

What is important is to view the entire educational communication process as a unity and then to compare the advantage of various media. This is what this bill makes possible and we believe it is a farsighted bill for that reason.

In terms of the costs, I am sure the question will be asked, should you start a new program of this sort in this particular year?

I think the answer would be it can be started profitably in a modest way. It is very important to make it clear that the government policy support developments in this area. In addition, I think it is important to recognize as the other testimony made clear, that regional and State networks are being developed at the present time and Federal and State money in relatively large amounts is going into these regional networks at the present time.

There is a great deal of duplication in what is being done in these different regional networks. The Federal Government is paying for a good deal of this. In addition, incompatible networks are being developed which would be natural, unavoidable, if there is not clear-cut continuing technical discussion among the developments of these networks.

If we do not begin now to bring this into a national picture, progressing cautiously until we are certain of the most effective form of network to be developed, we will have a problem a very few years down the road comparable to the incompatibilities between NBS and CBS color television at the beginning or incompatibilities between the various forms of phonograph records, only multiplied many times, incompatibilities both of hardware and software which will be so great that it will result in tremendous costs to the country as a whole.

Finally and my last point, I would like to refer to the situation of a new university like the one I am in at the present time. About a year ago I joined the staff of Cleveland State University which was founded by the State of Ohio just 3 years ago to become a comprehensive State university in the major city in the State where there has never before been State support for higher education.

It is a developing university and its needs are very great. In the past I have been associated only with major universities. I have never seen from the inside the problems of a small university or college or the tremendous problems of a developing university as they exist. Not only is our faculty small and in need of great development, but also our library is almost nonexistent.

While we are building a large physical campus we have the needs in almost every direction to build an adequate quality program. This will take 10 or 20 years, by our master plan, to get anywhere near the quality of education of institutions with which I have been associated in the past unless it is possible for us as a have-not organization to take advantage of the selection of the haves. This is the essence of the network concept whether it be a network for transferring professors from one university to another, or electronics. We are not interested in the educational realities of the situation. We are already talking with the University of Michigan about connecting a network between their library and ours so that we can get over this network documents which we do not have in our library, and interconnecting by classroom television, closed circuit television with some of the distinguished