

Party Line

About Roger Natte

Hi Paul & Bev,

Welcome back!!!!!! Am looking forward to the newsletter now!!!

Sorry to say but this is not good news for Roger.. He has been having more mini-strokes which probably was evident earlier this summer but in September he was hit by a car in his wheelchair, knocked out of it and received a broken collarbone and several cuts and bruises and hit his head. Afterwards each day he would get more agitated and finally we had to have him hospitalized where they did several tests and found out the strokes have caused vascular dementia ... I can no longer have him at home. This is very hard for me and him too of course ... all prayers are appreciated. Wanted to let you and the members know why we probably will not get to any more shows but still value your friendship.

Will keep you informed if there is any change.

Bev Natte

Bruce Crawford Heard From ...

This editor got a surprise call a few nights ago ... it was from our old friend Bruce Crawford up in Ontario, the author of *sooo* many fine Singing Wires articles as well as past editor of the Switchers Quarterly. He had called to welcome Beverly and I back as editors of the SW newsletter. He promises that he will get back to writing again after the first of the year.

He was in fine spirits when we talked and says he is getting along quite well at this time. That is remarkable to hear considering the medical problems he has encountered recently as well as over the past few years.

He is staying at Brad McDonald's for the winter so cards or telephone calls may be routed to him there.

Hardbound Book of Singing Wires for sale: *Underneath this No.10 candlestick is a Vol. No. 7 of Paul and Bev McFadden's hardbound Singing Wires books. It contains all of our newsletters from July of 2001 through Sept of 2002 ... it is now on sale for \$27.00 postage paid. Proceeds go to the TCI treasury. Personal check, money order or Bidpay money order to:*

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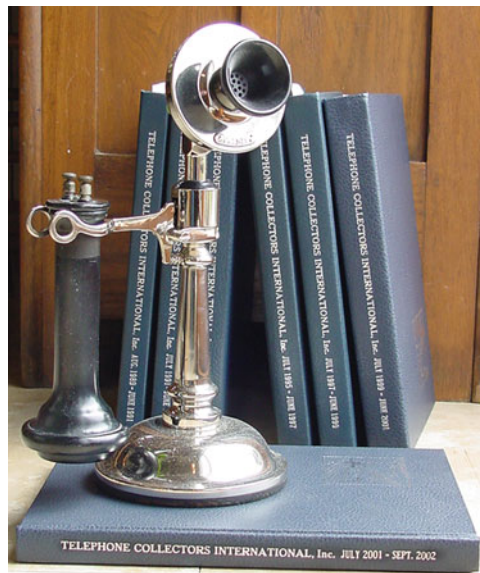
Note of Clarification on Anti-sidetone Circuits

by Ralph Meyer and Gerhard Fuchs

Both authors of this note have written about anti-sidetone circuits. In an August 2003 newsletter article by Gerhard Fuchs, it says that the Wheatstone bridge circuit is the basis for the [common-battery] anti-sidetone circuit, with the implication that all anti-sidetone circuits are basically the same. In *Old-Time Telephones*, none of the common-battery anti-sidetone circuits is described as a bridge circuit. In fact, both the article and the book are a little bit wrong, but both are mostly right.

Kellogg's Triad anti-sidetone circuit is, in fact, a Wheatstone bridge circuit and this character of the circuit was overlooked in *Old-Time Telephones*. This circuit was described as a modification of the booster circuit, and its operation was discussed in terms similar to the Western Electric circuit, which was described in the preceding section. If you just take the word "booster" out of the paragraph that describes the Triad circuit, then everything is okay. All of the circuits and coil properties are unaffected by this oversight. This is being corrected in the 2nd edition of *Old-Time Telephones*, and the bridge nature of this circuit will be shown.

Western Electric's common-battery anti-sidetone circuit is not a Wheatstone bridge circuit. Although this circuit from the No. 302 telephone was widely copied and



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formed the basis for the American standard 425 network circuit, it was not universally used in Europe.

Because the author of the TCI newsletter article lives in Austria, the basic difference between the American circuit and the typical European circuit was overlooked. If you just remove the statement that the "American standard network is based on the same principle" and don't infer that all anti-sidetone circuits are all basically the same, then everything else in the article is okay.

In summary, statements were made in the book and the article that were not correct, but the technical information in both is otherwise correct and consistent.