

Hellenedyne

ONE-TRIODE REGENERATIVE PLATE DETECTOR

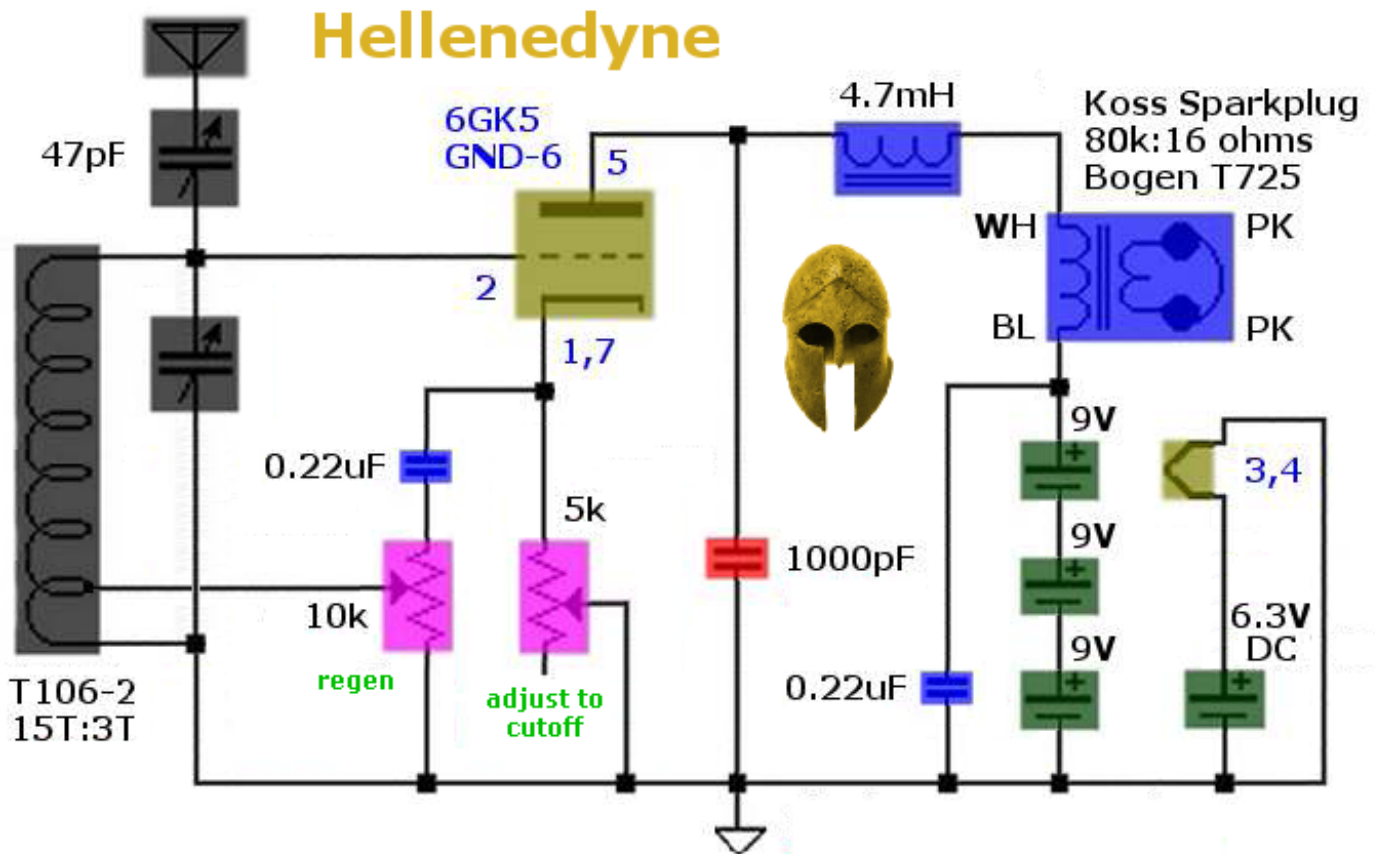
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The **Hellenedyne** is a single-triode regenerative plate detector. This version uses a Hartley style of regeneration, controlled by a 10k-ohm pot. The 5k-ohm pot sets operation to grid **cutoff**. The 0.22 μ F capacitor can be replaced with one that only passes RF: 1000 pF. Use whatever tank inductor tap creates a smooth regeneration. The **6GK5** is a high transconductance frame grid tube.

Dave Schmarder, who runs [TheRadioBoard](http://www.TheRadioBoard.com) forum and [Dave's Homemade Radios](http://www.DavesHomemadeRadios.com) website, built a MW version of the Hellenedyne at his site: <http://makearadio.com/tube/h-dyne.php>. I was very pleased to see Dave using the Hellenedyne for both his 2009 *RadioContest* and 2009 *Active Device Contest* entries. He went on to state that: *"This has become one of my favorite dx sets as the regeneration control is very smooth."* Be sure to visit Dave's page because his version uses a high-performance double-tuned input circuit. Dave has been building radios for over forty-five years.

The **Hellenedyne** is a unique type of receiver that uses both regeneration and plate detection. The detector has a high input impedance, no Miller effect, conversion gain, and smooth regeneration.



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