

harm man's relations with his fellow men, and might indeed do much to improve them. The need for continued environmental research is not merely a resource need—it is an increasingly urgent human, social need.

Every scientific achievement opens the door to several alternative avenues of advance. And as we make our choices, some of these doors swing shut—forever. We need to be surer than we have ever needed to be in the past that we see all the doors and that we choose the best possible route available.

Today's scientific and engineering efforts of the Department of the Interior are an investment in a brighter, healthier, more enjoyable America tomorrow. We welcome this opportunity to tell you briefly the nature of this investment—to show you how we intend to make it produce for the Nation not just dividends, but capital gains.

Mr. Chairman, we take considerable pride in the booklet that we have prepared for you. Many of the finest scientific people in the Department worked on it. I think it has been a very good effort for us in terms of summarizing for the Department what it is doing now and what our hopes are for the future.

We have testified recently before this committee on a subject, the important subject, of weather modification. We will be testifying soon again, I understand, on the oil shale.

We have selected this morning Dr. Pecora, who will make a presentation as the Department's top geologist.

But I thought it was most interesting for this committee to single out three or four of the most interesting and exciting projects and have the project managers present them to you in a brief fashion.

So Dr. Hibbard of the Bureau of Mines will make a presentation on Project Badger, which is a very exciting new project on underground excavation. It is amazing what we can do if we can adopt and use modern technology in underground excavation.

Dr. McHugh is the new Deputy Director of the Bureau of Commercial Fisheries and he will present a very exciting presentation on some of the latest developments in fishery forecasting.

Dr. Leon Weinberger of the Federal Water Pollution Control Administration will present a program on advance waste treatment or third-stage waste treatment. This is where we will clean up our water pollution and begin to regain our water. It is a tremendously significant development.

And then a subject that I spent some time on yesterday with Secretary Freeman, the EROS satellite project, will be presented by Dr. Pecora. Here is an example where we take space technology and look back to the earth and use this as a new resource management tool. It is a very exciting concept.

Mr. Chairman, we certainly welcome the opportunity to come before you this morning because it gives us an opportunity to summarize for ourselves and our own people and our own benefit just what we are doing now and to reexamine our opportunities for the future.

The CHAIRMAN. Mr. Secretary, may I compliment you on the way you have gone about this matter. I am impressed by the quality of the scientists you have brought in in key positions to endeavor to apply wisely the scientific tools and technological applications that flow from scientific research.