

March 20, 1980

21mm SEISMIC GUN

~~15~~ ^{an} 15 guns have been through interchangeability test and preliminary results indicate that ~~the~~ ^{breach} blocks ^{can be made completely} interchangeable ~~with~~ ^{if necessary.} ~~any guns except for one block in one gun.~~ This block was interchangeable in every other gun and its lack of fit in the one gun is being investigated.

~~Results of the interchangeability test will be tabulated and discussed further in a letter to follow.~~ ^{The} Briefly ^{of the test phase} the results indicate that neither the ammunition nor the gun at their present levels of development are acceptable products. Presently the gun is being redesigned to eliminate the ^{malfunctions} ~~problems~~ encountered in the interchangeability test. In light of this, ~~it is felt that~~ ^{shooting will} the test program ~~should~~ ^{Proceed} be suspended until the redesign is complete. We will ~~continue~~ ^{test} with a ~~reduced~~ mechanical dry cycle to determine the endurance of the present design. ~~The electric dry cycle will be suspended as the proposed redesign will incorporate a tungsten firing pin tip. Since the design is being changed it is felt that to fire 20,000 rounds using an old design would be a misuse of the limited ammunition supply.~~

^{Testing} ~~This suspension will necessitate the delay of completion of the tests to approximately April 15, 1980.~~ ^{Test of redesigned Parts will be complete by}