

Typical examples of savings in this area follow:

Army

Modification of design for decontamination and reimpregnating kits.—A value engineering review of the kit design suggested the use of lower cost plastic materials and simplification of the design. The changes were implemented and net savings of \$934,363 were realized.

Shillelagh missile test requirements.—Individual reliability, quality and engineering test data requirements were subjected to a value analysis. As a result, a combined missile test plan was proposed and adopted. This combined missile test plan eliminated redundant testing and provided the required test data. Savings of \$326,700 resulted from this action.

High Cost Electronic Amplifier Tube.—A VE study of a high cost klystron amplifier tube produced new technical guidance for industry enabling competitive manufacture of the tube. As a result of this VE study a net saving of \$261,800 was realized.

Navy

Elimination of Unnecessary Design Elements on Prefabricated Buildings.—Prior to procurement of prefabricated steel buildings, a VE study of applicable specifications led to elimination of several specification provisions and simplification of others. As a result of the design changes developed during the VE study, \$2.1 million was saved.

Airframe of Terrier/Tartar Nonflight missile.—Application of value engineering to the design for high cost nonflight training, handling and test missiles led to their redesign using less costly pressed wood in lieu of a metal airframe. Net savings on the initial procurement amounted to \$444,850.

Change in specification on 2.75-inch rocket dummy warhead.—Prior to application of VE, the 2.75-inch FFAR dummy warhead was plaster loaded, assembled and painted per specification. A new design specification setting forth requirements for key parameters of weight, shape, size, etc., leaving material selection and method of manufacture at the contractors' option resulted from a VE effort with a resultant net saving of \$1.4 million.

Air Force

Specification of sensor tests and change in model utilization. A value engineering change proposal recommended modification of qualification sensor tests and changes in qualification model utilization. The VE action was approved and a saving of \$205,600 was realized.

C-141 walkways. Custom built aluminum honeycomb panels were fabricated by the contractor and used as walkways in the C-141 aircraft. After the application of value engineering, the honeycomb panels were replaced by less expensive plywood panels. A saving of \$131,500 was realized from this action.

DSA

Black leather gloves.—The range of thickness in leather as specified in Mil Spec MIL-G-17602B (S. & A.) dated December 3, 1963, and deviation list dated June 3, 1964, made it necessary for industry to be