

Hello All,

As always, please send any questions about the reading assignment directly to me at oldtimetelephones@goeaston.net. I will bundle questions if necessary, repeat the questions, and give answers in an e-mail to the TCI List Server before moving on to the next reading assignment. This way everyone will benefit from these questions and answers. By sending questions directly to me, we will avoid unnecessary clutter on the List Server. Previous reading assignments, notes, questions, and answers are available in the TCI Library at <http://www.telephonecollectors.info/index.php/telephony101> (this is a new URL, but the old one will eventually get you there).

Please read the first part of Chapter 22, on pages 200 through the top of page 214. In this chapter you'll read about replacing components, converting local-battery (LB) phones for common-battery (CB) usage, and converting CB phones for LB usage. In addition there are how-to instructions for constructing intercoms and private lines.

First let me say that the very useful 1-microfarad metallized-film condenser shown in Fig. 22-1 is still available from Radio Shack for \$1.99. In my experience, the Radio Shack web site is really bad, and it took me forever to locate this condenser (of course I called it a capacitor). But Radio Shack stores are so convenient that they're hard to pass up. This condenser is now blue instead of orange and its model number is 272-1055 (same as the catalog number).

Several implants for converting an LB phone for CB usage and for using a desk stand without a subset are covered in the book. There's also a little fail-safe relay circuit for an LB phone that will let the bells ring when a call comes in and when you turn the crank – without putting the magneto voltage on the outside line. I was enamored with this little circuit when I first built it, but as time went on I turned against using this circuit and all the implants. This is just opinion, but I now like to demonstrate my phones in their original operating configuration (or as nearly as possible), realizing that I'm still going to reach for a modern TT phone to make routine calls.

The intercoms and private lines are cute, and I would have loved to have this kind of information when I was about 12 years old. One of them (Fig. 22-15) even lets you set up excellent voice communication using two handsets and one battery. Its equivalent dc and ac circuits, Figs. 22-16 and 22-17, are quite different, but Telephony 101 readers will be able to understand them completely.

If there are any questions about the current reading assignment, we will deal with the questions before moving on to the next reading assignment. Just one more reading assignment left.

Ralph