for the Advancement of Science. There are said to be over 560 in the United States now.

All of this rapid discovery of new scientific and technological knowledge brings out the fact that postdoctoral education is the unsolved need which is beginning to be tackled by the leading universities. Recently in connection with a campaign for money at one university it presents the urgent need for a $4 million wing tacked on to its existing chemistry building; a building which is already one of the largest chemistry buildings among the colleges in this country, thus adding 50 percent to its space. One of the stated reasons for this was the need for postdoctoral education. This means that if a chemist graduates tomorrow, it is assumed in 5 or 10 years he has got to have access to the men who are in the stream of new knowledge, so that he can go on from there. This is the "PPh. D."

As to the great cost of research-and-development facilities, no one knows better than the Government. A good example is that the Government got involved with providing a single instrument at Stanford University that costs $110 million. One could do quite a lot, in any department of the military, with $110 million. But this is only a single instrument. It is called a linear accelerator. Naturally other colleges came in with requests perhaps envying their rich neighbor, thus the one at Harvard-MIT, and that of the University of Pennsylvania, in connection with Princeton, and the one at Cornell, et cetera.

A committee of scientists was put together which follows, of course, the standard procedure for unusual problems in government, and it was put under the chairmanship of--guess who--a Harvard professor, also a nearly standard procedure in Washington these days, and out of this came a very perceptive report. It was a scientific report by scientists, not by economists, nor by engineers, just top drawer scientists. They forecast the needs in such instruments for research in high-energy physics up through 1980.

It is interesting to reflect that by 1975 the cost of supplying such instruments, manning the instruments, and the provision of supporting facilities is two-thirds of $1 billion per year; for basic research in this field only. You see why Congress needs some sophisticated scientific advice.

Another consideration is that there is a new idea growing up in science and technology; namely, the research center. It is