STUDY OF TRANSISTOR PARAMETERS TO UTILIZE IN COMPANDOR CIRCUIT

by

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PREFACE

The compandor circuit was firstly come across the author by introdustion of Mr. Boonohoo Phienpanij, Engineer in Charge of the Provincial telephone and Long line Division, and from an article in the Post Office Electrical Engineer's Journal. At that time, the author had a very small backgroud in transistor theory. There upon, a lot of painstaking works had been devoted in order to obtain the required knowledge in both theory and practices of transistorized circuit. From practical point of view, the compandor is very helpful for long distance telephone circuit but an expensive one too. The author then began to construst a transistorized compandor by himself upon the purposes of securing more understanding in its characteristics and trying to use it in the existing telephone system. However, many problems have occured during conducting the experiments as the reader will find in Chapter III. Eventually, the work has been completed.

The author wishes to express his gratitude and appreciation to Mr. Boonchoo Phienpanij whose suggestion led to the undertaking of the problems and under whose guidance the experimentation was completed; and also to Mr. Sawart Srikham; Mr. Term Budhi-pinyo; Mr. Pleumjai Sinarkorn, Mr. Banleng Mukdapakorn which helped to make this work possible.

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