

If we say that 12 channels between these two points——

Mr. HÉBERT. I don't want to keep interrupting you, these details are interesting for information, but we want to apply ourselves to the overall principle.

Now you are saying that you do not have the competence in the Army.

Major BEAM. That was my original response to your question, sir, yes.

Mr. HÉBERT. Now if I may ask this question to pursue it, to get down to what we are interested in, why is it that you do not have the competence? Is it lack of manpower? Is it lack of brains? Why isn't a man in uniform which the Government has spent thousands and thousands of dollars to train at West Point and train at the universities of our country, why do we have to go outside of the uniform to develop war games?

Major BEAM. We must go back to 1956 to answer your question, sir. In 1956 the proposal was made that we might develop a system of this type. The Army decided that a feasibility test was necessary to find out whether it would continue the effort on this.

It went right to its military people and determined it didn't have the capability in 1956. It then went to probably the recognized leader in the field, which was Rand Corp., and Rand Corp. said that they could not do this job for the Army. They suggested the ORO, Johns Hopkins, be contacted.

Johns Hopkins said that they did not have the capability. Johns Hopkins suggested that the General Analysis Corp., which had broken off from Rand, might have the competent people to do it.

Mr. COURTNEY. What are you determining precisely, the mathematical probabilities of communicating via A, B, C, or many different methods? Is that what you are determining?

Major BEAM. To great extent this is true, sir.

We hope to bring this down to the point that we can say we can use a cheaper piece of gear than what we have designed, or that we can use one piece of gear instead of four pieces of gear to satisfy our communications requirements.

Mr. COURTNEY. Well, are you testing the gear, or are you merely computing on a machine—I don't know what the answer is, maybe I have it stated entirely wrong, but I am trying to think through to what you are getting at.

Are you testing the equipment under certain conditions that are devised by this organization, which is a noncombatant outfit, I would suppose?

Major BEAM. We are not testing the equipment. We are utilizing the characteristics of that equipment in our model.

Mr. COURTNEY. Well, does this company devise the deployment of the troops in a given battle condition or combat condition, both friendly and adversary, and then does it figure out the different movements of the troops?

Major BEAM. This is what this company is doing; yes, sir.

Mr. COURTNEY. Well, why wouldn't that be within the competence of the military people to determine the kind of game that you are having?

General TRUDEAU. Let me take this over, Major.