

Mr. SANDWEG. We have a series of three contracts on the long sheet that we had, Corps of Engineers, they are Contracts Nos. EA44-009-Eng-4606, 4607, and 4608. They are, respectively, with the Joy Manufacturing Co., of Michigan City, Ind.; the Arthur Orloff Associates, of Nunda, N.Y., and Caterpillar Tractor Co., of Peoria, Ill.

They are R. & D. contracts for studies to be made on a combat emplacement excavator, which I imagine is a fancy name for a fox-hole digger. The contracts were in the amount of \$44,054, \$10,400, and \$22,000.

(The contracts referred to are as follows:)

Research and development study contracts, fiscal year 1960

Contract No. DA-44-009-ENG	Contractor	Subject	Amount	Status
4515-----	Jered Industries, Nazel Park, Mich.	Study assault ferry.	\$64,780	Made various recommendations none of which were adopted which had not already been adopted by USAERDL.
4517-----	Food Machinery & Chemical Corp., San Jose, Calif.	-----do-----	116,575	Made various recommendations the most important of which was that the design prepared by USAERDL be used for this bridge.
4606-----	Joy Manufactur- ing Co., Michi- gan City, Ind.	Combat emplace- ment excavator studies.	44,054	In each instance the contractor recommended that he be awarded a contract to develop a combat emplacement excavator in accordance with a general design which he prepared. None of the recommendations were rejected. Extent of acceptance is subject to the availability of funds.
4607-----	Arthur Orloff Associates, Nunda, N.Y.	-----do-----	10,400	Do.
4608-----	Caterpillar Trac- tor Co., Peoria, Ill.	-----do-----	22,000	Do.

Mr. SANDWEG. The status of each contract is set forth identically and it is as follows: In each instance the contractor recommended that he be awarded a contract to develop a combat emplacement excavator in accordance with a general design which he prepared. None of the recommendations were rejected. Extent of acceptance is subject to the availability of funds.

General, these appear to be three R. & D. contracts for the same item, and we wondered why this couldn't have been placed on a design competition basis, with the cost to be borne by the man who gets the contract, and the others to fall by the wayside if they desired to participate in the R. & D.

General TRUDEAU. I will ask the Corps of Engineers to explain that.

Mr. NEW. My name is William J. New.

Mr. SANDWEG. First would you tell us whether this is a foxhole digger?

Mr. NEW. My name is William J. New, Technical Director, Research and Development, Office Chief of Engineers.

I have with me Mr. Alexander.

Mr. ALEXANDER. My name is Robert G. Alexander. I am Chief of Mechanical Equipment Branch, Engineer Research and Development Laboratories, Fort Belvoir, Va.