

ing science, technology, research and development under our Space Act. I added one word and believe I sold them on it in secret sessions. Do you know what that word was? Research, development and "exploration". You do not know what is there. Just go for the going. Be a Columbus of space, a Columbus of anything, but keep the breadth so that some people have a goal. I remember when you were down there and all the scientists were saying how they were do-gooders, how wonderful it was they had all these ideas, and how they looked down at us in Pittsburgh. Who was it that looked down at me?

**Senator Grosart:** McGeorge Bundy.

**Congressman Fulton:** Yes, McGeorge Bundy. He is with the Ford Foundation. He looked down his nose and said, "You people who have the plants and so on, you breathe bad air." I said I was from the City of Pittsburgh, that we had cleaned it up, and that we were cleaner than New York City where he came from. I told him, "Maybe we have a little bad air because the plants are operating. There is a trade-off. You can be a purist. You can have your plants and your pure air up in the mountain."

You cannot get this trade-off or balance unless there are people who make these judgments. People must be trained to do this, so that there is a scientific interface with government; they must be within the reaches of government and mesh with other interfaces. This is where government in your country and government in our country is sadly lacking, even to this day. I therefore compliment your chairman, Senator Lamontagne, Senator Grosart and the other senators who are looking at this overall problem. They are taking the time, as we did, to have a full scale look at all the disciplines.

I am from Pittsburgh, which is really a suburb of Ottawa. Our governments have not realized that on a plane going 1,000 miles an hour we, who are directly south of you, are less than half an hour away. On a 1,900 mile an hour plane we are only 15 minutes away. We would be considered a suburb if we were 15 minutes away by automobile, or in an ordinary ox cart or buggy. Thinking in terms of an ordinary automobile in traffic, in our X-15 we are only ten blocks away. Our X-17 travels 4,000 miles an hour, so travelling the 400 miles in one-tenth of an hour we are just six minutes away from you. We are closer than you realize. We are closer to everybody in the world than we realize, because going

around the world in 89 minutes in orbit you are mighty close to everybody.

It is a changed world. It is trite to say we are neighbours. We are not only neighbours; we are rubbing shoulders with each other. If we are to develop this continent we must do so through each government on a scientific research and development base. We started 11 years ago to work as a team on these problems. We now need liaison between our legislatures at this level.

It is amazing that we do not have a cold war any more. There is no cold war in culture, science, the arts and humanities. We are exchanging information on space with the U.S.S.R. Even though we are parties to the Treaty for Peaceful Uses of Outer Space, our U.S. Air Force came near violating the spirit of the treaty. We were to have a manned orbit laboratory built by the Air Force. Some of us opposed this because we had a National Aeronautics Space Administration manned orbital workshop doing the same thing for peaceful purposes. Our military would not even tell our committee what they were going to do in the manned orbit laboratory. But that is now cancelled. We got the former Associate Director of NASA appointed head of the Air Force and he just closed the thing down and moved the astronauts over to NASA for peaceful tasks.

The peaceful uses of science, research, technology and development are endless, and we must have funds in the budget for them. How do scientists have an effect on your national budget? I would guess almost everybody in this room could tell you how. They would have to go in through some agency with four walls and come up with a part of that agency budget. How do scientists in different disciplines such as a biologist and a physicist, get together? They could only get together across the high walls between departments with widely different points of view. There is something wrong in this respect with our government.

How do you do it? You must look around in your Parliament and find people, such as you sitting here. There are people intensely interested, willing to raise their sights above the corn on either side of the road they are hoeing. They look around and see the environment and realize that every country has a self-interest in the environment.

I think it is wonderful that we are here, and we appreciate this invitation. You are our neighbours and we should be talking with