

- (iii) 3.7-in SP - A preliminary sketch illustrating this equipment, mounted on a tracked chassis as an assault gun, fully armoured, has been completed and submitted to CMDC.
- (iv) 25-pdr SP - At tests with QAs up to extreme elevation, the performance of the Muzzle Brake, Sexton, was satisfactory.
- (c) AA Arty
- (i) Fire Control - Light AA - The application of Superflex Heater to all 2.75 KVA Generators employed with static 40-mm guns has been approved.
- (ii) 40-mm Bofors - Airborne - Specifications for conversion of the 40-mm Bofors for airborne use have been drafted in collaboration with the contractors.
- (d) DF
- (i) Six DF GL Mk III sets are now in operation on the Gaspé Coast with satisfactory results. The remaining four sites are in the course of preparation.

CHEMICAL WARFARE AND SMOKE

26. (a) Inspection Board of UK and Canada (Week ending 3 Jul)

(i) Service Respirators - Components Accepted

Containers	2,376
Facepieces	1,500
Assemblies	1,500
Haversacks	9,798

(ii) Light Type Respirator - Components Accepted

Containers	12,417
Facepieces	4,207
Assemblies	4,207
Haversacks	264

(b) CW Laboratories, Ottawa (Week ending 8 Jul)

Mustard Purification - A steam distillation apparatus for the purification of Levinstein Mustard Gas is in operation experimentally.

A report has been issued on the theoretical background of the solvent extraction process for Levinstein HS.

(c) Experimental Sta, Suffield (Week ending 26 Jun)

Trials with USA Coloured Smoke Grenades (M 16) - From reports of trials to determine the value of the USA Coloured Smoke Grenade M 16 for signalling purposes between points on the ground or between ground and aircraft, it appears that the maximum reliable range for distinguishing the different colours is 1,000 yds on the ground or 3,000 ft from aircraft.