## MKULTRA Materials and Methods

This 1955 CIA document reviews the Agency's research and development of a shocking list of mind-altering substances and methods, including "materials which will render the indication of hypnosis easier or otherwise enhance its usefulness," and "physical methods of producing shock and confusion over extended periods of time and capable of surreptitious use."

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A portion of the Research and Development Fregram of TSS/Chemical Divicion is devoted to the discovery of the following materials and methods:

- Substances which will present illusted thinking and impulsiveness to the point where the recipient would be discredited in public.
- Substances which increase the efficiency of mentation and perception.
- Materials which will prevent or counteract the interioriting effect of alcohol.
- 4. Materials which will premote the interleating effect of alcohol.
- Materials which will produce the signs and symptoms of recognized discusses in a reversible way so that they may be used for malingering, etc.
- Materials which will render the induction of hypnosis easier or otherwise enhance its usefulness.
- Substances which will enhance the ability of individuals to withstend privation, torture and coordien during interrogation and co-called "brain-washing".
- Materials and physical methods which will produce amosic for events proceeding and during their use.
- Physical methods of producing chock and confusion over extended periods of time and capable of surreputitions use.
- 10. Substances which produce physical disablement such as paralysis of the legs, soute enemia, etc.

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11. Substances which will produce "pure" cupheria with no subsequent lot-down.

- 12. Substances which alter personality structure in such a vey that the tendency of the recipient to become dependent upon another person is enhanced.
  - 13. A material which will cause mental confusion of such a type that the individual under its influence will find it difficult to maintain a fabrication under questioning.
- 14. Substances which will lower the embition and gameral marking efficiency of new when administered in undetectable arounts.
- 15. Substances which premote vertness or distortion of the eyeright or hearing faculties, preferably without permanent effects.
- 16. A knockent pill which can curreptitiously be administered in Grinks, feed, digerattes, as an corosol, etc., which will be sufe to use, provide a maximum of ammoria, and be suitable for use by agent types on an ad hoe basis.
- 17. A metarial which can be surroptitiously administered by the above routes and which in very small encurts will make it impossible for a man to perform any physical activity whatever.

The development of materials of this type follows the standard practice of such othical drug houses as the standard practice of such othical drug houses as the standard practice, and the procedure to develop a drug to the point of harma tosting. Ordinarily, the drug houses depend upon the services of private physicians for the final clinical testing. The physicians are willing to assume the responsibility of such tests in order to sevence the science of medicine. It is difficult and sometimes impossible for TSS/CD to offer such an industriant with respect to its preducts. In practice, it has been possible to use outside cleared contractors for the proliminary phases of this work. However, that part which involves human testing at effective does levels presents escurity problems which cannot be handled by the ordinary contractor.

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21 TELY 022 157975 (C. ) .....: CL BY 187475 -3-The proposed facility offors a unique opportunity for the secure bandling of such chimical testing in addition to the rany advantages cutlined in the project proposal. The security problems mentioned above are climinated by the fact that the responsibility for the testing util rest completely upon the physician and the hospital.

Supervise the tork very closely to make sure that all tests are conducted according to the recognized practices and embody edequate safeguards. B (011 A ben designation of a

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