

order to facilitate its licensing or use on a mass basis. We have responsibility for administration of what we call the experimental radio services. This is a group of licensees who are usually manufacturers, large and small, engaged in research of various kinds. They need these special licenses because they are experimenting with various uses of radio, or need to use radio in experiments of other kinds.

We have the Commission's laboratory activity in the Office of the Chief Engineer and we have a frequency allocation activity which is referred to in our exhibits as frequency management.

Frequency management in the United States is divided between the President on the one hand and the FCC on the other under section 305 of the Communications Act. The President authorizes the executive branch operations in the radio spectrum and the FCC authorizes everything else.

Mr. BROOKS. How many people are involved with you in that research and planning section?

Mr. WATKINS. Within the office of the chief engineer the figure is a total of 88, of whom I believe 49, at last count, are professional engineers. The others are support personnel or technicians, clerks, and secretaries.

Mr. BROOKS. And are there some others coordinated with that activity in other bureaus?

Mr. WATKINS. That's right. It depends on how one chooses to allocate time to various activities and projects.

Mr. HYDE. Mr. Chairman, I think a good example of this inter-bureau or interoffice planning is the study that is being made of use of frequencies for land mobile radio services. Since this has a possibility of using frequencies now used for broadcasting, there are broadcast engineers as well as engineers from the office of the chief engineer who have been engaged in that.

Mr. BROOKS. Good. Are you doing any work on reallocation of the radio frequency spectrum?

Mr. WATKINS. It is a continuing process, Mr. Chairman.

Mrs. HECKLER. Mr. Chairman.

Mr. BROOKS. Mrs. Heckler.

Mrs. HECKLER. I am interested particularly in this frequency management. I wondered what your criteria are for establishing broadcasting hours and what the procedures are for the expansion of frequency or broadcast hours, let's say, within a certain area?

Mr. WATKINS. I think Chairman Hyde or the Chief of the Broadcast Bureau, Mr. Smith—

Mrs. HECKLER. If that is coming in later I will postpone the question.

Mr. HYDE. You have asked a question that is basic in the administration of the Communications Act. One of the basic functions of the Commission is to allocate frequencies for the different classes of services and then to provide for the licensing of stations within those services. We have to find a—make a judgment, taking into consideration such things as safety. This is one of the first and compelling—

Mrs. HECKLER. Safety?

Mr. HYDE. Safety services. This would be used where wire cannot perform the function. In any allocation proceeding the Commission