

Results of undertaking: Brief statement as to recommendations: None.

If incomplete contract: Effort as of March 30, 1961: Technology of instrumentation may not be advanced sufficient to measure elements involved.

Realm of contract: Feasibility studies.

Identity of contractor: Armour Research Foundation of Illinois, Institute of Technology, 10 West 35th Street, Chicago 16, Ill.

Cost of contract: \$34,220.

Subject matter: A feasibility study with the objective of using alternate methods processes and materials in the manufacture of the weapon having as the objective lower production costs and to reduce the use of highly skilled labor, critical materials and special tooling.

Results of undertaking: Brief statement as to:

Recommendations: Make in area of tooling, machining techniques, and other manufacturing processes.

To whom made: Watervliet Arsenal.

Accepted.

Realm of contract: Feasibility studies.

Identity of contractor: Atlantic Research Corp., Shirley Highway and Edsall Road, Alexandria, Va.

Cost of contract: \$62,811.

Subject matter: Project for conducting concepts studies and preparation of designs for a new 81-millimeter medium mortar and a new 4.2-inch heavy mortar.

Results of undertaking: Brief statement as to: Recommendations, none.

If incomplete contract: Effort as of March 30, 1961, satisfactory progress in preparation-of-concepts study.

Contractor: Operations Research Inc., Silver Spring, Md.

Contract No.: DA 49-193-MD-2115.

Contract cost: \$76,993.

Subject matter: A method which will serve as a basis for determining medical personnel requirements of selected type units to support the combat forces envisioned by current and future concepts.

Results of undertaking: The results of this study provided a working submodel for the examination of the Field Medical Service through computer simulation up to and including the level of battle group or comparable unit. This submodel will permit the evaluation of various unit staffing patterns in relation to the effectiveness of the medical service provided under any number of situations.

Contractor: Operations Research, Inc., Silver Spring, Md.

Contract No.: DA 49-193-MD-2154.

Contract cost: \$97,027.

Subject matter: A method for evaluating the relative effectiveness of the field army medicine support system.

Results of undertaking: The results are intended to extend the submodel up to and including division level.

Type of effort: State-of-the-art study.

Contractor: Armour Research Foundation, Illinois Institute of Technology, 10 West 35th Street, Chicago, Ill.

Contract No.: DA-36-039-sc-80021.

Date of award: April 30, 1958.

Cost of contract: \$74,902.

Completion date: July 20, 1959.

Subject matter: Services required for a period of 14 months, for a continuing study of new and proposed types of sensory and data transmission processing and display equipments, devices, and techniques.

Recommendation or suggestion and to whom made: None. The contractor was required to canvass industries as to what was available and proposed in techniques and components. The findings were presented by the contractor to