

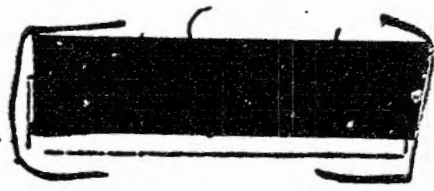
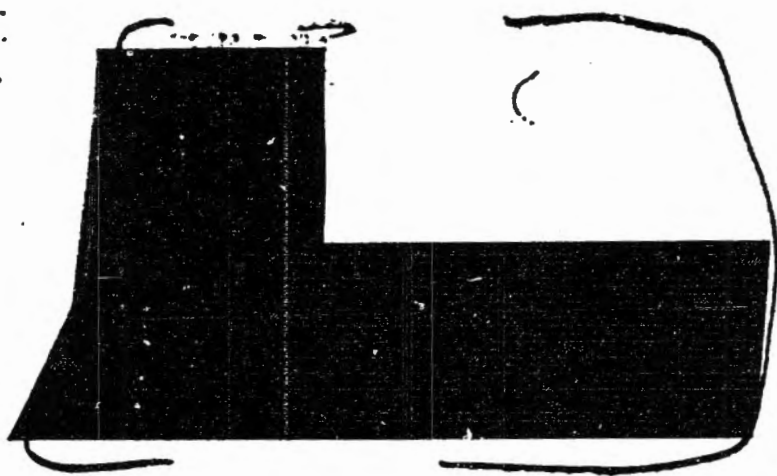
This document is made available through the declassification efforts
and research of John Greenewald, Jr., creator of:

The Black Vault



The Black Vault is the largest online Freedom of Information Act (FOIA)
document clearinghouse in the world. The research efforts here are
responsible for the declassification of MILLIONS of pages
released by the U.S. Government & Military.

Discover the Truth at: <http://www.theblackvault.com>



September 4, 1970



Dear Dr. [redacted]

I am writing in regard to support from [redacted] for the enclosed proposal submitted by Dr. [redacted] of our [redacted] staff.

[redacted] is wonderfully pleased to be able to sponsor a program of this scope and will do all that we can to provide the necessary space requirements as well as other requirements that the program demands.

Dr. [redacted] has exhibited knowledge and enthusiasm for this new dimension and we are quite willing to do all that is possible to urge its success.

Although this is perhaps a small beginning, we know that it can be enlarged and with the enlargement will come greater responsibilities for [redacted]. As the enclosed card will indicate, [redacted] will have a completely new Science facility by 1971 with all of the components that will lend themselves to additional areas of scientific disciplines that can be explored and utilized.

Sincerely [redacted]

TITLE: PROPOSAL TO STUDY THE TOXIC PROPERTIES OF HIGHLY POISONOUS
NATURAL PRODUCTS

Introduction:

We propose to screen natural and synthetic toxins of both botanical and zoological origins, observing both the acute and sub-acute toxicity, potential antidotes, the quantitation of antidote effectiveness, different routes of administration, duration of action and other pharmacological parameters. Standard techniques and statistical procedures will be employed.

Trends in modern police action and warfare indicate the desire to incapacitate reversibly and demoralize, rather than kill, the enemy (Mace vs. the 38 caliber revolver).

With the advent of highly potent natural products, psychotropic and immobilizing drugs, a new era in law enforcement, whether local or international, is being ushered in.

The development of new potent drugs (natural and synthetic) capable of reversible action with high therapeutic indices is the area to be explored.

Several drugs with psychotropic or immobilizing characteristics might be highly useful in military operations, particularly in the enemy's rear echelons.

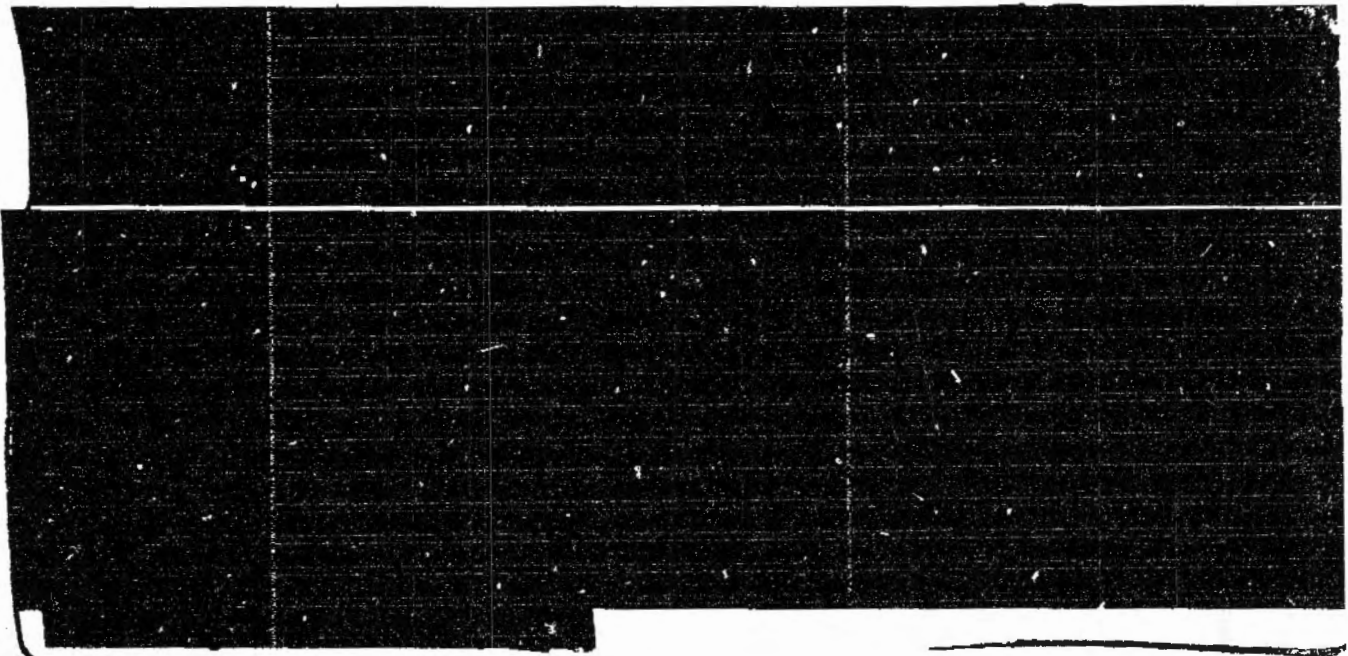
Background Statement:

The principal investigator has been deeply involved in the

list indicates a number of publications in the area of organo-phosphorous compound toxicology, largely with pesticides. These began while working in Washington with the FDA as a Toxicologist.

These studies continued while at the [redacted]
In more recent years, work with analgesics, ant venom and animal tumors has dominated the research program.

The work with analgesics started in [redacted]
[redacted] which, in addition to being an extremely potent analgesic, is an immobilizing agent in many animals. The work with [redacted] also led to the development and subsequent patent (applied) on the [redacted]



Space and Equipment:

Available laboratory space includes a number of rooms in a permanent fireproof brick and concrete structure [redacted]
[redacted] These rooms are readily convertible into laboratory and animal space and conversion will be initiated on or about the

third week of September, 1970, and will include a photographic darkroom.

Apparatus available includes a complete new Harvard Electronic recording system with heart and smooth muscle EKG, transducers with Cardiometer event markers, etc. Other apparatus includes water baths, a new Sartorius analytical balance, a customized 27 MHz telemetry system constructed by Sensory Systems Laboratories of Tucson; an Omega enlarger (4 x 5) with (4 x 5) Graphic camera, a Bessler print dryer, an 8 mm zoom Bolex camera, a Pentacon roll film camera, a Hewlett Packard Counter as well as a rotoYap system; a fair amount of hand and power tools, welding outfit, Olivetti calculator, and plastic labware. Zoom dissecting scopes and microscopes are also available as well as a new microtome and Clinical Centrifuge.

Conversion of lab space will include laboratory and animal quarters as first priority followed by additional space as required for office, darkroom, etc.

An office safe is available for storage of agents considered to be dangerous.

[REDACTED] infra-red and UV spectroscopy are available [REDACTED] if metabolic or other studies of the agents were contemplated.

Research Plan:

It is the purpose of these studies to screen new (or old) highly toxic natural or synthetic agents, particularly those for which highly effective antidotes are available, and/or those with high therapeutic indices.

Standard toxicological, pharmacological and statistical methods will be used, and attempts will be made to discover effective antidotes for agents which would show promise if such antidotes were available.

Budget: (Flexibility in the budgeted items below is desired.)

[REDACTED]

[REDACTED]

[REDACTED]