

CW Transmitter

Written by Hans Summers

Sunday, 19 April 2009 08:14 - Last Updated Monday, 03 January 2011 14:37

LETHAL VOLTAGES ARE PRESENT - GREAT CARE REQUIRED!!

This one-valve (ECL82) CW Transmitter occupies a very special place in my amateur radio history. I was first licensed in 1994 but did not operate on air. I committed to only ever operate equipment which I had made myself. I had no time for radio construction and several years passed. In early 2002 I came across a [design by Jan Axing, SM5GNN](#) and decided to build it. The transmitter worked first time and tuning was exactly as Jan had said it would be. At the same time, I built a [solid state HF receiver](#)

using various new and unusual techniques such as a Tayloe switching mixer, Huff & Puff stabilised VFO and polyphase audio phase shift network for unwanted sideband cancellation. My first ever QSO was on 25'th March 2002. Over the next few years I made a number of modifications to the transmitter, and it remained my ONLY transmitter for over three and a half years! During this time I made over 550 QSO's, many of which were long ragchews lasting an hour or two. The little ECL82 valve has served well!



Original version:

The first version was built from a [Jan Axing design](#) - a 2.560MHz QRP calling frequency circuit that was published in the [QRP Journal](#) by [Jan Wuestens](#).
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[E7A](#) was with [HF](#) [G407G](#) [25th](#) [March](#) [2002](#) [over](#) [the](#) [board](#) [for](#) [a](#) [distance](#) [of](#) [40](#) [miles](#) [The](#) [At](#)



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