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A/B, 5, 342/4

TO: Chief, Technical Branch C/S.O.

FROM: CSI/Medicine

SUBJECT: Report on Special Trip authorized by Memo of 13 Oct, 1954.

As directed, at least 10 professional contacts were made during the time of 18-29 October 1954. Every contact made, by great good fortune, through agency preparation and whole-hearted cooperation of all concerned, had most gratifying results. One of the desired substances collected has a commercial value of over 600 dollars, the other a production value of over 1000 dollars. Others are rare items, commercially not obtainable, all secured without expense to this agency. In addition valuable data and files were collected, as well as specimens from outstanding collections for further study and guidance. The personal contacts with field agents, executives, and scientists, old friends and acquaintances, some covertly, laid a promising foundation for further joint action.

1. Contact with

be through him with the officers and staff members of

A. - Dolitrons

has recently proven the value of dolitrons, bringing about results in over 20 cases. He gives dolitrons a definite place in the new era of anesthesiology, designating it as analgesic rather than as an anesthetic, as a border-line agent, since it keeps the patient at least partially conscious. It makes the entire system insensible to pain, in contrast to a local anesthetic, leaving the patient able to obey instructions from the doctor and retaining the ability to use the muscles. While it causes forgetfulness the blood circulation rate is not greatly slowed, oral surgery is possible with less bleeding and depression as well as deep anesthesia are only obtained after very large doses. Dolitrons has been used successfully alone or in combination with other drugs, such as curare, succinyl chloride, cocaine, nitrous oxide and ether, (see detailed data on table attached) in dental, eye, ear, nose and throat surgery, and in bronchoscopy, causing in contrast to pentothal no spasms. It has given extended and prolonged relief from pain in advanced cancer and in hemorrhoid removal. Its use in childbirth is in progress. For detailed clinical results see Table I attached.

Methods of Administration

1. Oral Use: Extended experiments are planned after completion in the laboratories of studies to improve the physical properties of dolitrons such as suspension or solution, removal of odor and adjustment to the desirable pH.

2. Intra-arterial Injection: The acute stinging pain, lasting about 2 minutes, may be overcome by the simultaneous or preceding injection of a local anesthetic such as procaine. The raising of the arm above the horizontal level, in case injections are made in the arm, are also recommended to forestall pain and temporary swelling.

3. Intravenous Injection: The use of the greatly improved lyophilized dolitron preparation, white, odorless powder, staying in 2% aqueous solution for about 3-4 hours, at a pH of 4.5, given intermittently by vein, as necessary, is recommended. Fortunately this lyophilized preparation is also now available for the experiments planned by the agency, through the cooperation of _____ and Mr. _____.

Pharmacological and Toxicological Studies

The value of dolitron as an intravenous anesthetic is also indicated in animal experiments. According to staff members of the _____, the acute LD₅₀ for the sodium salt of dolitron is approximately 3 times that of thiopental. While minimal hypnotic doses for these 2 anesthetics are similar, the duration of hypnosis is more than doubled, being 53 minutes for dolitron and only 20 minutes for thiopental in single 60-100 mg doses. No cumulation was observed with repeated intravenous dosing at regular frequent intervals in rabbits; using dolitron, and in dogs this cumulation was minimal. In contrast, using thiopental with an identical procedure, the duration of hypnosis in rabbits and dogs becomes longer with each succeeding dose. Signs of toxicity, as measured by hematology, body weight and gross and microscopic pathology, did not occur in dogs which were maintained in deep surgical anesthesia for two 90-minute periods. There was no appreciable change in blood pressure in dogs receiving repeated rapid intravenous injections of dolitron, until doses were given which were large enough to cause respiratory paralysis.

Chemistry

Dolitron is the registered name for the chemical compound:

5-ethyl-phenyl- α -thiazane-2- β -dione

B. Sarnig Leath Agent: Xenon

For purposes of very fast effects of anesthetization, without too great a risk of fatality resulting from its use, _____ suggests the consideration of _____

the inert gas xenon. Upon his advice we are contacting [redacted] for further information. Of interest in this connection is that according to the Russian R. I. Madorskaya, publishing his results in the Soviet Physiological Journal, Xenon, even at normal atmospheric pressure, has a narcotic effect 7 times stronger than that of krypton. Xenon is a heavy, colorless gaseous element, and represents one of the inert gases, occurring both in the atmosphere - part in 270 millionths by volume - and in gases from hot springs. Originally obtained by fractionated distillation of crude argon from the air, it can be condensed to a liquid, boiling at 109-109.2 C., and to a solid, melting at 111.5 (or at 116.0 C., according to W. Dictionary).

C. Stress and Strain Research: Neratron

[redacted] have also developed a new compound, alpha-(2-piperidyl)benzyl alcohol hydrochloride, for use in narcolepsy, in emotional fatigue and depression, amphetamine-like in action, but according to claims, not as toxic nor habit-forming, causing little or no insomnia, and no rebound let-down. Through the cooperation of [redacted] this substance is available to the agency in ample amount (without cost to us, for testing). The company expects to extend its work of stress research into aging and diseases of old age in its new "laboratory of basic medical science".

D. Personnel of [redacted]

executives and staff members contacted were [redacted]

[redacted] in whom unit dollitrons was developed.

acceptable to SO as [redacted] of these gentlemen, I believe, would be glad to cooperate with this agency.

E. Psychotherapist

[redacted] suggested [redacted] as a very capable contact for psychotherapeutic and psychiatric problems.

B/3

...with staff members ...
...the conference with ... the section chief of solvent preparations, the
...following problems were discussed:

1. The final total synthesis of IS (Lysergic acid) and of Ergonovine, this
had not been accomplished and was subsequently published
(see copy attached). The synthesis of IS resulting from years of group research, requires
such a complex procedure that kilo and larger stockpile quantities cannot be expected
for the present. No attempt is now contemplated to use biosynthetic methods for
the possible simplification of the process in the laboratory. The synthesis
of ergonovine, a useful agent in facilitating child birth and treatment of migraine,
was also made possible by the conversion of the di-lysergic acid to di-isolysergic
acid hydroxide, and the conversion to ergonovine, which last step had previously
been attempted by ... (See attached copy attached).

2. Many Lysergic acid derivatives have been prepared in the bio-chemistry
department headed by ... and are available to us for further study.
One of these, the ergonovine and morpholine, is being studied by ... who offered to inform us, when
results are available.

3. Corn Sulf (Setilago Noyalis), the use of corn salt, recognized in
Mexico as a medicine, and used to overcome apprehension and fear in paratroopers
behind the iron curtain and in China, was discussed with the suggestion that
further data concerning its chemistry might be made available to this agency. The
presence of ergot-like alkaloids has been reported in Chilean literature, and more
recently studied in this field are carried on in the ... iron now further info is
requested through cooperation with ...

4. Clitocybe illudens: The presence of ergot-like alkaloids in this Florida
mushroom was reported in recent literature has also discussed. This report
has not been ... through ... and the
... have expressed interest in securing
specimens for further study and requested our help in this cooperative research.

5. Fast acting sedative with anesthetic properties. No such substance,
faster acting than scopolamine with anesthetic and hypnotic properties, was suggested.
However, the development of selection of such special substances was discussed,
including possibly barbiturates, which might be volatile and readily volatilized,
they might then be dispersed or inhaled through their vapor and effective through
their vapor. There was a definite response to the possible use of drugged
cigarettes, suggested by ... and adopted in the use of ash
cigarettes, containing the leaf of *Datura stramonium*, and in the administration
of atropine (tetrahydrocannabinol). This latter use had been reported by ...

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... was connected in a way similar with the ...
 ... other known ...
 ... private ... for the ...
 ... of normal ...
 ... were helped ... far than ...
 ... and continued ... treatment, ...
 ... up to eight years old had been ...
 ... his ... cooperation, even change of ...
 ... program to be undertaken. ...
 ... work, which ceased him to suggest the ...
 ... of the ... of the ... of the ...
 ... in the ... of theoretical ...
 ... private patients ...

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... a copy
 ... which is attached.

... connects
 ... an outstanding man in his field, who high
 ... in his opinion.

B/6

B/3

Contact with

The following problems were discussed:

1. Heating death agent, causing acute anesthesia, without rapid death.

2. Suggested the usefulness of arsenic, suggested by [unclear], especially as a method of physical properties, as a gas and the difficulty of handling it. Suggested among the possibilities of [unclear] the use of methyl chloroform, a liquid becoming solid at [unclear] and boiling at 74.2° at atmospheric pressures. However, he admitted neither [unclear] nor [unclear] (including trichloroethanol, tribromoethanol, trichloroethylene, etc.) had actually been tested for the purpose as far as he knew and a selection would be made for further work.

3. Suggested poisoning: The narcotic properties of butoxy (acet. of acetylcholine) have been pointed out [unclear]. He indicated the presence of a reliable substance causing depression, respiratory paralysis and stupor. When injected into a guinea pig in food and beverages (e.g. glass of beer, etc.) narcotic properties should be further studied. The desired, the effect of [unclear] could then be investigated.

4. Suggested Butoxy [unclear]. They have been interested for a long time in [unclear] [unclear] [unclear] which plants he grows in his laboratory and [unclear] [unclear] which he does not consider a dangerous narcotic. He is aware that Mexican Indians use the cactus [unclear] [unclear] other than as hallucinants, and would be interested in pursuing such studies, if a project could be agreed upon.

5. Monkey Isolation Study: [unclear] follows his captive isolation and [unclear] [unclear] in his colony of over 100 rhesus monkeys. These are kept from certain dealers at 25-30 dollars a piece, after they are climate-conditioned in S. Carolina and freed from intestinal disease. He is not breeding them, but would be greatly interested in including gibbons and chimpanzees among his animal colony.

6. Monkey Behavior Study: [unclear] having observed the behavior pattern through daily observation, believed that in addition to the emotional symptoms of anger, jealousy, fear, anxiety and worry, the evidence of hallucination may be detected in monkeys, after administration of hallucinants. The work with more intelligent and gentle apes, in contrast to the vicious rhesus monkeys, such as the gibbons from Thailand, would therefore be a very attractive project, promising a valuable addition to our knowledge of testing.

[Handwritten signature]

psychogenic agents in animals. This exploratory guide could be profitably
related if carried out with a few strains of standardized gibbons. It
would be much interested in this phase as well. My assistance in obtaining
young gibbons for testing and breeding directly from Thailand through close
acquaintance with key personnel in the Thai govt. service and direction may
be acceptable to the agency and the state department.

Exchanges of potent agents... collected from his stock of
mescaline, without charge, a substantial amount of mescaline of about 15 grams
valued in the open market at \$9 dollars a gram, requesting in turn only a small
amount (one gram) of mescaline for exploratory testing.

He was greatly helped in his work by the assistance
of a Brazilian, whose help would also be available, if desired, in the
preparation of tests.

...the following...
...had been secured

...including...
...etc.

...is enclosed, I request to provide...
...for further detailed consideration and approval...
...obtain security clearance for...

...who spent many years in a responsible position in the
Professional Government Service and could readily qualify, according to data
in the file... and 2...
...specialist in anesthetics,
...anticonvulsants, toxicology, etc.

The following information was obtained from the collection of...

...with special legislation, and data, which...

...and, where necessary, the collection of...

...including the collection of...

...including the collection of...

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... of ...

The following ...

The ... and other ... were discussed, including ...

... of ...

... of ...

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... of ...

... of ...

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~~CONFIDENTIAL~~

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The following information is being provided to you for your information only. It is not to be disseminated outside your organization. This information is classified "Secret" because its unauthorized disclosure could result in the identification of sources, methods, or operations of the intelligence community, and could be of significant value to an unauthorized person.

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C

The first part of the document discusses the importance of maintaining accurate records of all transactions. It is essential to ensure that all data is entered correctly and that any discrepancies are identified and corrected promptly. This process is critical for the overall integrity and reliability of the financial information presented.

A
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3/7

The second part of the document details the various methods used to collect and analyze data. It describes the procedures for gathering information from different sources and the techniques employed to process and interpret the results. The goal is to provide a clear and concise summary of the findings, highlighting key trends and insights.

A
B
C
3/7

The third part of the document focuses on the implementation of the proposed changes. It outlines the steps that need to be taken to ensure a smooth transition and the role of each department in the process. It also addresses potential challenges and provides strategies to overcome them, ensuring that the organization remains operational throughout the transition period.

A
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The final part of the document provides a summary of the key points discussed and offers recommendations for future actions. It emphasizes the need for ongoing communication and collaboration between all stakeholders to ensure the success of the project. The document concludes with a statement of appreciation for the support and cooperation of everyone involved.

A/R, 5, 344/0

13 March 1950

My dear [Name] A

I am sending you this informal memorandum since my time is so limited before I have to go away. I thought I would dash off a few notes which you may find of interest for your consideration and the record.

A
C
A/B
C
B/B

1. I am attaching attaching a CIA memorandum taken from OSS files. It is completely self-explanatory and you will note I think with interest that the CIA was interested in this person. I am attaching this matter up with him and request his memory about these lines. He may be a source of supply for Germany. You can use the letter in any way you wish. I would like to have it back when you finish with it. The letter is the subject of a broad case at the present time, I believe, by security and should not be approached in connection with anything. Of interest also is the fact that the person mentioned in this matter.

2. Please to what you can. If it will be appreciated to get together all the material available. Particularly our interest in the results of his experimental work that he is now conducting. We should be told that we are interested in his results.

3. This is again to remind you that in the near future you may be called upon to procure reasonably substantial amounts of Meocaine, 127-25 and tetrahydrocannabinol. I do not know what amounts will be required but that information will probably come through [Name] and also [Name] will probably handle any necessary money involved in the transactions. Of course, be aware of this and aware of your ability as a procurer of rare items. I do not again have to remind you that this type of transaction should be very deeply concealed since our interest in this must not be shown.

4. Have you had the opportunity to secure any information on that drug called bellitrene that was apparently successfully used at [Name] specialist [Name] feels that that chemical would have particular value; these lines and we should like to find out all details possible and also how can we obtain the chemical itself?

A
B/B

A

Office Memorandum

UNITED STATES GOVERNMENT

A/B, 5, 344/E

DATE: 11 Aug, 1955

TO: Chief, Security Research Staff

FROM: Chief, Technical Branch, STS

SUBJECT: Travel Approval

A

Mr. [Name] has proposed a trip to [Location] beginning in August 1955 and terminating in August 1955.

The purpose of this trip is to attend to the following matters in the order listed:

- 1. [Faded text]
- 2. While [Faded text] under cover [Faded text] Hill/O
- 3. While [Faded text] [Faded text] E/O
- 4. While [Faded text] [Faded text] B/O
- 5. [Faded text] [Faded text] C

If approval is granted, please sign the attached data sheet and forward to the Chief, Administration & Training in order that travel plans may be made.

[Handwritten signature]
 [Faded text]
 [Faded text]
 [Faded text]

[Faded stamp]
 [Faded text]