclosed as we have been particularly careful to limit knowledge of our interest in the subject to the fewest number of people, even among those actually working in the study group.

Freign Service

2. At the Artichoke meeting on 22 January, indicated that the RDB study was not of optimum use in view of the fact that much information on classified work in progress had not been made available to the group. We suggested use of the regularly established Service liaison officers to determine what, if any, work in the field is presently being done by the Services.

Distribution:

Orig - Subject file Print FRTIER + ( flate me ford to 2/20/5/ 1 - Daily resident file to - 12 state ( flate me ford to 2/20/5/

1 - Daily reading file (Ductional 2 Mars.

1 - Chrono

	CPHMENT		Time
MEMORAHEU	III UF CALL	1/30/53	
70-	7		
YOU WERE		YOU WZ	EE VISITED BY-
	7.5	•	
<u>·</u>	1.3		
	Number or code		Extension
TELEPHONE:	A DISSESS OF COOP		
D PLEASE CAL	L	-	TO SEE YOU
B WILL CALL		☐ WISE25	AN APPOINTMENT
ARTURNING	•		
_			71-1
_	ZBSAGZ:	ritu you	1
Left Trus M	238402:		•
_	: ::::tlc::::	dam sout	
Left Trus M	: ::::tlc::::		
Left This M.	: ::::tlc::::	ింగా కంబి - - రాగత నిక్	
Less Tais M.  although the  Less Tolain	: ::::tlc::::	form sout n orre of	en engersaal

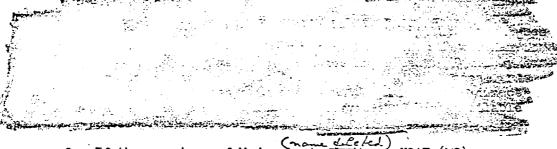
#### 14 January 1953

MEMORANDUM TO: DR.

SUBJECT

Interrogation Techniques

1. Dr. says his progress is proceeding more rapidly than expected. He has obtained excellent cooperation of the and is accumulating some valuable information on "Piule" and similar materials.



- 3. If the services of Major , USAF (1.0), a trained hypnotist can be obtained and another man well grounded in conventional psychological interrogation and polygraph techniques, and the services of Lt. Colonel , a well-balanced interrogation research center could be established in an especially selected location.
- 4. I wish to invite your attention to the need of more intensive exploration of techniques in use by the Russians and Satellites, including China. Apparently their major emphasis is on the development of especially trained teams for obtaining information without the use of narcotics, hypnosis, or special mechanical devices which require the services of specialists. Their methods produce results which meet their objectives. The methods can be employed extensively on large numbers of persons if required, without the use of interrogation personnel difficult to recruit. The Russians and Satellites can obtain results without the use of obsolete methods of physical torture, and it would be very difficult, if not almost impossible, to prove that they to not adhere to the "Geneva Convention agreements."
- 5. There is evidence that they resort to mental duress and probably the above special techniques, including narcotics or stimulants under certain circumstances, but not routinely.

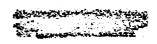


- 6. The latest information which has come to our attention on the development of teams is a report from the free point, China, which reports the arrival in Shanchai of a "confession gang" which has been working in Peiping. According to the report, the members of this team had special training in Russia, and can obtain confessions without the use of "old-fashioned torture or drugs to obtain any confession they desire." In one case, the prisoner was not allowed to close the eyes for 26 days.
- 7. We have had reports on the use of lights, but none on the effects of fast and slow intense flickering lights which work while the eyelids are open or closed.
- 8. Dr. Olivecrona, a Swedish physician who attended Stalin, says the Soviet method of obtaining information is a matter of "reactions following excessive fatigue due to loss of sleep, etc., and the threat of injury to family and relatives which was the dominating factor in breaking the morale."
- 9. N- allyl normorphine hydrochloride, C19H2, NO3HCL, has been reported by Merck as an effective analeptic agent, and has a respiratory stimulating effect against respiratory depression caused by morphine, Methadone, Dilaudid, Dremoran, Pantopon, Demerch, Codeine, Letopon, and Nisentil. It does not counteract non-narcotic agents. It is reported to be effective against lethal overdosage of the narcotics which might be used by some foreign countries. It is not effective against fatal doses of depressants of the central nerwous, respiratory or circulatory systems due to drugs other than the narcotics.



EL.





(131

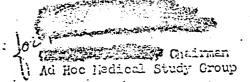
15 January 1953

HEMORANDUM FOR CHAINSLAM, RDB

SUBJECT: Emport of Ad Hoc Medical Saudy Group - Control

1. I am attaching the report (RDD 2h2/1) of the Ad Hoc Medical Study Croup the resulting from our study to determine whether effective and practical techniques exist, or could be developed, which could be utilized to render an individual subservient to an imposed will or control. The report, on the bacis of present knowledge, indicates all techniques and agents which may be applicable to this problem and contains comment on degree of feasibility of utilization and protection. Comments on the emisting, applicable military research and development program and recommendations for further premising research are included as are recommendations for the future of the study group. The report has been unanimously approved by the study group.

2. The group is prepared to study further the military research and development program and to comment specifically on projects. It is also prepared to study further the methods it has heard as to how screening and security indoctrination is accomplished and any related subject on which specific information may be desired.



(b(3)

192

Lot No. 52-2101E

Report of Ad Hoc Medical Study Group

21.2/12 care

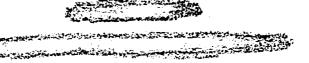
#### MADEL OF COMPATIS

			Faco	
	•	•	<del>-</del> · · - ·	
1.	Existing Techniques and Agents		. 1	
2,	Comments on Existing Programs		6	
3.	Recommendations	:	8	

#### APP. DICES

- A. Military Research and Development Projects of Interest to EDB Ad Hoc Medical Study Group
- B. Roster of Study Group
- C. Schedule of Heetings

RI:B 242/1



these means can also be effective. Given sufficient time and the essential interrogative skills, it is possible to elicit by persuesive methods, without the use of chemical agents or severely punitive means, much of the desired information from almost any person.

#### 1.3 Usufulness of Chemical Agents

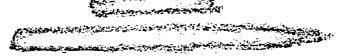
However, chemical agents prist such as: alcohol, cannabinel, caffeins, barbiturates, bennedrine, diethyl amide of lysergic acid (LSD 25), mescaline, and hyeseine, and it is altogether likely that others will be found, that hasten or facilitate the precess of persuasion.

It must be emphasized, however, that the pharmacodynamic actions of these agents do not in themselves prevent an individual from lying or withholding information. Such chemical agents have been found helpful in allowing an individual to empress himself when, for whatever reason, he is ready to yield.

An atmosphere of friendliness and sympathy promotes the exchange of confidences, a feature of human nature which is profitably emploited in the obtaining of secret information. Again, certain chemical agents can be used to promote feelings of serenity, well being, comradery, freedom from restraint and amxiety. On the other hand, chemical agents as ancillary means of interrogation may not only fail to yield rich rewards, but may actually block progress. For example, anxiety or panic induced by the awareness of being "drugged" may cause subjects to become especially suspicious, cautious and tacitum, thus defeating the purpose for which the agent was given and jeopardizing, future chances of success.

2

NDB 21:2/1



#### 1.4 Subsequent Unsurreness of act

As regards the diving out of information and having thereafter no imposhedge of the deed, several points are femiliar:

- (a) One may simply by talking conversationally (especially to a skilled interrogator) say something unknowingly which may be of great use to the enemy. Certain chemical agents by increasing talkativeness may augment this process.
- (b) Secret information may be told outright and forgotten by the teller through mental processes of repression. Here, too, the involved mental processes may be furthered by chemical agents, making it easier to forget that one has revealed information.
- (c) It has been suggested repeatedly that "subtle" and even "occult" means such as "Plack Psychiatry", hypmocis, "secret drugs" and brain demaind procedures are being used by unfriendly nations to make an individual "say and do things against his will". Some of these means are conceivably being tried but they seem elaborate, impractical, and unnecessary in order to cause a man to reveal secret information. It cannot be predicted that the methods will act on every man in the manner desired. Further, it is extremely likely that equivalent results would be achieved by experts using the simpler and tried methods mentioned above.
- .(d) The hypnotic state has been singled out by some as being specifically pertinent to performing acts against one's will and having thereafter no memory of the act. Through its use certain individuals can rarely be induced under specific conditions, to perform acts concerning which there is much conflict in the mind of the subject; (i.e. sexual

3 IDB 242/1

indiscretion. or perversions, nets of violence against members of the family, rivals, enemies, superiors, or intinates). Post-hypnotic suggestion may operate for some days under these circumstances, and be followed by annesia. But even more rarely would bets of treason against the state or sabotage occur under these conditions and only if the individual capable of being so hypnotized were in great conflict about his loyalty. The practical importance of such phenomena as regards loyal persons or these of undivided loyalty is negligible.

Further, by a combination of methods an individual with conflict concerning his loyalty may be induced to commit acts of treason and thereafter have no knowledge of the act. But again, such a possibility is considered to be remote and practically unimportant among these with undivided loyalty.

#### 1.5 Damaging the Person

Success in suitably influencing persons depends on exploiting already familiar facets of an individual's nature. Dataging the person, as in delirium resulting from toxic amounts of chemical agents makes the individual of little practical value as a source of information or an agent for treason. Furthermore, demage to the brain by surgical, chemical, or physical means (e.g. electrical, ultrasonics, freezing) while it semetimes lowers restraint, may also reduce the capacity to remember. Experience with prisoners who have had demaging brain operations is not available, but experience with civilian patients who have undergene such operations does not suggest that those procedures make an individual any more likely to reveal confidences of an important nature. It is a fact that such opera-

4 RDS 242/1

1.9 The Committee recognizes but reiterates that the most important to two of indectrination and protection against persuasion are high morals and firm discipline. These strengthen those features of human nature that may, when weak, be exploited by the energy.

#### 2. Ucments on Existing Programs.

The applicable and related military resourch and development projects, as indicated in Appendix A, have been reviewed as to content and susceptibility to ascertaining whether effective and practical techniques exist, or could be developed, which could be utilized to render an individual subservient to an imposed will or control.

Although the present state of knowledge indicates little threat, if any, to National Security, through special "interrogation" techniques or agents, it is the considered opinion of the study group that the existing programs offer little hope of establishing the existence of, or of developing, effective and practical techniques or agents. Much work is required and many promising avenues of approach are available for research which are not being followed. Promising areas of research are indicated in Section 3, Recommendations.

Specific comments on the content of existing projects follow:

2.1 Massachusetts General Hoseital (Beecher)

Studies, such as this, on the psychological effects of chemical agents, are of minor value when accomplished without detailed knowledge of the personality structure of the individual tested and his mental state at the time of administration.

RDB 242/1

1000

#### 2.2 University of Mochaster (Wendt)

particularly as adjuncts in interrogation has revealed little new in mothedology and results as thus far presented. Intensive experimentation with chemical agents as potential adjuncts to interrogation was carried out during World War II. A series of agents and combinations of agents were tested and little of practical importance was revealed. Although not released for publication, these data are available to responsible persons. Much waste and repetition could have been avoided if this material had been thoroughly familiar to those who approved and undertook such experimentation.

It is understood that this study is being terminated.

#### 2.3 IMRI, Bathosda

Early (1947) MMRI studies of drugs reported to be utilized by the USSR in interrogation procedures revealed that these drugs played little part in such procedures. Work became inactive due to lack of subjects. Reactivation in 1950 resulted in University of Rochester (Wandt) project. Little, if any, work applicable to interrogation is presently underway at NARI.

### 2.4 Indiana University (Ellson)

On the basis of present knowledge, it is not considered profitable to pursue studies aimed at adding additional biological, etc. indicators to the polygraphic techniques in order to make such techniques more precise. It is understood that studies to date under this project have reached the same conclusion and that the project will not be extended.

RDB 242/1

#### 2.5 John E. Reid & Assoc. (John E. Reid)

This is a new project aimed at use of feedback dulay to develop a stress situation and although promising cannot be evaluated at this time.

erica armiti grafik

2.6 Army Chemical Center (Psychochemical Warfare)
- New York State Psychiatric Inst (Moch)
- New York State Psychiatric Inst (Landis)
- University of Johnan (Severs)

These projects comprise the Army program on psychochemical warfare and as such are not directly applicable to interrogation techniques.

Results may be applicable and should be closely followed by those responsible for the development of interrogation techniques.

#### 3. Recommendations

- 3.1 Those having to do with immediate military needs.
- (a) Skilled and experienced interrogators, as well as those who have been exposed to enemy interrogation should be encouraged to analyze, with appropriate scientific support, their own and each other's methods and experiences with the aim of formulating procedure for purposes of instruction and protection.
- (b) It is recommended that a careful analysis and evaluation be made of the pertinent factors in those cases where individuals have proven to be poor security risk after having been ascertained as a good one. This would add greatly to the usefulness of existing methods and indicate areas to be emphasized in collecting data. Prevision should also be made for a continuing follow-up study and report, after entrance on duty, of these considered initially to be in the "doubtful" or "borderline"

RDS 242/1

· (3):

catogory ..

- (c) For investigations designed to improve methods of interrogation, study under field combitions and near depots of recently captured prisoners of war is strongly recommended. The opportunities now made evailable by the situation in Korea should be immediately utilized by assigning appropriate research teams with adequate freedom of movement for this purpose.
- (d) It is suggested that research design be incorporated into the operations of intelligence agencies and advantage be taken of the stressful aspects of the polygraphic test situation and preliminary and attendant interviews with the aim of coordinating this information with the psychiatric and psychological approach.
- (d) The Study Group wishes to emphasize the importance of the utmost core in screening and selecting of persons who must be entrusted with secret information and exposed to dangerous pressures. It also wishes to express confidence in adequate life history studies and character appraisal as the best, though not infallible method of selection.
- (c) It is realized that the enemy will continue to contrive new devices that bewilder, frighten and injure. Indoctrination precedures should take into consideration the fact that the best protection for the exposed individual is high motivation and familiarity with persuasive techniques, drug effects and other assaults plus an awareness of the limitations of these measures in the face of firm personal discipline and high morals. It may be important to know that even the intensity of pain has a ceiling beyond which further increases in stimulus do not yield

10B 2l<sub>1</sub>2/1

A training

any greater intensity of pain.

3.2 Those having to do with the collection of data which may improve basic understanding and thus ultimately prove to be of military use.

- (a) To increase understanding of the mental processes involved in the retention and revolation of secret information, intensive studies of the action of chemical and physical agents on neural and psychological processes should be fostered. Studies on psychological effects of chemical agents are of minor value unless much is known of the personality structure of the individual being tested and his mental state at the time of administration. It is strongly recommended that better criteria of behavior be developed.
  - (b) It is equally fundamental to promote investigations on the nature of interpersonal relations, with the aim of establishing the underlying principles of human behavior, their limits and applications.
  - (c) It would be particularly relevant to study persuasion, seduction, and resistance as they relate to individual values, loyalities, attitudes, and opinions.
  - (d) Studies on patients with psychoses simil at ascertaining how chemical agents augment specific features of disturbed mental processes and behavior are approved. It is hoped that suitable assaying and testing procedures will be elaborated by the investigators, since unless such methods are evolved, relatively little advance will have been made.

### 3.3 Recommendations Concerning the Future of the Study Group

The Ad Hoc Study Group recommends that hereafter no regular schedule of meetings be planned, but that the committee be called together when fresh information from the Armed Forces and the C.I.A. requiring interpretation

NDB 212/1

becomes available. Also, it is recommended that there be included in an erganization such as the Research and Development Board having intimate contact with the C.I.A. and Hillitery Services, an individual who will be responsible for bringing to the Committee fresh developments in civilian and military experience and scientific activity pertinent to the Committee's interests. Committee meetings could then be held presumably at long intervals, to advise and make recommendations. Also, the Committee at such occasions could review presentations of work under contract and consider projects to be undertaken. It is estimated that, barring onergencies, two meetings a year should suffice.

LDB 575/J



		1			19:
MONEY NO.	NR 173-181	NR 173-071	NR 143-060 (Joint A-A-AF	HAVY: 001-056.06	Contract No.
	Join E. Roid & Assoc., Chicago	Indiana University	University of Rochestor,	NMIL, Bethesda, Md. Cdr S. V. Thompson (iC) Lt. C. Savage (iC) Lt. H.D. Baldridge 1153, MR Consultant:	Laboratory or Contractor Investigator
	34	100 35	MY 100 150	300 300	Funds 5/1000 FY 151 FY 152 FY 153
KIDB 242/1.1	Interrogation algorices and procedures. Project to develop povol and sessily used methods of causing lying subjects to think they have betrayed themselves	petoction of deception. Joint 1.4-N-NF contract to determine reliable indicators for deception measurements through grapide recordings of physiological and rotor cordings of physiological and rotor appendences. Extended to 30 August 1932, will probably be removed for additionally year.	FY 152 Funds: 9-1-51 - 7-31-52 IY 153 Funds: 8-1-52 - 1-31-54	Evaluation of the effects of cartain drugs on the performance of personnel involved in Maria.	Scope and Status
					A. C.

1:DL 21,2/1.3

APPENDIX C

SCHEDULE OF RELYINGS

First meeting - 15 August 1952

Second musting - 1 October 1952

Third meeting - 11 November 1952

Fourth meeting - 9 December 1952

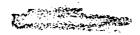
Magnington 7, D. C.

February 5, 1953



I would appreciate it very much if at your convenience you could give me an idea of unon you will have available the final reports on the project you have been carrying as fer us. From our last telephone conversation, I had the impression the matter was in its final stages and for planning purposes, it would be helpful to have the above infernation.

Very truly yours,



OSI/POStrong: bid

Orig - Addressee

1 - Subject to 1. 1450, 1450, 146, 146.5-53

1 - Daily Recding - The Project First Eliene & Chrono

1 - Chrono

THE POR PERCENT

: ...... Artichoke EPlastic J Project MANE P

, la 2. When the called me yesterday to say that a completed his work and is now preparing his final re-said that as soon as this report is received, he will so over it and prepare "simple findings" to report to picting the report and suggested that we might bring some pressure to lear to accelerate his efforts.

2. Exercised receipt of my check and said that the sum was sufficient to purchase the materials from which they manufactured the heavy water needed.

Distribution:

Orig - Subject ARTICHOTE

1 - Mr. TASO

1 - Dr. 0/5I

1 - Daily Reading + Destinged 8 11 w. 1954

1 - Chrono

OHFOU LYRUPTORG FUNDITO " UNIXED SI LES GOVERNAMINT

ro : Chief, Security Research Staff, TAS

DATE: 13 February 1983

FROM 1

Chief, Technical Branch, SRS, IAS

SUBJECT:

ARTICHORE Conference, 22 January 1953 (Informal Report).

(195

(b)(3)

- 1. On Thursday, 22 January 1953, between 2:00 and 1:00 PM, a general conference was held on the ARTICHOKE Project with the following individuals present: Messrs.

  and representing I&S;

  representing CSI;

  senting the Medical Staff;

  ARTICHOKE Project;

  Reserved to the Kedical Division.
- 2. The conference was opened by giving a progress report on the ARTICHOKE work since the last conference. covered the following items:
  - A. Recruitment problems for the overseas ARTICHOKE.

    the explained that ARTICHOKE believed they had obtained the proper individual to handle the interrogation-administrative and at the but the Personnel Division had not as yet made contact with the person under consideration for the Tokyo assignment.
  - B. stated that the report from from professional hypnotist and consultant to this Agency, has not yet been received.
  - C. communication from the indicating the trip was progressing and requested some assistance.

    (This request was carried out and the necessary documentation was sent to to arrive in the probably Thursday, 12 February 1953.)
  - D. then explained that hypnotic experiments were being continued and stated that would give a more detailed report on hypnosis.
  - E. explained that we had recently concluded an agreement with Civil Defense involving one of their specialist's work in the field of instrument experimentation and work is progressing excellently on an automatic injection device related to the ARTICHOKE work. This work is being handled very

successfully by the Nedical Division.

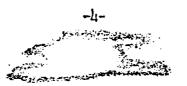
- F. C.
- briefed certain key officials in the Contact Division on ARTICHORN, including Chief of CO, to enable them to more efficiently carry out liaison and contact work for ARTICHORE in the future.
- relation to the ARTICHONE work. He stated that the work of the war in was going more rapidly than had been anticipated. The and Army post-chiatrist, who did special work in Gernany and could possibly be used to do related ARTICHONE work. He is described as a specialist in the interrogation field and the also mentioned the program. The and his possible use to the ARTICHONE program. The is a trained hypnotist and, in addition, is regarded as a competent polygraph operator. His services could be made available on a part-time basis.
  - discussed some information to the effect that teams were being trained in USER and China concerning the use of drugs and hypnosis in interregation. These teams are specially trained and do not use physical terture although mental durass is used. There is a report cut of the on "Confession Cang" training in USER and particularly use of special lights or techniques involving lights for as long a period as twenty-six days on certain subjects. The also mentioned there was a Swedish physician who had done remarkable work on fatigue. The and the stated that me organization had discovered some counter narcotic drugs recently but details were not given.

The second of the second of the second

2)/ b)(3)

- 7. In continuing the discussion, experimental the position of ARTICHOME and Security insofar as collection of information is concerned and stated he could see no reason why the medical doctors in the field could not be instructed to collect and pass on information of interest along ARTICHOME lines. Stated he would propare a paper on the general collection of information along ARTICHOME lines.
- 8. stated he felt that certain doctors could be given special briefings concerning ARTICHOKE but that this could only be done if all factors were settled and if they had FI (?) clearance.
- 9. Discussion then occurred as to what channels would be best to convey pertinent information back to Headquarters and reconvey stated he saw no reason why the usual medical channel could not be used.
- 10. At this point, introduced the memorandum of dated 22 Becember 1952 concerning the possible teaching of the ARTICHOKE techniques to medical officers in the field and restated he wanted to take this matter up with the separately upon his first return.
- 11. was asked if he had any comments and he stated he had none. was asked the same question and stated he was attending in the capacity of observer only.
- 12. At this point, there was a general discussion concerning work carried on at Edgewood Arsenal and at Camp Dietrich and the special use of Camp Dietrich and Di
- 13. Following this, stated that the ARTICHCKE organization had been studying use of certain facilities in the United States as testing grounds for new ideas, experiments, etc. particularly using criminals and the criminally insane. He briefly touched on the work at the transfer and also the possible use of the tand the

- The discussed the nation of the possible briefing and training of our top personnel on how to resist interrogation by the energy. A general discussion followed this and training along these point that there was a grave question whether any briefing along these lines would do much good. It is felt a study could be made about ways and means for our people to be inconspicuous and not susceptible to exposure. It is concluded by suggesting that all hands present any new problems that might come up at the next meeting for general discussion.
- all persons involved were doing in this work and suggested he thought it would be a good idea to place this on the agenda for the next meeting. He would also like to know the status of the Side for the next meeting. Project-OIR contract) and also what OTS and the status are now doing.
  - 16. The meeting was concluded by the giving a resume of the work in hypnosis that had been carried on to date by the ARTICHCKE Staff and particularly stressing the example of three good subjects and their capacity for doing advanced hypnotic work.
  - . 17. The next meeting was set for 19 February 1953 at 2:00 PM in the Conference Room of T&S.



176

### ADDIDA - ANTICHOND LEVILING 19 February 1953 1400 hours

- 1. Progress reports on ARTICHOLD by 1&50.
- 2. Progress reports from other ARTICHORE participants.
- /3. Comments on RDB report by
- h. Discussion of request by AFTICEONE Liningson Offices of USAF and Army for memorandum from CIA to affirm
  - 5.
  - 6. [Discussion-of-EXPLASIVE-Caso] [Unvelcial Case]

## PRESIDENCE - ACTIONOME as of 19 February 1953

6)(z)

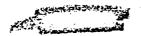
- 1. Reopening of MTICHONE Liaison channels to USAF and Army.
- 2. Pormit obtained and sent to thick will enable him to bring various plants, seeds, etc., into United States.
- 3. Commentary working with I&SO ACTIONORY Group.
- 4. ARTICEOUR teem leader for the has entered on daty. Aveiting results of personnel interview with potential term leaders for FE.
- 5. Discussion with property in regard to problem of repatriation of FCM's exposed to "brain-mashing".
- 6. Preparations for Meld trip in regard to establishment of field testing station for ANTICHOUS substance.
- 7. Preparation of paper concerning problem of briefing CIA personnel to withstead interrogations.
- 8. Discussion with: 2008 with respect to substance to be tested.
- 9. Eypnotic experiments continuing.
- 10. Paper prepared in answer to suggestions from with respect to neutralizing effects of Sedium Pentothol.

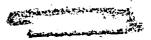
# (98)

#### COMMUNIST MENTAL CONDITIONING FOR CONFESSIONS

Tener 1755

- 1. Mental conditioning is pre-eminent in theory, concept, and practice in the USOR and has permeated the entire Soviet sphere of influence. It is in consonance with Pavlov's physiological teaching, the most recent Soviet research work on conditioned reflexes, and Soviet ideology.
- 2. Communist mental conditioning covers all methods, from persistent education and mild persuasion to techniques for forced transient softening or complete permanent breakdown of the mental faculties of the victim. This can be done without drugs.
- 3. The voluminous Soviet medical literature definitely conveys the impression that the USSR is using all of the modern psychiatric techniques used on patients in this country.
- 4. Although the Soviets have relegated psychology to the field of pedagogy, the emphasis placed on research in neurophysiology, physiological psychology, and neuropsychiatry indicates that the USSR considers these fields of practical importance. The Soviets are adept in the application of the results of their research in these fields to mental conditioning, including the handling of prisoners.
- 5. There have been some reports on Communist mental conditioning of prisoners in general, such as the common practice of handing pamphlets on Communism to prisoners, followed by the delivery of talks on the advantages of Communism. They sell Communism to many prisoners by daily repetition, even three times a day at regular intervals.
- 6. The Communists have had thousands of prisoners and years of experience in the development of methods for the mental conditioning of prisoners.
- 7. They are ruthless in the use of methods to force prisoners to reveal information which may be truthful or false.
- 8. Because of the effect on world opinion, we can expect that the Communists will use conventional psychological interrogation techniques on many prisoners, and treat them in accordance with Geneva agreements. This has and will be done with prisoners they willingly return.
- 9. There were psychological reasons, including favorable propaganda as well as problems of care of the wounded early in the Korean conflict, for the Chinese release of small groups of prisoners to the American lines.

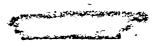




- 10. There is no reason for not believing that the Communists can readily obtain confessions without, as they claim, "old-fashioned torture," or the use of drugs. No doubt they have in mind mutilation and other ancient practices of physical torture, and do not consider that torture includes mental duress, starvation diets, and other methods of exhaustion to the degree of submission.
- 11. There are reasons for believing that drugs would to a certain degree accelerate obtaining confessions, but no reasons for believing that drugs are reliable for obtaining truthful information.
- 12. The vast experience of the Communists surely has convinced them that comewhere along the line of increasingly drastic measures the resistance of any man will break and he will usually, but not always, reveal the truth. Also, that mental resistance, including subconscious resistance of some men, is strong enough to withhold secret information. The breaking point in some men would not be reached until their mental faculties are so abnormal that the information they give may or may not be the truth. The Communists probably have been successful in obtaining truthful information from many men by their methods because most men would tell the truth before they reached the later stages of mental duress.
- 13. We have no indications that they know any methods not known in this country for determining the truthfulness of information obtained from prisoners.
- 14. They carefully select their victims for specific purposes, such as those who will make an impression for propaganda purposes, as did the American Air Force officers who apparently cooperated as propaganda dupes in the production of the sound picture to help the Communists convince the world that their EW charges were true. Probably the reasons for their apparent cooperation will not be known until there is an opportunity to debrief them.
- 15. Some of their victims are easy prey, not by direct threats and more drastic duress, but by another approach such as telling them they will be treated well and returned to their homeland in good mental and physical condition if they cooperate.
- 16. Some prisoners are well aware of stories about the handling of victims, such as subjection to exhibition for ridicule, traumatism, and even death by public mobs; physical duress; never returning home; and even beheading, shooting, or other penalties by their captors.
- 17. The fear complex produces many submissive persons. They know open defiance of captors is not healthy and have not had adequate training to save themselves and protect security.







- 18. The usual techniques against resistant prisoners appear to be clever persistent conventional psyciological interrogation followed in some cases by methods of exhaustion, particularly of the nervous system. Apparently this is accomplished by starvation diets, barbarous quarters, not allowing sleep, and strained constant standing and other postures. In some instances, nerve stimulant drugs are used as adjuncts in exhaustion.
- 19. Although we have no evidence that the Communists depend upon the use of any one drug or combination of products or devices routinely in interrogations, their past treatment of some prisoners gives us warning that we can expect them to use drugs and other products, devices, and methods under certain circumstances and as hopeful supplements in the handling of prisoners they have no intention of releasing.
- 20. Among Communist activities against special prisoners, we can expect all kinds of trickery, drugs including toxic substances, electric and other applications to induce shock, the polygraph, hypnotism, nerve blocking injections, and even lobotomy and other surgery.
- 21. Drugs and other supplementary techniques may be used not because any method assures veracity in every individual, but because any means of loosening tongues such as the effects of euphoric drugs and alcohol or narcotics and other methods for obtaining information in subconscious states may evoke true or false information from a number of persons. Sodium anytal and other well known drugs would be effective in a limited number of cases, without the nerve exhaustion techniques. By an analysis of the combined statements from a number of prisoners it might be possible to delete false statements.
- 22. Defense against enemy actions should cover careful selection of our agents including special testing with harmless techniques, thorough mental conditioning, and the use of materials to counter enemy actions. Many will break down regardless of preparation.

24 February 1953

- 3 -

2/2//-

Ofece that oricher of these papers is goods the linguisme before it was not time to revise the linguisme before it was to DEO. - Prefore any use of the new, show paper is made, it must be earlied in the early contained and kevend.

A CONTRACTOR OF THE PARTY OF TH

Acting Populy Assistant Director, Scientific Intelligence
Folygraph Research Contract

I. I have just restived from factoried the strains reports from John I. There is a strained the strains reports from John I. The attached the strains reports from John I. The attached the strains reports on the reserved project covering slide-tone delive procedures. I will call the asking that in the future the contacts with the Agency on this project be channeled to you. This is

2. Attached also is a form propared by the Office of Intelligence Coordination which they would like to have propared for their
records. As you know, all of the AFTICHOUR files except the TS
documents, which are now being processed, have been turned over to
make and he should have available to him the information
necessary to complete this form.

Attaciments: (3)

Distribution:

Orig and 1 - Addresses
2 -Ops/SI files /- Obs. (a)

Projet for the state of the pour advice of the point advice of the point advice.

Projet for the same of the point advice.

Note added:

This contract comes up for possible renewal about the end of May. Called the will want your advice and decision on its continuance.

NEC. MISTED



25 Juno 1951

LEEDENALIDEL FOR:

ay Us reason inters

You may remember by recently bringing to your attention the name of he highligh Chemist, the line of a minted out that he has almost as namy publications and the line is to be a guest lecturer on that the highlight change in the world Chemical Concluse in the line of th

(53)

Those forting in

Office LYLUTTOTE. LUTTION . UNITED STA ES GOVERNMENT 20.

ro . Acting Chief, Operations Staff

DATE:

3 March 1953

FROM : Chief, Technical Branch, I&S

ויין לא

SUBJECT:

1. Reference it made to the request of the for clearance in the case of the to be fully cleared concerning the Project ARTICHOLE.

2. This is to inform you that the has full security clearance to handle all matter in connection with the Project ARTICHORE including Top Secret material in this connection.



4 March 53. of to Olmin/s;

informal pertury

(20~)

Older, Recordly Research Stoff Culer, Technical Prench

. .... Conference, 19 February 1953.

A STATE OF THE STA

5 Larch 2,333

1. On Thursday, 19 February 1953, on ATTICHORN conference was the in the Conference Room in "I" Residing totagen 2:00 and 1:00 Mi. Trank at the conference were conference in representing InG; (Associating O.S; and Inches and Propresenting O.S; and Inches and Inche

- 2. The conference was opened with the delivering a progrees report on the APTICIONE work to date. The discussed the various subjects as follow:
  - hed returned bringing a quantity of interial with him and which is presently in the present of being prepared for the handing over to
  - had come abound and both the and and and consensed and both the cussed the project at involving and research and the using of his lacilities for a testing and research ground for our material. It was pointed out that the consense we personally and has numerous contacts in the espectial city.
    - very broad out that go to the entire field. He also pointed out that the entire was not going to be used specifically to dig into any one particular field but would study all ideas across the board and in connection with the entire that the board and in connection with the entire the board and in connection with the entire that the lines of interest lie and whether or not discoveries in the scientific and modical field are worthy of our interest, research and study.
  - c) the stated that I had core on duty and was boing given special training for the ATTOHOLE position

- D) Compose stated that a containing a decime from the Surgeon Control to Selico had been a conference with the and himself on a control of "humin to discussed ways and noine of building this abidy and the containing this abidy and the control of the state of a list of questions to the limit and no would account to give him answers which would be of assistance in his work.
- E) Common discussed briefly the question of GIA personnel teing briefed on Seviet "brain maching" techniques and her to mithetend teing interrogeted by the Seviets. (See below.)
- relative OTO cobbyither in the field and stated that Companies with talk later on this entter.
- c) stated that the Herroriments by were continuing and now "talent" was leing download since we had recently lost practically all of our assistants, prinarily due to nursings and poople leaving the Agency.
- II) agents for use by our people in resisting dauge. The had proposed a non-tockwisel reply to it and the matter is to be referred to the Recical Division for a professional reply disreafter.
- 3. At the conclusion of the general pro mess report, extracting stated that he and the body had had a confirmation with the re-establishment of his conference, the power had been able to this conference, the had been a result of this conference, the had been at a corrying an alvanced work in any related field to ANTIONALL. Both corvices classly indicated that they would not give any money to this type of work in the impediate future. However, they asked that "the door he look even for then on this project and they would like more information on ANTIONALL both corvices stated that they had read the FAD Report and on the heale of this they would not set aside any time and noney or count non to the project but felt this Agmey's work was eminently worthwhile.
  - to the limison comparence and the stated that I have a meeting

The state of the s

for a long time. In this connection, the discussion lowered in a provision for a long time. In this connection, the discussion lowered time fact that both the fact the limit force would like a "payor" requesting re-establishment of the limited on the could spend time efficiently in this connection whenever necessary. It is stated in had informed then that a payor along this line would be proposed and forwarded to them through the proper commels.

- 5. Progressed if any official paper had been proviously developed on this and the stated he would check the matter. (Instanta as files are concerned, file has to date been unable to discover any official document along these lines.)
- 6. At this point, (?) who was in some way commoded with stated that are shad contain reports in that connection. (?) who was in some way commoded with stated that these would be such a validable to MITICHAID. (?) also stated that there would do everything possible to get Covict ideas along ATTICHAID lines are give than to we are some also is proporting a paper for the containing and second ATTICHAID study. (Paper given to the containing and second ATTICHAID study. (Paper
  - 7. Stated that 973, from time to time, will report on payello-chemicals and announced that, in his epimien, several of the referriols they were now using were said enought for field testing. 975 will heap in teach with ATTIONATE and a result with the bring when he is available.
  - 8. At this point, the stated he would like to know where OTS is working and in what field and formation stated that at the present the Cher have five ander points at which charicals are being tested and ARTIONALL work is being convice out:
    - 2. 2. 3. 4. 5. C. 3. C.
- 9. At this point, and a collect the nature of the control work in the above hospitals and a collect the applicated it involved testing of any developed populous-characters. The consented there might possibly is a duplication of enforts and his staff will review all medical literature in connection with this effort. Control took is necessary and cation of each sphere of activity in the Afficient work is necessary and appropriate concern over the work of the confusion, can application, confusion, etc.

Salar Control of the Control of the

- 10. Commented that Commented in the collection and is collecting primarily from Soviet and Catollite sources and Specialines in Cowlet medical information. We stated that Wils information, as it cames in, will be made available to all brade. He stated be does not work in any imprison modical fields. The pointed out that they were withly interested in what they could obtain in requed to revist "modicino". This discussion was continued for some time involving Siells of interest and a cortain classification second to have been established at this tire.
- 11. Polloring the above, a general discussion was hald concerning the TDE Report and the secretary Reports. efficiences in the point of view of the members of the Ad Nee Committee and those engaged in network everation works. NDE Report was an everall survey of projects going on in the field and was not pointed at the type of work ANTICHNE is engaged in since this was Chrecked at the operations level and not in the broad research-emperisoned field. During the discussion, with the pointed out to compare and that he enticipated recolving Spun Dr. Cottlieb the billiomeray attached to the Carrier Court coon and he would have it photographed and would turn over a copy to the for study. Dr. Cottlios stated he exposted the report coen and he would turn it ever to find when he recoived it. (Tibliography is now being processed.)
- 12. At this point, Commercial Commercial the Commercial the case which involved the work of the [ Problingence one them was of newcotics in interregation of the alleged Communist agenting era That remy facts were missing--who wents consideren, ensent of thirddegree, time intervals, futigue, mount of Cosagos, cintrols, etc.
- 13. At this point, (3:00 Pil), The stated he had to leave the modting. In parting he ourgested that he fell he would be a good is an to have the bulles and the or three of his deputies briefed by verticus individuals interested in the AMMOND north. Articles agreed with cantillate cantiopation and all heads achieved there was a great deal of relie in such a brisling. However, no debails relative arrangements were made.
- pointed out the process models involving the case. He of the fil poople in regard to him file file at the stated that it trould be appreciated if would arrange for a mother; with the to obtain the professional epirion necessary in the case and ( arread it would be correspond in the innollars future.

والمرازين والمراز

- 15. Along the same lines, the envolumed that the ease of the Pussion presently in Machington who was to be given ANTICHORN treatment was consolled upon instruction from very high officials in the fallivision although all operations people agreed that this was a case in which ANTI-CHORN treatment would have been very valuable.
- ARTICIONE program in the field. He stated that in many instances there had been a great waste of time, effort, and nearly that right have been spared had a full program concerning ARTICIONE methods and techniques been available to the field. He also stated that minorous demands and requests had been received from various A ency divisions concerning the briefling of personnel on how to resist interrogation by the energy. He stated that ILS had many times been requested to develop techniques that would increase resistence to energy interrogation either with or without drugs.
- 17. stated he had investigated the problem and felt a study should be begun at eace in this nation and he suggested that the ANTIONIN group consider uses and means to lay on such a study possibly by reviewing all emisting information and the appointment of a consider to examine this problem specifically.
- 19. It was agreed by all herds that the north conference well be held on Thursday, 19 Herch at 2:00 P.L.
  - 20. The conference concluded at 3:30 PM.

A CONTRACTOR AND A STREET

203

#### AGENDA - AMPICHONE LEDTING 19 March 1953 1400 hours

1. Progress report - I & SO - Remarks SO & Dop/CIA.

2. Report from CSI

3. .. Report from TSS

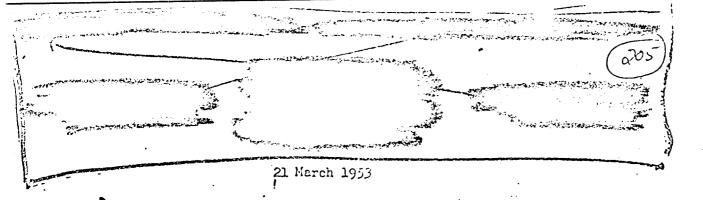
Len by Dear DD-P. O This is memo, @ The U.S. Las access to many tens of Thousands of "derty" communist trains, 3 We are told That train washing" as practiced in the Bloc upon non-communials is not a secret process. H Why doland The VS avail itself of some of the unwashed Sords of 911 + wash a few Thousand, De When clean They might make interesting the Radio of movie material 5. Ka

### SIGNATURE RECORD AND COVER SHEET .

DOCUMENT	POTENTION				RECISTRY	
SOURCE, (	Nary)		•		CIA CONTROL NO.	
	2/ ->-1/2/11				DATE DOCUMENT RECEIV	
	<u>`` -4</u>				11.00	. 5 7
LOC. DATE	<u> </u>				FOCCED EA	
COPY NO.	<del>/</del>	•	•		170.00	. d
NUMBER OF PAGES		•		•		
NUMBER OF ATTACH	1	1		•		ļ
<u> </u>	3′					and Ton Secret
within the CIA CIA. Access to ant Top Secret (	Top Secret material is limited?	o those individua or releases the at e name of each in	Is whose of	icial duti	entral Intelligence Agency or classic downgraded, destroyed, or transmit enrelate to the material. Each alte naterial will sign this form and ind en the Top Secret document and the	rnate or assist-       icate   period   ef
REFERRED TO	RECEIVED	RECEIVED RELEASED		0324	SEEN BY	
OFFICE	SIGNATURE	DATE   TIM	E DATE	TIME	NAME AND OFFICE SYMBOL	DATE
05/	K.	1982 1115	,		( - 11 m ke) . L	
					North !	
•	Kariner .				F.W-/	
						·
	·				·	<u></u>
					·	
		·				
, <del></del>			·			
				·		
			•			
•					en dil	
NOTICE OF DETA	CHMENT: When this form is deta Central Top Secret Control for	ached from Top S	Secret mate	rial it sha	ill be completed in the appropriate	spaces below and
THE TOP SECRET MATERIAL DETACHED FROM THIS FORM WAS:					BY (Signature)	
DESTROYED						
DISPATCHED (OUT	SIDE CIA) TO	OFFICE	DATE			

16-63139-3 600

(40



Weshington 7, D.C.

Dear

I have been over the pile of reprimes and other data we have accumulated on the Lysergic Acid derivative (LSD 25) and find that essentially all pertinent information from numerous reprints, both in German and in English, is summarized in the two things I am sending you herewith. (There is a good deal of misinformation involved there also. We can discuss this at a later time.) We have no outside data on the monoethylamide except that communicated by work of mouth from the monoethylamide except that communicated by work of mouth from the monoethylamide with them.

I trust that you have already been given four reports, two on reports on information obtained in Europe, dated October 20, 1951, and September 4, 1952, and two reports on our laboratory work, dated June 29, 1951, and January 9, 1952. I am unable to send these to you but I could bring them down by hand if you have been unable to get hold of them.

I also will bring to Washington by hand some notes which I cannot send through the mail which summarize our our activities to date. I will call you on Monday from the National Research Council, where I shall be attending the Committee meeting on Surgery, to see if you are interested in seeing these notes at this time.

Since ely yours,

pro-

Enclosures:

D-lysergic acid diethylamide (LSD25)

d-Lysergic Acid Diethylamide (LSD 25) and Carbohydrate Metabolism



MARCH 23, 1953

## Government by the Insane

By EDWARD HUNTER +

Communist leaders are suffering from a form of actual insanity. Only by recognizing this fact and studying the methods of their madness can we learn now to cope with them and their adherents.

Rows or Communists, the hard core of the North Korean prisoners, stood with their arms locked, swaying from side to side. They wanpped their minds with music borrowed from the pungle and the church, "Their eyes were glazed, they were so wrought up, so hypnotized by their own singing." said the American officer who saw it. Prisoners in other compounds on Pongam island joined in. The horde, drunk although no man had tasted lique -. was on the verge of smashing through the fence of that confined it. The small force of guaras, or reached, would have been trampled upon and to a to pieces. Orders to cesse this mad suff-infuriat. a were ignored. The guards, mainly Koreans thenselves, fired. The wounded were lifted up by the s comrades, and the riot continued until nearly 2 w had been shot, two thirds of them fatally.

Then, within the hour, in the same drunk, stupor, they picked up their dead and wounded, and carried them away. Like the drunk, too, they afterwards tore savagely into these who had not wanted to join, or who had not entered into the spirit of this crazed spree. Several horribly mutilated bodies were hunded out.

There have always been riots and demonstrations that get out of hand, but this wasn't like any of those. There was something cracily streamlined about it, singularly modern and yet primitive at the first man. There had been no spontaneity these new tribal chiefs were moved by an initiable party discipline. The effect on the uninformed is morale-shattering.

There was that young American soldier I met in Tekyo, who had been shot close to his beart in Korea, whose life had been saved by the miracle of our wartime surgery. His battalion had been attacked by what the Shintoist Japanese call a banzai charge and the Communist Chinese a human wave. "Children rose up in front of me," this youth explained. "Some couldn't have been more than twelve or fourteen. You hesitated using your bayonet on kids; somehow you couldn't. By the time you found you had to, you were dead—or like me, had your chest slashed open." He, too, described the glazed eyes of the charging horde, eyes that seemed to pop out of their heads. The only explanation he could figure out was that these Chinese had been drugged. "We found a pot of heroin in one captured tent," he said.

The not of dope was probably for the medics. The mental condition he spoke of had been induced by the mélange of fake evangelism and quack paychiatry that passes for education under Communian—the regular, official indoctrination, better described as brainwashing.

#### Fixations and Obscesions

Who are these people? We know the posts they fill, but we live in such a different environment that we can't grasp the meaning of their performance. Our customary reaction has been bewilderment. Yet there are persons among us who do not find such phenomena, the glazed and popping eyes, the fixations and obsessions, extraordinary. They come across it in their daily work. They are our psychiatrists and alienists. Psychiatrists see it in their studios, alienists in their insane asylums. What is extraordinary is not this mental condition, but the deliberate induction and exploitation of it for political purposes. A recent, much publicized case in American society can perhaps help us a

Hitle to comprehend this situation-the case, namely of Rayard Peakes, who dominated headlines for a few days not long ago. This man was no Communist or Nazi; he was a student type, a frustrated, would-be scientist who wolked into an office at Columbia University and emptied his pistel into a girl whom he had never seen before. Peakes had written a book entitled, "How to Live Forever," in which he tried to show how electronics could extend life to 500 years. He could never get it published, which proved to him that American scientists were reactionary. This was what drove him to murder. Only in this way could be arouse enough interest to bring his message to the people. Peakes did not know but there are ways and places nowadays for the unstable and the mentally unbalanced to satisfy their urgings and inflate their egos. Peakes went about it in the old-fashioned way, and that is why he is now incarcerated in an asylum for the insun- With very little variation in type and history, he would fit into the upside-down society of Ho Chi-minh's Vict Min People's Democratic Republic, or Man Tae-tung's New Democracy, or in Soviet Russia itself. His peculiar talents would be perfectly normal in such an environment.

Persons like Peakes—and Hitler—may have same, even superior faculties in some field, yet suffer from a delusion in others. They are possessed by an all-consuming grievance. They are positive that they are being untainly personated, and that they have the right to punish the guilty. Their escape is into fanaticism.

Fanatics used to roam tample yrounds, and were rarely a danger. The word runatic, originally fans , ticus, meant someone possessed by a demoniac, religious ferver. When such people became violent. short shrift was mode of them, in the callons man her of their time. They were staffed into cages, fropped into dungeons, or decapitated. Whenever tossible they were tolerated, because they were supposed to be the measures through which divinity spoke, providing omen's that mercy required deciphering. Such were the oracles of Deiphi. Medical men in those early days did not have sufficient experience to distinguish between the man who was mad, and the deep, spiritual thinker. Scholars did not know enough about natural phenomena to separate superstition from fact. It is a field in which we are tragically deficient even today.

#### Religious Overtones

The same insane attitudes, recognized as such in olden days, have reappeared in modern politics, in what we call ideologies. We reside by now that the new political ideologies have religious overtones, but we still shy away from the consequences of recognizing that they have become actually a religion. Only recently I heard an American missionary, who for years has followed the party line,

refer to Communism wholly in theological terms, calling it Marxiet Christianity, presenting thin as a new, reformed religion, like the Buddhiam that was the outgrowth of Hinduism, or the Christian faith that was derived from Judaism. Yet he failed to comprehend the connection between this and what Hobert T. Bryan, Shanghai-korn American, caught a brief inkling of when he concluded his recent series of Saturday Evening Post articles about his arrest and brainwashing with the observation: "The insane asylum has broken open and madmen are in the streets."

In Mein Kampf Hitler told how he strove to give Nazi fanaticism "the form of faith," so as to make it, like faith, "able to move mountains." The Reds do the same. Again and again, at some Communist pathering, I have been struck by the recourse to the Protestant order of service; even the music is identical, with only the words changed.

Hitler boasted that he and his party members were fanatics. Yet though we regarded him as evil, we considered him nonetheless sane. But on the final afternoon of his life, when sharing a dismul. subterranean bunker with his strange love, Eva Braun, the Fuehrer could no longer have doubted the imminent, total collapse of his Nazi state. If at that moment littler could have placed his hands on a super-hydrogen bomb whose chain reaction would. have destroyed the world, he would have used it. He would have done so knowing that once shattered, nothing could ever collect the pieces out of -pace and put them together again. For he would have sincerely felt that there was no point in living n a world without Nazism, that he must spare the earth this ageny. The veins of his fervid brain vonid nearly have burst with the Wagnerian pride of someving such a sacrificial ending to what othervise he would visualize only as infinite disorder and batility.

T: - was insanity, of course, a d-lusion of the nos: ; ronounced sort. Hitler was a crary man.

Hither is dead, though some minds have not been cleared of Hitherlam. But Staim has left a host of little Stallmists, all thoroughly impregnated with the conviction that Communism is mankind's inectable destiny. A world without Communism would seem a complete refutation of all the "laws" of nature that they call dialectical materialism.

The 'logic" in which Communist mysticism is wrapped makes it appear superficially a new form of science, as practical as the multiplication table. This keeps the true nature of the Red gespel nudden from the uninitiate. What is exhibited to the wild is a logical and ressonable person, who appears as a good citizen and kindly friend. Yet in same asylums are full of madmen who are perfectly one, self-possessed, and even impressive in their appearance. Sudists, rapists, are often thus. A common trait, two, of those suffering from hallucing tions, is the logic of what they say or do; they are completely reasonable, once you accept the basic

premise, the line, with which they are obsessed. A Street, of Madness: for they live in a dream world-they are Napoleon, or Joan of Arc, as the case may be.

#### Dostoevskinn Ecstacy

We would be tempting fate, indeed, if we were to take for granted that Stalin's highly functioned successors would not be drawn to the same incane extremes as Hitler if confronted with the same prespect of inevitable, total defeat. Already Communism has been swept to the same mad anti-Semitism as Nazism. Shattering a large section of the carth, or the entire planet, could very well appear to such obsessed minds as a Dostnevskian ecstacy worth a whole eternity of struggle.

This is a madness that can clinically develop out of the obsessions and the fixations of Mao Tse-tong and Li Li-san and Liu Shao-chi, our own Will am Z. Foster, and the other Red extremists. It is why Mao and his cohorts, although Chinese, never gave a second thought to the interests of China or the Chinese people when they threw their armies acres the Korean frontier, against the troops of the United Nations, on orders from the Kremlin.

In the past there have been many madmen in the scats of the mighty. Tsurist Russia had its Ivan the Terrible; Japan's recent Emperor Taisho was insane. Madmen among sovereigns were easily retectable. The damage the, wrought was usually circumscribed by notional senders and the home controls exercised in early historic periods. Pro-se arrangements exist in protocol for regents tactfully to assume power in such centingencies.

The mental cases that concern us now are offerent, for they lack the disjointed notions by which we have come to identify the cruzy. If a man chees glass or ronk amok with a carving knife, any can see that he is mad. If he insists he is the M csiah come to earth, even a simpleton knows it. a case of detabgement.

The truly dangerous madmen of the mid-twenfieth century, who have managed to feel us and gain unprecedented power, are not such simple cases. Their excesses are not the spasmodic, un predictable cruelties imposed on those within easy reach. With the same curious adherence to a strained legality that characterizes totalitarian regimes, these madmen go through all the motions of sanity. They put whole populations under subtleand sinister pressures to make them act with the same mudness as themselves.

This is a conception so grotesque that we just can't bring ourselves to believe it. Even when the 2 . facts store us in the face, we close our minds, because normal, dozent people refuse to admit such extremes of abnormality. We don't want to wimit, too, that whole peoples, including some of our greatest acholars, have been so easily hoodwinked

We refer to the fascist and Communist ideologica, but not to the democratic ideology, thus, inferring that there is a difference. The difference is that a streak of insanity is attached to every ideology. Any "true believer" in Communism or fascism has this streak of madness in him. Ezra Pound, whose obtuse, polyglot poetry received universal plaudits. has been properly committed to a Washington mental institution. His capacity as a poet was not in question, any more than Van Gogh's genius as an artist was disproven when he went into an asylum.

Where, then, can we draw the line between the fanatic and the madman? What is obvious is that our present distinctions include many of the latter in the category of the fermer. We know that man is an ambivalent animal. He can have a blind spot in one part of his mind. This explains such unhappy cases as that of France's Joliet-Curie; it explains Einstein's consistent blundering in politics; it certainly explains Chaplin.

Between those persons who totally lack social reesponsibility, such as hermits, crooks, and madmen. and those who have been mentally deranged by an excessive sense of their responsibility, like the cranks and political assassins, there is a wide range of political interest, starting with the man who is selfish about his social responsibilities, who "doesn't give a damn," ranging to the person who takes his politics with intense seriousness, a realor or a famatic according to the degree of distensity, the sense of mission, he brings into politics.

We have no difficulty in understanding the enthusiast and even the zealot. Only when we enter the field of the fanaties do we cross the border into unexplored territory. Fanatics refuse to be budged from their concentration on some panages or pet hate, and the point on the horizon where they focus their attention is their whole world. They can not be deterred by flattery or bribery, but willingly use both, judging morality by whether it advances or fetards their political objective.

#### Dividing Line

Where we have erred is in our understanding of when fanaticism ends and insanity begins. We have regarded too many of the insane as mere functies. The dividing line between fanaticism and insanity should be shifted. A large proportion of those whom we have been considering fanatics are actually insome in a chinical rense. They are madmen, suffering from delusion or fixation, with its resultant personation complex. We have been too telerant. The hard core of Communists, those who have been sereened through all the artifices and betrayals of their party, until no feelings remain but a desperate clinging to the party, is a new-pinenomenon in our society, the occupational hazard of our overtense twentieth century; it is an ideologi-

Washinston 7, D. C.

March 25, 1953

inseachusetts

Dearth .

Your kindness in sending me the two articles which I am returning was greatly appreciated. It is a lot of valuable material which I was glad to have been able to read. Your courtesy in allowing us to see you yesterday was appreciated, and I learned still more about our subject of common interest.

Hoping to see you again soon and with kindest personal regards, I remain

Sincerely,

・ これがないないないできるからい。

Duclosures (2)

F11111

Dr. Comment

(209)

I suggest that you check with to be sure that the OSI program of service is on the rails.

25 March 1953

In early March, there was a second meeting with a manning."

In the creation of a committee for the study of "brain unching."

At this time the was shown a part of the films on testiment on use of Mi by several UB Air Force officers.

Composition of the committee was discussed, and will doubtle

It was DOI's desire that this committee continue to serve after its first report, to be kept informed of developments and to be able to render advice upon demand.

It was also stated that to this committee would be unde available all evidence pertaining to its atudy, including that which is available in the Department of Defense.

In the next 10 days in CIA there is supposed to be a collection of partinent information to be given to Psychological Strategy Board as a depository for the continuation. Items that were marticles at the meeting included destinous collections open books on the subject, testimony, Bulgarian remailet, of which ESI is knowledgable.

(?) evidence.

and for to work out details. Interial is supposed to be collected or reproduced in five copies for the use of the five members of the committee, presumably.

As of 25 March, ETO has received no word or direction from the to what is needed from CSI. We can well follow up, chowing to either him or to the the the material that the material that

coi 😇

in. Line Ind/Iceo

ID/OUGN

Project Articheiro

1. In accordance with my telephone conversation of yesterday, following are the names of the two numbers of Medicine Division when we should like to clear into Project Artichoke in order that they may give substantive support to and a condition the Division is intelligence coverage for which the Division is responsible.

a. (Forencie Fodicine) &

2. On receipt of your approval, I will brief than myself on the Project.

Distribution:

Orig. & 1 - forward

1 - Ops/SI

.1 - GSS/SI

Ossice Memorandum UNITED STATES GOVERNME

. Assistant Director/SI 70

DATE: 30 March 1953

PROM : Scientific Advisor/SI

W David Street

subject: Erain Washing

Covert (111 Corplayer Re your diary item or subject (attached), reports that the committee has fallen through because of clearance problems. PSB has briefed to on several occasions. Medicine Division/SI has been in touch with PSB and has given them material. It is felt that CIA has probably finished everything that we can do.

Attachment - copy of Diary item

Office Ne 2014 and 10112 . UNITED STATES G VERNMENT DATE: 7 April 53 Acting Deputy Asst. Director, Scientific TO Intelligence Chief, Medicine Division, SI FROM : Secured personnel for special "Articheke" project SUBJECT:

The following government personnel have just been secured for. special "Artichoke" projects:

- 1. Department of Agriculture
- 2. Department of Agriculture
- 3. Department of Agriculture
- h. The Food and Drug Administration, Department of Health, Welfare and Education
- Food and Drug Administration, Dept. of Health, Welfare and Education
- 6. Institute of Health

Por:

Maria

(2 Apr 53)

Distribution:

.1 & 1 Fud.

1 - 5 1 - Chrono. file OPS Staff, OSI, Room 1535, M Duilding Chief, Technical Branch, SO

Transfer of Files

1. Reference is made to our conversations concerning the trimsfor of certain Top Secret documents from your office to the office of
the writer. These documents, as you know, were held in the files of
when he was assigned to CSI. It is believed that
it would be best that they are held in our safes in the future. I
am attaching herewith an informal statement of the documents in
question and listing such information as I have for your guidance.

2. Let me suggest that you transmit these documents through the proper channels so you will be fully protected in the transmission of the Top Secret documents. If I can be of future assistance, do not hesitate to call me on Extension

ATT.

53-67A

CIA Control No.	Date	545,500
80175 80039 58300 80070	19 Sept. 52 6 June 52 19 May 52 15 May 52	Special Interrogations
No TS # 63317	26 April 52 22 March 52	Project Artichoka Deperimentation on Interrogation Techniques
36945	18 Dec 51	Materials currently being used experimentally by
80037	20 Oct 51	Trip.
No TS #	2 Sept/30 Sept 51	Accerpts from TS Report to Surgeon General (names given)
no TS #	3 Nov 50	Various subjects,

130 Chais 1900

DATE: 10 April 1953

1215000,-1200

TO: Director of Security

FRM: Chief, Technical Brench, 50

1. This is to rawind you that there will be an ARTICIONE Conference on Thursday, 16 /pril 1753, at 2:00 HI in the 20 Conference Room, 2005 HI Building.

2. If you wish to put arruining on the agenda, present any special topic or require information in commettion with this Conference, please calling on expension



CO: Deputy Director of Security
Chief, Security Leaversh Staff, SO
List. Director for Colentific Intelligence, SSI
Acting Populy, Sout. Dir. for Colentific Intell., COI
Chief, Hedical Staff
Chief, Supplicative Division, Medical Staff
Chief, SNS
Chief, SNS
Chief, Chemical Sivicien, NS

This Officedid not know whether you intended to bring with you to the next meeting. Furthermore, we did not know how to reach him officially.

If is is your intention to have the or for that matter any other interested members of your staff such as the attend this conference, would you please be kind enough to have your secretary arrange to inform them of this meeting.



 $\left(2/5\right)$ 

SUMMARY OF REMARKS BY MR. ALLEN W. TULLES AT THE BATISHAL ALUMHI CONFERENCE OF THE GRATUATE COUNCIL OF FRINCEICH UNIVERSITY HOT SPRINGS, VA., APRIL 10, 1953

#### BRAIN WARFARE

In the past few years we have become accustomed to hearing much about the battle for men's minds -- the war of ideologies -- and indeed our government has been driven by the international tension we call the "cold war" to take positive steps to recognize psychological warfare and to play an active role in it. I wender, however, whether we clearly perceive the full magnitude of the problem, whether we realize how sinister the battle for men's minds has become in Soviet hands. We might call it, in its new form, "brain warfare".

The target of this warfare is the minds of men both on a collective and on an individual basis. Its aim is to condition the mind so that it no longer reacts on a free will or rational basis but responds to impulses implanted from outside. If we are to counter this kind of warfare we must understand the techniques the Seviet is adopting to control man's minds.

There is an old adage that "everyone is crazy but me and thee and semetimes I suspect thee". There is more truth than we realize in this saying. The human mind is the most delicate of all instruments. It is so finely adjusted, so susceptible to the impact of outside influences that it is proving a malleable tool in the hands of sinister men. The Soviets are now using brain perversion techniques as one of their main weapons in presecuting the cold war. Some of these techniques are so subtle and so abhorrent to our way of life that we have receiled from facing up to them.

13113

We take for granted a society where human beings are free to think as they please. We read and see and hear such a variety of things that the mini adopts no single pattern. Our society produces all kinds of people thinking and believing all manner of thoughts. Fortunately, in our drive for standardization in other fields we have, not consciously tried to standardize the mind. In the Soviet world, however, this is being done.

In the freedom that we enjoy -- and freedom of thought is possibly the most precious freedom that we do enjoy -- it is hard for us to realize that in the great area behind the Iron Curtain a vast experiment is underway to change men's minds, working on them continuously from youth to eld age.

Such an experiment has never before been undertaken on so vast and so well organized a scale. In Hitler's Germany and in Fascist Italy some effort was made to make men into a single pattern. In Germany it was called alaichastaltung — the leveling process. This effort covered only a few years and may have had little permanent effect on the German mind, though it did have its effect on history in conditioning the Germans in vast numbers to follow Hitler's mad experiments. Japan had its thought control which, while highly efficient in combatting sedition and welding the Japanese people into apparent unity behind an intense nationalism, seems also to have had little permanent effect.

The Soviet experiment is very different. It takes two forms: First, the attempt at mass indectrination of hundreds of millions of people so that they respond docilely to the orders of their master. This permits the creation of a monolithic solidarity in the Soviet state which outwardly gives it the appearance of great unity.

Second, the perversion of the minds of selected individuals who are subjected to such treatment that they are deprived of the ability to state

their own thoughts. Parrot-like the individuals so conditioned can merely repeat thoughts which have been implanted in their minds by suggestion from outside. In effect the brain under these circumstances becomes a phonograph playing a disc put on its spindle by an outside genius over which it has no control.

The Chinese, who are solden at a loss for a word, have given us the term which has come generally to be applied to this treatment of individual minds: "brain washing". Actually, the Chinese subjected to Communist "thought reform" techniques experienced two treatments: a "brain washing" which "cleansed the mind of the old and evil thoughts spawned by imperialists of the West," and a "brain changing" which implanted the "new and glorious thoughts of the Communist Revolution". In our conception of the perversion of individual minds the term "brain washing" seems aptly to describe this phase of brain warfare.

This campaign for the control of men's minds, with its two particular manifestations, has such far reaching implications that it is high time for us to realize what it means and the problems it presents in thwarting our own program for spreading the gospel of freedom.

To create conditions which permit the mass indoctrination of millions of people certain prerequisites are necessary. In particular it is necessary to close off with an impenetrable barrier the area within which the operation is to take place. This is what Winston Churchill described so graphically in 1946 as "the Iron Curtain". It is the physical and spiritual barrier by which the Soviet Union has isolated itself and its satellites from the outside world.

Today this screen, whether of iron or bamboo, stretches some 21,000 miles around the Soviet dominated Eurosian land mass and effectively cuts off normal intercourse between East and Most. The Land frontiers in Europe are normally divided into three zones: A forward zone which is the actual border area about a mile deep; an intermediate zone of about 10 miles; and a rear area which may be as much as 150 miles deep. This rear area is cleared of politically unreliable elements of the population and those who come into it must have special passes issued by the Frontier Troop Administration. The intermediate belt of 10 miles is being completely depopulated. The forward area is a no man's land cleared of underbrush and other cover and equipped with physical obstacles such as barbed wire and mines. Many sectors are plowed and kept raked to reveal telltale footprints. These physical barriers are supplemented by patrols of frontier troops equipped with the latest weapons and technical aids including aircraft and radio, and such time honored auxiliaries as specially trained dogs. Interestingly enough these border troops are subordinated not to the armed forces but to the internal police. The intensity of border controls naturally varies with the nature of the frontier, the character of the population, and the terrain.

Along the sea frontiers in the Baltic and the Far East fishing crews are selected from among the nost reliable elements of the population, and as a double insurance against defection, members of the various boat crews are rotated so that no one group serves together for any length of time. As a result of some defections to Swaden from the Baltic areas, the fishing fleets in most instances are not allowed out farther than about 60 miles. They are often accompanied by a guard vessel, and are also closely watched by aircraft.

The modern way to get ideas across national frontiers is through raiso broadcasting. Even here the Communists are trying to draw the curtain.

Powerful jamming equipment has been installed at strategic points in order to produce electronic interference and eliminate the reception of foreign radio messages. These measures, so far, are only partially successful. To reinforce them the sale of radios capable of picking up foreign broadcasts is being curbed. In their place, public loud-speakers controlled from Moscow are being installed in the public squares of towns and villages in the Soviet Union.

In this way mass indoctrination can take the place of individual choice in radio reception.

Except for official use, foreign publications have been almost wholly.
eliminated from the Soviet Union. For a long period, the official publication "Amerika" was tolerated on the theory that its circulation was so limited that it did no harm. That has now been stopped. Of course nothing is published in the Soviet Union that is not Government approved.

If, by chance, Soviet artists, scientists, doctors, or technicians deviate from the official line they are quickly forced to recant or are purged. To be different is a crime. These days it seems a bit dangerous even to be a doctor in the Soviet Union.

Racial minority groups within the Soviet which once enjoyed their own individual cultures have been largely eliminated by mass purges or forced migrations to "safe" areas. The persecution of the Jews and their prospective elimination was one of the latest evidences of this phase of the Soviet campaign.

Religion has been made a State affair. Belief in God has been the hardest deviation which the Soviet leveling machine has had to face and this

has not yet been wholly solved. It is most certainly on their books as the final obstacle to the complete realization of their ideal of the Bolshevist State, but neither Lenin nor Stalin has yet been accepted as a substitute for God by the Russian people.

The program of isolation which has been followed in the Soviet Union with ever increasing intensity since the Revolution of 1917 has approached its climax during the last few years. Within the heartland of Russia, this program has been carried to near completion.

In the European satellites, the progress has been slower, differing from State to State depending upon the length and completeness of Soviet domination, and on the time and attention that the raster minds in Moscow have been able to give to this particular task. In these States, with centuries of Christian tradition behind them, the leveling task will take some time -- but is being ruthlessly pressed forward.

All of these facts are well known to us -- it is only when we put them together and see their cumulative effect that we can appreciate their full meaning. We have, none of us, ever been subjected to conditions where year by year we have been told one thing, read one thing and allowed to think one thing. It is otherwise in the Scylet Union. There thought is prescribed. No alternative is offered.

In our own daily lives, by contrast, we are given choices. We can make up our minds as between possible alternatives. It is hard for us to conceive how our own minds would operate if, say for the last twenty years, we had been given only one choice and heard only one message. I can only assure you of my firm belief that few of us would have withsteed such treatment and kept an open mind.

During the past few years, in particular, the people of the Soviet Union and of the Satellites have been given one theme song about the Western democracies and especially the United States, namely, that we are the enemy of the Soviet people, that we are plotting their downfall and attempting their encirclement. We are portrayed as the protagonists of atomic and bacteriological warfare, and our government is said to be dominated by the magnates of Wall Street -- the oppressors of the working man. It is the most vicious campaign of hatred that any country has ever attempted against another. It is a campaign intended to condition the minds of the Russian people so that their leaders could embark on any type of aggressive action against the free world. Unfortunately, it is a campaign that is making steady progress under conditions where no dissenting voice is allowed to interrupt the hate tirade, even though the crescendo may be toned down during "peace offensives".

\* \* >

The second phase of the brain-conditioning program of the Soviet is directed against the individual, case by case. Here they take selected human beings whom they wish to destroy and turn them into humble confessors of crimes they never committed or make them the mouthpiece for Soviet propaganda. Here new techniques wash the brain clean of the thoughts and mental processes of the past and, possibly through the use of some "lie serum", create new brain processes and new thoughts which the victim, parrot like, repeats.

The development of these new techniques has been under way in the Soviet Union for a long time. We first had some inkling of what they were doing during the notorious purge trials of the late 1930's. Then we saw hardened old Bolsheviks, veterans of many revolutions, who became like docile

children in the hands of the Soviet prosecutor, Vishinshy. With alacrity and seeming enthusiasm they confessed to all manner of extraordinary crimes against the Soviet State and hastened to invite the death sentence. How far these confessions were truth and how far they were fiction remains today a mystery; but certainly the men who made these confessions had gone through a mental metamorphosis when they appeared before the State prosecutor.

Maybe the techniques of those days were crude, but they served well the bosses of the Kremlin and demonstrated beyond any doubt that anyone whom the Kremlin rulers decided to destroy and had put through the necessary period of indoctrination would state just about what these Kremlin rulers wanted him to say. And a tougher, more case-hardened group of men probably never appeared before the bar of "justice".

After the war, Soviet science and ingenuity made rapid strides in the study of mental reactions and in the nefarious art of breaking down the human mind. Possibly the case that most startled the West was that involving the confession of Cardinal Mindszenty, in Hungary. Here a man of proven courage and outstanding intellect was brought to a point of publicly confessing actions which those who knew this outstanding character could not possibly have attributed to him. More recently, in Czechoslovakia, we have had the trial of Slansky, Clementis and their associates who had fallen into disfavor with Mescow. Here, again, we had hardened products of the Communist system. The only trouble with Slansky & Co. was that Moscow wanted someone clse to have their jobs so they up and confessed to those crimes and misdemeanors against the Communist State which would assure their removal from the scene.

There is one interesting feature about this type of trial; it is the length of time between arrest and confession. It is rarely less than six

months. This is not because "Communist justice" cannot move with rapidity when it wants to. In fact, few things can be more rapid. But in cases where detailed confessions in open court are desired, there must be a considerable period -- probably a minimum of around three months -- to properly indestribute the intended victims. Mere written confessions could be much more quickly extracted by torture.

What does this indectrination consist of?

We, in the West, are somewhat handicapped in getting all the details. There are few survivors, and we have no human guinea pigs, corselves, on which to try out these extraordinary techniques. The Soviets have their political prisoners, their slave carp innates and finally, and most tragic of all, our own countrymen whom they held as prisoners.

We now have, however, some evidence on which to base a judgment. A few have escaped from the ordeal of brain-washing to tell their story. One of the first was Michael Shiphov, a young Bulgarian efficer educated at Robert College in Istanbul. He served for a time with the American Mission in Bulgaria following the end of the war. In 1949, he was arrested by the Bulgarian Communists, subjected to the brain-washing technique, miraculously managed to escape, reported on his experiences to the American authorities and then, in attempting to escape from Bulgaria, was tragically caught and liquidated.

The techniques employed in the case of Shipkov were somewhat crude but give the pattern of the later, more refined methods. One element stands out in all the known cases. It is endless interrogation by teams of brutal interrogators while the victim is being deprived of sleep. In the earlier days, as in the Shipkov case, some minor tertures were employed. Shipkov

was forced to stand in an awkward position without being allowed to move during the interrogation. Only a short time was required to "breat" him as all that was required of him by the Communists was a signed confession. As he looked back upon his experience, here is what Shipkov wrote:

"Out of the jumbled memories, some impressions stand out vivid. One: they are not over interested in what you tell them.

It would appear that the ultimate purpose of this treatment is to break you down completely, and deprive you of any will power or private thought or self-esteem, which they achieve remarkably quickly. And they seem to pursue a classic confession, well rounded off in the phraseology, explaining why you were induced by environment and education to enter the service of the enemies of Communism, how you placed your capacities in their service, what ultimate goal did you pursue -- the overthrow of the people's government through foreign intervention. And they appear to place importance on the parallel appearance of repentance and self-condemnation that come up with the breaking down of their prisoner."

During and after the late war the Soviets made extensive efforts to reindoctrinate German and Japanese prisoners of war. Many of these have not even yet been repatriated. Those that have been released have been sent tack to their homeland as missionaries for the Communist faith. Recently, there has been a new development in Soviet procedures which takes on, for us, an even more alarming significance. The Communists are now applying the brainwashing techniques to American prisoners in Korea and it is not beyond the range of possibility that considerable numbers of our own boys there might be so indoctrinated as to be induced, temporarily at least, to rensumce country and family.

American aviators who publicly make spurious "confessions" of participation in the use of germ warfare against North Korea. We have a copy of this film and I saw a showing the other day. Here American boys -- their identity is beyond doubt -- stand up before the members of an international investigatory group of Communists from Western Europe and the Satellites and make open confessions, fake from beginning to end, giving the details of the alleged dropping of bombs with bacteriological ingredients on North Korean targets. They describe their indoctrination in bacteriological warfare, give all the details of their missions, their flight schedules, where they claim to have dropped the germ bombs, and other details. As far as one can judge from the film, these pseudo confessions are voluntary. There is little prompting from the Communist interrogators.

More recently, the Chinese Communist radio broadcast what they claimed was the recorded voice of a Colonel and Major of the United States Marine Corps, captured last July, giving, in the greatest detail, fictitious information regarding preparations for bacteriological warfare in Korea. Since then these alleged confessions have been introduced by the Communists into the proceedings at the United Nations.

These statements bear the usual hallmarks of Soviet imposed fabrications -- for example, the humiliation and repentance of the individual at having engaged in such activities. Again, as in the case of the Soviet trials, there is a period of some six months between the date of capture and the alleged confession: adequate time to allow for the elaborate planning by the Communists of what the confession should contain, the drafting of the "scenario", as it were, and the -- roughly -- two to three months needed for the indoctrination of the patient.

The only factor that prevents the Communists from employing these procedures on a mass scale is the problem of manpower for the task and the shortage of trained interrogators. Presumably there are schools in which interrogators are trained in the techniques of brain-washing. However, to deal with a hundred victims at a time would require the services of four or five times as many trained interrogators over a protracted period. Each man has a team assigned to him and each case is individually prepared.

I have talked with one man who has gone through the brain-washing process, an eminent American missionary in China. He had the unique experience of going through the treatment and then of being released and given his freedom. This is very unusual under Soviet practice.

This man described how he had been subjected for seventy-five days to the monotony of interrogation, mostly during the night hours, by relays of brutal questioners, deprived of sleep and subjected to the effect of bright lighting during the period of his questioning. As far as he knew, no drugs were used, but of course they might have been used without his knowing it. In this case, no direct physical terture was applied.

After many days of this interrogation his mind was broken down, and he went into court and gave what he now recognizes to be completely false testimony against one of his fellow missionaries, asserting with confidence that this other missionary had a concealed radio with which he was communicating with "the enemy". He gave this testimony with vigor and with what, at the time, was apparent complete confidence in its truth.

\* \* \*

The information on which I have based these remarks is none of it.
secret; it is all available to any student who wishes to study this form of .

warfare which is now being practiced against us. It seemed to me useful to gather some of the facts together so that we can be alerted to the langer and are not misled or troubled by these fictitious confessions - whether from Communists victimized by other Communists or by our own people who fall into Communist hands.

The End

# ROUTING AND RECORD SHEET The fluctions: Officer designations should be used in the "TO" column. Under each comment a line should be drawn across should and each comment numbered to correspond with the number in the "TO" column. Each officer should initial (chesk, mark insuzbefore further routing. This Routing and Record Sheet should be returned to Registry. 12055 FROM: DATE DATE OFFICER'S COMMENTS INITIALS 3) Lets ledd him for the action on as 1750 is not on destrict about. 12.

FORM NO. 51-10 FEB 1950

13.

14.

15.

Aumulliand en de Caregnalas Principa Craice

MEMORANDUM FOR:

Chief, P?

SUBJECT:

11.70 - 3 142-

Follow-up on By Resolution (United Rations).

a us official at + is will

1. In accordance with my conversation with you yesterday, I took to the mosting with denter Lodes this morning your memorandum dated 10 April and bearing the above-entitled subject-heading. I offered this memorandum to him and had actually (as you will observe from the foot of the original, which is returned to you herewith) torn off your name -- and was about to tear off my title at the top, when Constant stated that he did not believe he wished to have any more from us at this time, on this subject. He expressed a profound distaste for the untire natter and said that he hoped we would never hear of it again -- it had been a hasty and difficult issue, principally because of the difficulty of explaining away the film and the statements of the American Sliers. However, the vote had besn favorable and he hoped that this was the end of the natter for him. He had no desire to raise the subject again himself, but said that he would probably call upon us for additional natorial if and when the matter should arise in the future.

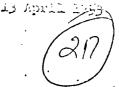
2. I caid that we fully shared his view that "the issue was finished in the United Mations", but that it had been our experience that "the bug" comes from a very hardy strain and had exhibited appelling vitality. For this reason, I said that I thought it would be a mistake to be too complacent about the matter. To the last statement Reserved Lock of replied with a question as to just what explanation we could give of the statements of the American fliers -- how did we account for this and that could be done about it? I said that our best guees was that the statements had been in one way or another forced out of the captive airmon and that one of the techniques which we thought had possibly been used was the Noviet (and now Chinese) technique of "brain-washing". Senator Lodes said that he thought the public was very inadequately informed about "brain-washing" and that in the absence of a much larger quantity of public information than now exists on the subject, the impact of the fliers! statements is terrific. I replied by stating that we shared his view and pointed out that The Bepartment of Defense in expected to issue a lengthy statement over the wesk-end and that he might watch his Sunday or Monday newspaper for this. The US official

he US-in

12055

Chief, mechnical Branch

ARTICHEKE Conference, 19 March 1953.



1. On Thursday, 19 March 1953 between 2:00 and 4:00 PM, a general conference was held on the AMTICHOME program in the SO Conference Room with the following individuals present:

The presenting SO:

Outlieb representing OTS; and See See See See a representative of the Director's Office and an observer.

The second of th

solunt stead

- 3. The discussed the proposed trip of the los Angeles and San Francisco in connection with the recruitment of personnel for ARTIGIONE field teams.
- h. stated that the who is to be the ARTICHORE representative the presentity trained in advanced Russian.
- 5. The then discussed the question involving Soviet POIs and a general discussion followed thereafter in connection with the available information on "brain washing" by the Chinese and Soviets.
- 6. Stated that he had arranged a number of contacts with individuals who are specializing and maintaining a constant study of interrogation techniques and hoped that these contacts would turn up information of benefit to the ARTICHORE Project.

R-Pl.

fortalle = 25 53-85

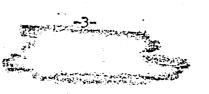
- 7. At this point, All referred to the decuments that had last year on interrogation and especially the report of an American in China, who was interrogated by the Chinese some eighteen norths ago.
- . 8. And again stated that he felt it would be proper and important if members of the committee briefed Mr. Dulles and cortain of his top assistants on the ANTIONOM work, plans and future ideas. Further proposed that a date be set (this was not done) and he further stated that the subject was being discussed at the present time.
- 9. In and commented it was a rare thing indeed for his group to receive actual materials in great quantities on which to work.
- to the program and process commented on "brain washing" and the study of "brain washing" techniques being considered by the Department of Defense. A discussion followed in which washing and the pointed out that the process of the National /cademy of Science was setting up a committee to study "brain washing" and psychological warfare tactics used by the North Koreans and the Soviets in relation to the POW problem. The discussion developed that it is apparently is collecting Agency documents for this study. It is stated that this conmittee headed by the Secret and is to receive all available information from this Agency as well as all interested defense organizations.
- 11. The problems suggested that can of the problems would be Whether or not a public offensive could be started to combat the fears and questions arising from public discussions of "brain washing" in regard to POWs hold in North Korea. had seen some of the material on "Grain washing" and suggested to that "brain washing" be used offensively by this Agency. At this point, there was some discussion whether "brain washing" as such was or was not an ARTICHORD province and it was agreed that "brain washing" was not purely an AMIGNONE subject but was closely related. In this connection, when the stated he felt that any information in this connection should be funneled into the ARTICHOME committee before any Agency activity along these lines be started. A discussion followed and the state of the would be a valuable idea to brief the work work. pointed out this "brain washing" was public knowledge since General Mark Clark had publicly commented on same and it had appeared in various newspapers and magazines over the United States and that CINTERNES had been briefed in regard to ARTICHCKE. Commenced that the matter is before the National Security Council for discussion. to



-53-86

Acado of Scherce "brain washing" yaccula

- 13. Thereafter thereins a discussion between a prestion of The control and the consistence of the ARTICHOLD program was discussed.
- It. At this point, it is a discussed the chanical "Cormin" and gave a detailed report of TSS efforts along these lines. The and stated it was now being tested and would be fully exploited. Find and stated it was now being tested and would be fully exploited. Find and stated it was now being tested and would be fully exploited. Find and stated it was now being tested and would be fully exploited. Find and stated it was now being tested and would be fully exploited. Find and an armore form the tested and under the fully exploited and uses of this new chamical. Upon conclusion of the tested recording, the answered many questions in connection with the chamical "Serumin".
  - 15. Let this point named three individuals when he stated were, in his opinion, highly competent man in commection with "brain washing" and POW work and in addition were probably thoroughly familiar with the APPICACKE work. He gave the names of the would be valuable and who is a the presiding and working in
  - 16. The date for the next meeting was set for Thursday, 16 April at 2:00 PM in the 50 Conference Room and all present were acked to contribute any information they had in connection with the ARTICHUKE works at the next meeting.



53-87

#### AGENDA

#### ARTICHORE CONFERENCE

16 April 1953 - 2:00 P. H.

- and the experimentation and research.
- II. Statement by relative recent recruiting trip to Lee incles and Surfrancisco for AMTICHOME oversees personnel.
- III. Statement relative development of contacts and naterial support of AMTIGNATE work in the U. ... Department of Agriculture and U. S. Pood and Drug-drinistration.
- lecale No. IV. Proposals relative use of returning sick and wounded Poss defricting Effe, from Korea in connection with ARTICHOND and "brain washing".
  - V. Medical Staff's current report on Hypospray.
  - VI. Current developments in the case.
  - VII. Report from CSI.
  - VIII. Report from the Medical Staff.
    - IX. Report from TSS.

Brain - washing
"Impermissable means
"deperonalization"

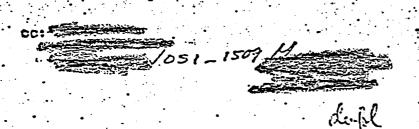
1. G.

(220)

#### MENORATION FOR MR. DULLOS.

Subject: Emloitation of Frisoners of War Returness

- 1. At the meeting of the PUB today the will be preserted to discuss this question. In discussion with the preserved at the following points:
  - a. This Agercy is arrious to accomplish the rost complete possible exploitation of the knowledge of these Wits for all purposes, including psychological mariors.
  - b. A very thorough interrogation is required, and for this purpose a number of qualified interrogators will be needed. At the present results we are not certain that a sufficient number of interrogators has been made available by the army.
  - c. A thorough interrogation can be accomplished only under conditions where the best interrogation techniques can be used.
  - d. This requires a leisurely nace of interrogation in commental surroundings and without a desire on the part of the FUN, whether he be a cooperative or reluctant subject, to get the interrogation over with quickly.
    - e. This requires that his family be nearly.
- 2. We feel that the responsibility for the interrogation and the responsibility for the funds required for it are properly those of the Army. This Agency is prepared to be, and is in fact working with the Army as, a backstop. Our people are in touch with Army G-2 and Army Paymar in working out the details of our support including the use of technical listening or recording equipment, which the Army had previously dropped as being infeasible.
- 3. With respect to the furth for the subsidy of the families, we feel it appropriate for the Repartment of Rolenso to provide them, but if they do not have such funds available recommend you offer some assistance from this Agency.



53-92

coordinati release w/DOD

# ashed Brains of POW's: Can They Be Rewashed?

These Chinese characters stand for hsi-nao-pronounced something like "she now." They mean "brainwash." The Chinese coined the word to connote the forcible purging of "unclean" ideas from a man's mind so that new ones may be forcibly substituted. But the technique of brainwashing was perfected in the Soviet Union, and has an used to control the thoughts of the people in every Iron rtain country. The American and other United Natious prison-who were exchanged at Pannunjom provided a new and first-ad insight into how the Reds wash brains.

the Western world, hsi-neo seems tie. But intelligence officers in Kolere stamping "No Interviews" on lentification cards of some homeing American POW's. All GI expers, even after being flown to hospitals. Visitors needed two differences to enter their wards. The Korean Government planned to exchanged ROK prisoners through onths of re-education without seeing iting to their families.

e reason: the minds of some of the MV's, like the hapless citizens of lin-controlled countries, had been id by Communist brainwashing, is how the Red technique works:

ufessions and Collapse: Eraining starts with a group-the workers e shop, a class of students, a single ner compound-which meets for sevhours each day. Trained "thought mers" compel each member to conevery past experience, every ght, which was not "democratic." ie leader and the rest of the group 100 each political fault and critiit. No detail is too minor: Does he sorry for his reinously taxed farmerats? The "People" are his true partheir interests must come first. Did nce make an envious remark about ricans? The truth is, the exploited workers are ragged and hungry. ater the initiate must confess all over n, stressing his sins and explaining proper attitudes himself. Again he is

so it goes, meeting after meeting. In same way, group members must ad loaded lectures ("Why Did prica Invade Korea?") and then disthem "correctly." They must make cal "progress reports" on their friends' ights, as well as their own.

sized. Again he repents and explains.

Thenever someone slips off the party, he is instantly corrected. He must int and revise some more-until fig a question on the subject, almost hanically, brings a faultlessly Compist answer to his mind.

his gradual brainwash continues for

long periods. But for those who resist, or for special cases who must be dealt with quickly, there is a more drastic technique. It involves straining the brain of the victim so cruelly that he literally retains no real thoughts of his own and willingly adopts the ideas of his captors.

Violent physical torture is not generally used. Instead, the subject is allowed little sleep and weakened by hunger, thirst, and despair. Night after night he is yanked from fitful rest to a dark room to stand motionless in a painful position. A brilliant light beats at his eyes. Hour after hour, teams of specialists interrogate him, deny his every enswer, produce "proof" of every "lie." din their own story into his ears. The Central Intelligence Agency thinks some drug or "lie serum" may possibly be used to speed up his collapse.

After one week of this routine in Red China, for instance, a devoted Catholic missionary, the Rev. Robert W. Greene (Newsweek, April 13), found that "my mind was incapable of reflection." He even doubted that he was really a priest, and dreamily wondered if the incredible charges against him were true. The complete process takes about three months. By then the prisoner is ready to stand in



Bley broadcasts a "confession"

open court, as Cardinal Mindszenty did in Hungary, and confess to crimes that could not have happened. And he wall believe that he is telling the truth.

"Number One Boys": All of these methods, returned American prisoners testified last week, were used in, the POW camps in North Korea. Prisoners had up to ten hours of classes a day. They had to make "progress reports." They were told: "You will be punished if you do not learn your lessons." The main lesson, according to Egt. Odie Lawley, was: "The United States started the whole war. All they could talk about was General MacArthur and President Truman. They called them warmongers."

For willing pupils, called "number one boys" by the rest, there were rewards-cigarettes, better tood, and even unguarded billiets outside the stockade, and girls. For "malicious elements,": there were hard-labor "reactionary camps" and threats of uncomfortable cages as munishment for active resistance. Possibly for these reasons, rather than out of conviction, a few prisoners "wrote some pacity bad stuff" for Communist magaziness Others "preached just like the Chinese."

A small number evidently underwent concentrated brainwashing. Some went on propaganda tours of the Soviet sateilites, giving party-line "interviews" to the Red press. Others, like Col. Frank H. Schwable and Maj. Roy H. Bley. American Marine airmen, made public "confossions" of having waged bacteriological warfare. Major Bley was quoted by the Reds as admitting that his ourse "dropped germ bombs" and that he personally handled "germ-bomb supply."

"I Laughed': South Kerean authorities believe many freed ROK soldiers have been deeply influenced. But for the majority of Western prisoners, at least, the indoctrination program was apparently crude and ineffective, and it was speedily dropped in several camps. Most reacted like Navy Hospital Corpsman Thomas H. Waddill of Fort Worth, Texas: "I just laughed at them."

How seriously the few who did not laugh were affected is not yet clear. One official in the Far East confidently asserts: "There's nothing to this brainwashing that a good steak and an iccream cone won't cure." The Pentagan, which hopes so, decided last week to lift the security cover from all ex-prisoners when they reach the United States. By then, it felt, any "confusion" in their minds should have been dispelled.

But if the free environment does not clear up the symptoms of his-nao, corrective treatment—rewashing the brain—may take a long time. The Army has never had to face the problem before.

## It's More Than Korea

Vice Admiral C. Turner Joy, now Superintendent of the U.S. Naval Academy at Annapolis, watched every twist of Communist maneuvering as senior U.N. delegate to the truce talks from July 1951 until May 1952. As the Panmunjom talks resumed, A. T. Hadley of Newsweck's Washington bureau interviewed Admiral Joy for his expert slant on the Reds' motives and the prospects for peace.

Why do you believe the Chinese and North Koreau Communists decided to reopen the stalled Korean truce talks at this time? Do you think they did this of their own volition or as part of an over-all plan laid down by the Kremlin?

In dealing with the Communists it is idle, not to say foolish, even for a Communist, to pretend omniscience. If I were to guess, I would say that the Communists no longer see any advantage to themselves in playing a waiting game. I think it must be clear to their by now that we are not going to be victims of our own impatience.

Also, I think it may be a matter of disappointment to them that the change in our national administration has not resulted in any change in our national attitude toward Korea and, in fact, has resulted only in a reaffirmation of the validity of our purpose.

In short, they have failed to uncover any advantage in stalling and are now ready to take their chances on a more dynamic approach, hoping to engineer us into awkward situations and to exploit any mistakes we might make. As for where the idea of resuning the talks originated. I do not know, but I do not believe it would ever have been acted on without the approval of the Kreinlin.

Do you think that the Communist invasion of the Kingdom of Laos in Indo-China has any connection with the truce talks? Is it probable that the Reds are using the talks as a shield for further aggression in Indo-China?

If we take the realistic view that we are confronted by an enemy whose announced objective is world domination and that we are in the middle of a war that is fought around the globe

on many fronts in many ways, we are not likely to regard an event like the invasion of Laos as being unrelated to the over-all pattern. On the contrary, we will see it as a confirmation of what we know the pattern to be.

It is a mistake to consider the invasion of Laos and the resumption of the truce talks as isolated from each other. In the same breath, I would say that a great many thinking people must be genuinely concerned that the net effect of an eventual truce in Korea would be to create an illusion that the global war is over.

It should be remembered that Ko-



Joy: No illusions, no surprises

rea is only a phase, though the "most painful phase," of a war that is fought around the globe.

Were you surprised at the stories of multreatment told by some of the returning prisoners of war? What do you think the Reds hope to gain from the exchange of sick and wounded POW's? And do you anticipate that many of our soldiers will have been brainwashed?

I would have been a lot more surprised if our returning prisoners had not brought back stories of maltreatment. Of course, the Communists are not above treating small numbers of our prisoners well for propaganda purposes. I think the Communist decision to accept our proposal on the exchange of sick and wounded was an



afterthought to their decision to request a resumption of the talks.

The exchange did not cost them anything and served the useful purpose of creating a favorable atmosphere for the resumption of the talks.

As for brainwashing, if there has been any, the most effective antidote will be a breath of free air and the sight of home.

How can we best conduct further negotiations with the Communists in Korea? Are there any particular pitfalls the U.S. should be wary of in the negotiations?

I have not been involved with the negotiations for nearly a year now and am not conversant with current detailed exchanges. Hence, I am not in a position to point out specific putialls—the Communists are always devising new ones. The important thing in negotiating with the Communists is to know what you want and why, and then go after it with patience and unmistakable firmness. It isn't complicated: it's just difficult.

Of course, by far the best way to negotiate with the Communists in a military situation is to apply sufficient military power to give emphasis and meaning to your arguments.

What do you think of the chances for a truce settlement now? Do you think that the Communists are ready to compromise on foreible repatriation?

There is good reason to believe the Communists may want an armistice. Basically, they want to get us off the Korean peninsula. They haven't been able to drive us off the peninsula, and I believe they see their best hope of doing so through an armistice and the political conference to follow it. You will remember that one topic they insist be taken up at that political conference is the withdrawal of all foreign forces from Korea.

If the Communists find a way to save face on the prisoner-repatriation issue. I believe we may see an end to the fighting. However, I hope no one is so naive as to believe that an armistice will be the magic solution and the end to our problems in Korea, let alone the Far East or the world.

5 12y 1953 (222

PENDRUDIM FOR: Director of Security

SURJECT : Project

#### 1. PROBLEM:

How to provide the medical research required in support of Project

2. ASSUMPTIONS:

Hone.

- 3. PACTS BEARING ON THE PROBLEM:
  - a. Project is research in nature.
  - b. The research required is essentially redical.
  - c. The sensitive nature of the project detards Agency control.

#### 4. DISCUSSION:

Facts a and b are self-evident. Fact c may be somewhat forgotten in view of recent project developments. However, the time is not too long must when the project was considered Top Secret and only discussed through rigid control procedures. The need for control and secrecy has not diminished with a lower classification.

The need for control is not only inherent in sensitivity, it is also a product of project requirement. Project needs are these peculiar to intelligence and research incidental thereto must be directed toward operational needs. Experimentation in the hands of those unfamiliar with field requirements will, at best, be inappropriate.

The need for control should not be commonised by budgetary considerations. The mare fact research facilities might conceivably perform experimentation without reimbursement does not permit the facency to relinquish its control or authority even for the sake of economy. The expensive needs of this project must be faced and paid for by this Agency if the project is to succeed on behalf of the United States Government.

Marie Commission of the Commis

<u>573-97</u>

#### 5. CONCLUSION:

The Agency must establish and maintain rigid standards and procedures of control of Project It can only accomplish this by establishing its own research program.

#### 6. RECOMMENDATIONS:

It is recommended that the Agency attempt to establish at an appropriate university, preferably in the Washington area, a Department of Forensic Medicine whose endowment and key personnel atem from the Agency. The project and allied Agency meeds could thus be served with complete control, legal performance, and appropriate cover.

Distribution:

Cy #1 & #2 of 3 - Addressee

Cy #3 - NO File



17 5 May 53

IN 2. .37

223

TO: DIRECTOR, CIA

THOM: DIRECTOR, OTH

ROUTINE

15352 5 MAY 53

ACTION:

INFORMATION,

TO DIR

CTSE.

I FORMER OFFICER,

WHO ONCE ASSISTED US APPRIVED APPRIVED APPRIVED AND FOR THREE WEEKS FOR PROPOSE DETERMINING WIFE ACAUSE OF DEATH. SINCE CAUSE MAY BE TRACEABLE TO ONE OUR OPS, WISH ASSIST HIM.

2. ACQUIRED FIRST SYMPTOMS HER SIGMISSS 1949 SHORTLY
AFTER SEVEN SOVIET DEFICIORS WERE ADMINISTERED UNKNOWN POISIN

(BY SOVIET ACENT THO ESCAPED)

PROMPT MEDICAL ASSISTANCE SAVED VICTUS, BUT THEY HAD RECURSENT
WILDER ATTACKS.

3. EXAMINATIONS AT

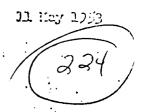
SICKHESS AS MULTIPLE SCLEROSIS. AUTOPSY CONTRADICTED ANALYSIS BUT
PAILED IDENTIFY ILLUESS WHICH CAUSED PARTIAL DISSOLUTION BRAIN
TISSUES.

DETERMINE PRESENT WHENTABOUTS OR FATE REF REFECTORS, IT WILL HELP DECLIFE WHETHER PLACE SELF AT DISPOSAL MEDICAL SCIENCE FOR RESEARCH ON UNKNOWN SIGNIESS PRESUMABLY CAUSED BY UNKNOWN SOVIET DRUG.

- 5. REQUIST LOCATE REF DIFECTORS THO SENT FOR INTERPOCATION AND DISPOSAL MARCH 1949. TWO OF THEM TORE NAMED OUR REPORT ON THEM HOR AVAILABLE HERE.) SHOULD DETERMINE IF THEY SUFFER, WHAT SYMPTOMS, AND IF DIED, OF THEAT SYMPTOMS.
  - 6. COPY AUTOPSY BEING POUCHED.
  - 7. HOULD APPRECIATE YOUR COMMENTS RE FURTHER ACTION.
    FIND OF MESSAGE.

Chief, Technical Dranch

ANTICHMEN Comforence - 16 April 1953



1. On Marriday, 16 April 1973 between 2:00 and 4:00 Mi, a conference on ANTICAULA was held in the 19 Conference Boom, 2010 I Dailding. Present at this conference were:

and the representing the Medicul Marris and Conference and Con

lelete utive?

cussion by all hands concerning the use of this erea for research and testing in the ACTICHOLD work. In general, the discussion seemed feroveble and all hands agreed that a great deal of work was necessary and it was essential to find an area where large numbers of bodies would be used for research and emerimentation. Consider that in connection with the testing of drugs, he was quite certain a number of psychiatrists all over the United states would be willing to test now drugs, especially drugs that affect the nind. Several others present stated there were foundations, laboratories, etc. that would test now drugs. All present agreed that the wider the testing the better the chances of success.

and Similar and the obtaining of a number of recruits for

for file #18 53-101

- 5. Following t , reported on the devel ment of the facilities and laboratories of the U. S. Departme. of Agriculture both at Beltsville and Washington for future use in connection with ARTICHOKE work. also pointed out that the U. S. Department of Agriculture had been enlisted to speed up the bringing in to the United States various botanicals for the ARTICHOKE program and the Department of Agriculture had given fine co-operation in this connection.
- and certain specialists in the Food and Drug Administration and how full co-operation had been promised by these individuals.

  described the various laboratories and testing facilities of the Food and Drug Administration that would be made available to the ARTICHOKE work when and if necessary.
- 7. At this point, there was a general discussion conterning the problem of the returning POWs from Korea. gave a detailed description of the problem to that point and told of the ARTICHOKE efforts to assist in the interrogation of the returnees. All hands agreed that the "hard core" group and those who had been successfully indoctrinated were excellent subjects for ARTICHOKE work but it was the general opinion of those present that owing to publicity and poor handling, the ARTICHOKE techniques could not probably be brought to bear. stated that he was making every effort in this connection and pointed out that he knew all the Surgeon Generals personally and was endeavoring to fully acquaint them with the possibility of ARTICHOKE use in connection with the returnees.
- 8. At this point, presented the paper written by of the Medical Staff on his research of the hypospray and related instruments. This paper, which covers in detail and various devices and problems in connection with the use of the hypospray, reflects as a conclusion that at the present time the hypospray does not appear to be useful for the ARTICHCKE work.

  stated, however, that the Medical Staff intends to keep in touch with the entire field and any new developments along these lines will be studied to see if they have an ARTICHOKE interest.
  - 9. then discussed the "Explosive" case. pointed out that the individual known as "Explosive" had been dropped from any possible operational use and that the division that controlled his future activities were preparing to turn him

(Copy)

consented to this from a security point of view because of medical report on "Explosive" and a careful analysis of the facts in the case by and a from a security basis.

- then stated that he had recently been in touch with Senator Lodge (U. S. Representative at the United Nations) and Senator Lodge had shown a great interest in the potentiality of the Chinese and Soviet use of "brain washing" as a propaganda weapon for use by the United States at the United Nations' sessions. Senator Lodge stated he was seeking a very dramatic word which would indicate horror and would condemn (by its sound) Soviet practices of attacking people's minds. It is stated that he had mentioned use of the word "impermissible means" as a combination of words to be used by Senator Lodge since the Soviets themselves had widely used these words in connection with the recent release of the doctors who had been charged with poisoning Soviet officials.
- 11. gave a brief report on spire-oxy-barbiturate which he was having tested. He stated that, to date, results have been disappointing but work in this connection will continue.
- interest of the ARTICHOKE group and the fact that the ARTICHOKE program of necessity continually moves in operational channels, that an OPS man of senior rank, possibly attached to the office of DDP should be invited to attend these meetings regularly.

  stated this man should have sufficient authority to discuss the ARTICHOKE work with high level OPS people and stated he should also have sufficient knowledge of operations to understand the ARTICHOKE problems in relation to operations.

  stated he would talk to the state of the state
  - 13. The meeting adjourned at approximately 4:00 PM after Thursday, 21 May 1953 had been agreed upon as the time of the next meeting. This meeting to start as usual at 2:00 PM and to be held in the SO Conference Room.



1 30 75.27 153

MAY 13 1953

My garana a campar of TN

EDICANDUM FOR:

The Director of Contral Intelligence

EUDJECT:

Briefing for the Psychological Strategy Board

1. Active research work is being performed in the Agency on drugs which can cause personality changes.

- 2. The Agency is performing research on a drug called "Seremin" (lysergic soid dictiphysics, company called LED). This drug is remulated by a serior of the USA. It comes to morary vertal decongraphs. The drug is testaless, readily soluble in all liquids, and an infinitesimally small dose will produce tental decongraphs.
- 3. We believe it is important that selected individuals, in close contact with high US Covernment officials who are concerned with foreign affairs abroad, abould be informed of the emistence of drugs that change personalities.
- the If one of our high government officials shows signs of a changed personality, steps should be taken to have him "confined to quarters" for at least 2% hours, as the drug above mattioned dissipates its effect in that period of time, provided no udditional doses are administered. This, consequently, makes that the food and liquids during this 24 hour period must be very carefully extends.
- 5. 'In our opinion, the Psychological Strategy Doard, and the Intelligence Advisory Committee in executive session should be briefed only in general terms, with no reference to the specific drug described, and "no publicity" should be stressed. The attached acmoranism is a suggested outline for your briefing of PMB. This ratter has been coordinated with Advisory and and approximate and approximate the property of the stressed outlines.

Assistant Director Scientific Intolligence

Attachment - 1 Distribution:

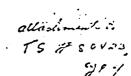
CSI: (13 lov 53)

The same sport of the same

Servery charter

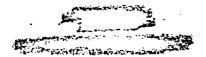
.

. . •



# EMMINIS FOR POPULACIONAL EMMINISTE FOR POPULACIONAL

- I. There has been much talk and publicity exacerning "brain washing" and the techniques which supposedly have been used to produce these mental aberrations. The "third degree" in all its variations will undoubtedly weaken and fatigue body and mind to the point where am individual may say or do things apparently completely foreign to his basic philosophy.
- 2. There are also a group of drugs which temporarily alter personality. Henry of these have been known for years as i.e., marijuana, payote (mescal buttens), and the compounds related to beneating. Recent research has greatly strengthened the effectiveness of these compounds in their effect on personality.
- 3. Although there is, at the present time, no "worder drug" which will satisfy all the requirements of the so-called "brain waching," it is important to be some of the possibility of covert mininistration of drugs to select high-level government officials who are abroad dealing with foreign affairs. The pattern of behavior of high-level Soviet officials suggests that they are some of these possibilities.
- 6. It is felt that it is instricted to make any general release of information in regard to drugs with relation to "brain washing."



(226)

या व या विश्वास

The Carotter of leasing

Fifth Chief, Topicaled America, 10

- 1. This is to remind you wind there will be an Project Conference on Threedry, 21 day 1953 on 2100 for in the Conference Joseph, 2215 vil Dalking.
- 2. If you wish to put anything on the espain, proceed any excelet topic or require information in connection with this Conference, places call termsion and the content of the conference.

Security Officer

Ç.;;

Representatives from security, technical, intelligence, operatio

intelligence, operations, and medical staffs.



 $\mathcal{Y}^{0}\mathcal{Y}$ 

EDB 242/6

RESEARCH AND DEVELOPMENT EOARD Washington 25, D. C.

Log 110. 53-1057

19,12y 1953

Copy No. \_\_\_\_\_12

MEMORANDUM FOR ASSISTANT CHIEF OF STAFF, G-2

Department of the Army
DEPUTY CHIEF OF NAVAL OFERATIONS (Operations)
Attn: Director, Naval Intelligence Division
Department of the Havy
DEFUTY CHIEF OF STAFF, OFERATIONS
Attn: Director of Intelligence
Department of the Air Force

SUBJECT:

Guidance for Research on Interrogation Techniques and Agents, and Interrogation Countermeasures

Reference:

JCS, JIC Memo for Chrmn RDB, JICM-163-53 of 12 Hay 1953 (5)

. \_\_\_\_\_\_\_

Attachment: RDB 2h2/1, Report of Ad Hoc Medical Study Croup dated 15 January 1953 (S) - 2 copies -

1. I activated an ad hoc study group in August 1952 to determine whether a potential threat exists to National Security by ascertaining whether effective and practical techniques exist, or could be developed, which could be utilized to render an individual subservient to an imposed will or control. Complete effectiveness of such techniques was understood to mean that the individual exposed would be subsequently unaware of their use. The code word the control of the study group.

- 2. The group completed its preliminary study and submitted the attached report, RDB 2h2/1, in January 1953. The report indicated all known techniques and agents which may be applicable to the problem and contained comments on the feasibility of utilizing them and of protecting against them. Comments on the existing military research and development program in this area and recommendations relative to promising research were also included.
- 3. It appeared that research along the lines indicated by the report may contribute to the attainment of an interrogation potential not apparent to date and would provide means for indectrination and protection against any such developments by the USSR. Inasmuch as we were not aware of any requirements for research of this nature, I asked the Joint Intelligence Committee to advise me of any such requirements. By reference memorandum,

· RDB 242/6

I was advised that an urgent need exists, from an intelligence and security point of view, to develop effective and practical techniques, which, if utilized, would render an individual subservient to an imposed will or control. The JIC also stated that attention should be directed in research to the possibility of employing effective techniques which could nullify in advance, any attempt to impose a will or control for the purpose of extracting classified information. Further research as to the physiological effect of drugs and chamicals on human beings was indicated as justified. The JIC also stated its continuing interest in the broader field of the effect of drugs and chamicals on human beings as related to interrogation techniques and countermeasures from an intelligence point of view.

In The attached report contains research recommendations relative to immediate military needs and the collection of data which may improve basic understanding and thus ultimately prove to be of military use. These recommendations point cut desirable research, the need for which is confirmed by the JIC statements.

5. I am forwarding the report to you for your information, guidance and appropriate action. We would be pleased to work with you on any further research and development planning which may be desirable and to reconvene our study group to assist in such studies, if necessary.

6. It is requested that you keep the RDB advised of your research and development activities in the field of interrogation techniques and agents and in interrogation countermeasures. Our activities in this field are hardled by the property of his staff.

Chairman

cc: Army G-4 w/o attachment
Navy CNO (Attn: Op-372) w/o attachment
AF DCS/D w/o attachment
Chrmn, JIC, JCS w/o attachment

RDB 242/6

#### ROUTERS AND ELECTED SHIPT

INSTRUCTIONS .- Officer designations should be used in the "TO" column. Under each comment a line should be drawn seross sheet and each comment numbered to correspond with the number in the "TO" column. Each officer about mittal (check mark insufficient) before further routing. This Record and Routing Sheet should be returned to Ergistry.

FROM: Tedicine Division, C/SI DATE · COMMENTS 10-PECEIVED FORWARDED 3- This Krousteline by 30115 s is an interesting {+}° report of elineal Eineman reading, but of you ware time of (3) a enjoy of this, in fruit form; should be sould to FDD for Heir central collection translations. 11. 12. 13.

ux 115 51-9 THEE

RESTRICTED

CONFIDENTIAL

...Carlo

aroused in psychochemical agents and particularly in lysergic acid for use in psychiatric hospitals. Admixtures containing lysergic acid diethylamide other than with barbiturates to shorten the period of apprehension have apparently not been tried. The biosynthesis of d-lysergic acid diethylamide has not been attempted in this country as far as we know.

Probably the greatest difficulty in the effective exploitation of lysergic acid and its derivatives is the difficulty in extrapolating experimental animal data back to humans in order to predict results.

Although some of the research workers are known to be reluctant to use this compound for clinical research, some research on the material has 12-14 been clinically evaluated and recorded both in Boston and New York.

#### SUMMARY

- D-Lysergic Acid Diethylamide is a psychochemical agent of considerable potential value as a strategic agent.
- The Soviet Union has shown great interest in it and has procured considerable quantities of it.
- 3. The SANDCZ Ltd of Switzerland is the major manufacturer of this substance.
- 4. Research on psychological studies with this agent is going on in this country.
- 5. The synthesis of this compound is long and difficult, and 15 stages occur in the organic synthesis. The yield of this material is known to be very low when obtained through partial synthesis from ergot.



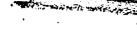
- 6. No biosynthesis is being undertaken in this country.
- 7. Some clinical data are available on its use both in this country
- -- and in Europe.

#### APPENDIX A

#### Scleeted LSD References

- 1. Burger, Alfred, Medicinal Chemistry, Vol. I, pp. 350, 1951.
- 2. Jacobs, W. A. & L. C. Craig, <u>Journal of Biol. Chem.</u>, Vol. 104, pp. 547- (1934)
- 3. Stoll, W. A., Schweiz. Arch. f. Neurol. u. Psychiat., pp. 60, 279- (1947)
- .4. Sandoz Ltd., Report from the Pharmacology Lateratories, November, 1952
- Condrau, G., "Clinical Experiences with Lysergic Acid-Diethylamide in Normal and Mentally Sick Persons." <u>Acta Psychiat. et Heurol.</u>, Vol. 24, pp. 9-32, 1949
- 6. Forrer, G. R. & Goldner, R. D. "Experiment Physiological Studies with Lysergic Acid Diethylamide (LSD)-25)" Arch. of Neurology and Psychiatry, pp. 65, 581-588. 1951
- 7. Savage, Charles. "Lysergic Acid Diethylamide (LSD-25), A Clinical-Psychological Study" American Journal Psychiatry, Vol. 108, pp. 876, 1952.
- 8. W. Mayer-Gross, McAdam, W., Walker, J. W. MATURE, London, Vol. 163, pp. 827-828. 1951 "Psychological & Biochemical Effects of Lysergic Acid Diethylamide."
- 9. Mothes, K., & Silber, H. "Cultivation of Ergot" Die Pharmazie, VII, pp. 310-313, 1952.
- 10. Patent Specification 579,484. Appl. Date (U.K.) April 28, 1944. Granted August 6, 1946.
- 11. Becker, A. M. "The Psychopathology of the Lysergic Acid Diethylamida Effect." Wien. Z. Nervenhk. Vol. II, pp. 1-54. 1949. ID. 740993
- 12. Rinkel, M., DeShon, H. J., Hyde, R. W. & Solomon, H. C. "Experimental Schizophrenia-Like Symptoms." American Journal of Psychiatry, Vol. 108, pp. 572-578, 1952.
- 13. DeShon, H. J., Rinkel, M., & Solomon, H. C.: "Mental Changes Experimentally Produced by Lysergic Acid Diethylamide." The Psychiatric Quarterly, Vol. 26, pp. 33-53, 1952.

14. Hoch, P. H., Cattell, J. P., & Pennes, H. H.: "Effects of Mescaline and Lysergic Acid" American Journal of Psychiatry, Vol. 103, pp.579-584, 1952.



#### APPENDIX B

### Life Cycle of Errot

- a. Head of rye with prominent hardened, dark-red fungus bodies ergot
- b. Sprouting ergot with several stalked globular heads
- c. Flask-shaped cavities imbedded in the surface of a single head
- d. Single cavity with numerous tube-like sexual sacs or asci
- e. Filiform ascspores in closed and opened sacs
- f. Single ascspores, capable of infecting rye flowers, forming a mycelium therein
- g. Mycelium, spreading in the grain tissue, forming bead-like, asexual spores (conidia) for further infections

and the same of th

#### AGENDA

#### ARTICHOLE CONFERENCE

.21 May 1953 - 2:00 P.M.



- 1. Returning Korean POJs, assistance offered for interrogation and technical support.
- 2. Participation in debriefing of la seurce
- projects delayed
- pending full study of all personnel involved.

  4. Conference with the study of all personnel involved. Institute of Months, Designation
- 5. Special report to DCI re certain drugs
- 6. Report from Medical Office.
- 7. Report from OSI.
- 8. Report from OTS.

Cilef. ocurity Rosearch Steff

Chief, Technical Branch

ARTICHOKE Conference, 21 May 1953

ONORE Conference was held in the SO Conference Room, 2000 I Building.

Fresent at the Conference were the Redical Staff;

representing the Director's Office and OSI; and a representing TSS.

- 2. Description of the Conference by discussing the participation of the lackmical Dranch of 50 in the interrogation of the returning Korean FO. at Valley Forge. The stated that entropy pressure of public opinion both on the military services and on Congress had interfered with a well worked-out program in connection with the FO.s. He stated, however, that this agency had furnished support in the form of technical emipment to G-2 of the Army who actually handled the returned FO.s. The stated that he had had conferences with G-2 of the Army and representatives of the Surgeon General's Office and that although there had been some discussion as to possible use of sodium anytal and pentathal, this had been ruled out compactably by the Surgeon General's Office.
- of G-2 and representatives of the Surgeon General's Office in very general terms on "Scrania" but since all returnees in Valley Forge were hold in one word, the use of this chemical had been ruled out because of the long and obvious period of hangever.

  stated that there was little chance of using the ARITHMAN techniques on the returnees. He stated that after the few days spent at Welley Forge, the new would go on leave for thirty days and return to the nearest Veteran's Respital where they would be discharged. He stated there was a slight possibility of some "spot" interrogations then certain of the men returned but that would be solely upon the request of G-2 and would probably be too well controlled for advanced ARTICHCES techniques.
- turned up only five returness who might be classified as "hurdcore" and that G-2 would probably handle these cases on a semewhat different basis although the details have not been worked out at this time.

- 5. A general discussion followed cone raing the interrogation of the returnees and it was exceed that the interrogations would not probably be too effective since there were too many handleaps to use the ARTICHORS techniques or even handle extensive interrogations in the conventional way.
- the debriefing of the stated that the front Korea who had been picked up in the early days of the war, and stated there were a number of suspicions regarding and that the would follow the case.
- 7. emplained that the projects at and experience had been delayed because of the full investigations on the persons involved. In checking the stand personnel it was found that one person was the subject of an ONI investigation and until this is cleared up our project could not be started. It conlection with key personnel for the ARLICAGE project proposed there.
- 8. It then discussed the conferences that the and himself had attended with the Bethesda, Maryland. Ar. Allen at the Estimate of Marking at Bethesda, Maryland. Ar. Allen pointed out that the second and actual processing of crude and promised support both in research and actual processing of crude materials as necessary. The stated that the contacting of the MRICHOW program in doubt and to insure that all possible avenues and fields were being explored in this connection.



- 10. Following this, discussed a paper concerning the use of drugs against key U.S. officials overseas that had been prepared for delivery by the Director to the Psychological Strategy Board. This paper was prepared by and had been delivered to the Director and, as far as a knew, it had been given to the Psychological Strategy Board.
- 11. Following this, stated he had talked with of DDP concerning a representative to attend all ARTICHOKE Conferences. stated that this was under consideration and, in the immediate future, DDP would be represented at all conferences.
- device and he and discussed the recent conferences between representatives of ONR, of Chicago and stated, in the immediate future, was bringing the completed Sidetone Delay device with all related material to Washington which would, after routine processing by ONR, then be delivered to this Agency. Then stated that and from groups would study the device and then turn it over to TSS for their study to see if further investigation and research is warranted.
- 13. There was a general discussion by all hands on possible use of supersonics in connection with various ARTICHOKE problems.

  pointed out that research is now being carried out in this direction and, in the immediate future, some specifically directed research would be held in connection with the affects of super or ultra-sonic sound on human beings.

  stated that this matter is waiting upon certain security clearances for development.

COPY

16. The meeting adjourned at approximately 4:00 PM after Thursday, 18 June 1953, had been selected as the time of the next meeting. It was agreed that the meeting would be held as usual at 2:00 PM in the SO Conference Room.



COPY

ROPICE

incidents fel s 12 Juno 1953

### THEFROGATION REPORTS OF RETURNED AMETERIAN PRISCHESS OF MAR

OCD has received a set of superto resulting from G-2, FEGOM intorrogation of American sick and approped FOR's recordly released by Casacilat Ferees in Karea. These reports deal principly with conditions and troutagent at the Pil carpe.

One print of each report is available for review in the Library; exaphane negatives are also on file in the Library Micros film Reading Hoom,

rief, Lisiem Divisi ilection & Disserinati CSI

651 - 3.0 60 = 20 librai - 3

MISTRIBUTION: CCI - 10 CIS - 20 ल्या - 10

Has this que to

MEMORANDUM FOR: CHIEF OF OPERATIONS

SUBJECT

: 15 June Report on POW Situation

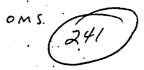
1. The following paragraphs summarize the highlights of the report of the Ad Hoc Committee which monitored the processing of 23 repatriated POWs at Valley Forge General Hospital. This report has been submitted to the Secretary of Defense by the Secretary of the Army and is now under consideration in CSD.

- 2. The report is based on detailed study of 20 of the 23 cases. It concludes that:
  - a. The Communists did not employ sinister techniques such as drugs, serums, etc., but straight propaganda indoctrination.
  - b. All 20 POWs collaborated with the Communists -- some will-ingly; a few under duress.
  - c. Five are convinced Communists who can never be reclaimed; five are only slightly indoctrinated and can probably be reclaimed; the remaining ten are somewhere in between, and their future is uncertain.
  - d. In all cases the lack of stabilizing ties -- such as family, religion, or social groups -- seemed to be a factor.
  - e. The entire group was carefully selected by the Communists in order to include various social, religious, racial, economic, and geographic representation.
  - f. There is evidence of possible treasonable activity by some of the 20 individuals involved. (G-Z, Army, will take appropriate action in this connection.)
  - g. There is no means of determining the adverse mental effects of indoctrination, if any.
  - h. The best remedy would seem to be restoration to group life, particularly home and family.



- a. In the future, water transportation rather than airplanes be used for the return of repatriated POWs, and that the ships be provided with adequate screening and observation facilities.
- b. There be no segregation of any groups in the future, and all screening be done as part of the normal processing of repatriated POWs.
- c. Repatriates should be returned to normal American life at the soonest possible moment after their return to military control.
- d. Future repatriation programs be conducted by a central operational group.
- e. Legislation be sought to make all repatriates subject to Military Law one year after the date of their release from military control.
- 4. Of these five recommendations, the Army concurred in the first three, but non-concurred in the last two for the following reasons:
  - a. The present departmental organization is adequate to conduct future repatriation programs.
  - b. Under the present Code of Military Justice, the recommerded legislation is unnecessary.

Chief, Planning and Program
Goordination Staff



#### AGENDA - Project MEETING 18 June 1953

- 1. Introduction Operations Representative.
- 2. Security Representative Report current status

  Comman plastic tube project being handled by

  private commercial commany.
- 3. Security Representative Report on muchrooms.
  - 4. Detroit project still a security problem. New York and Indiana possibilities being studied.
  - 5. Contact clearances, key specialists underway all aspects of Project
  - 6. Report of interrogations at Valley Forge of returnees, received with little or no information of Project value.
  - 7. Technical.
  - 8. Intelligence.
  - 9. Medical Division comments.
  - 10. Director of Security comments.



10 July

Project

the undersigned on extension 3362.

Security Officer

Representatives from security, operations, technical, intelligence, and medical staffs.

فرنوا بالمجاهدة والماء

Remen of ARTICHOKE Conf. school for 16/2) July



For into.

(363)

(pp.1-29)

OUT OF SOVET LARORATORIES -

Brimme



N DECEMBER 26, 1948, Joszef Cardinal Mindszenty, 56, Prince-Primate of Hungary, told the Hungarian people and the world: "I have partaken of no conspiracy whatsoever [against the communist regime]. I shall not resign my episcopal see. I shall not make any confession. If, however, despite this, you shall read that I confessed or that I resigned, and even see it authenticated by my signature thereto, regard that as merely the consequence of human frailty; and in advance I declare such acts null and void."

Less than a half hour later, Cardinal Mindszenty was arrested by the Hungarian communist government.

Milles mai des este au fledere de file descind Milles en este de mille de profit de file de la concione de la companie de file de la companie de la conllier de la companie de file de la conficiencia de la conllier de la constant de la const

Or the first the 'te employed of an gellie in Orthology of the armed one could be at the armed o

On February L. 1919, the monomies "prophets count" automated Continue Ministeries on Min vo. principally in 1935, he and not bell form more later, with hearth where you make only transported." by the softent "hermore of his bed recible republication continue of

But the feet prill but then tell a rough what begins out it for the distribution of th

Alcock to the community consulted course to have been both of the consulted of improper distinct been been builtisted to the Theorems 1 decreases. The distinct of Alice of Alice of Theorems 1 decreases. The distinct of Alice of Theorems 2 decreases are their

Compression and part us a senale few these comments destroyed by the appropriate for the Area of the A



THIRTY-NINE DAYS LATER ON FEBRUARY 9, 1949 CARDINAL MINDSZENTY WAS BROUGHT TO PUBLIC TRIAL. HE WAS ACCUSED BY THE COMMUNIST REGIME OF SPYING, TREASON, BLACK MARKETING AND PLOTTING TO RESTORE THE HAPSBURG MONARCHY TO HUNGARY THRONE.

ON THE FIRST DAY HE CONFESSED I AM GUILTY IN PRINCIPLE
AND IN DETAIL OF MOST OF THE ACCUSATIONS MADE. ON THE
SECOND DAY OF THE TRIAL THE CARDINAL OFFERED TO RESIGN
FROM HIS HOLY OFFICE REPUDIATING HIS COURAGEOUS STATEMENT
OF DECEMBER 26.

ON FEBRUARY 8, 1949 THE COMMUNIST PEOPLE'S COURT

SENTENCED CARDINAL MINDSZENTY TO LIFE IMPRISONMENT.

IN 1955 SIX AND ONE HALF LONG YEARS LATER THE HARSH

DECREE WAS SUDDENLY SUSPENDED BY THE REGIME BECAUSE OF HIS

BAD HEALTH CONDITION AND HIS AGE.

BUT THE FREE WORLD HAS BEEN LEFT TO WONDER WHAT
HAPPENED TO CARDINAL MINDSZENTY IN THE 39 DAYS LEADING
UP TO HIS CONFESSION. WHY DID THIS OUTSTANDING MAN
CONFESS TO ACTS AND BELIEFS WHICH WERE SO COMPLETELY
ALIEN TO HIS LIFE. WHAT HAD HAPPENED TO HIS COURAGE AND
SPIRIT AND CONVICTION. WHAT HAD WROUGHT THE GREAT
TRANSFORMATION IN HIS APPEARANCE SO EVIDENT IN THIS
PHOTOGRAPH TAKEN DURING THE TRIAL.

THE ANSWER LIES IN A NEW TORTURE PERFEDTED BY THE COMMUNIST - A TORTURE THAT ATTACKS NOT ONLY A MAN'S body but also the mind and soul. IT IS CALLED BRAIN WASHING A TERM FIRST USED BY THE CHINESE COMMUNISTS (

BUT A WEAPON DEVELOPED BY THE SOVIET UNION TO CONQUER
THE MINDS OF MEN AS WELL AS THEIR BODIES. UNTIL
RECENTLY THE FREE WORLD KNEW LITTLE ABOUT THE COMMUNIST
TECHNIQUE FOR ENSLAVING MEN'S MINDS. BUT AS KNOWLEDGE
INCREASED MEN RECOGNIZED THAT THE WEAPON IS A GRAVE THREAT
TO THE FREEDOM AND INDEPENDENCE OF ALL PEOPLE EVERYWHERE.

ALREADY IN THE COMMUNIST CONTROLLED COUNTRIES HUNDREDS
OF THOUSANDS OF INNOCENT VICTIMS HAVE BEEN SUBJECTED
TO THE BRAINWASHING PROCESS. AND WHEN COMMUNISH THREATENS
A NEW NATIONS THE SHADOW OF THIS EVIL MENACES NEW MEN.

IF MAN'S MIND AND SPIRIT ARE TO REMAIN FREE, IF HE IS
TO RESIST THIS COMMUNIST TECHNIQUE SUCCESSFULLY HE MUST
UNDERSTAND THE NATURE OF THE THREAT. THIS IS WHAT
BRAINWASHING MEANS THIS IS HOW IT BEGAN THIS IS WHAT IT
HAS DONE.

RAINWASHING the communist technique of psychologically conditioning men's minds started with the ideas and experiments of a brilliant 19th century scientist named Ivan Petrovich Pavlov.

This famous man grew up in Czarist Russia during the years when many Russian people dreamed of political and social reform. Pavlov believed the key to social progress lay in the field of science. He felt that men must first know themselves—understand the forces that make them think and act as they do—before they could hope to live in peace with their fellow men. Only when armed with such self-knowledge would men be able to build a better world in which the rights of all men would be equally honored and protected.

In 1922, with the communists already in power in Russia, Pavlov said: "Only science, exact science about human nature itself, and the most sincere approach to it by the aid of the omnipotent scientific method, will deliver man from his present gloom, and will purge him of his contemporary shame in the sphere of interhuman relations."

The communists who seized power in Russia in 1917 fully appreciated the experimental work underway in Pavlov's laboratories, but for reasons other than those which motivated the humanitarian man of science.

The secret of how a man's mind operates—what makes him think and react as he does to the conditions of every day life—is a priceless potential weapon for good or for evil. Such knowledge in the hands of a physician, a psychologist, or an educator can be used for a good purpose. It can help in the cure of mental illnesses, and in the education of people toward better citizenship. But the same knowledge in the hands of unprincipled men can be distorted and used for inhuman purposes. In the hands of such men, the secret of how a man's mind functions can be used to pervert and destroy his ability to reason—to distinguish between good and bad, truth and lies.

The new Soviet rulers realized very early that the knowledge Pavlov sought for the betterment of mankind could also be a powerful weapon in controlling men's minds. To them, Pavlov's theories and experimental findings offered a scientific method for attacking and destroying mental and spiritual freedom—an individual's last stronghold of resistance to any form of totalitarianism. Using Pavlov's methods, they hoped to mold the Russian citizen into an unthinking, totally subservient "New Soviet Man."

Accordingly, every step possible was taken to encourage the development of his work. Lenin, the new head of state, issued a decree (1921) acknowledging "... the very exceptional scientific services of Academician I. P. Pavlov, which have enormous significance for the workers of the whole world." The decree provided special food rations and the "perpetual use" of an apartment for the scientist; for the furnishing of his "laboratory with the maximum conveniences;" and for immediate establishment of "the most favorable conditions

for safeguarding the scientific work of . . . Paylov and his collaborators."

Despite the unlimited financial and material aid placed at his disposal by Lenin, and later greatly increased by Stalin, Pavlov was openly hostile to the political doctrines of communism. Shortly after the communist coup d'etat in 1917, Pavlov, at great risk to his own personal safety, stated in a public lecture: "If that which the Bolsheviks are doing with Russia is an experiment, for such an experiment I should regret giving even a frog."

In 1923, following a trip abroad, he told his students: "Nowhere are people living under such poor conditions as in the U. S. S. R., and in no country is freedom of thought so restricted as in Russia." In 1924, Pavlov resigned his professorship at the Military-Medical Academy in protest over a communist

edict banning higher education for children of the clergy.

Pavlov was dedicated to the same search for truth that inspires all true scientists. In 1929, when Stalin reorganized the renowned Russian Academy of Science to include men noted for loyalty to the Party rather than for scientific achievement. Pavlov remarked: ". . . If we admit such scientists to our Academy it will not be a scientific institution but God knows what it will be. The Academy has been reorganized by people who do not understand anything about science and do not realize what the Academy should stand for."

One of Paylov's most distinguished pupils, Academician L. A. Orbeli, wrote in 1940 that his great teacher had viewed the communist experiment in Russia with "repeated fits of alarm for the fate of his country, apprehension for the fading role, as it were, of the Russian people, dread of cultural and

political degeneracy, and so on."

One wonders whether Pavlov would not again have "repeated fits of alarm"—not only for his own people, but for every man in every country where communism threatens to seize power—if he could see today how his theories and scientific findings have been twisted and used by the communists to "brainwash" those who stand in their way.



## WHAT PAVLOV BELIEVED

Anyone who has been to the zoo or to a circus or has seen a trained bear or monkey perform in the streets, has seen examples of Pavlov's famous theory of "conditioning" in action.

These captive animals have "learned," or in Pavlovian terms have been "conditioned," to perform certain tricks previously unknown to them in their natural state and surroundings. They do these tricks in anticipation of receiving food. Every time the trained seal balances a ball on the tip of his nose to the satisfaction of his trainer and the audience, he is rewarded with a fish. Thus, the promise of food is used to train or condition the animal to react in the way the trainer desires.

Man's behavior, Pavlov claimed, can be "conditioned" in the same way. The basic forces controlling the actions of men and higher animals like the dog, he said, are hunger, fear, sex, survival (self-defense), and the urge for freedom. These forces can be controlled and manipulated so as to make men and animals behave automatically in ways that are normally alien to them. Such forces are manipulated by changes that are made in a man's or animal's environment—that is, in his living conditions.

Pavlov believed that everything a man or animal does—every thought that he has or movement that he makes—is the result of some part of his environment or surroundings acting upon his brain through his nervous system.

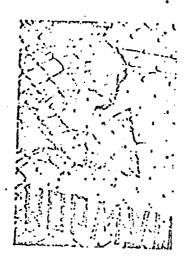
For example, when a man accidentally touches fire or a hot stove (the fire or stove is a part of his environment), he jerks his hand away almost instantly. According to Pavlov, this is because the heat of the fire or stove affects the nerves in his hand, which in turn signal his brain through his central nervous system. His basic impulse toward self-defense is called into play and his brain transmits the impression to motor nerves which jerk the hand away.

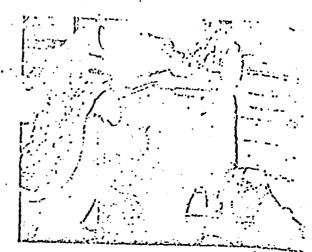
The important thing here, Pavlov said, is that the fire or hot stove—and not the man's brain—determined what his reaction would be. The brain acted only to relay the impression or signal, not to initiate or change it in any way. Pavlov maintained that this is the primary duty of the brain. He denied that man possesses a "free will," or that he is able to make independent decisions or initiate actions on his own.

All the thousands of things in a man's or animal's environment that act upon him to form his behavior, Pavlov called "stimuli." Stimuli that are common to all men, for instance, are: sunshine, wind, rain, snow, food, and other human beings.

Man's behavior or reactions to stimuli (like withdrawing his hand from

All photograph echoning experiments on animals ond human beings are from Soviet sources.





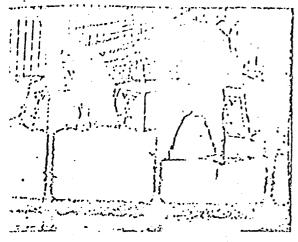
Food is used as bait to train or "condition" the helium of many animals like the scale above. The monkey by has learned to lift the trap door of a box to get less:

the fire or hot stove in the case cited above), Pavlov said, are actions which he "learns" or "forms" from birth on. To these learned reactions or behavior Pavlov gave the name "conditioned reflexes." But, he said, "we recognize them in ourselves and in other people or animals under such names as 'education,' 'habits,' and 'training'. . . ."

An animal, Pavlov said, can come into direct contact with his environment only through his senses of sight, hearing, touch, smell, and taste—and stimuli can only act upon him through these senses. Compared with the thousands of environmental factors that affect man, there are only a limited number and variety of stimuli that act upon animals.

In man's case, just as in the animal's, the real world acts upon him through his senses. But in addition, man possesses a unique and purely human facility through which the real world also reaches him—the facility of speech and words.

This facility of man's. Pavlov claimed, is of the utmost importance. Through the medium of words, pictures, slogans, and symbols, man receives impressions of a real world far greater in extent than any with which he could ever come into direct physical contact. Yet these impressions which are conveyed to him through the medium of speech and words are just as real as though he were experiencing the actual stimuli. Thus, while the dog must actually see, hear, smell, or taste food in order to react to it, man can see the word "food" in print or hear the word or even think about the word himself, and have an immediate reaction in the form of sudden hunger and desire for, or rejection of, the particular food. Words and speech, Pavlov asserted, play a dominant role in conditioning man's behavior.



imal's fear and instinctive urge for survival, like its or food, can be used to "condition" its behavior. The neve) is made to perform tricks by his trainer's whip.



Far from his jungle home, this leopard is being "monditioned" to perform a complicated act. He is learning how to turn the wheel in order to move the banners up and down the pole.

The ideas then that Pavlov advanced are essentially these:

- 1. The basic forces that move men and animals are hunger, fear, sex, survival (self-defense), and the urge for freedom.
- 2. External conditions or "stimuli," acting upon these basic forces through a man's or an animal's nervous system and brain, determine that man's or animal's behavior.
- 3. Man differs from animals in that speech and words also act upon him to determine his behavior. These "symbols" of reality are far more important in determining his behavior than is the real world itself.
- 4. A man's or an animal's "learned" behavior is called in Pavlovian terms "conditioned reflexes."
- s. During their lifetime, animals and especially men form hundreds of such conditioned reflexes.
- 6. By controlling a man's or an animal's environment, one can also control and direct what his resulting behavior will be.
- 7. Neither men nor animals possess any such thing as a "free will" which they can exert to direct and control their behavior in any way.

Many scientists today do not agree with or accept all of Pavlov's ideas of how a man's mind functions and how his behavior is conditioned and controlled by his surroundings. But in the Soviet Union and the communist bloc countries, it is mandatory for scientists to accept these views and to continue Pavlov's line of experimentation.

To the communists, who demand total conformity and subservience from their subjugated peoples, scientific proof that man's behavior can be conditioned and directed along predetermined lines, would be of prime usefulness.

## THE SEARCH FOR TRUTH

Pavlov experimented on the brains of living animals. Never before had a technique been perfected that would permit man to peer inside a living brainand see what was going on, without causing major damage or loss of life to the animal. For this remarkable feat alone, in creating a new method of experimentation, Pavlov has secured for himself a lasting place among the world's great scientists.

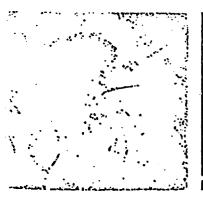
Pavlov called his new technique of investigation the "conditioned reflex" method. If the primary job of the brain is to form mechanical-like conditioned reflexes, he reasoned, why could not man learn what the brain is and how it works by scientifically studying how a conditioned reflex is formed?

For ethical, religious, and political reasons, not all people approve of scientific attempts to probe the brain. This is because the brain is generally considered to be the site of all "psychic activity" in humans and animals—what men of different cultures call the soul, spirit, consciousness, mind, intellect, or thought process.

Paylov vehemently denied that he had any intention of trying to investigate this "psychic activity." The question still remains, however, whether any scientific study of the brain does not necessarily involve prying into these same unknown forces. This is the very aspect of Paylov's work that has been of most interest to the rulers of the Soviet Union in their search for a quick means of creating a regimented human society.

Pavlov began his investigation of how the brain works and how behavior is formed by studying the dog. The dog was especially suited to his purposes because structurally and functionally, it is relatively similar to man. Conceivably, what held true for the dog might also apply to man.

On each dog that he used in his experiments Pavlov first performed a simple surgical operation. The end of the salivary gland duct (through which saliva flows into the mouth to aid in the digestion of food) was cut loose from







its surrounding tissue and brought through a slit in the face to the outside of the dog's cheek. There it was fixed in place and allowed to heal in this position.

Pavlov then put each dog in a sling-type harness on a stand in an otherwise empty, soundproofed cell. A bulblike container (see sequence of official Soviet pictures of dog below), fastened over the end of the duct, had tubes running to a registering apparatus in an adjoining room. This device accurately recorded, the amount of saliva that was secreted by the dog from time to time.

From a peephole in this adjoining room Pavlov and his assistants watched the dog hour after hour, day after day, month after month under varied controlled conditions which they introduced into the dog's cell.

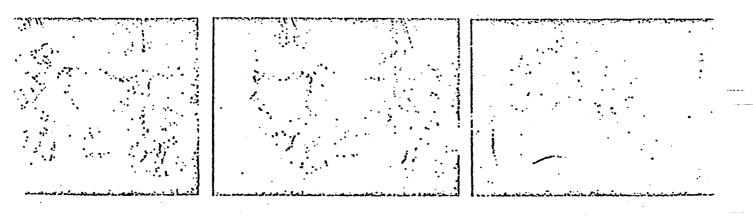
Test after test pointed to the same conclusions:

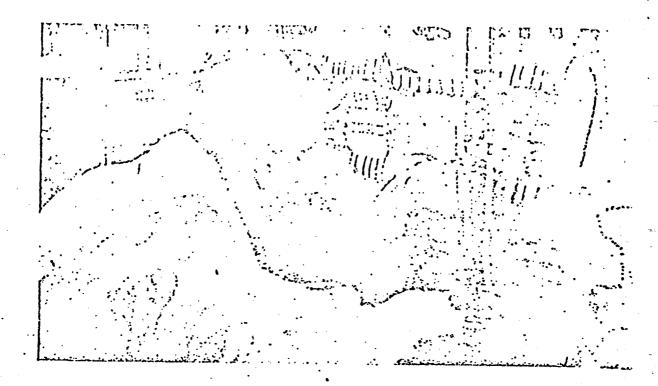
- The dog's mental state and physical behavior were definitely affected by its environment, and
- The dog's mental state and physical behavior could be markedly conditioned and controlled by regulating the factors of its environment.

For example, in one simple test, no one went near a dog in his cell except a man who brought him food at regular intervals. Pavlov and his assistants noted that at each appearance of the man with food, the dog would salivate profusely in anticipation of feeding. After a few days of this procedure, the man failed to appear at the usual time. Nevertheless, the dog began to salivate. He had become "conditioned" to expect food at a definite time!

In a more decisive test (see below actual Soviet pictures of this experiment in progress) a metronome, a ticking device with a swinging pendulum used in music to mark exact time, was placed to the right of a dog. In front of the dog Pavlev placed a box with a hole sufficiently large for the dog to insert its head. For several days, each time food was put into the box for the dog, the metronome was simultaneously set in motion. At the same time the amount of saliva which flowed into the dog's mouth at the sight of the food was carefully measured.

Then one day Paylov set the metronome into motion—but no food was put into the box. The dog became extremely agitated, straining at its harness





and vainly looking for food in the box. A glance at the registering apparatus showed that the dog's mouth was watering as much as it had earlier at the actual sight of food.

Pavlov had proved that by closely associating the sound of the metronome with the sight of food in the beginning, the dog had been slowly "conditioned" to react to the false stimulus of the metronome in the same way it had previously reacted to the real stimulus of the food. The dog could no longer distinguish between reality and illusion! In a manner of speaking, its mind had been altered to make it accept and act positively toward an environmental condition which previously it would have rejected or completely ignored.

In other tests, Pavlov proved that one basic motivating force, like hunger, could be played against another, like the vital force for self-preservation, to "condition" the dog to accept situations that would normally be intolerable.

A dog's normal reaction to a strong electric shock is defensive in nature—it draws away almost automatically from the source of the pain. But in one test, one of Pavlov's assistants fed a dog immediately after each shock application. After several repetitions of this procedure, when the electric shock was applied the dog began to salivate and lick its chops in anticipation of being fed. Only when the shock was so severe as to seriously threaten the dog's very existence, would it draw away.

Soviet scientist peers through a peepole at the harnersed experimental dog
a the adjoining soundproofed cell.
From his control room he carefully obcrees and registers the dog's reactions
o the experimental conditions introused into the cell. With the pushbutfons at his fingertips the scientist can
lectrically shock the dog or stimulate
im with bells, huzzers, blinking lights,
minous dishs, and other devices. The
pparatus on the dog's cheek and the
the leading from it to the control room
curately measure the dog's saliva flow.



None of Pavlov's remarkable findings were lost on Stalin and the men about him. Some two decades later, several incidents in communist countries involving religious leaders, refugee children, and prisoners-of-war were to attract world-wide attention. The basic principles involved in these cases were to bear striking resemblance to the principles Pavlov applied so successfully in conditioning the behavior of dogs.

During his experiments with dogs, Pavlov noticed something that eventually was to bring him to the study of human behavior problems. He observed that each dog adjusted to changes in its living conditions at a different rate of speed and with varying degrees of success. This, Pavlov said, was because dogs possess different types of temperament as do human beings.

Like people everyone has known, some dogs were quickly and easily excited; some were slow and dull; and still others were neither excitable nor dull but exhibited a temperament balanced between the two extremes.

The dogs in this latter group. Paylov found, were better able to withstand the conditioning experiments that he imposed upon them, without becoming distraught and unbalanced, than could either of the two extreme groups. But even they could not resist all pressures. "By applying extremely strong and excessive measures," Paylov said, "it is possible to disturb even the equilibrium of animals belonging to the strong and well-balanced type."

Paylov's observation of temperamental differences in dogs now led him from the study of normal behavior in animals to the problem of abnormal behavior. The line that divides a balanced from an unbalanced personality is a slender one. In several of his laboratory experiments Paylov succeeded in driving dogs over that line when the conditions he forced upon them caused too great a nervous strain.

Paylov first succeeded in changing a normal dog "into a morbid, pathological state" with an experiment which forced the dog to distinguish between a perfectly round disk and an egg-shaped one. Every time a round disk was placed before the dog he was then given food. But when an egg-shaped disk was displayed, the dog was not fed. The dog was soon able to recognize that

the round disk meant he was to be fed.

Now each successive time that the egg-shaped disk was placed before the dog, it was rounded off slightly. Finally its form was almost identical with that of the round disk. As the experiment continued, the dog's problem in distinguishing the true round disk from the other became more and more difficult. And the dog became more and more upset.

Then suddenly the dog seemed to lose all ability to tell one symbol from the other. His whole behavior changed radically. He lost his appetite for food and showed no interest in life. He had become mentally and physically

ill from the great strain put upon his nervous system.

The disturbances he created in dogs. Pavlov found, were usually relatively permanent, affecting an animal for months or even years. In some cases, the mental health of the animal was restored, but only after months of rest and treatment with drugs.

... Pavlov had always placed his hopes for a better world upon the accomplishments of science. As he experimented with dogs having nervous systems or temperaments that were weak and highly sensitive to breakdowns and disorders, he wondered:

· Whether their undesirable traits could be eradicated and replaced with desirable ones, and

· Whether these new traits could be inherited by future generations. Parlor's work now took two directions:

· He began to classify types of temperaments in dogs with the intention of scientifically breeding offspring with stable personalities from selected, dependable parental stock, and

· He concentrated upon the study of disorders in human beings who were in clinics for the mentally ill.

The new turn taken by Pavlov's investigation was of intense interest to

the Soviet rulers. If Paylov could prove that certain "learned" or acquired behavior traits in dogs could be transmitted to their offspring, why then could not the regime instill such habits in the Soviet people that they would bear future generations who from birth would be dedicated to the communist cause?

Every facility, every means of aid to further his work, was pressed upon Pavlov by Stalin. Psychiatric clinics, laboratories, assistants, funds—all-were placed at his disposal in uniimited quantity. Paylov had no reason to question the political motives behind the regime's generosity. He accepted the assistance at face value - as aid which would advance science.

Pavlov became convinced that ". . . the basic principles underlying . . . [brain] activity are the same for both the human being and the higher animals [dogs]. . . ." He saw close connections between the mental disorders he had caused in experimental dogs and the cases of hysteria, obsessions,

and parambia which he observed in mental clinics.

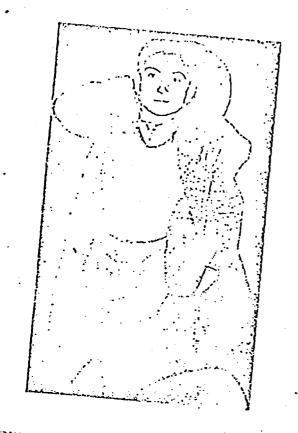
But Paviov approached the study of man with extreme caution. "Obviously," he warned his co-workers, ". . . caution must be used in attempting ... to apply our recently acquired knowledge concerning . . . the dogthe more so, since the incomparably greater development of the [brain] in man is pre-eminently that factor which has raised man to his dominant position in the animal world. It would be the height of presumption to regard these first steps . . . as solving the intricate problems of . . . man, when in fact at the present stage of our work no detailed application of its results to man is yet permissible. . . ." Even so, he had great hopes that the knowledge gained from his experimentation with animals would be of use in the analysis and treatment of mental illness in human patients.

While still on the threshold of this vastly important venture, time ran out for the great experimenter. Only six days before his death in 1936,

Pavlov had enthusiastically told associates:

"Now we can and must go forward. . . . All of you physiologists should be acquainted with genetics in order to create an ideal type of [brain] of the dog-the strong, balanced, alert type-in order that we may use all of the experimental material for the investigation of the human being, striving to perfect the human race of the future."

But unknown to Pavlov, the communist regime had other plans. Once his students had reached a point where they could engage in independent research, they were transferred out of his laboratories and established in others. There, despite Pavlov's previous warnings, they were forced by Soviet leaders to experiment on human beings-but not with the intention of "striving to perfect the human race."





## THE PERVERSION

These are faces of some of the Greek yo their families and homes after six years' cap, of Eastern Europe.

The 1954 returnees were only a small ranging from two-year-olds to teen-agery who munist guerrillas during their unsuccessful a ment in 1948. Forced to march across Gray Yugoslavia, the children were dispersed the into Czechoslovakia, Hungary, Rumania, and and Poland.

Over the years since the revolt was sufamilies have pleaded for the return of the to secure the release of the children have been Cross and the United Nations. But until 1 regarded by the communist bloc countries

Oscar Thorsing of Sweden, chairman of on the Repatriation of Greek Children, rep. November 1952, that "the humanitarian we with their families has met with obstacles which

Why were these young children abdrete land? Why were they held so long in the Why were they suddenly returned years kter?

The answers to these questions have been laboratories of Pavlov, in the Hungarian prission the Chinese communist prisoner-of-war can daily lives of the people of the communist courthe same pattern, the same story of community brainwash"—the minds of men as Pavlor directions.

A broadcast from communist Rumania revealed the communists' purpose in alline broadcast that "the children [kidnapped Georgeoups express their enthusiasm for the wirk are preparing for the struggle and their return

Greek officials are appalled that so many of deliberately and systematically "prepared" for is evidence that many of the repatriates investing the communist way of life and have been examined to the communist party nucleus in Greek.

## N OF SCIENCE

youth who in 1951 were returned to captivity in the communist satellites

all portion of some 28,000 children who were kidnapped by Greek comul revolt against the Greek Govern-Greece into Albania, Bulgaria, and throughout the communist worldand even to distant East Germany

s suppressed, thousands of grieving their children. Repeated attempts seen made by the International Red til late in 1954, all pleas were dis-

reported to the United Nations in work of reuniting Greek children which have proved insurmountable." ucted from their homes and native the communist satellite countries? ater?

been found in many places—in the prison ceil of Cardinal Mindszenty, or camps, and in every facet of the countries. All of these are part of nunism's attempts to "condition"—y did those of animals.

hia in January 1949, unwittingly blueting the children. The radio Lecks] enrolled in communist youth work of the groups and declare they eturn to the liberated motherland." my of the abducted children had been for their return to Greece. There have been thoroughly indoctrinated sen commissioned to serve as a new Greece. These men (after six and





seven years a great many of the youth are in their late teens and early twenties) have been subjected to the most rigorous education and training in communist theory and practice. They have been totally isolated from the moderating influence of any other ideas during youth's most impressionable years. They remember little of democratic ways and processes.

Most of them were housed, fed, and treated, in general, far better than the native satellite children., Much of their training was supervised by fellow Greeks—members of the outlawed Greek Communist Party, who direct subversive activities against the Greek Government from satellite bases.

A 17-year-old Greek girl, forcibly detained for seven years by the communists and only released in April 1955, reported to Greek officials that when Stalin died all the children in her class were lined up and ordered to cry. She also said that their teachers told them not to believe "all that silly stuff about God. There is only one God," the teachers said, "and his name is Lenin; and Stalin was his prophet."

Behind communist efforts to indoctrinate and train a new generation of Greeks in the philosophy of communism are long years of Pavlovian-type experimentation—first upon the peoples of the Soviet Union, and later, upon the once-free peoples of Eastern Europe and China.

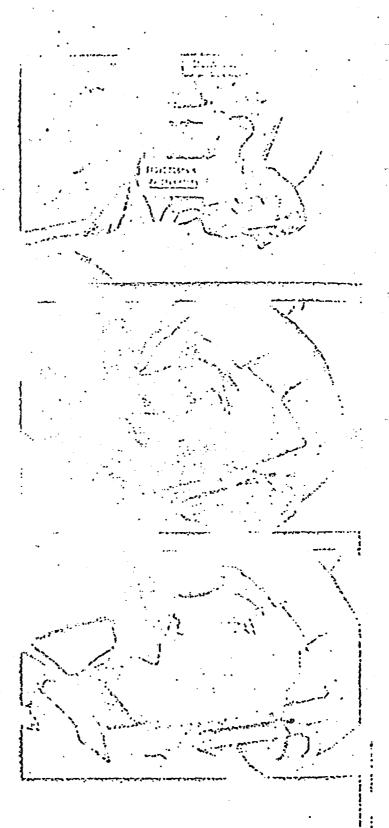
Shortly after the death of Pavlov in 1936, Stalin began exerting increasing pressure upon the men trained in Pavlovian techniques to experiment upon human beings. The scientists protested strongly. They remembered Pavlov's warning against a hasty transfer of preliminary findings about animals to the intricate mechanism that is man.

But Stalin disregarded their protests, and set aside even greater sums for the experimental work of the Paylovian laboratories. According to official Soviet records, in 1936, the year of Paylov's death, Stalin had allocated 1,000,000 rubles for this work. In 1937, the sum was increased to 1,500,000 rubles, and in 1938, the last year in which such statistics were published by the Soviet Government, to 2,400,000 rubles. The same records show that at Koltushy, the "city" of experimental Paylovian laboratories, the number of scientific workers increased from 172 in 1937 to 357 by 1938. The reason for Stalin's action is not hard to find.

The regime had begun to collectivize farms and expand heavy industry at a ruthless tempo in the 1930's. The new Five Year Plan called for long hours of work and sacrifice on the part of the Soviet people; even fewer consumer goods and necessities of life would be available. Every facet of Soviet life became increasingly disciplined; terror and fear were struck into the minds of the people by the mass arrests and purges that Stalin loosed upon the countryside.

This hadden if each archive visits will only be even the colling of each archive visit with and the following visit is a confict the colling visit of the confidence of the property of the confidence of the following the colling visit to be a confidence of the following the colling visit to be a colling visi

n **yl**g syrk 1860's, Senior scharcher Carribra till bebot theether est meeted it egen. Historia boost, make great a general ter મુલ સ્વર્ક્ષાન્ટ માં માં મુક્તિ છે. મુલ્લન છે. મુલ્લાસ સ્ટ્રેલ adiadayan Tarbu kad kirabiga bin kin dagk Talige Thomas quartally included all they be out and here in their entities to the entry that A define levertheir bord manife wind have many been if hear's behaves our 12 jugs के की दिसंबर् किलों किलों का हो। बार्क कार्य की देखें के dust. The expension many of the superone. Partir had and to set the days the ne dibid Lois aboth which Genterae : L de de refere en 1 grand lan. La la habit departemente : Lat. Lanca 2017. wish a agged Madell to t believ sing agst naghesta is lowered to but enough Standin entime gelegel in Albertander Me So the remainimality was after to board an rant usual agan the Locar diseast that neglecki d weighters in semilerings bis જ મહારાતી હતી પૂર્વ જ



But fear, terror, purges, and stern discipline were not enough for the Kremlin ruler. Stalin knew that unless he could remake man's spiritual beinghis mind - there would always be hatred and resistance to communist rule.

The needs of world communism called for the immediate creation of a "New Soviet Man" -- a man embodying only communist ideas, motives,

character, and sense of duty.

Stalin visualized such a man rising behind the harnessed animals in the Paylovian laboratories. If an animal could be "conditioned" to act in a certain predetermined way merely by controlling his environment, the Soviet dictator reasoned, why then could not the Soviet citizen be "conditioned" to behave in any manner the state desired, merely by controlling what he could see, hear, and do?

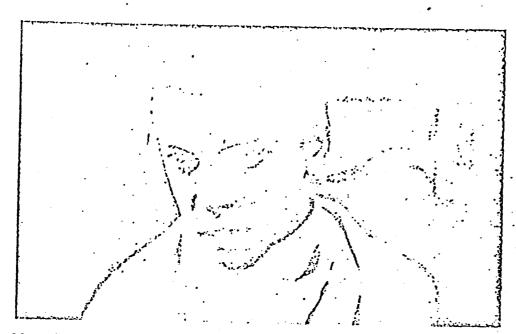
'If it was true that an animal was a helpless pawn in the hands of the experimenter, with no "free will" of its own, as Pavlov's experiments seemed to indicate, could not a race of men be created who would move like puppets at the bidding of the hands that manipulated them?

To Stalin and his cohorts, Pavlov's experimentation proved such a thing was possible. His findings, they believed, established that man was devoid of . soul and spirit, with a mental mechanism triggered by his baser nature. Just as seals can be made to perform in the circus by rewarding them with food, so men, these communists believed, could be made to do what was required of them for the promise of food. And in the same manner their other basic instincts--fear, sex, survival, and the urge for freedom-could be so played upon and regulated as to leave them at the complete mercy of the state.

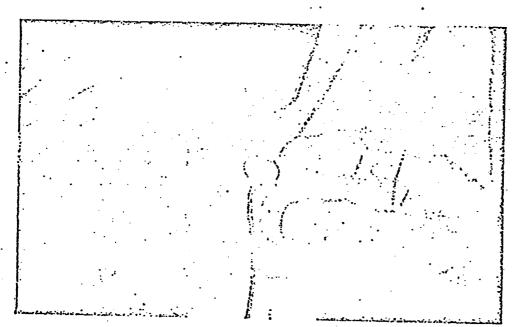
Little is known in the free world today about the exact nature of the scientific research being performed on human beings in the Soviet Union and the "people's democracies," for such information is a closely guarded secret behind the Iron Curtain. Only rarely is the barrier inadvertently dropped to let the free world have a look. What people do see and hear, fills them with foreboding for man's future.

Such a rare opportunity came in 1950 when the Communist Party of the U. S. S. R. called a conference of Soviet scientists. At this meeting scientists working in every field of study were severely upbraided by Stalin's spokesmen for neglecting to incorporate Paylov's theories and findings in their work.

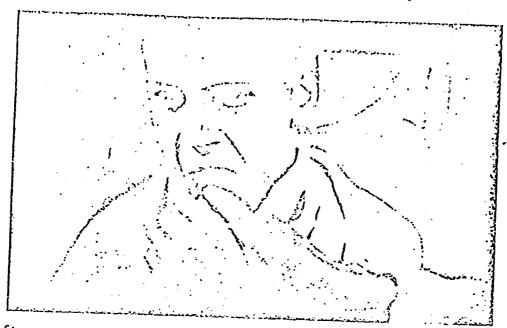
They were told by Prarda, the official Communist Party newspaper: "The Soviet people are building a communist society based on scientific principles. The building of communism means not only the creation of the necessary material and technological base but also the reconstruction of all aspects of human life." Pavlov's findings, Pravda continued, have "tremendous significance . . . for our people, for the workers of the entire world."



Man, the communists say, is only a machine . . . and like machines . . .



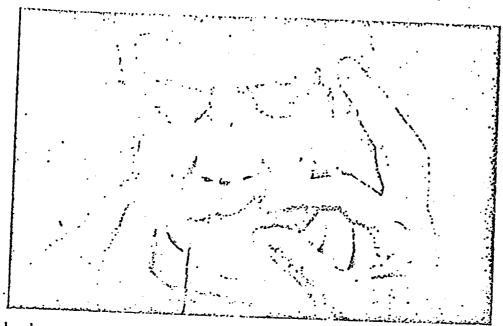
easily manipulated and controlled. Here a Soviet experimenter . . .



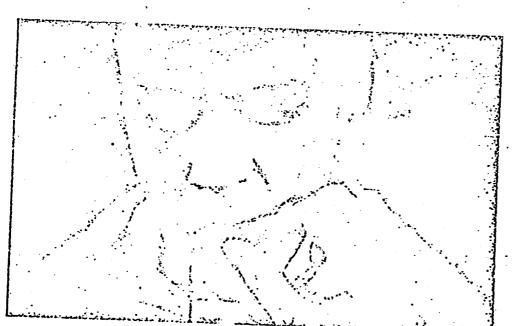
fits an apparatus, for measuring saliva flow, into the mouth of . . .



a human guinea pig. This young boy's normal behavior . . .



has been so affected by the experimental conditions imposed . . .



that he now automatically accepts and cats a distasteful pill . . .



in preserence to good food. Success with tests such as this . . .



led the Soviet regime to undertake creation of the "New Soviet Man."

At this conference, the accentists were particularly criticized by the regime for overlooking the vital role that words and speech play in conditioning man's behavior. They were told to incorporate Paylov's teachings into the fields of "practical medicine, pedagogy, physical education, psychology, psychiatry" and related fields. Significantly, all of these fields are concerned with the formation, training, and treating of man's mind and body.

At the same time that most Soviet scientists were being chastised, the regime singled out two for high praise. These men, the Communist Party reported, had achieved considerable success in conditioning children's behavior in experiments they had conducted on orphans and mentally retarded children.

While an intensified search continues in the Soviet Union for a scientific way of creating a new race of "Socialist Men," the communist rulers have mobilized every possible instrument of public persuasion—the schools, press, radio, television, cinema, the theater, arts—to retrain and condition the minds of the present generation. They have accepted as fact Pavlov's theory that for man, words and speech take the place of the real world about him and in this way play a dominant role in forming his behavior.

The conditions for the communists' undertaking are ideal. The people behind the Iron Curtain are a vast captive audience, shut off almost completely from any source of information not controlled by communism. Through constant repetition of the same ideas on every page of every newspaper and book, over every radio, in every classroom, on every cinema screen, the communists hope to indoctrinate the people so thoroughly that eventually they will accept everything the regime says as being the truth.

Orodai Nercles, a magazine for kindergarten teachers in communist Hungary, explains the role of the school in these words: "The Soviet school cannot be satisfied to rear merely educated persons. Basing itself on the facts and deductions of progressive science, it should instill the ideology of communism in the minds of the young generation, shape a Marxist-Leninist world outlook and inculcate the spirit of Soviet patriotism and Bolshevik ideas in them. . . .

"According to Paylov's doctrine a child's every step must be watched. We must strive to build up reflexes and impressions in children which will form the basis for positive characteristics. . . . By systematically exposing children to certain stimuli, certain changes can be brought about in their nervous systems and these changes may be directed toward the desired goals."

How this works in the communist classroom is revealed by an excerpt from Zemlya Russkaya, a book published for students' use by the Young Communist League: "Stalin! Always we hear in our souls his dear name. And here, in the Kremlin, his presence touches us at every step. We walk on stones which he may have trod. . . . Let us fall on our knees and kiss those holy footsteps."

The task of the school in the communist countries, like every other medium of communication, is to destroy all conventional ties and memories. The fulsome praise of Stalin was an attempt to transfer a child's normal affections for home and family to the Soviet dictator and the state.

How effective have the communists been in their effort to use Pavlov's theories to remake men's minds?

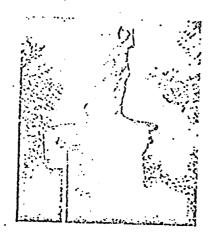
The record is both frightening and reassuring.

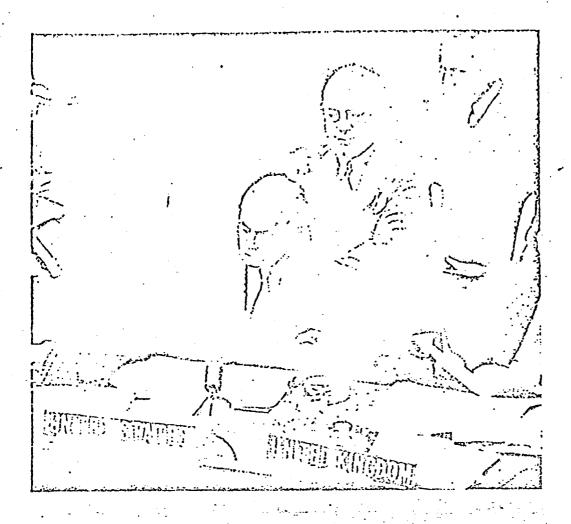
Wherever the communists have been able to isolate a man from all contact with the outside free world, wherever they have coupled physical brutality with overwhelming psychological pressure, they have had some success in changing—"brainwashing"—a man's mind. Whenever the fear, the inhuman treatment, the humiliation, the thirst and hunger have become overwhelming, the communists have captured another victim.

Not all men will succumb to the same pressures—nor with the same facility. Moreover, only a few of those who are broken remain indoctrinated communists if they escape to the free world.

And there are many signs that the people of the communist world are resisting the "conditioning" experts in every way possible. Thousands of Soviet soldiers defected to the Nazi armies during World War II. The communist press continually complains about work stoppages, shortcomings in the work of the collective farms, and sabotage in the factories. There is a steady stream of refugees who risk certain death escaping to the free world.

Today, Stalin's successors are intensifying their efforts to perfect techniques for the enslavement of men's minds. But, unlike the dogs in Pavlov's laboratories, man possesses a powerful weapon to resist their experiments—his unconquerable spirit—The struggle is not easy but it is being won.

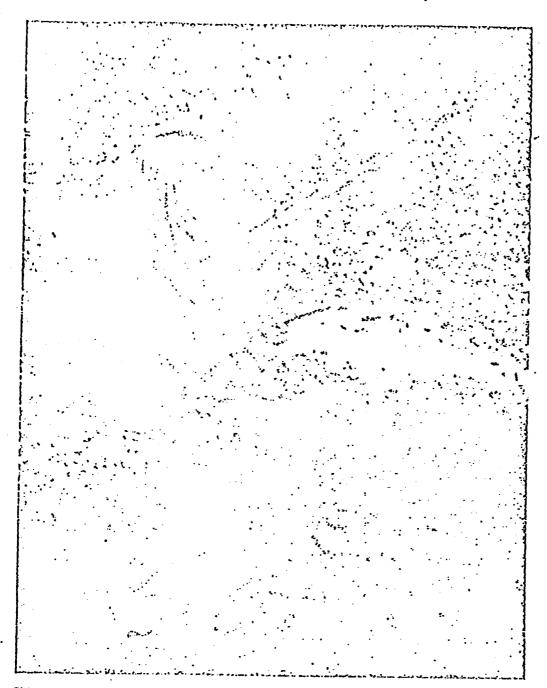




An idea of what it is like to be an experimental animal in communist hands was disclosed in a documented report given to the United Nations General Assembly in October 1953, by the world-famous American scientist, Dr. Charles W. Mayo.

Dr. Mayo revealed how American soldiers, serving with the United Nations Command and captured during the Korean War by Chinese and North Korean communist forces, were forced to confess to all manner of "crimes." This is what he said:

. "It is not a pretty story that confronts us. It is a story of terrible physical and moral degradation. It concerns men shaken loose from their foundations



Chinese communists perfected Soviet techniques of physical and mental torture to "brainwash" UN POWs. To gain a "confession," this communist has forced a POW to dig and lie in his own grave.

of moral value men beaten down by the conditioning which the science of Paylov reserves for dogs and rats—all in a vicious attempt to make them accomplices to a frightful lie.

"In an even deeper seme, the class we have to tell reflects a communist system which deliberately thans every principle of morality and truth, devoting itself to one sole object, the progress of communism by any effective means,

no matter how evil.

"... At the outset we should notice that the cortures used in these cases, aithough they include many brutal physical injuries, are not like the medieval tortures or the rack and the thumbserew. They are subtler, more prolonged, and intended to be inc. a terrible in their effect. They are calculated to disintegrate the mind of an intelligent victim, to distort his sense of values, to a point where he will not simply cry cut I did it! but will become a seemingly willing accomplice to the complete destruction of his intercity and the production of an elaborate fiction.

"The testimony in our hands, from American prisoners, reveals the use of a detailed method designed to mold prisoners into the desired condition where they can be exploited to the maximum. It is a method obviously calculated by the communists to bring a man to the point where a dry crust of bread or a few hours' uninterrupted sleep is a great event in his life. All the prisoners victimized were subjected to the same pattern of intimidation, deprivation of basic physical needs, isolation, and physical and mental torture. The techniques varied only in detail, except that the extent of their use depended on the degree of resistance shown by the individual prisoners. The total picture presented is one of human beings reduced to a status lower than that of animals; filthy, full of lice, festered wounds full of maggotz; their sickness regulated to a point just short of death; unshaven, without haircute or baths for as much as a year; men in rags, exposed to the elements; fed with carefully measured minimum quantities and lowest quality of food and unsanitary water, served often in rusty cans; isolated, faced with squads of trained interrogators, bullied incessantly, deprived of sleep and browbeaten into mental anguish.

"Imagine a human being in this condition. It is a tragic picture but it is true, and supported by hundreds of eyewitness reports. Many other individuals died in this process and cannot add to the testimony. We must remember that all this was not done as mere senseless brutality; it was done for one single purpose; to make free men serve communist ambitions.

"All this testimony on communist methods of extorting 'confessions' in Korea suggests a frightening pattern.

"It suggests that the communists were deliberately perverting to their

ends essentially the same technique which the famous Soviet biologist Pavlov used in his experiments on dogs and rats. This technique, as you all know, is called the 'conditioned reflex'. When a rat goes through the wrong door, he gets an electric shock. When he goes through the right door, he gets a bit of cheese. Before long, you can dispense with the shock and the cheese, because the rat has been conditioned to enter the door you want him to enter. The Soviet regime has used this same technique against its own people in efforts to dislodge them from their traditional reverence for the Almighty and from their aspirations toward freedom; and to force them willy-nilly into the communist slave pattern.

"This is the very technique which the communists appear to have used on their intended 'germ warfare' victims. Resistance was punished with kicks and slaps in the face, with worsened living conditions, with food rations lowered still further, with threats of death. This tightened grip was sometimes relaxed briefly when the unyielding victim seemed in danger of dying. Signs of cooperation, on the other hand, were rewarded with slight increases in rations, with promises of better treatment soon. No wonder that some of our prisoners, miserably weakened with weeks and months of mistreatment, were brought down to that animal level of response where resistance was associated with death, where yielding was associated with survival, and where survival on any terms seemed more important than the moral principles that distinguish men from beasts. If anything is surprising to me, it is that so many of our soldiers—both those who confessed and those who did not—although for months they were treated like animals or worse, somehow continued throughout to act like men.

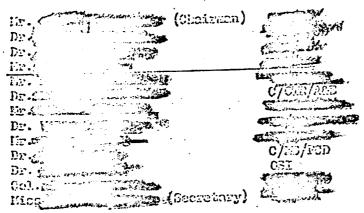
"Consider the evidence on those who did not yield. A prisoner whom the communists assume is already acting like an animal is offered in sharp terms a purely animal stimulus; food or death. The obvious animal response is expected. Yet in one case, a man was sentenced to death 12 times, and he refused to yield. Another man was made to dig his own grave, was taken before a firing squad, heard the command to fire, and heard the pistols click on empty chambers; and he refused to yield.

"Such testimony as this seems to teach us that the spirit of man can run deeper than the reflexes of Pavlov. . . ."

(364)

Hambes of the ( Line Working Committee Meeting, held 12 April 1935, at 1800 hours.

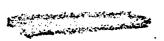
Mandenero procent noro:



The opened the meeting by reading points from the original content of the project.

It was reported that since the last meeting, attempts had been made to contact members of the Monking Committee individually to discuss aspects of the program of special interest. However, changes in the Committee membership had occurred and some present medeal orientation.

projects. These included the final report on the Brainwaching Study new in press and the atualy on Chinece behavior patterns which has completed collection of data. It was indicated that the latter project would be completed by 1 July 1956.



the Chinese project was revocably received by his Division.

Hr. Compared that revocably received by his Division.

Or a later date.

the condition of the condition of the land of the land

that employed interest in this area emisted in the Agency, but that the interest was greater than the actual operational resident. An objective have will be to extend to essent is a systematic paper bringing together various views and was. Dr. The inquired as to the end how such that was involved in the study of hypnosis. It was indicated that two small projects were now engeling and that a third project was in the proposal stage. Dr. The indicated that the studies were necessary indicated that the studies were necessary indicated that the studies were necessary indicated that his office had kept on top of the subject for many years.

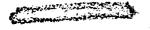
Dr. indicated that September to Agual was too long a time between escapes and that in owher to evaluate the notivity more contact was necessary. It. I indicated that he would work as alonely as possible with Dr. indicated that it was the

Lamen and the second

(364)

intention to see if there could be nore frequent weetings with Merking Committee members. It was indicated that it was believed the entire Working Committee should meet at least twice a year, but that there should be more frequent contacts with individual members.

Lypnosis was discussed again and Dr. Compressed that the present phase was correlating hypnotic phonomia with physicalogical and blocksmical processes. Dr. Commissionical again there was no solid ejaratheral requirement for work on hypnosis. the entire indicated that there was work going on at the present tim to find concealed techniques for the induction of hypnesis, particularly by using the polygraph. He indicated that they had not received the point there they had execusive information, but as seen as available they would give information about it. To indicated that in his opinion, their work was somethet erule, but that the results were encouraging. Dr. . Indicated that there was considerable interest in hypersic and reported on some Conciden strictles. He also 01 coursed the importance of studying mosa bypnesis. In. Commission indicated that there were plans to get better information from the field of enthropology, which was believed to have some of the best information on the things Dr. ( tree discussing. However, we have no systematic work in this even now. Dr. ( indicated that he felt studies in this area were very pertinent, pertiquierly in conditioning agento for field assignments.



Using with the of the physhochemicals was imported. It was indicated that the enjoy emphasis at the process time is on studying reactions of individuals to druge rather than the drug itself. Work is continuing on trying to learn more about how to manage, emphasis, and utilize reactions for purposes pertinent to the Agency.

The Indianot Assessment Program was reported as a mur cetivity. It was pointed out that a joint working committee, mode up of representatives of the Office of Training, All, and हिँदी, had been complituded and una meeting approximately every two weeks. At the gresent time a study will be undertaken to attempt to Cinterer thether's person's recetions under alochel later that it was up were trying to access. It . . inclented that this was one of the things us vere trying to find out. Draging indicated that he end his colleagues were interested in this subject and Dr. Common and Dr. indicated that as com es to had a specific proposal we would come to him for espictance. Dr. indicated that there was employable concern access operational people on this subject. In stated that to very locking for the best way to nount experimental work in this area. It was indicated that we were going to try a systematic appressed to see whether judgment ande from photon, behavior at eachieal rarties, and so forth, could contribute emything to acciet operating case officers in their operations. Dr. Tindicated that a possible valuable conclusion would be that come of those tidings would be better ignored.

THE PERSON NAMED AND POST OF THE PERSON NAMED

The expective project in this even is the content Project which was reported in previous meetings. This is a study to extempt to get granded information from individuals which they ordinarily refuse to reveal. It was indicated that this program was getting along fairly well and that we were in about the middle of it.

Dr. The wanted to know what was meent by "the middle of it.".

Dr. The indicated that the experimental design had been completed. Twenty-eight individuals had been systematically stadied by perticipating psychiatrists and a cories of structured quentions relating to each individual had been completed. Some of the council interviewing had begun. However, no gradininary

br. Cherter, proposeds hed been unde to original results foundation.

findings have been reported.

co closely connected with University that it is difficult to use it for centracting for enternal research in other research committee. Therefore, it was being proposed that the Scalety be completely separated from University, a full-time research director of the Scalety hired university, a full-time research touch with the research committy and mount projects of interest as requirements developed.

(364)

mounting certain projects in which he was interested and that he would be interested in using such a group. Ir. wanted to know whether Security aspects of this new setup had been properly evaluated. Dr. wanted to know what type of person was being considered as full-time director. Fr. indicated that he had several types in mind and that this could be discussed later with Dr. if he was interested. Dr. pointed out that he was not a condidate for the position but that he would welcome an experimently to talk about what was being planned.

With the conclusion of the brainvashing study, essentially the sear group working on this problem may begin work on a study of the dynamics of defection and treason. A specific proposal in this erea is now in our hands and will probably be implemented in the next year.

There are no plans for further studies on fereign behavior such as the Chinese project. However, the Chinese study is looked upon as a pilot study in this area and should the need arise further subject studies may be mounted.

The next area discussed was that of operational assistance. It was reported that two field triels using psychochemicals as an adjunct to interregation had been tried, that it was planned to continue to give this assistance wherever indicated and possible.

-6-

from the etemopoint of being able to take a measure of where we are end where we are going. Drawmanted to know if the edulativation of drugs had been handled by recognized redical men. Dr. 1 indicated that this was impossible under the circumstances. Fudical specialists were consulted but M.D.'s did not actively participate in the interrogations. Dr. Cum stated that we should consider the danger involved in not using H.D.'s and that even in certain foreign ereas, H.D.'s can be provided to work with those projects, that we must be proposed to assemt for unfortunate resetions. The emphasized strengly that this should be taken into concern and that it had been taken into account.

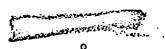
pilot program. It was indicated that the Chinase study as a pilot program. It was indicated that the Chinase study had been a worthwhile study, but that nothing from this study indicated going systematically from culture to culture with similar studies. Further studies in this area will have to be nowned on the basis of specific operational requirements levied against our group.

The representatives from other offices were acked to report on enything of significence. It. Proported that there had been no ARMOHORE cases and mentioned again the disgulated hymnesis study. Dr. Proported that they had been asked to produce on a crash basis a decruent of hymnesching, which he

The manufacture of the particular and the

(364)

understands has received vide circulation. The document was proposed from work reported by Jand Off. They had tried to make it interesting and recabble. He unforsteed that there had been some lack of coordination in the final issuence of the desument and they hoped there had been no enterpresent coused by this. Es indicated that they had bad a week to propose the decument and had been given to understand that coordination was being taken care of by commone clas. Dr. principal that he had no specific report to make, that there had been regular porticipation then expertunity had been effected, that he worked with Security on AFRICACIE when it came up. Dr. The indicated that he had no report to make other than that he was working with Er. on the bypnesic study. Er. emphasised that the Warrant Horking Committee, to be effective, had to work both ways; that us were reporting what we were doing and that for us to be effective, we escaled to know a good deal about that others in the area toro doing also. The Norling Committee is an edvisory group and we are willing to expece our work for cerutiny. We are inviting people to come to and to look us over and us would like to see now of that others are doing. Dr. indicated that many of the things his colleagues were doing were comen practice. To suggested that repy of the things the Program was studying were things that his colleagues very already cours of and have used in their professional practice for years. Dr. Indicated that they wanted to get



(364)

all they could from the Committee. Dr. Dr. Stated that the Committee has a valuable place as an advisory committee. He wanted it understood that he was not complaining but that he believed more good could be accomplished by getting advice before a project was scented rather than afterwards.

In the chance of any advice to the contrary, the maning of this machine is an attempt at accordinating all interested activities pertinent to the chancestine services, that this median had been an attempt to implement this coordination idea and that through meeting together and having this type of discussion, a better understanding of the meeting concept could be evolved.

-9-

31 12y 1975.

estrotycheste for tecom

Exception : Projehoebenieil Agents

1. The remains of 31 May 1936 I was called to the office of the special algebra. It was convertables on the subject of psychochanical algebra. Its remains attracting the accuraty accepts of the problem recommend the most of the 68 metrics for information on psychochemicals in relaxion to challed various and vithin the limits given in my removement of 17 May 1935.

2. I we respected to talk with Dr. Chief Medical Education, and then with Dr. The Art future requirements were to be edge recalled this Dr. Theory, be errorably action through regular channels or as a joint 199-164 requirement.

h. Letter the core reseated, Dr. Entered to on the

COI/ASD/SIL-C.

Webribullion:

Coig and L - Foreign Coies, 1900

A. Chiroly MI-Co.

2 - 115/6/02 0

A. Cher, i a

3 - (J #1).

- James Park	101.07 m	6.6	THA WAY	V		365	
and the second		i	× ′ × × ×		* ₹50,000	310d50 SE	•
		×		CIA			
	••	Lucy Low.		•	<sup>3</sup> 150,000	Current	
×	×						
		0%0		?			
							-
				• • • • • • • • • • • • • • • • • • • •			
				:			
	×		•				

TS - 36734 - Special distangular Copies - 15th 4Gp-51.

Copy 3 of 3 Common from 15/51 plan

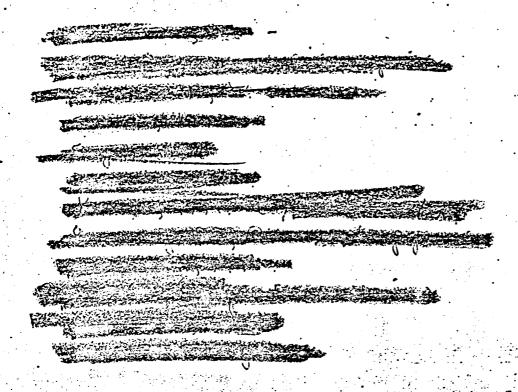
Pages!

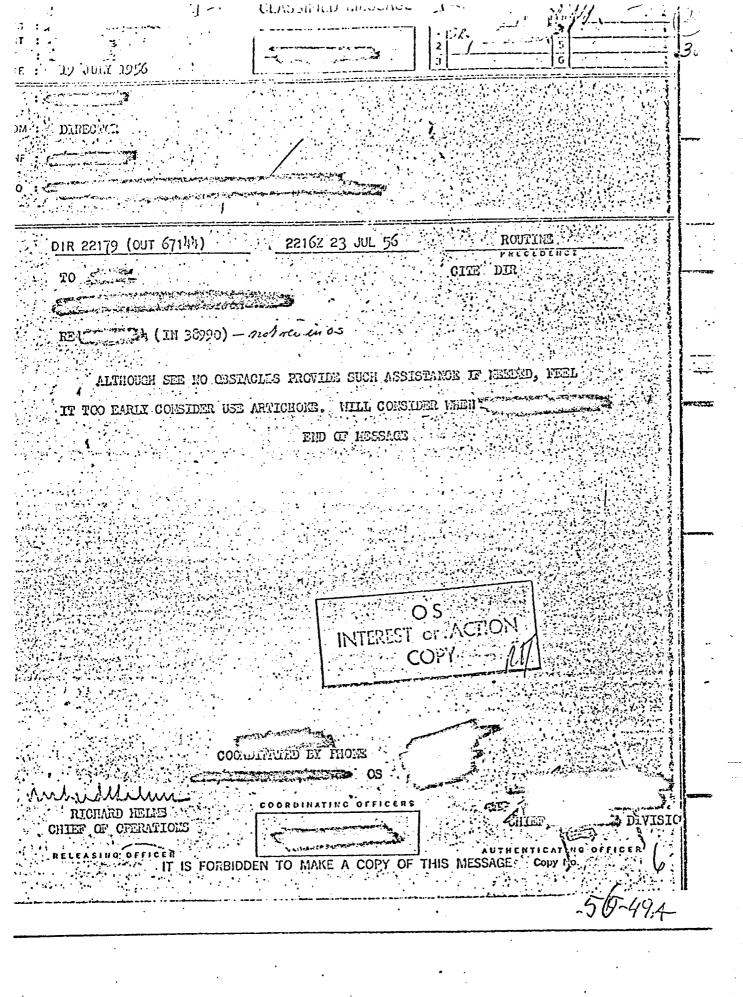
allahand to he seems to he Dt.1/3 110-51 75 - 36710 - Special talingtonto wall 6.17 1-1-3 alian 75' de comentes Line Sien pulled out of this filler and forward to 175 Cantra Con Chistraction

				367
and the same of th		tion	Doc	2.0
	Dinelnie	Bearing.	Vis Chall	manification
Thermos fusition	Performance In a Po	a proportion of the	Contained of 111:22	"Home is the in water.
	Clamp of sig	To Fall engons	Timirijam	acted for
at an institution	8.5	*	PC?	
เล็กระบังแม้เด็ก	We are reason	6.1900) ens (1902)	Tes syforumeed	Mar. Brown Langest.
	Greenman meterei			مناعد المدروم مع
	end it times.	-	frite botter.	
Theirnsain	My for Conot.	Michael Continuent	Likes Gardina	o stago taidista.
			1	
Druce	thereorines.	Torborgizorod.	Tellie extlements	Torrespond
		Substitution of the substi	***	
DaJair.	Projection.	Donlards.	dimpril.	Improb.
			Tallowing as a second of the s	
Thereis Office	The European	Comprison .	ampasie	drafaret.
			1	
			Ficquoia(i)	South Turne entry
		?	PC?	
			Pre-wait	Friedrich

365

Biographie Rejector thomas of the following relevo. To and dimilar marnes.





Office Monday hours our trop states of the names

DAME A LIVERY A.

The same to the same of the sa

early opport production to dysom, of

over the The of Coline Of Savench made and For Ci/S Sontact

12. 12.3 5.70 - Jan 14.55 13.55

1. 4 4 4

- 1. In connection with IAC 5359, we have been advised by the Older, CO that CO/O dere with IAC 5359, we have been advised by the Older, CO that CO/O dere willing to undertake an investigation of introcephine.
- 2. The source, .r. The first incumbent Professor of Psychiatry and Neurole py and Chairman of the Department at its well qualified in persuing this inquiry on the critecount drep on the central nervous system.
- 3. Following texicity studies on mankeys, Dr. palens to evaluate the drag on convicts incarcurated at the formal State Positionary located at factor, approximately 125 riles from the interior of the believes the study, which would entail the parenase of the behinds and care and his transportation, could be accomplished for a maximum of 1500.00.

h. In that financial registance for this project could be of considerable value in the accept of potential psychogenic drugs, it is recommended that Dr. The advanced 500.00 to gover required expenses.

501.1201

367

And the second assessment with the second

148 5359 1 30 July 1956

1:5

Schizophe aid Agent

Care lin.

"seteround:

Bulbocapaine, the alkaloids of Datelson's breeches (Corydelis cava) has received attention in verious condition, including massis. The rost obvious effect recorded as a result of fairly large doses, was catalonia or atmost resulter doses cause exclusion resulting in the official line. The conditions of the Gentral Berrons System and the combrel cortex. Dr. The had offered to test the substance on man, but unfortunately died before he could complete his studies. Enclosed is a copy of a preliminary report from Dr. The large and a copy of the translation of a recent Bussian publication.

# Requirements:

We desire to have certain naycho-charical proporties tested on ron, using the bulbocapaine which we were fortunate to obtain from the sample being enclosed herewith. Here bulbocapaine is available, if needed.

Among the queries we should like to include the following:

Loss of speech, if any, in man, indicated in one case by Dr.

Loss of sensitivity to pain, if any.

loss of morey (observed in a single case by br. aller).

Loss of will power, if any.

Increase in toxicity in persons with a week type Central Hervous System. (see Page 21, No. 6, of Russian manuscript)

Effects on man, compared to effects on animals as recorded in conclusions. (see pages 20 and 21 of Russian manuscript)

January 1957 K/SI Er. (Dr. des) The second second

Shief, Collection Staff, . I

This requirement pertains to Mational Priority Objective MG-D-5 (\*\* 11 A.1.) and

ASSISTED THE OF ATTACHED MATERIAL SHOULD BE FER LED THE BALL MATERIAL

ACTION SHEET

368

	Mark Signal	10 \$
A CONTRACT MEDITINE	2.0	
Prierral Research Project		DAILD Language of the state of the
chief, Administration Branch	•	TO

Invertigation and Report on Bulbocapaine

DEADLINE DATE FOLLOW-UP DATE

DIVISION ROUTING

:0 -	DATE	ACTION REQUIRED	FINIT.	
:.Ch/Acrin.	1.2.		11.1	Approved
: Executive .	"/17/56	Review	سي.	DAO/
1. 000/p	13:11		10/40	∳ેંદ <del>'tir</del> /,
:.D/SI	147)81	Approval	30	time
· . Budget Officer		Reproduction		This i
	,			articl

COMMENTS\*
Approved in principle 5 November 1955

DAD/P. 3 so put politice.

The the love of the Sound

the shape of least

This is pow of our support to articleoker of Recommend it to order of

Reconnent approved ni provinje, nowbrofted.

19710 ::TINAS: Under each comment a line should in from across sheet and each comment numbered with the number in the "10" Column.

 If comments bear a higher classification than the attached material, the security classification of this wheet be changed.

THE RUL TO 3 THEPLACES FORM 30-19, WHICH MAY BE USED UNTIL SUPPLY IS EXHAUSTED)

56-6.01

11: November 1956

ID/I-181-5/

MICHALIM ICA: Doputy Director, Intelligence

SUBJECT: Invost

Invostigation and Report on Eulbocapning

#### 1. PROBLEM

To provide funds for an external research project for an investigation and a report on Bulbocapaine for the Redicine Division, Office of Scientific Intelligence.

## 2. DISCUSSION

Second Priority Objectives of the Intelligence Advisory Committee D-50/8, dated 27 December 1955, states that particular emphsois will be placed on research and development which are most likely to lead to important technological advances. Falling within this category is the investigation and study of the drug, bulbocapping, on which research is undergay in the USSR. In order to fulfill this requirement, the assistance of an outstanding specialist is mandatory.

Dr. (incumbent Professor of Psychiatry and Neurology and Chairmen of the Department at \university College of Fedicine, \university is well qualified to undertake this assignment.

Dr. \is to perform toxicity studies on morkeys. He will also evaluate the drug on convicts incorporated at the State Peritentiary located at \_\_\_\_\_\_ approximately 125 miles from \_\_\_\_\_\_ \ Upon the completion of these tests Dr. \_\_\_\_\_\_ Hill prepare a report which will answer the following questions. Does this drug causes

- (e) Loss of speech in men
- (b) Loss of sensitivity to pain
- (c) Loss of memory
- (d) loss of will power
- (8) Increase in toxicity in persons with a week type of central nerveus system

PRINCIPLE TO THE

45.176

(2) CONTRACTOR OF THE STATE OF

## SECULIAT

The first alian to the order of the December of the accepting Lo unaliand.

Alian of a continuous will be a first, therefore, a magnifix places

and through the water and their expressed for the Continuous.

#### نام حدد المالية الأملية : الم

inia project will be discourse the date Dr. Heath signs his contract and will terminate 31 Farch 1957. The investigation and results of all tests should be submitted in Iona of a written report on or reserve that date.

#### Elizable

The will to paid (200 men the emeution of his contract.

There funds are not the pairing purpose of purchasing the takeney feed for the emissis, travel, and my other missulfunctus items of expense in commercian with the properation of there tests.

Upon the anticleotory completion and submission of the report a sea of \$250 will be paid to be.

## 6. COORDINATION

This project project has been coordinated with Dr.

A Program Coordination Livicion, Hedical Staff, DD/S, the
is responsible for coordination with the Military corriess.

It has also been reviewed by Mr.

Assistant
to DD/I (Planning) the is acting for Mr.

The indicated that no further coordination was required.

#### Y. ACTION RECERMINED

A that the especializar of SECO Greek CV transmisered fands de stablementaries for Second and the second second described allows. Trads are stable within the SCLOT operation, building and second sec

Office Memorandum · United States Government

TO : AD/SI

DATE: 17 November 1956

PROM : AD/RR

subject: Staff Memorandum & Hember of 6:10

Pete:

I believe your Office will have interest in this Staff memorandum and also suggest that people on the other side of the house would also like to see it.

I will call and advise him that this Staff Memorandum will be brought to the attention of appropriate officers in the Agency.

Attachment:

. TS 71019

Memo to AD/ER from attached URU-S-075

with

(370)

There's are

adid algorial built behalf and an amount of the di-

Control for the transfer

The second of the second

1. Attached are all explain of the contrast for in. Contrast Contrast with the could be forwarded to his theorem your divise. to the contrast of the contrast

- 2. Defers fr. Commenters there exples the following should be brought to be a strenties:
  - (a) Ir. The should obtain legal newless before experimenting with the drug on convicus incorression at the Colorest State finitentiary. This is a promotionary measure to cover fr. The in care of any reporcussions.
  - (b) The report which is to prepare for the . Ledicine Division, frientific Intelligence, should ensure the fellowing quantiens. They this dray course

less of speech in han

lors of schrittivity to pein

Loss of noncry

Frank and Burner of the State of the

loss of will power

Twice in lockety in percent with a week type of central nervous materi

Tirefr on tra, control to effects on antidis to apported in conclusions of reports of Postal piudica.

3. Localized in the class of the contrast contrast is not positived to a some of a second value of the contrast in third. It should be explicitly that a representation in the Contrast (0/3 office and should be said available to bin any time upon reducet.

i sett paragalisti teliji sarafSX 56-614

Lancour victor to come

27 1101 1259

Corico of the Crief of Research and Development Department of the Army Beshington 25, D. C.

Your letter of 9 Novembe 16 to Er. 1, togethe with a stail paper, has been west to this Office as being within our field of interest.

He found the staff paper to be of considerable interest to us and would appreciate receiving from the produced on this curiect.

Since oly yours,

Office of Setraits: . Etalligenes

0:16: 41 F.1. 1 - ASD/SI

1 - 151/31 2 - 10/SI 2 - 10/SI

T - DAD/C/SI

bar 1956)

Sein Rotin I hilasophical Sebrany n.y. 1956 158 40 Dr. n. y 16 h.),

# Office Memorandum . united states government

70 : Chief, Alministrative Drangh, CSI

DATE: 14 December 1956

rnom : Chiar, Contrat Division, 00

373

singuer: USI Contract for Dr.

. - 00/C Case

: Nemo dated 27 November 1956 from Chief, Administrative Branch, OSI

1. The OO/C field representative in contact with Dr.
Les requested that the hallowing changes le male in the CSI
contract for Dr. bulbocapnine experiments:

#### a: Paragraph 1 to read

"Compensation. In full consideration for the submission of said report, you will be paid \$500 to defray the cost of the experiments to be performed by you in order to obtain naterial for the said report. Two hundred dollars will be paid you upon your acceptance of this contract, and upon the satisfactory completion and submission of said report you will receive a final \$300 payment."

## b. Paragraph 2 to be deleted.

- 2. Our field representative notes that there is no reason for Dr. \ \to report these funds as personal income, since the \$500 is to be expended by \ \University through Dr \ \\_\ \solely for the purchase, care and feeding of monkeys, and for travel expenses to and from \ \State Penitentiary.
- 3. It has also been recommended by our field representative that the initial \$200 be paid to Dr. | when he himself accepts the contract rather than when the special contracting officer executes it, since this execution apparently can be made only after Dr. | acceptance.
  - 4. CSI comment on these points will be appreciated.

4:67:56-64

1/amb

ranka gila dagi darka ili protessori, ili bili sirinti,

in the first transport of a time of English trays are soon

to the following the second of the second basiness expenses incurred by him in property of the second end of the incurrence of the second end of the second

As a start that to be the recent to method the central could be re-written as an activation of the property of the activation of the activation of the second of the activation of the activation of the second of the report. As this full amount would be completely the partial activation, as a second not have to report in on his Federal innoine the return. The method is not recommended because it ties us in writing to closely with the return experimentation to be done by Dr. As the method, the contract of his performing experiments on human beings, the contract would be an it is an activate a second partial transfer and property.

(374)

The second secon

If departers would sinclude to know where the University fits in the second of a continue director.

It was our understanding that the office, is also twould not even be amore. The reasons from the CO writer a director series again of a ray which is a continuently is to play in this arrangeration. We would like it clarified so as to know how to proceed with any necessary revision of the contract her suse of participation therein.

# jar Alino, androd ; upored stales governiss.

o Chief, for a fiveren

Tinth Parametery L.

WHE I CAST, THE CITES

a tajati: Cana

- Contract with la . To . To . To . To . To . To . .

- 1. Attraction the original and three copies of subject contract forwarded to as with Masaguanters nanorundum of 6 Masaguant 1,00. ... of this late was obanged to 30 June 1957 as per telecon of 16 January 1997. Dr. Tilles latticed the chapter of signed all four counterparts today, and they were vitnessed and also initially by the counterparts of this office.
- 2. When we approached by the on the contract, his reactions were approximately the same as the objections we raised in This County 2700, principally become all purchase orders for experimental animals, etc., are leaved by the other which also sears transportation and other expenses instituted to visits to the which also sears transportations and other continues. Or, which is a cult time a player of improvementary. To the east of our improvement, it is a cult time a player of improvement that a come discussion, it was finally decided that Dr. The would report the 1500.00 can his lyly indeed that return allows as a forested for 5 to 0.00 W.S. Coverement for manager purposes, and he will in turn same a parameter of making of it is the court of the final transport of the first transport of the court of the court purposes, and he will in turn same a parameter of making of it is the court of the
- 3. This raises a problem if the perchase orders, transportation and other expenses are all to be borne by Companyal industrial as the project cannot be completed vitaous all funds available, and the contract as writt a stry lates that \$300.00 of the \$500.00 are pupille upon satisfactory couplation and straighter of the report. Despite this, and to have time, Dr. 1777 went on and signed the contract, figuring that this could be iround out while the experiments are in projects. Formerore, when the attracted contract is consisted, please area it mainlied so that \$200.00 can be paid fortheits to craft to get the project when vay, and the remaining \$300.00 efter the project is used way but to use the \$100.00 are commuted in expenses.
- A. Paramoph two of the communities informed because the other preparty of because involved are the south placement of problem with the excess that the paramophisms of the excess of problems does not want to take the communities.
- 5. British has a form of release which he gots his team volum servets, and which has in all probability term approved by attermore for Pulsant Land.

no I kiese with him the estimate of a solution of the second seco

(375)

21 January 197

i. For Pr. Commission of incommentation, Pr. Comme of the West Williams in Comments to the readily Co-Mable from any good drug stone, Comments on Large benjied, and containly from march & Co., Inc., Tablery, New Jersey.

We Want you will be had been been to

Acta theats

And the second second

Chief, Overt Support Branch, Collection Staff, CSI 10

DATE 24 January 1957

Thom: Chief, Contact Division, 00

SUBJECT: 00/C Case Contract for Driver of Contract for Driver

telecon, 1/18/57

1. The enclosed copy of a memorandum from the OC/C Office outlines, in Paragraph 3, a financial payment problem on which an CSI decision is required.

- 2. Also enclosed is the original contract, signed, and three signed copies of the contract. OSI approval of the contract is required. After approval, one copy should be returned to 00/C for forwarding to
- 3. We note, for your information, that hr will handle this case for CO/C Scientific Branch, effective this date.

Enclosures - as indicated

46523

ED

(377)

Agency Service Section ( )

Chief, Administration Prench/SI

Authorization for handling reinbursement.

(378)

1 February 1957

A STANLEY HOLDS

Chier, Administration Bradia, CEI

Revision of Contract - Ir.

- 1. Attached is the revision of the contract for la.
- 2. You will note that the verding has been changed so that In the receive the receiving (300 due him upon the missiusion of a cabinistary progress report rather than at the completion of the contract.
- 3. Also attached is a disch in the encent of 5200 which should be given to by the catter he signs the revised contract.

Dr.

The United States Covernment, as represented by the Central Intelligence Agency, hereby contracts with you for the submission of a medical report, the subject matter of which has or will be made known to you, under the following terms and conditions:

- 1. Compensation. In full consideration for the submission of said report, you will be paid a \$550 fee. Two hundred dollars (\$200) of said fee will be paid you upon the execution of this contract by the Contracting Officer. Upon the satisfactory completion and submission of said report you will receive a \$500 payment. No Federal income tax will be wanheld from this fee, but it will be your responsibility to report such income under emisting Federal income tax laws and regulations. The Central Intelligence Agency stands ready to assist you as to the method to be followed in reporting this fee on your Federal income tax return in order to preserve security.
- 2. Execution of Documents. If, in the performance of services under this contract, you assume the custody of Government funds or take title of record to property of any nature whatsoever and wherever situate, which property has in fact been purchased with monies of the U.S. Government, you hereby recognize and acknowledge the existence of a trust relationship, either express or constructive, and you agree to execute whatever documents may be required by CIA to evidence this relationship.
- 3. Status. You are not an employee of the United States Government under this agreement and are not entitled to any benefits normally incident to an employee status.
- 4. Secrecy. You will be required to keep forever secret this contract and all information which you may obtain by reason hereof (unless released in writing by CIA from such obligation), with full knowledge that violation of such secrecy may subject you to criminal prosecution under the Espicange Laws, dated 25 June 1948, as amended, and other applicable laws and regulations.
- 5. Instructions. Instructions received by you from CIA in briding, training or otherwise are a part of this contract and are incorporated horein, provided that such instructions are not inconsistent with the terms nereof.
- 6. Unauthorized Commitments. No promises or commitments periniting to realts, private of or century other in a those erares: a timulated in willing in all agreement or may amendment mereto shall be alleding of the Government.

(380.)

Date: 18 76- 1457

Dr.

Dear

Reference is made to your contract with the United States Covernment. as represented by the Central intelligence Agency, effective 21 January 1927.

Effective 21 January 1957, shid contract is amended by deleting the third sentence of paragraph one (1) entitled "Compensation" which reads:

"Upon the satisfactory completion and submission of said report you will receive a \$300 payment."

and substituting in lieu thereof the following sentence:

"Upon the submission of a satisfactory progress report, you will receive the remainder of said fee."

All other terms and conditions of the contract, as amended, remain in full force and effect.

You will please indicate your approval by signing in the space provided below.

CENTRAL INTELLIGENCE AGENCY

BY Special Contracting Officer

ACCEPTED:

WITNESS

Dr.

Dear Dr.

The United States Government, as represented by the Central Intelligence Agency, hereby contracts with you for the submission of a medical report, the subject matter of which has dr will be made known to you, under the following terms and conditions:

- 1. Compensation. In full consideration for the submission of said report, you will be paid a \$500 fee. Two hundred dollars (\$200) of said fee will be paid you upon the execution of this contract by the Contracting Officer. Upon the satisfactory completion and submission of said report you will receive a \$300 payment. No recerct income tax will be withheld from this fee, but it will be your responsibility to report such income under existing rederal income tax laws and regulations. The Central Intelligence Agency stands ready to assist you as to the method to be followed in reporting this fee on your Federal income tax return in order to preserve security.
- 2. Execution of Documents. If, in the performance of services under this contract, you resume the custody of Government funds or take title of record to property of any nature whatsoever and wherever situate, which property has in fact been purchased with monies of the U.S. Government, you hereby recognize and acknowledge the existence of a trust relationship, either express or constructive, and you agree to execute whatever documents may be required by CIA to evidence this relationship.
- 3. Status. You are not an employee of the United States Government under this agreement and are not entitled to any benefits normally incident to an employee status.
- 4. Secrecy. You will be required to keep forever secret this contract end all information which you may obtain by reason hereof (unless released in writing by CIA from such obligation), with full knowledge that violation of such secrecy may subject you to criminal prosecution under the Espianage Laws, dated 25 June 1948, as amended, and other applicable laws and requirements.
- 5. Instructions. Instructions received by you from CIA in brief at training or otherwise are a part of this contract and are incorporated herein, a provided that such instructions are not inconsistent with the terms nerect.
- 6. Unauthorized Commitments. No promises or commitments pertaining to visite, printinged or burefits other than these emiracily and the in writing in this agreement or may amundment thereto be all be builted as the Covernment.

381

	UNC SSIFIED CONFIDENTIAL TO ACREE										
	CENTRAL INTELLIGENCE AGENCY										
	OFFICIAL ROUTING SLIP										
	то	NAMEAN	INITIALS DATE								
		TO NAME AND ADDRESS									
		1/31				1					
	2	ilmin.Dr./STrues					`				
	3			•	•						
	5										
	6			**************************************		·					
- 1		ROITZA		DIRECT REPLY		PREPARE	PERLY				
ı		APPROVAL		DISPATCH	RECOMMENSATION						
1		COMMENT		FILE .		RETURN	-				
ı		CONCURRENCE				es l					
- [				{e sort?							
•	Ren	iarks: j Ro: D	cs-j	5379 (Jaselle		ا لتنا أ	Dualtelity				
1	by :	Cr !	Toba	mary 1957.							
I		Return	ea s	ire or. Comments	<b>. 33</b>	deted :	<b>್ಕ್ರಾ</b> ಕ್ಟ್				
1		°tha (200.00 a	hool	i; original i	<u>mi</u>	three	ecyiles				
1		the revision s					i; and				
-	sig	med copy of th	0.03	riginal contr	rect mag	•	76 g 10 g-4.				
Ì	For info to Dr. Care - ve are										
	adviced that Dr. will begin his emperiments										
	on monkeys in the near future and, if results are										
	favorable, he will begin his human emeriments										
1	as soon as it may be practicable to do so. Dr.										
-	LE COMPANY OF AOM LEGITICATION OF										
1		. •		•			I				
		•	-			472	24				
1		FOLD H	ERE	TO RETURN TO	SEN	DEK	:				
	CO/D - Delenging Trench & Color Address and Phone No. Date										
1											

YEARCHMOUN FOR: Aucistant Disactor/SI

15.50

: Calai, Intelligence Production Staff

SUBJECT

: Status Report - Enternal Research Project

REPERENCE

1 R SI 50-172

1. In compliance with referenced regulation, the semi numeal status report ///, or the final status report ////, Investigation and Report on Dulbocapaine, ED/I-181-57

- 2. The Report mendiened above should follow the outline below:
- a. Relationship of project to the CSI Production Program

b. Statement of the boxefite which have accrued from the project. Date completed if this is firel. report.

c. Date completed if this is final report. Otherwise extinated date of project desplation and recommendation for contract extension if applicable.

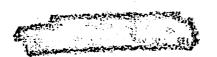
Project Officer

Distribution: Original and 1 Addresses

1 IPS

1 Ch/Adm Div/Staff

Division/Stail Union



32 0127 2557

: MILOSEDUS FUR FD/011/Agreet Cosvice Rection

INJURI

Office of Security

THOUGH

Mvision .

HOIGH

: Office of General Councel

SULUE

: 1957 Income Emt - Dr.

propromon

: Your suro, Sme Subject, Coted 18 July 1997

A review of the records of this Office indicate that Driver was accordated with this Agency in an evert expectly immunch as his contrast was issued by the Contrast Intelligence Agency. There is no eljection to having the subject indicate the United States Government as his exployer for the period covered by his contrast.

FOR THE ASSISTANT DIRECTOR, SCIENTIFIC EXTELLIGINGE:

Security officer, of

Distribution:

Orig & 1 - Addressee

1 - 00

A for

1 -70/00

1 - Budget/SI -

1 - SO/SI

CDI:CDM:hw/4593 (31 Jul 57)

384

. 29 August 1957

MEMORANDUM FOR: Chief, OSI/Medical

\_ATTENTION ---

\_\_> Subject

- : Symposium on "Chemical Concepts of Psychosis"
- 1. Attached are copies of the author's summaries of the talks to be given at the above symposium as received from our contact.
- 2. When further material becomes available from this source we will forward copies to you.

Acting Chief YChemical Division

Distribution:
Orig & 1 - Addresse w/encl

attached to this mine wine sure for formation of the source of the sourc

· tiplinia

Ossice 1,1em. andum · United .TL. GOVERNMENT

TO : Chief/Sics ..

FROM : CONTRACTOR

DATE: 14 October 195

385

subject: Artichoke Materials and Apparatus -- Transfer of

Authorization is requested for transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and apparatus held by the writer to transfer of Artichoke materials and the professional opinion and the professional opinion.

In view of present working agreements between SRS/05 and the Medical Division, requirements for any future Artichoke cases can be obtained through Dr. as required, hence storage of materials and apparatus in SRS is unnecessary and hazardous.

Attached is an itemized list of Artichoke materials and apparatus now held by the writer.

Of to Transfer.

Mary and the second

17 Gd 1957

Serotonin Creatinine Sulfato - Códe No. 87900 Lot. No. 5148 - 1 Bot.

ISD-25, Sandoz Chem. Works - 11 Boxes, 6 amouls ca.

Sodium Pentothal - Yellow unlabeled - 21 vials

Sodium Amytal - White unlabeled - 37 vials

Amytal Sodium, ampuls in original package, Lily No. 388, 8271-513946 37 ampuls Penthothal Sodium, Abbott, List No. 3158, 0.5 Gm. 12 vials

Serpasil, Ciba, 0.25 mg. 25 tablets

Thorazine, Smith, Kline & French Research Labs, Code: CS 4949 RSO #30275, 10 Gran Dial with Urethane, Ciba, 131702, 2 cc. size, 2 Boxes, 5 ampuls ea.

Chloral Hydrate, 88-070, 8.3'50 30 Grams

Amytal Sodium, Lily No. 222 9264-512967, 150 capsules

Dial (diallylbarbituric) Ciba 100 tablets

U-4905 (2854-RHJ-19) Upjohn Co. Research Labs, 1 vial - 133.7 mg.

Coramine, Ciba, 61636, 25 ampuls, 1.5 cc size

Caffeine and Sodium Benzoate, Sharpe and Dohme, 4 ampuls 0.5 gm. ea.

Desoxyn Hydrochloride, Abbott, List No. 3378, 4 ampuls 20 mg. ea.

Benzedrine Sulfate, Smith, Kline and French. 51 Boxes - 6 20-mg. ampuls ea.

Phenobarbital, Premo Pharmaceutical Labs, 100 Tablets (approx.) 0.0324 gm. ea.

Morphine Sulfate, soluble hypodermic, 1/8 gr., 20 ampuls

Scopolamine hydrobromide, hypodermic, 1/100 gr., 20 ampuls

- 1/8 oz. of what is presumed to be Mariahuana extract.
- 1 Hypodermic Syringe 1/10 cc B D Luer-lok
- 3 10 cc Ideal Lock Hypodermic Syringes

13 November 1957

MEMORANDUM FOR: Director, Office of Security

Attention: SRS - Mr. 4823

THROUGH:

Deputy Director (Plans)

SUBJECT:

Request for Project alias

1. Subject, alias E defected to CIA in the in the confessed to being a KGB, who served in Comments until his defection as an Acopy of his biography is attached. Subject has been under interrogation by CIA personnel in a CIA saichouse Audio surveillance and Subject's own demands for money indicate that he has valuable information, such as in the U5A and abroad, that he is withholding. Although various methods of inducing Subject to give his information voluntarily have been tried. and are being tried and although normal interrogation techniques are continuing, it appears that use of special interrogation techniques will be required in the near future at the CIA safehouse that is guarded by personnel of the Office of Security.

2. Subject appears to be physically fit. His consumption of alcoholic beverages, which was high, has been cut down considerably under the guidance of an Agency physician. At the time of his defection Subject had hallucinations and gave other indications of severe emotional distrubance.

Funder handling suggested by the physician these have ceased and have not reoccurred.

3. It is requested that necessary planning and coordination be initiated by your office with a view to utilization of Project interrogation methods on Subject during the week-end of 22-24 November 1957.

Agency Official

Attachment

APPROVED: Subject to the understanding and proviso that the actual employment (utilization) of this technique

DD/P

will not be undertaken without the specific prior approval of Director of Security, and Agency Medical Officer who will consider

a. The question whether
this particular technique is
better and more desirable than
some other technique eg Substar
and b. A weighing of the consequences and repercussions in
the event of a violent adverse
reaction on the part of subject.



# Office Memo. ndum · united st. les governmen

ro : Chicf,

DATE 3 December 19

38/

PROM 1

subject: ARTICHOKE Request

Apparently on 2 December 1957 or in the last days of November 1957, a cable came from to was a was a

been held under intensive interrogation since January 1957 in the structed. Interrogation to date has been friendly. Some time ago, DCI instructed to hold at least four more months, reasons unknown. Because the interrogation is unsuccessful, although at one time Subject confessed the interrogation is unsuccessful, although at one time Subject confessed being a Soviet Agent which he later denied, was requesting that up-1" be used in this case to be administered by one Edward.

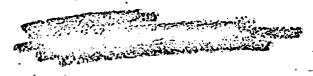
The case officer, the whole day of 2 December trying to find what P-l was, spant practically the whole day of 2 December trying to find out what this was all about, and ultimately reached Dr. After saw the cable, he called the writer.

procedure and requested to (a) to find out who is and (b) why procedure and requested to (a) to find out who is and (b) why P-1 was considered to be useful in such a case.

Was also warned that this situation was hazardous. About thirty minutes after the warned that this situation was hazardous. About thirty minutes after the warned that this situation was hazardous. Dr. and the writer had out that was a sinformed to be writer and stated that writer had guessed this previously and so informed the writer and stated the writer had guessed this previously and so informed the writer had the writer had guessed this previously and so informed the writer had the writer had guessed this previously and so informed the writer had the writer had guessed this previously and so informed the writer had guessed this previously and so informed the writer had guessed the writer had guessed this previously and so informed the writer had guessed the writer had guessed this previously and so informed the writer had guessed the writer had

At the present, the case has been stopped pending additional informat

You will be kept informed of all activity in this matter.



w gen

IG Dubject

TG 75-3228

2 0 OCT 1975

MEMORANDUM FOR: Director of Central Intelligence

- FROM

: Inspector General

SUBJECT

: Destruction of Records on Drugs and Toxins

# Action Requested:

1. None. This memorandum is for your information.

#### Background:

2. At your request, we looked into the destruction of Agency records related to drugs and toxins. We limited our investigation to avoid interfering with other ongoing investigations of this matter, including that of the FBI. We held discussions with several people in the DD/S&T, Records Center, and Archives and reviewed a number of OTS files. Our findings and conclusions follow.

# Summary Conclusions:

- 3. MKULTRA Records: This was an umbrella project for funding sensitive TSD activities including research into methods for controlling human behavior:
  - -- No drug-related MKULTRA files were turned up during our investigation.
  - -- A number of documents concerning the destruction of MKULTRA drug records are attached at Tab A. In general, they show that the records were destroyed on the instruction of Dr. Sidney Gottlieb, then Chief, TSD, on 31 January 1973. Both Branch files and records retrieved from Archives were destroyed.
  - -- Tab A also contains statements by Messrs. lof OTS. These statements indicate that the destruction of MKULTRA drug files was ordered by Mr. Helms.

- -- Tab B contains a 2 February 1973 MOR by
  former chief of Archives and Records Center. The
  destruction notices attached to
  /MOR show that
  the records bearing Job No. 68-746 (MKULTRA) and Job No. 68-256
  (other files possibly dealing with drugs as well as with BW/CW
  detection) were destroyed on 30 January 1973 rather than the
  more commonly accepted 31 January 1973 date mentioned in most
  of the Tab A documents.
- -- We identified three MKULTRA files which, it turned out, deal with aspects of the project. According to Dr. Sayre Stevens, no files related to those aspects of MKULTRA have been destroyed.
- -- However, some MKULTRA material is mentioned on a list of items retired to Archives by OTS on 11 March 1974. There is no record of destruction of this material, but a careful search has failed to turn it up. The box containing this material was recalled from Archives by OTS on 8 January 1975 and returned to Archives sometime thereafter, probably within thirty days. OTS advises that the MKULTRA crypt in this instance was not related to drug activity but to

The fact remains, however, that the material is missing with no satisfactory explanation.

- -- We reviewed an Archives file containing the minutes of the CIA Research Board from 1953-1962. The minutes mention several briefings of the Board by Dr. Gottlieb and others on at least some aspects of the drug and toxin programs. Copies of these documents are attached at Tab C.
- 4. MKNAOMI Records: This was a TSD project at Camp Detrick which maintained an R&D competence to provide a minimal support capability in defensive and offensive BN/CW:
  - -- There are two existing MKNAOMI files. These files contain CIA documents covering the period 5 May 1952 to 18 February 1970 and reports originated at Camp Detrick during the period 1960. to 1969.
  - -- These files do not present a detailed account of MKNAOMI activity over the years. From his investigation of the project, Dr. Stevens has concluded that gaps in the files are the result of a conscious policy on the part of those involved to keep very little paper on the project from its inception in 1952 to its demise in 1970. People formerly connected with the project interviewed by Dr. Stevens asserted that the practice of keeping little or no record of the activity was standard MKNAOMI procedure.

- -- Dr. Stevens also learned that the Army has no records on MKNAOMI or on the Special Operations Division, Fort Detrick. He surmises these records were destroyed when the BW/CW materials were destroyed at the President's order.
- -- There is one final consideration connected with the possible destruction of records related to MKNAOMI. Approximately one safe drawer full of Dr. Gottlieb's personal files were destroyed by his secretary at his order in June 1973, shortly before Dr. Gottlieb's retirement. The secretary was new to OTS at the time and had been working for Dr. Gottlieb for only six weeks. She knew little about OTS activities, crypts, or projects. She remembers destroying some technical journals, papers written by Dr. Gottlieb, some files dealing with sensitive personnel matters, and some SECRET SENSITIVE papers about which she recalls nothing. Given the sensitivity of MKNAOMI, some MKNAOMI papers could have been included among those destroyed in June 1973. However, we have no evidence this was the case.
- -- In general, we concur in Dr. Stevens' belief that no papers were removed from the two extant MKNAOMI files. MKNAOMI records-keeping procedures appear to account at least partially for the lack of a continuous detailed record of MKNAOMI activity over the years. Some papers relating to MKNAOMI may have been destroyed in June 1973 or at some other time, but this cannot be demonstrated with the information now available to us.
- 5. | J and Other Drug Related Material: | I involved CIA contractors testing drugs on human volunteers:
  - -- On 24 June 1975, on Mr. Duckett's orders,

    of his office examined OTS holdings at Records Center in search of material which might have some bearing on the drug related investigation. Six boxes of material of possible interest were returned to the Office of the DD/S&T for review. Subsequently, they were returned to Records Center. Later these were recalled by OTS with an additional four boxes of files from Records Center.

OTS/RMO, reviewed the ten boxes of OTS files recalled from Records Center. In addition to the material described above, these boxes contain a considerable amount of material dealing with animal screening tests of various compounds, but they contain no material dealing with tests involving humans or identified as connected with Project MKULTRA. Memorandum covering his review is attached at Tab E.

-- Three boxes of OTS material formerly stored in Records Center were destroyed by OTS in January 1973 at the time of the destruction of MKULTRA records. Tab B comments on the destruction of this material.) Some of the records in these three boxes dealt with environmental sampling for BW and CW manufacturing activity

 At least one file listed as "Project ARTICHOKE - 1951-1954" must have dealt with drugconnected activities. OTS has attempted to identify the activities covered by the balance of the missing material with little success to date. A 10 October 1975 memorandum describing the OTS efforts in this connection is attached at Tab F.

- .-- On 3 October 1975, the Director of Medical Services forwarded to us copies of unaddressed, undated, and unsigned documents dealing with LSD-25 (See Tab G). These documents were unearthed by OMS from the Archives files of its Operations Division. They were found in a folder labeled "TSD File, 1956-1960."
- 6. We believe it likely that a thorough search of Agency records -particularly DDO operational records -- would continue to produce additional pieces of the drug activity puzzle. We believe it unlikely that such a search would produce any major intact repository of information on this subject. Recognizing that such a search would heavily burden people already overtaxed with investigative activities, we are inclined to doubt that the return would justify the investment.

Dord Jehand Donald F. Chamberlain

Inspector General

REPORT OF TRIP, 6-11 April 1955, to:

The second secon

Marting to the property of a second state of

A STATE OF THE PROPERTY OF THE

between 6 April and 11 April 1955, the writer visited certain cleared centects at the (7 and 8 April ); talked to (9 April); talked to (9 April); talked to (10 April ); and talked to (11 April ). Details follow:

On the afternoon and in the evening of 6 April, the writer and Funder, to Contact-Office, Land and the personalities scheduled for conferences the following day. the writer left. I fin a conjugate car about 8:00 AM, 7 April and arrived at [ 75-miles southeast ) at approximately 9:15 AM. Shortly after arrival, conferences began. At the first conference, in addition to maintage no deal to and the writer, there were present Writting the Chief, Civilian Administrator Chief-of-the following Following pre-erranged plane, the uniter after giving the land in security briefings, outlined in general terms the ARTICHONE work and matters of related interest. This conference Lasted approximately two hours. After lunch, the same briefing was re--American Chief-of-Anesthesiology and France Chief-of-Paychistry, present. This conference, including general questions, lested about three hours. Leter that afternion at the here-of-De-Taran, Dr. Dr. Transfer of and the writer continued the discussions for several additional hours.

over the physical layout of the military and the new Podical Sciences Building, including detailed visits to the libraries, operating rooms, laboratories, enimal capes, engineering set-up, radio-active areas, communications area, files, security systems, etc. At 11:00 AM, another general conference was held with writer had several short individual talks with Fr.

At approximately 1:30 PM, and the writer left and the writer left and returned to

AT THE STATE OF TH

During the two-day visit. The writer wasable to introduce for discussion many subjects of interest to ARTICHOKE and other programs of interest to us. These discussions, while mostly general in nature, were at times sufficiently pointed to obtain some specific ensuers or opinions. Set out below are statements in substance concerning various items discussed:

LSD

perhaps with study the most valuable for our use. He, himself, is doing experimental work with it but stated at the present time the control of the chemical for our use has not yet been worked out. He agrees the chemical has a very high potential and much experimentation is needed. He has not used it in psychiatric case-work.

FIGURARY (An ergot derivative -- and possible antagonist of ISD)

PAULIOINTA

not believe it would be valuable by itself for our use but feel that it would be extremely interesting worked in combination with other chemicals.

perticularly thinks it should be tried with Chlopromaine and possibly also in combination with LED.

EULECCAPIEL!

this chardeal and he thought the psychogenic effects might be interesting although he had not worked with it.

MERATRAR

It was suggested that Frenquil (the garda isomer of Feratran), Ferrill product, would perhaps be more effective and interesting than Feratran. They suggested study also along these lines.

DOLLEGIE

useful for its analysaic effect. He stated that obviously there was a psychogenic effect in use of the cherdeal but because of the nature of his work (enesthesiology) he had not worked with it experimentally along a those lines. He also indicated he felt that judging by the several hundred cases he had worked with, it might have an amosic effect. I amount that it was important and should receive much commignation.

one of the locker rooms of a nearby country club and one dector twisted him back and neck in such a way that he could not straighten up, every novement being very painful. It a manufacture bin book to the Clinic and gave him 10 cc. of Delitrone introvuscularly in the buttock and within rimites this doctor was able to straighten up, move about, even sking a golf club and I said he did not check out how long the condition lasted but he knew it lasted at least several hours and he stated it was the first time Politrone had been used intramecularly. Drong felt that for people the had to jump from parachutes and in line of duty be subject to pain, broken legs, sprains, etc. and who had to perform an assignment in a given ported of time, this might be an important discovery. The writer suggested that this could be worked out using an automatic injector device and all said in his opinion it definitely could. He stated he would work on the problem and give it thought since he clearly recognized its value to us. He sud-figured that they would do some work in the future on the psychogenic and armemic effects of Wolitrone.

#### MESCALINE

We stated it should be tried with Bauwolfia and LSD. He said he had done no experiments along these lines but thought it right be important.

MINICI (a gas)

but felt its accesse and way of administration might preclude our use of it.

# ASPINUM

Both dectors agreed that the aspirin tablet was a simple way of administration and possibly aspirin combined with other chericals might produce interesting results. They had done no work along these lines but admitted that pills could be made to resemble aspirin tablets and this was indeed a very common pill.

# NARIJUANA

Interesting but did not appear to be good from our point of view.

Compared to value as a talk producer perticularly since control

would be difficult. Compared experimentation with this combined
with some other elements.

#### BARDITURATU

barbiturates. This used Barbiturates in psychiatry to a great extent. Use of Barbiturates, of course, as an emesthetic is standard and has made tremendous contributions in the field of Larbiturates, particularly his introduction of sodium pentothal. The writer asked both men if they were familiar with any new chardcals in this field with unusual and strange results. The writer was informed there were no particularly new barbiturates currently being studied and any new information along these lines in the future would be transmitted to the writer. The agreed with the writer in the use of certain barbiturates coupled with certain stimulants in marco-interviews as being effective. No has had considerable experience along this line.

cusa the problem with the matter some consideration and would also dis-

#### TERTIARY ANDL ALCOHOL

The writer asked — end— will they were familiar with it and said he didn't think it was worth anything and was quite familiar with it.

He stated a compound known as "NY2" put out by Parko-Davis was far superior.

(The writer may have misunderstood the term "NY2" but since it is contemplated further work with these men this matter will be taken up at that time.)

#### PIPAADROL

Term mentioned but no comments made. Apparently this compound may be experimental and homes not yet used clinically.

#### SERATORIZA

Each dectors were familiar with Seratonia and perticularly described it as very interesting but he had not done any work with the enterial.

First Stated that he would examine what he had on Seratonia and that at some future date the natter should be taken up with him again. The stated obviously it was of great interest but he did not feel at the present time it was worthwhile for the to content upon its applications and results.

#### DIBENEGRE

Dry \_\_\_\_ stated it was no good, from lie passonal knowledge.

Acra, beentaces

Follows and branched that these possible corporate often had interesting psychogenic effects. They stated that they had not studied it but doubted it would have much use for us. This was apparently based on the unusual side effects which probably would not be useful and might definitely be deagerous.

#### CHICHES

in lies use had never been successful. However, he did not preclude work with it hat did not like the substance.

#### DOMESON

both stated this use no good.

# ANTHUSALMIC DENGS

Both dectors recognized that these drugs would produce psychogenic effects but offered no community

# FUNCUS POXIES - MUNICION'S

One conference had hardly started before br. Jeried the uniter and if he were interested in poisonous maturous. The writer informed br. we were studying them now. The Lurged's very cereful study he made of this and also of the literature as it appeared that texts mushrooms were used as intoxicents in the Seviet Union. The felt it was something that had not be emploited and suggested study as to the effects produced by these areats.

# PROPERTY.

Again both dectors were well acquainted with Herphine and miggested that further exploration could be made in using Merphine in combination with such elements as scopolamine and others. (No special suggestions made.)

# IMPOUNT, IMPOUNTE

The dectors were familiar with the new but had not worked with this charical.

#### COMBINATIONS

devoted to the use of Serpesil (Remolfin) with the relatively new chemical Chlempromatine. He stated he had not as yet experimented in this connection but felt it might be valuable. He called attention to an editoral in the AMMALS OF INTIBILITY REMOTER, an article on psychogenic drugs. He suggested it would be of interest.

cologist or chemist whose name he could not remember who was specializing in studying analogs of ISD, and had developed well ever 100 of these analogs. He suggested this man be cleared and interviewed.

Dref Stated we should clear or arrange to contact from State Contact f

Me stated that we developed the plastic needle. From stated be thought something could be done with the insertion of a plastic needle into a person's veins that would be an ideal type of lethal weapon for self-destruction. The writer did not develop this idea since entry to from is assured in the future and this field, while of interest, is not particularly portinent.

#### ADRIMOCHROISE

The writer mentioned Adrenochrons and related substances as possibly psychogenic agents. The limit agreed that they were possibly of interest but stated he was not exactly certain how this could be used.

#### Harridals

general terms our interest in it and our work with it. Process of course, was familiar with hypno-analysis but is not using the technique apparently at the present time. He has not tried using any of the new chemicals as a trigger for Hypnosis and to his knowledge no one has tried obtaining hypnosis in the sumi-come period following shock-therapy. He agreed very little was known about the actual ultimate ends that were possibly obtainable through hypnosis. He stated that it certainly deserved intense experimentation and thought experiments could be designed to establish how for an individual could be pushed under hypnosis.

TALE

Delir Dr. Combined and present and since time was limited, the writer could not trace out all these various chemicals mantioned. Later at the was and its use and the writer asked by was and its use and page 458.

# COCATE

point of view with Cocaine and its derivatives. The regreed that work could be profitably done in this field.

# DIMPANIO ACID AND ENLATED SUBSEMICES . ....

Description of the state of the

# ALCOHOL.

Both-Dr. and Er. agree that Alcohol, particularly in whisky, wine, etc. was highly important to any operations of an Agency of our type. They suggested that practically everything fentioned should be worked in combination with Alcohol and that they would themselves try combinations with it and would emmine possible chamicals that would work as potentiators for the effects of alcohol.

acth, commedia

# STOPACH TUDES

a tube into the mother's storach to assist in childbirth. He stated oxygen is pumped into the mother's storach through a tube and instead of having a blue beby at birth, apparently a pink beby results. This has been used successfully. He suggested us give some thought to placing gas into a subject's storach as a possible way to produce talk. He said different gases could be induced into the storach through a tube and absorbed from the storach into the body. The analysis this could be easily accomplished with an unconscious subject.

# ELECTRONIC UNIGES, EMETROMARCOSIS

All persons that were talked to or not at the lestated that had a vest array of electronic equipment of all types. They stated they built their can devices if devices upon not evailable on the market and at they had numerous devices that were entirely maique. Nest of these devices would be too complex, too clumsy or require too much attention to serve a useful purpose in our work. The stated he was quite familiar with electronarcosis and stated it was clursy and painful and felt it would not be useful to us.

It should be noted that the group talked to stated that they would be glad to decign and build apparatus for us if such were required or that they would themselves attempt to develop apparatus or devices that arose from their thinking along lines mentioned heretofore.

# unusuai, kechiks

The writer stated be vere embrerely interested in any unusual

remilts of non chemicals or strange results that crose from use of non chemicals, electronic devices, UE cound, etc.

All individuals talked to stated they were well-aware these things occurred but at the they were usually quickly eliminated since they would not be in the test interests of the patients. They said they would have to think this problem over before appropriate answers could be made.

#### DIFFARY DEFICIENCES

The writer introduced the matter of dictary deficiences as a possible weapon. The writer pointed out a standard Soviet or Communist technique in brainweshing or in prisoner-handling appears to be a barely life-sustaining food ration. The writer asked the individuals he talked to to consider this problem and whether they thought it might be possible to manufacture food which to all outward agreemences would look and taste normal but would, in fact, be specially prepared (vital elements resorved) and would create confusion, envious, fear, etc. in a prisoner or parhaps lower mustal resistance, increase suggestibility or affect the memory.

All dectors talked to felt this was too complex and in their opinion it would be much ession to add sanathing to the food for these numbered than except new foods.

Suggested that The Two-volume book on deat deficiency would be of interest to us.

It should be noted that in retired specialist on internal medicine and authority on emotions and authority of emotions and authority.

averter on the directive system is aveilable at the man the consultation but he is not cleaved and was not talked to although it appears that he is also interesting in that might be valuable in this connection. he had done a great deal of work on pain and its effects.

# POTENTIATRIO CHINTEN LO, GRIENAL

Potentiating chemicals, the writer pointed out are interesting to ts. All doctors agreed that this field should be explored. They have nothing to offer of particular interest at the present time and said it would have to be given thought.

#### WYANDNE SULFATE

removed as superted that consideration be given to our use of Wyarrine Sulfate produced by Wyoth Corporation, Philadelphia, Pennsylvania. This charicals has about the same effect as Honzedrine only it is stronger and more effective. They suggest persons in our work under intense preseure and suffering from strain or hangever might find this proparation usoful. They stated, however, it was probably well imoun to us.

# BRAINSMASHING

For general purposes, the writer introduced the subject of Brainwashing. All individuals talked to empressed great interest in the ratter but felt that their thoughts were not sollfied enough to advance any ideas in this connection. They could suggest no techniques or subtle charical treatments that might have produced this phenomena but

green nerver geografie en folger ook folloer groei beken dat en 1866 en 1912 georg bildele

st

they were not informed in the matter except through the public press.

The specialty was anosthesiology and who at present is on the staff at

was a very brilliant individual who was constantly dreaming up odd an musual ideas and remufecturing unusual madents for use in medical work.

To thought he would be an ideal type for us to talk to.

# VIMITATIO OF GRADIERS SUBJECTS

Augmondologie

The writer discussed at length the problem of the unmitting and even the viciently unwilling subject and asked for some opinions or suggestions as to her such subjects could be brought into a controlled situation. This problem, according to all interviewed, required conmiderable thought. Closely related to the above was the problem of what could be done to a person who was asleep without disturbing and without leaving telltale marks on the person or leaving a hangover. The answers were again the seme but was should the writer a very small sized entirely portable rachine for administering gas which had possible use in these cases. This small highly portable device had containform of various gases in little cylinders cimiler to these used in the speridet soda bottles. In aggested that this machine secred extremely valuable for our study (see literature attached). As far as is known, this machine has not yet been rarketed and the writer is of the opinion that the first two machines in his effice for study. Que also pointed out that as a first-sid device or an oxygen device then working with

机机

barbiturates this device had great merit particularly under field conditions.

# PSYCHOLOGICAL HARRAGORDET

The writer asked various contacts at-life they had made any studies of psychological harracarant of any type. The ensuer was negative. The writer asked if any work had been done on such things as unusually painted rooms or slightly out-of-proportion rooms, rubber rooms, vibrations, smells, etc. The answer again was negative. This, based on based on based on based on based on the fact that the was for assisting human beings who are ill and not for research into psychological problems.

#### LOBOTONIES, MIC.

In the discussion concerning lobomories, it was ascertained that it may be as a newtor of course. They were not particularly impressed by the use of lobotomies for our work based primarily on the fact that it was clumby, dangerous, required expert surgery with not too predictable results.

They were sware of the term chandeal lobotomy but apparently felt that this was not suitable. They know of brain surgery performed by UNY sound but since this required opening the skull they thou ht this also was not feasible.

# MEDICINAL PLANTS

The univer requested if in a particular research they had discovered or worked with any "unusual" medicinal plants or had studied the

teresting to note that for the equivalent of the subject of rushrooms, particularly the texte variety! (The texted was studying rushrooms in a general sense and had noticed several articles in the literature describing the use of mishrooms as an intoxicant, particularly among primitive Siberian tribes. He thought this was very important and felt a study should be made. For suggested that perhaps mishrooms which were toxic possibly used at dinner if worked in combination with LSD or mestabling slight produce unusual results. Details note developed.

#### TOTAL ISOLATION

Perhaps the most interesting discussion of the entire trip cocurred during one of the conferences. - by thithout any previous reference, -solved the uniterall he were familiar with the work of Dr. IEEE in Centels. The writer stated he was familiar with IEEB's work. Drag then asked did the writer note the significance of Pr. MEBB's work from an intelligence point of view. The writer replied that the ratter was known and we were examining it and studying it as best we could. The writer asked Price I if he had done any work along these lines and he replied he had not but had read all available literature along these lines and wanted to do some experimentation if he could make some arrangements. Fr stated Dr. FRIB's work was quite well known and stated the effect on animals was also fairly well described in the literature. - Leg-To Dien stated that this field should definitely be amiletted. He absted it was of extrere importance and that it while to a very important intelligence weapon. . He wriged that worked be done in this connection and the irolation techniques be used in combination with charicals such as 130, resvery ceneral terms with him. The particularly asked them to give consideration to ways and means to which the isolation technique could be brought to bear on willing or norm important unwilling or even violently-objecting subjects. The stated that the problem appeared importance to like of tremendous/and he certainly intended to give this matter considerable thought. In urged complete studies of experimentation and research in this field a number of times during the conversations in the several conferences the writer had with him.

#### POLYCEAFR

of the uses rade of it. Whereas rest of the doctors present had heard of the uses rade of it. Whereas rest of the doctors present had heard of the device, none of them had had a chance to see it in actual work although for the had worked with for Leonard (1) in connection with the original development of it. In response to exact questions concerning massuring devices which would be of use to the Polygraph branch, the writer was informed that there were on the staff of the property several individuals whose names will be rentioned later who had done very advanced work in the inventing of and development of bensitive measuring devices for blood pressure, whin radiation, etc. One doctor is supposed to have developed numerous playthysmographs and related measuring devices which are capable of adeption to the measurement of decreased or increased blood pressure or blood flow at many points in the body. This discussion was not developed because the specialists referred to were not cleared and it was felt that exploration along this line could wait for

these clearances.

# DEMINITE OF 17W ARTSPECTED CASIS

Discussive stated at the present time there were no new inhalants or good he felt would be of interest to us. We pointed out that modern surgical techniques of enesthesiclogists require complex hospital-type equipment and all modern operating rooms are extensively equipped but that this type of equipment could certainly not be transported into any crude area or used under field conditions.

# THITCHES, JAMES, SIMEWERS, COUTFOLLED PRODUCTION OF

Since the writer and Dr. The had agreed that the production of any of the above phenomena would be of considerable interest if they could be controlled, the question was put to the doctors interviewed. While they regarded the problem as very interesting, no answers were obtainable. In suggested that it is should be cleared and interviewed. It is stated that have a considerable arount of raterial along these lines.

#### TOXICOLOGY

The writer ascertained that a does not have a tomicologist as such but they do have chemists and phermacologists on their
staff who have done toucological work and their services would be
made available at any time a tomicological study was required.

#### PATIS-PRODUCTION ACTORS

# "AUTOMATIC AUTOTERNIC MACHINE" ( )

This topic was introduced for discussion but since the machine was described as extremely complex, cumbersome and utterly uscless under our circumstances the matter was not pressed.

#### MIGRODISCHARUR DEVICES

In view of the failure of the hypospray to be of particular value to us, the Subject of Micro-Dischable devices for injection of powerful non agents was introduced. It was stated he know of the pencil injector-type of device but stated as far as he later no one had built any of these devices on a very small scale. He agreed, however, that with our knowledge of small hypodermic needles and injector medianisms such a device could be built. It will attack this type of device would be effective for lethal purposes. He stated this type of device could be built in small sizes that could definitely penetrate heavy clothin, including leather jackets, etc.

en esper our er gyf moni s

# ANNINGTA

The writer went into some discussion about the problem of a controlled accession and its value. The writer explained that our experiments indicated that certain chemicals, hypnosis and other things produced amnesia but these were not contelled, were not generally total and that under no circumstances would be guarantee armsia in any type of work. The doctors discussed the natter and agreed that centelled amnesia or total amnesia was not obtainable except possibly through surgery which they ruled out. They also felt that electroshock or chemically-induced shock, while they would generally produce amesia for the actual check operation, would not produce amesia for periods preceding the administration of the shock. They indicated there was some amnesia for produced for considerable periods following the shock but this certainly was not centrolled and would be spotty.

Description of the stated he felt if he were given the problem he would try to produce an amesia through the use of a series of differently-acting psychogenic chemicals or chemicals that act upon different areas of the brain. He stated he thought that hy matching the chemicals back and forth both prior to the interrogation, during the interrogation and following the interrogation it might be possible to produce a form of armogia. He stated that certainly a subject who had undergone various types of reactions to certain psychogenic chemicals and had been interrogated along with those various chemicals would be extremely confused, probably discriented and would not have sufficient mental capacity to differentiate between fact and fancy.

Comme

Reither doctor doubted his motives or information.

# : TRESERVE

The writer acked the doctors (particularly from they had rado use of Hypospray devices. The dectres were familiar with the device but apparently no use was being made of it at at a fire entated he did not like it primarily because it produced bruises and wounds and he felt for his work that other means of administration were more suitable and more adaptable. They knew of no new hypospray dovices and certainly were not designing or developing any themselves. pointed out that a Hypospray could not safely be used through clothing or leather. They were not familiar with Dr. ..... work at the University city a "new" hypospray as a prisoner-control device.).

# HERVE CASES

The doctors at were familiar with the various nerve gases but such elements, which have no real clinical use and are The doctors admitted highly dangerous, are not handled at file that these games or games which could attack the nerves in mub-lethel doses were interesting but no suggestions were offered.

#### CONVISIONS

The writer emplained our general theoreteial interest in the production of convulsions as a direct reapon or possibly the use of the come period following the convolution as a means of obtaining hypnesis.

The writer also discussed flickering lights or interrupted sound as a method for setting off a commission in a chemically-conditioned subject. The dectors, while familiar with convulsions and shock therapy were unable to offer specific suggestions although they agreed the ideas were interesting. They suggested the following:

a) Amonium Chloride

Asmonium Chloride intravenously will produce convulsions.

- b) Pyradomin deficiencies will cause convulsions.
- c) Tricol (an analog of Motrazol) is a convelsant. Known as Trizol in Germany in 1938 and 1939.
- / d) Diborel, a barbiturate of the Eli Lilly Company is a convulsant.
  - d) Pagnecium Sulfate intramucularly will cause convulsions.

# MEG. CORTICOGNAMIS, DETP ELECTRODES

In particularly brain wave studies are made in Spilopsy and in shock therapy. They stated they were about to receive a new type of The machine which automatically registerys in 16 positions. Both and Contice-graphic studies would be very useful in testing new drugs in commettee with their sequences effect. (Note: This statement has been made time and again to the writer. See report on any following.)

Along these lines, Free and others commented that the new deeply inserted electrode techniques should be of immense value.

Animal tests using these techniques are new being widely used and

1.

results are most interesting and highly indicative. Dr. first felt that through these tests much new material on brain function would be developed.

region to the term of the contraction of the second

# AND M. PAPERTY FUNCTION

the U.S. was at the Institute of the Entertheory of Entertheory was associated with this work and both were excellent men. He stated that the menkey colony at the Institute of the numered always between 90 and 100 meniops. He felt that both Dr. and Dr. would co-operate with us any time they were approached. The Result of no work at Colony with "waltzing mice" or with the Cibbon but expressed interest in studies with the Cibbon although admitting he knew little of the type.

From several convergations it appeared olvious that

would be interested in the Wilben but implementation of this idea was not developed.

wery emphatically NOTE: All personnel interviewed a etated to the writer that experimental work could not be attempted with their patients except where it could be shown that it definitely worked for the patients good. They rade it very clear that their work was to help those that were ill and pointed out that their specialties were all aimed in that direction. They said, however, specifically that this did not compt then from studying the effects of the new drugs, determining possible bases of new drugs, designing instruments or from working to help the U.S. Covernment in any way they could. They stated their thoughts would have to be rearranged to meet the chellorine of the various ideas the writer had expressed to them and that certain rechanisms could be set up along these lines and certain individuals should be cleared. (see following)

#### radhlitere (n'y indireré receré exerción gun efertifica-

In the first discussion with from the following names were recommended for clearance by this Agency so that their particular skills and talents could be emploited. All of these individuals are described as loyal and patriotic American citizens and who, in the opinion of the dector's present, would be milling to help and could make substantial contributions to various fields of endeaver thich they felt the Agency

......

post be interested in.

- Pranci de Cotal

Jeans dilital

at the department and Dean of the College of Pharmacology at the University of the is regarded as an outstanding pharmacologist.

hane dicied

is Guest of the Popartment of Isophysics at

and regarded as one of the most brilliant physiologists in the United States today.

It is believed he probably has a clearance of some type IX from this Agency.

There detail

Drawing and consultant in Neurology to and was recommended because of his browledge of brain problems and related

ratters and his recognized ability as a nerve specialist.

Manne del 1

More particularly, however, it is an experimentalist and researcher of considerable ability and has designed a great number of instruments which are believed to be of considerable interest to the Polygraph Branch. No has built many different types of Pleytheymographs and devices for the measurement of the flow of blood and blood pressure.

Dr. is described as a man of great imagination and a person who would be valuable for Agency use along lines of interest to us.

DRIVE PLANTER ACCOUNT

Both of these men are consultants to the animal are of considerable interest to us. Ir. I wis an inventor and designer of special modical devices and has worked with Dr. I wend others developing special anesthetic devices. It himself is the ranking dector in anasthesiclesy at the devices. It is become to the consultant. According to the consultant. According to the consultant of the process of clearance new.

As noted above, the visit to was, in the opinion of the writer, very profitable, not so such for the fact that the writer was able to pick up new information or new chemicals but primarily becase of the particular enthusiasm and willingness to co-operate shown by the individuals interviewed at the fact that the names above for clearences, the ideas seems to be (this beautiq whole) carted approval

and support of Fractions) and these names plus the includences contacted during this trip Should be cleared at the Ten Secret level for any two of contact or work on a priority basis. This group would then form a sort of pool of brain power or a nucleus that would work if required on problems of interest to this Agency. They would be a ready reserve future fully cleared in the event of/trouble that would probably be extremely valuable in research and in advice.

The writer wishes to point cut that this is not his idea but that

it seemed to stem from the group. Cortainly it could be said that the

full facilities of the control of the control of the control of that it must

be remembered control of an angel is not carried out on private patients. No

financial discussions were involved in any of the above and it was very

complatically pointed out to the writer that the control of the U.S.

Government, particularly the base was not aimed at "immediate results"

was more of an emploratory enture and was not aimed at "immediate results"

but was rather aimed at a possible full cooperation in the future.

ka siidiin a ee enda aga ka kaa ga

# SPECIAL COMPERTS

operating in today. This is based upon a remarkable promatic tube system which covers the entire areas and all buildings and which operates with great speed and efficiency between the Headquarters buildings and the other heaptials and even to the buildings which is over one mile away. These tubes, according to the

سداد دخواد وسره مودي

10.55

a Frield hort consider La Compare very secure and very fast. The security of the tutes is predicated on the fact if they are tampered with or opened, the tube ceases The oraninosters to function. In the control of this development is extremely useful and very cafe and saves a great mumber of personnel and much time. See histories, often bully documents, must be sent rapidly between the various hospitals and must move irreductely ahead of a visiting dector. This is done through the development of a frighly effective central communication system of pnoumatic tubes, gravity pipes between floors and automatic lifts for horizonal novement. This central communications system set-up is the heart of the administrative operation of the and related Acquire. In addition to the handling of documents, X-rays, etc. through the tube systems, it is also extremely interesting because of the general intercommunication techniques and the simple instrumentation developed for rapidly locating individuals and for the handling of the tremendes number of patients that Mow through the Commend Hospitale.

the writer, after the writer had expressed admiration and interest in the intercon system, that he would very gladly permit inspection and examination of the system by officials of this Agency and would co-operate in any may with the government if a study of the system would help. This same cooperative attitude was expressed by interest and that they would be unless that they would be unless to the informed in the content of the system would be the cooperative attitude was expressed by interest that they would be unless to the cooperative.

that they would be welcome again and questions concerning the modified Sciences Building having to do with the administration structure or working facilities of it would be more fully and completely explained at any time they so wished.

The State of the S By un extremely unumual 'co-incidence, The contract -(the-ranufacturers-of-LDA)-end-thand were visiting the for business resoons during the two-day period the whiter was present. Of particular in crest was the fact that the regardation of appointments with beth free Confidence of Focause of this, and because of the extremely favorable attitude of Francisco the writery requested that the questiened concerning LSD reconstruction of and certain other related matters. These conversations, reduced to the simplest terms, reflect that a would give to brothe Right World Co my amount of LSD required for experimental research and that beened was still extremely interested in the natorial and was still producing parme. As to the interests of the USDR in LSD, it came out in a conversetion between the many and one of theseintenber Feet that the USER was not working with ISD apparently were not at all interested in the drug. Constanted he based this on the fact that percent years ago he attended an intermedicual conference, apparently in Faris, and at this conference there were present a number of Soviet scientists and somehow or other the subject of ergot and its derivatives was brought up. The Soviet scientists emplained to ( I that they wanted no part of ergot; they had spent a good deal of time and effort stamping out the rusts that affected the grain in the Soviet Union (ergot derives from a rust, and they had no interest in the charactle (ISD), Apparently felt and was extisfied that this was indicative of their The reserventation area inter manufelast attitude and interest. A hand also informed . I that he was going to

Alexander (To been book of the section)

the West Coast in the next few days to attend a "West Coast Pederation

النفيق الروائدة الأكام الرواز والريادة (190 - 190 ما 190 -ال

.

•

. .

Atlantic City, New Jersey, to attend the American Psychiatric Convention from 9-13 Pay 1995. It should also be noted that wintends to attend this convention and further, for ratter of record, in its to attend the convention and is chairman of one of the groups.

Of particular interest to the writer was that Dr. . ) made the statement that ISD in a human body after administration is concentrated in the liver to the extent of 90% and less than 1% is found in the hyain and this disappears extremely residly.

to enguer questions put to them in the future end in the future and indicated his willingness to convey any questions of this type to those individuals for specific enguers.

ihilo (Lives talking with (Lives stated a prominent figure in Hollywood whose name was not mentioned (and stated he did not ask) had written to and asked for a quantity of LSD stating he wanted to use it at a party. The stated (Lives was shocked at this and turned it down but subsequently learned this same person in Hollywood had obtained LSD and also Rescaline (sources unknown) and had used both in some sort of punch at a party and the psychotic effects and results were violent and terrible.

nor ask Decould that he could not press this any further nor ask Decould to go back and attempt to obtain further information from the at this time. The stated he was curious as to the affects and who had the party and would try to pump this information out of the at this time. Atlantic City in May.

abook on the effects of Mescaline and is homeledgeable
about LSD and as far as the writer knows is living in
Hollywood, California.

NOTE: The writer considered the idea of posing as a doctor at.

You with that abandoned the idea in view of the fact that might possibly become suspicious if too sharp questions were asked concerning LSD. Was described by both the party as a perfectly sincere, hencet, and intelligent scientist.

100,00

buildings is worthy of study. As in most modern industrial plants and in large modern office buildings, fire control and fire reporting signals are important. The buildings have a very elaborate centrally controlled fire spotting and fire signalling apparatus which is based on a central control panel in a special area. Duplicate panels are placed in strategic points elsewhere in the succeptant to aid fire apparatus and aid anyone reporting or fighting fires. This central panel also contains a great number of indicators, dials, regulators for temperature, air pressure, air conditioning, etc. While not unique, this would nevertheless be worthy of study of any person visiting this area for the special reasons set out above.

Also of additional interest was a 180-seat theater that was specially designed for lectures, movies, demonstrations or whatever purpose required. It apparently is accoustically perfect and by special arrangment of the seats the stage (or things on the stage) are clearly visible from the seat area. It, of course, is equipped with the latest movie and sound devices and an excellent PA system. It is obvious that this Agency, if it moves into new quarters, must have theaters of this type built in and it is believed that a survey of this theater might be valuable for our purposes.

Another item which obviously should be of interest to Security all and to other elements of the Agency was the fact that practically/of the working areas of the new buildings are equipped with asmy different types of facilities built in. For instance, in the research areas, there are plugs in the call for automatic timing and there are sockets for light and heavy power. There are onlygen compressed air, high and low

pressure steam, hot end cold water taps and other gas outlets and there were vacuum tubes in many places as simple wall outlets. This type of wiring and sippling in the opinion of the writer is also worthy of survey since in highly sensitive areas in any new building which this Agency must have some of the these elements or methods of installation might be very important.

Francisco Pet 2

On Saturday, 9 April, the writer talked to br.

Athivered; circumstances at successful, between 2:00 and 5:00 Fit. Draw as usual, was most co-operative and again expressed his willingness to care out any type of work or testing that would be possible under his present circumstances. He stated that his work precluded exhaustive recearch but folt that these weapons ("truth serun" and psychogenic chemicals as intelligence weapons) were ones that required a great deal more time and attention than anyone he knew of had placed in them to date. He stated at the present time his criminal work with the following the because the following that the following the services of the following the services of the following the following techniques, even for criminal cases, unsuitable as a binner of function. (Other sources indicate the in bad repute at the wait versity and may be discharged.)

Dr. In said he had done a few more cases and his results had been good as for as the police were concerned. In what the present time he either used scepalomine intravenously at the beginning of the technique or second. Thereafter, he was pentethal invediately or at

least within the next ten minutes. He said he considered this safe and it has produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

The produced satisfactory results as far as he was concerned.

mumber of chemicals to be tried and in his opinion (stated to the writer previously) an EEO machine was essential to this operation. Stated in in the near future, he was to have an EEO machine for the anesthesiology department at the hespital for their sole use and with this he could and would test in a limited way if we would send chemicals of interest to us with proper supporting information.

which has been developed by an Australian in Australia by the name of.

Dr. (fmm). Ir described this chemical as a specific antagenist to the barbiturates and he has been attempting to obtain the chemical from Dr. Es stated to had provided to send some of the chemical to the province of the chemical to the when it arrived and keep us informed. In this connection he stated there was an article appearing in the LANCET of January 1955 and the LANCET JUNIONAL, January 1955, concerning this new chemical.

Dr. Dr. Destated that some time ago he had attended a convention in the East, apparently How York City, at which tr. Work in anesthesiology and and that he has, of course, suspected that

Maketa di massanang pada sa masa manaka da masa mang da mang d Maketa da mang da mang

along "truth serve" lines. He stated that I wited him up to lis 'As phaginas room and that a discussion was held during which will asked the asked how his work was progressing on "truth serums." According to att victorialism asked, "How did you know about that?" and apparently denied working on it. The first told to the "I can read between the lines" and when he nelson. pressed the subject, apparently told told the had another conference to attend and irrediately left the room. In this connection, it 260-11-50-2-16-2 ITO planeana is interesting to note that stated that common generally regarded as a "pansy" by enestinosialogisty who know him but the said The did not rele a pass at him, althought in the Remarked that The year or series asked him if he would like to take anhower while he was in the room. No other details along this line were developed.

confidential files: He stated one with the present the Agency confidential files: He stated one with the presentity a doctor, did not have his contract renewed at the university of the because he is apparently a Communist. He stated that one which when he know at the University of the and also a doctor, had refused to go Kh to the Veterans Administration to accept a position because he had to sign an eath.

Echool of the University of The was a very high type of person and should be cleared for contact. For thought thought thought thought the some sort of government clearance anyway.

For the record, it should be noted that most of the discussion concerned matters previously taken up with Content and which have been reported previously. As stated, was extremely co-operative and offered his services

in my way he could be of help to us. In this connection, Description pointed out that his wife had died suddenly last fall and since he has no children he had not yet settled on his immediate future having several offers for work elsewhere which he was considering. He repeated that if we would it send him any chemicals with the necessary information for their use he would be glad to make limited tests with them along lines of interest to us. He requested we forward information on Seratonin to him and also send him what material was available on the work that Dramawas doing at the literature on LSD but told the writer he had not worked with it experimentally or in any of his clinical cases. He recognized its extreme interest from a psychogenic point of view and suggested it required experimentation, particularly with other chemicals.

cortain chemicals for his study and use but we should not go
much beyond this at the present time. The writer feels that

the feels that
the fresh in his mind for him to become involved in work of a
highly sensitive nature. While it is obvious that the
vas ready and willing to co-operate with us and in a small
way we should send him some material, the writer feels that
extensive commitments should not be made to him or sensitive
material should not be sent to him now.

Luci ata no.3

The uniter spent Master Sunday afternoon, 10 April and part of that

ovening telleting with Her and incomes case through the entire operation at and stated as soon as clearances case through the entire operation would begin. He seemed very enthusiastic about it and informed the writer his team was interested and ready to go. He stated that if they were not overwhelmed by red tape or misdirected, they should produce extremely valuable information from either a negative or positive point of view. He stated that should be of great value. He urged that the writer on his next trip through the arrange a conference with the writer.

charicals and combinations and the writer should talk to and brief him on new charicals and new areas of interest since ideas would be valuable.

enthusiann and energy are worthy of comment. As is well known, his police connections and other connections in the fifty are very wide and important and it is felt that in irrespective of the connection for should be constantly held as an SO consultant in case of Mill future need.

The writer informed when he left him that he would rake arrangements on his next trip to the area to sit down with formed work discuss in detail the various angles of interest to the ARTICIONE work and its relation to the Project.

Paci 17 25.4

On Honday, 11 April, between 2:00 and approximately 5:00 FM in the

eftermoon, the writer talked to December 1 who is regarded by rany knowledge—
ablo individuals as probably the custanding mycologist in the United States,
if not the world, steday. It was extremely co-operative and surprised
the writer by asking after the general subject had been introduced, why the
very fertile field fo toxic mashreous had not been further explored. Exsocial he was well aware of the fact that there grow in the Soviet Union
mushrooms that were toxic and the literature contained rany examples of the
Russians, particularly the primitive Siberian tribes, using mashrooms as
intendicants.

The writer showed br. The very extensive list of questions and deceard on the first of questions and hards of various mushrooms which br. That had sent with the writer. The examined the list and stated that the list was accurate and interesting but stated there were literally thousands of mushrooms in the United States when of which we know nothing and hundred of which are toxic. Ho stated if work were to be done along these lines, those species that exist in the W.S. and Canada should be studied first. He stated that the toxicity or chemical content of the mushroom is not in his field and this would require a pharmacologist or chemical plus careful research. He writed, however, that this work be carried on.

Dresseld that this summer he was going to take a field trip collecting specimens into northern frichigan and stated he would be very glad to collect and preserve specimens for us. He stated he would do this free but if extensive collections were to be carried out, a small sum of money would be needed to hire assistants to help him collect (probably noveral hundred dollars would be sufficient). He said he would make the

Special consuming

positive identifications and direct the research for us. stated in 1955 he was taking a fifteen months field trip working in vestern U.S. (California and Fuget Sound areas) on a 112,000 grant from the Francisco Control of the couldn't see why we couldn't be included in a grant of this kind and thy he couldn't collect material of interest to us on this field trip. In developing his ideas of work on ways he could assist this Agency he felt before anything else should be done and certainly before he leaves for summer work this year, sermone from the Arency entirely femiliar with muchroens and who understands the problems involved technically should visit him. He stated he would be . glad to sit down and discuss the entire problem with that individual and ubula welcome ideas and thoughts along lines of interest to us.

District that he regarded the following as a matter of entreme intelligence importance. He stated that from his study of mushrooms and from his knowledge of Soviet activities along these lines he is completely convinced the Soviets are attempting to produce later or rubber from mushrooms. He stated specifically that the Bulgaria Rula has a rubbery fruiting body and he believed that the USIR was interested in this mushroom for rubber. He stated in addition to this that the Lacturia group of mushrooms definitely had latex in its body and that he knew that the Soviets would be interested in this group. He pointed to the fact that if the Soviet Union was able to develop strains of these muchrooms that could be grown in vats or indoors of under controlled circumstances and could come up with a way of developing this successfully, they would have a source of crude rubber and it was his guess they are doing exactly that. He stated that this was extremely important. He suggested The said and a said to the said of the sai

th

commonwhile of the Botanical Institute of the University at was an outstanding recologist and would have guite well of U.S.S.R. activities in this field. He stated he did not know the political orientation of Dr. That he should be contacted if possible. wood to prove the regularity of the called attention to Character Send French Character State Send worked with him at one time and was a capable mycologist but undoubtedly a Communist. The addition to this, ere is said he was now convinced government was studying and collecting mishrooms, not for agriculture reasons, but for other reasons. He stated up until a few years ago there \* Trieizh governent was no interest in the machrooms even thoughthey grow there abundantly. and the contraction He stated now there is a branch of the Department of Agriculture that is very setive in this field and stated this departind telegology eldings of to the ment is headed by Er. texonomist. He stated it was of particular interest to him because a young lady had been so it by Er. \_\_\_\_\_ from the Department of Agriculture with the proceeding summer with the This young lady, whom the programmed as very capable, was asked byand not looking the she was working with him in a for muchrooms in northern The young lady replied that is not my branch, others are covering those areas. This indicated to-Dr. urged that we clear Dr. of the extensive work was being done along these lines in WARREN BEING the telegraphy and Salar Dall He stated is a reliable American citizen, a very capable nycologist and highly recommends him. He called attention to the fact that the Puget Sound area centains a great many toxic

( machrooms including many Aminita Panthorina. Production of the first the second of the biology loperison of the production of the second of the s College be cleared and highy recommended him as an excellent mycologic pointed out that there were many well-known and many unknown toxic the senon relien mushrooms existing between Florida and Texas and management was acquainted with this territory intimately. Driver acher atherit goods who is an officer of the organization, of which he knew nothing, is of extreme interest to him because What approached him in connection with a rubber-producing much room. requested that braining Director of the University of elegation is temmently boss, be cleared. He stated that if he were doing work for us either officially or unofficially, Schoold be advised of it although not necessarily in detail. - Dr. his successions. estated as far as he know, - had a government clearance of some type. Tetated he know better the is now working at the afficient in a capable nycologist but his political background is dubious, probably Communistic. Also of interest is the fact that LKE Dream had recently visited him and asked Victoria Competent him concerning mainrooms producing psychogenic effects. was quite polite to but had to tell him as he told the writer that the field was energous and required a much more specific approach before he could help. Dr. said he did NYA not know that from the nature of the conversation, he felt that was beginning a study

> . Projeka i sa ni njegovje na pravljeda politika je na vejsopovije sepreme sepremenoje sligeni.

of mushrooms having psychogenic effects,

•

.

.

•••

The representation -- in a stated he had been esting-mularders all his life and he had had medirooms reke him sick, make him discy, destroy his coordination, and orientation and, in fact, act upon him in almost every way except kill Him. He stated he had tested mishrooms of all varieties and run scross muserous mudirooms that had many mental and physical effects. He gave. examples of people having eaten mushrooms and falling from bicycles and he and his wife after eating Verpa Schemin, a small wild spring variety, apparently native to the had had their vicual coordination completely upset and he himself after eating this maderoom had walked into a wall while trying to walk through a door. Because of these, in the stated this whole field should be explored. He again reiterated that he himself was not in a position to make chemical tests or pharmacological tests on mushrooms but he could collect and identify rushreens along lines which were of interest to us and he would do so if properly requested and the necessary technical errongements were made with him.

For the record, it should be noted that Drawlisted numerous muchrooms of interest for the writer and commented on others. The also
showed the writer the collection of function and related plants at the
linearity of the writer the addition showed the writer the correspondence
files on mishrooms, which covers a worldwide not.

In the writer's opinion, France appears to be extremely valuable and a future source of information for the Agency and should definitely be exploited. The writer recommands that someone having technical incidence visit France as soon as possible and that the question of financing about the taken up probably with Frat once, while the writer has no knowledge of the Agency's connections with the had a writer recommends that full

advantage be taken of the fifteen month collecting trip that bre-office will undertake in 1956 for the fifteen month collecting trip that bre-office will

Chier, Classification, 00/C

No supplications and seed

Case Tomants on Visit with Dark

- . 1. I had dinner with him 22 April 1955, and he wanted this information sent to you.
- 2. Device in Vaccington, D. C., where he has a title of Commander, arrived in this past week for the purpose of locating a home for his family. This past week for the purpose of locating a home for his family. This been on lean to the US Public Health Service for the past two years and will return to the US Public Health 1 July 1955, where he will take up his forzer duties in the Haurology Section.
- 3. Dr. has an M. S. degree in Chemistry, an M. D. degree, and is a full-fladged Psychiatrist. Difficulty speaks of him as the best Neurochemist in the field.
- 4. Dr. This been working in Washington, D. C. on LSD-25 and gave these findings of his to pro
  - a. LSD-25 can be detected it fluoresces under ultraviolet lights. Using the fluoremeter, you can make a chemical deduction in the blood and spinal fluid. This detection can be done to .0002 of a game in a period of 30 seconds.
  - b. 40 percent is excreted in the urino.
  - c. It passes the blood brain barriers.

5. Dr. feels that the should be included in the term. He ears, with the sain, as far as his department is concerned it would be complete because it would surnish him with a Heurochemist.

Dr. has worked with him the past and knows his ability and upon the return to the problems.

· 13.

- 7. Let me know your reaction to this us I feel that the biographic material on Land Land please let me know.
- 7. The doctor from I I boliovo his now in who was at the I which has never been tried clinically. He has noted Draging to experiment with it which has agreed to do.
- 8. A representative was at the contaction past week and has made arrangements with whereby all new stur in which will be sent to him for research.
  - 9. The photostate were sent to you by pouch on 23 April 1955.
- 10. The original four, Hroning Doctore Tolling and pend pend their regards. I assure you that their enthusiase has not lessened in anything. It will be of real interest to me to see how they will handle any problems that you may send on to them.
  - 11. I am enclosing, herewith, a report on "Pharmacology of HP-207" which was pent to describe by the described people.

## PHARMACOLDER OF HIG-207

- KP-207 with the empirical formula C2012312501. Hel was selected following a comparative pharmicological atudy on a corice of many phonothiazine derivatives.
- The phermacological analysis of RP-207 can be surrerized as follows:
  - 1. Toxicity:

Sucotain Linonate

411 3.3 mg/ks House ID 1.v.: Chlorpromizing IIP-207

Rabbit LD50 i.v.: Chlorpromazina 30 ng/kg . HP-207

2. One of the most characteristic properties of NP-207 is a broad speatre of activity on isolated emooth muscle organs.

Acetylcholine Antaronian (icolared intentine guine pig) (Huma therapeutic desage of MP-207 -100 X that of Atropine.

35 X less active than Atroning.

Historica Antonomism (Isolated incosting Guinea pig) (Human therapeutic dosage of IP-207 - 5 % unto of Sandostene

1.5-2 X less active tham Bandostano

Advending Antogonism (seminal vesicle gumes pig) (Human Therapeutic dosage of HP-207 - over 100 times that of DHE)

. 3.3 X less active than DHE

Backs Antaconism (Isolated invasing guinea pig) (Numan therapeutic desage of HP-207 - in same range as papaverine)

8 % more active than papaverine

3. Potentiation of barbiturate anesthesia in nice:

MP-207 potentiates the nerco-sedative effect of penthothal.

Druge used:

. \$ of enimals lying for more than 2 minutes on the side (Spitanlage).

a) 20 mg/kg Pentothal i.v. a) + 2 ug/kg 127-207 1.v.

a) 4 3 mg/kg ip-207 1.v.

a) 4. 5 mg/mg 12-207 i.v.

4. Aralgesia potantiation in also (hot plate test):

A permally implicative does of morphine (h pg/kg) produces partial analysis in animals pretreated with 6 mg/kg IP-207. Complete enalgesia is obtained if the animals are pretreated with 15 mg/kg IP-207. IP-207 gloss has no enalgesic action.

- 5. Effect on body temperature:
  - The body temperature of rabbit and rat is decreased under the action of MP-207. To obtain a temperature drop in the rat of 0.8-1.20 Colsius in normal room temperature, 2 mg/kg MP-207 are needed.
- 6. Dinitrophenol hyperthermia in rats can be inhibited by IP-207.
- 7. Inhibition of Mikethanide and Micetine convulsions in mice:
  MP-207 protects the animals against these types of convulsions.
- 8. Circulatory system of the cat:

MP-207 produces a moderate but fairly long lasting blood pressure fall (10-30 mm Mg) in doses of 0.5 - 2 mg/kg. The effect, however, is not very proportional to the quantity of drug injected. Respiration is not affected. The reflex pressure rise during bilateral clamping of the common carotid artery is inhibited by MP-207, but rarely abolished. Advenaline pressure rise is also less marked after MP-207, but this "advently effect is much weaker than what would correspond to the high adventline antagonism in the isolated seminal vesicle of guinea pig.

# PRELIGIOUARY CLIMICAL INFORMATION CONTAINED FROM THE TREATMENT OF OVER 100 PARELIES WITH 12-20/

TIDECATIONS: The usual Chlorpromeine indications.

DOSAGE: 75 to 500 mg. per day in units of 25 mg. - 10

patients received 800 mg. per day vitaout vide

offects.

DURACION: Up to citat weeks.

SIDE DEFENDA

No offect on liver function, sedimentation of the blood, blood pressure or body weight.

Many of the above patients prior to MP-207 treatment experienced side effects with chlorpromatine such an blood pressure changes, Parkinson-like symptoms, increased sedimentation rate of the blood, edema and increased body weight. These symptoms did disappear when the patients were changed to MP-207. When the decays of MP-207 exceeded 500 mg. per day some patients complained of lassitude.

Bellergal, 3 times daily, 1-2 tablets can avoid the symptoms of ANS disturbances due to the application of Thorazine-like compounds.

] KESTRICE	red Tochylae in the secre
•	The second of th
	ROUTING AND CONTROL RECORD
	C CONTROL ASCORD
DO M	T DET'CH EDON LOW TO
	OT DETACH FROM 'ON LOAN' DOCUMENTS
	2 May 1955
	DATE
10: 337	the control of the co
	1.15 in a mining in the
BUILDING	13 FOCK Y2:0
TITLE	
Trai	nalation of Jajanosa Patent Alvasas/
ກໂລກາ	officiaring of fan bilocolus Campant or
2017	got by Artificial Gulture (Japan)
12.	
BEULEUS	in the retention by 50/5RS
	ľ
Attac	had to 00-A-40016
•	
(Very ) Reyalia	
BOCLVEST(S)	Obstactits was at sticking to
FOR SETENSION	SY GEASTINE! CONTACT DIVISION/CO
ar Accesses	
ROM:	PARCE DAMANDO CON ESANCE
Bit (BING	PACT DIVISION/OO   Gois abilion   Factorial
Gilari.	The state of the s

The Betail of the Patent and Invention \$178336

Inventor: Matazo Abe " : Tojo Yanano " : Masawi Mikazi

Patent owner: Takada Pharm. Inc.

2427 DUsha-cho, "ignohi-Ku

Usaka-Uity

"The manufacturing of new effective content of ergot by artificial culture."

### I) The abstract of the nature and object of the invention.

The purpose of this invention is to prepare the very effective new saterial which perceases extremely powerful action to contract the sterns from the artificial culture of ergot bacteria which preduces new ergot alkaloid, Agreedsvin. The general procedures are as follower tiret to culture the crist bacteria, which produces alkaloid, Agreedsvin, on the bases such as said juice, Köji juice or other synthetic bases; secondly the extraction of the ergot alkaloid from Bacteria colony or cultural bace (in the latter case extraction is daffiled out from itself or extract from the alumina which proviously adsorbed the alkaloid) by organic solvents, in alkaline colutions such as ether, chloroforn, bendane, methanol, acetone, teluene, pyridine, carbon disultido or carbon tetrachloride, etc. are carried out.

1) The extract is decolorized by the activated charcoal, etc. and then contensed to give xitals or 2) Newarth acted by organic or inorganic acids such as hydrochloric acid, sulfurio held or tartaric acid etc. To the acid solution, associa, etc. (alkaline asterial) was added to precipitate Agreelovin from impurity.

## II) Potailed emplanation of the invention.

This invention is the addendum to the original invention in which the Ergob backeria was cultured in the malt juice and other artiricial subtural bases and the cultural base was directly extracted with organic solvent such as other, chloroform, bearend, etc. which are not misciple with water or adsorbed by adsorbent such as alumina to get active component of ergot, but after the further research, the crast bacteria, which produces new alkaloid... Agreelavin, was cultured in the malt juice, KUJi juice or other artificial cultural bace, then from this there was obtained the courtabline exterior this percepted outs malt percentual action of contraction of uterns and the properties of this acturial do not correspond to the known ergot alkaholds, so this was uterd Appeal wine. Its molecular formula is egoligies, u.p. 198-2019 to (d.), a V. m. -182 (chloroform) and the maximum absorption spectra has the peak at 2025 A.

The recrystellised haterial from other was the colorless mease clinic attals. This material gives ppt, with phosphores tengeten acid or Hayer reasent. Its sol, in inorganic or expense acids and their solution did not show felly tent. It gives blue colorestion to the sulfurious acid solution of vaniline, pedinethylamine benealdobyle, etc. It is very difficultly sol, in Chyon, folly, filly other, Cly and readily sol, in othyl acetate, CSg. The teluene solution, ate, shows slight alkalinity, l:10,000,000 dilution gives narled pheroacological action upon the isolated atoms of rabbit or gaines pigs.

The entraction of Agréelavin from the bacterial colony or cultural bace which was caltured on caltural bases such as malt juice or Köji juice or other synthetic bases was carried out as follows:

1) Adeterial colony was separated from cultural colution by the filtrotion and suched and parterized at low term, and removed the fatt by pet, other or ligroin, etc. And the pender was made basic and entracted with other, Al, Acebone, 01301, A013, pyridine, 053, 004, etc. to entract Aproblavin. Then necessary the entract was decolorized by charcoal and condensed slowly to give the crystal or crystalline powder of Aproclavin. And the solution of Aproblavin in organic solvent or its condensed solution was shaken with the raid such as Ha. Herotal hardened acid, atc. and then the acid solution was made alkaling with lambance or other alkalias emberial and then again it was entracted with the organic solvent. Then this operation was repeated it was hardless to change the solvent during the entraction. Then the repeated re-entraction solution was condensed, the attal or crystalline powder of Aproclavin separated out.

Then the sold colution, which was the neid extract from the organic solvent containing Agreelevin, was unde alkaline, Agreelevin, free from the impurity, precipitated at once apporting to the degree of the condensation of the colution and respecting to the against of the acid used.

The ppt, was filtered and washed and dissolved in the originic selvent, which was dry when necessary, and organic solution was condensed to give the crystal or the pedder of Agroclavin.

To this arministal authorospana was placed the sample erget bace torin, which produces Agreelavin, and ab was careful to the for ho days. Then the colony was filtered from the base and pressed and dried at low temperature to obtain the ponder, which than defeated and wet with amonta water and then extrected with benness. The condensed beauties solution was extracted with small around of 1 # tartaric acid solution repeatedly. The conbined acid solution was made alkalias by dropwise addition of amonic-water to ppt. Agreelsvin free from the impurity. The filtered ppt. was washed with dil. amonia solution and then dissolved in other. The dehydrated otherial solution was condenced to give crystallino Agroclavin (0.5 g. from every 100 g. of bacteria-colony). The mother liquor, after potenting the alkaloid, was extracted with other and the etherial solution was dehydrated and decolorised and condensed to give crystalline pouder of Agreelavin.

3. The aqueous colution consists of \$3 of namital, 0.1% of potassium hydrogen phosphate, 0.03% of mg. sulfate, and 1.0% of apparating and was hade pil 6.4 by sedium hydromide solution. To this artificial culture-base was put the sample bacteria, which produces Agreelavin, and it was cultured at 25° C for 17 days and then at 24° C for 15 days additionally.

On the 33rd day the cultured-base was filtered from the bacteria colory and the solution was treated with alumina (1 g. of AlgO3 per 3.0 mg. of alkaloid in the solution) to adopt the alkaloid almost completely and then the alumina was extracted with other under the amonic-alkalinity. The condensed otherial solution was repeatedly extracted with 3% succinic acid solution. To the acid solution was added amonia solution dropwise to make it alkalima to from and ppt. the Agreedavia from the injurity. The pot. was filtered and washed and then discolved in accions. Insol. material was filtered off and the cectome colution was then condensed and then diluted with dropwise addition of water. And when the crystal of Agreelavia began to separate the solution was placed in the cold room to obtain the crystalline Agreelavia (0.2 g. of crystal per 1000 cc of the culture-base).

#### The Helations to this Invention

This invention is the addendum to the pat. 169,919 and in the original invention the ergot besterin was embured in malt judes, notified or other artificial culture-bases and the base was embracted directly with the organic solvent such as other, Cult or benzeno, etc. or it was treated with alumina to adsorb the



and expansion of the original invention was the improvement and expansion of the original invention. All here the imput backeria producing new alkaloid Agroclavin, was cultured in the malt jake, Köji jake or the artisticial bace. The active component of ergot from the backerial-colony or the culture bace, penent of ergot from the backerial-colony or the culture bace, which contains the Agroclavin, was entracted with the organic which contains the Alkallino melia, such as other, Cleb, Al, colvent, under the Alkallino melia, such as other, Cleb, Al, colvent, under the Alkallino melia, such as other, cleb, Al, colvent, the following the component in the various acids conducted or 2) dissolving the component in the various acids such as Hd, HgCO, tartaric acid, etc. To the acid colution was added amounts colution or other alkallino substance to free-and ppt. the agreelavin from the inpurity to obtain the crystal-line new pd. Agroclavin which has very powerful action and contract uterus.

## The demotion covered by this patent

As stated previously, the ergot bacturia, which produces now alkaloid Agreelavia, was cultured on the malt juice, Röji juleo or other crediticial culture bases. The bacturia colony or the culture base (in the latter case, entraction was done directly from the culture solution or the component was adsorbed on the alumina), under alkalline condition, was entracted with the organic solvent such as other, Chal, Mi, Heel, acctore, 90%, pyridine, Cfg, Coll, etc. The solution was 1) decolorized with charcool and then condensed or 2) entracted into the acid such as Hel, Heel, are taken was added eq. summing solution or other alkalline solution was added eq. summing solution or other alkalline solution to free end opt. Agreelavia from the impurity.

The patent covers the above-sentlesed setted to obtain the new active component, Agreelavin, of ergot.

US Rescinden Delay Seficionis. Mediation . No cop experience Hingrow Ruchhrind. Length Med-leve it opelis Mingrow Ruchhrind. dent-Creawines ( ceft felly wood for - holo - 10to Romer & Lypice. Respoleration : Service agent teathering agent Englishment Sand working on Ichofonian. RID. 9070 une nilum. - Divil . Keeps Statistic - Porus . Then stand LID + Museular -

we are interested to obtain further info either, maprobant called My 2 or by a paine simile to ofthis is distributed by Parlies Pervisor. As he swithelve deciis considered for superior to the theory of the squeets with a terricular surel sheether. Mark Control of the C

(345)

waid of cill blunds of A contraction of the first of the second of the second of the second second second second second second second the nature of the interest which we and his representative () Makiny of in include studies including possible ಹಾರ ಮೆ ಸಯೆಗಿಲ್ಲಾಗಾಣಿಯುವುದ್ದಾ . the identity of such undercome of resulting attaction algorithms of such interior, industrial , psychogramic otc. 3: The courses and scope of recoveri The remilite obtained thus far and those expected . ···VI And should like to know Is the nature of the interest which show has in qualmoms , esp. retent and payengenie types. 2: the lightity of such mishrooms , their courses 3: The sope of research, if any, . the results obtained and expected . We should like to know Le chother Att have a templiturate collect diborel or combat like this, said to be a compulsant in הלדמונים בדוממולה 21% whether the same company has available a new compound called velocine or valented, possibly a paychogenic agant or the nouly developped sedutive (?)

We shoul! Who to have the available liter two and complete if completely as whether the same company has triangle or triangles of matricel, said to to the completely in encastive amounts, - or info who amunicatures and distributes this

כטווסוואן.

To should like to have the swilling literature, and samples, if awillable