

type of work horse booster which would be developed at a reasonably early date and might have a thrust of, say, a million and a half pounds.

Do we have anything of that sort in mind?

Secretary GILPATRIC. I am not sufficiently familiar with the NASA program to testify to it. I know that we have an agreement. We are not working on that. The military are not working on that one you mentioned.

The CHAIRMAN. Any further questions?

Mr. Fulton.

Mr. FULTON. The question comes on the budget. Who makes the justification for research and development now for space, first in the basic field and secondly in the practical field for weaponry systems? Who will do that?

Secretary GILPATRIC. As far as research is concerned, Mr. Fulton, I believe that each Service will be permitted to budget certain basic research within these limits—

Mr. FULTON. Basic. Now, applied research—

Secretary GILPATRIC. When we get to development, it will depend on which Service has the responsibility. The Army will budget for Nike-Zeus and for Advent. The Navy will budget for Polaris and for Transit and the Air Force will budget for Atlas, Titan and Minuteman, etc.—there are only a few approved programs now, you see. We don't know what will happen in the future, or to what extent Congress will appropriate future missile programs.

Mr. FULTON. Then the next question is on Polaris—and I must say I have been a Navy man so I may be a little bit prejudiced, but the question comes up between a land-based weaponry system and a sea-based maneuverable system.

When the proposal is made by the Navy to expand Polaris in competition with, for example, Atlas or Titan, or various ones, what is going to happen? Does the Navy have the right to go ahead and make Polaris an ICBM of 3,000, 4,000, or say 9,000 miles, to make it exactly competitive?

Secretary GILPATRIC. I haven't heard the Navy claim they can do that. When it does, we will be very interested.

Mr. FULTON. If the Navy wants to increase the range—

Secretary GILPATRIC. We have approved two successive improvements of the Polaris, the A-2 and the A-3.

Mr. FULTON. I am talking about the third one. Mr. Secretary, the third development is going to be making it into a competitor with the Atlas. What do you think of that?

Secretary GILPATRIC. I haven't heard of that. It hasn't come to my attention.

Mr. FULTON. Do they want to extend it beyond 3,000 miles range?

Secretary GILPATRIC. We have approved every extension.

Mr. FULTON. Will you approve it to make it competitive with land-based missiles?

Secretary GILPATRIC. I don't know how many ICBM's we want. I think very seriously before we have another—we have Atlas, we have Titan—

Mr. FULTON. That is the point I am making. What are you going to do—approve them all or cut the Navy—

Secretary GILPATRIC. We will have to see what the strategic requirements are when these come up.