stimulation provided by the National Science Foundation for the development of manpower and other types of basic activities which would lead to a fundamental shift in the allocation of resources in these areas of science.

Mr. DADDARIO. Well, that certainly is a very good suggestion. Their involvements—they could immediately participate—would be extremely important.

Mr. BROWN. Of course, the function of this type of program is to focus attention upon the importance of this, which in effect will have the very beneficial effect—since you never get anything off the ground and get a lot of money put into it initially—the best program in the world doesn't start out with a lot of funding behind it; it starts out with no funding, and it draws the funds and it draws the attention because in looking at it you begin to see that it has a relationship.

I am impressed by a very modest example which has developed in the physical sciences over the last 5 or 6 years only, and that is the research in the field of lasers, which has gone from nothing up to something like $50 million a year because it seemed to be a fundamental breakthrough in a particular area.

We are talking about a total sum here which is less than we spend on this one very esoteric field of physical science research.

Mr. DADDARIO. Dr. Olive, there was one question I wanted to ask you. Even though you lay stress on the idea that this ought to be a line item somewhere, would you agree that we could get it off the ground by pooling agency funds as it is presently contemplated for the first year, but that we ought not to look at that as being the solution for the entire 5-year period?

Dr. OLIVE. I would agree with this as a distinct possibility. In other words, as you say, to get it off the ground, and looking toward the future. I would endorse this concept.

Mr. DADDARIO. The reason I bring up this pooling again is that the funds in the first year probably would not be as high as they would be as you went along. If this should be able to be arranged; it would allow us to be committed and give us an idea as to how we ought to be able to fund it over the period of time remaining.

Dr. OLIVE. Subsequent years.

Mr. DADDARIO. Well, I certainly think we have come a long way today. The resolution has been referred to by several as not being broad enough in scope. We had no idea at first as to whether or not it was. We have had a great deal of information now about the size of this commitment and what it can do. It is certainly an exciting possibility, and it does fall in with many of the concerns this committee has shown over these last several years. We certainly are enthusiastic about it. It is our responsibility from the policy point of view to see how it can best be put together. And we hope that as we begin to get to that point we may ask you for advice through the submission to you of formal questions or by some informal discussion or other.

Dr. OLIVE. We stand ready to assist in any possible manner.

Mr. DADDARIO. Thank you.

Dr. OLIVE. Thank you.

Mr. DADDARIO. Mr. Yeager?

Mr. YEAGER. Mr. Chairman, we have a prepared statement submitted by Raymund Zwemer, former director of the American Fed-