

UNCLASSIFIED

S.M. No. 35/67

~~CONFIDENTIAL~~

DEFENCE RESEARCH ESTABLISHMENT SUFFIELD  
RALSTON ALBERTA

5 June 1968

ASSESSMENT OF THE PERFORMANCE OF 155 mm SHELL CHARGED GD  
FUNCTIONED STATICALLY ON PRAIRIE GRASSLAND (C) (U)

Procedures to be used in Field Experiment No. 578.

ADDENDUM NO. 1

Effectiveness of GD Therapy in Monkeys Exposed to GD  
Vapor Resulting from Detonation of 155 mm Gas Shell.

Four monkeys with chronic, implanted cerebral electrodes, will be exposed to GD vapor resulting from the detonation of a 155 mm gas shell at the field trial layout. The animals will be tethered to stakes located near the chemical samplers. All animals will be dressed in army-like uniforms during the trial. About one-half hour before detonation, two of the monkeys will be given diazepam (3.0 mg/kg I.M.) and atropine (0.1 mg/kg I.M.). The animals will be removed from the contaminated area to a collection point designated by F.E.O. as soon as possible after the exposure and the uniforms removed and placed in cages for transportation back to the Toxicology Laboratory for examination and evaluation. Duration of exposure will be from time of detonation to time of removal of layout. The dosage will be calculated from data obtained from the chemical samplers.

**SECURITY WARNING**

"This information is furnished with the express understanding that:  
(a) It will be used for defence purposes only.  
(b) It will be afforded essentially the same degree of security protection as provided by the Canadian Department of National Defence.  
(c) Proprietary and patent rights will be respected.  
(d) It will not be released to another nation without specific approval of the Canadian Department of National Defence".

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