

A Simple Regen Radio For Beginners Qst September 2000

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A Simple Regen Radio For A Simple Regen Radio for Beginners September 2000 61
By Charles Kitchin, N1TEV here's a low cost, simple-to-build, portable shortwave receiver. Its design is noncritical and the receiver is easy to get going. With it, you can receive dozens of international shortwave broadcast stations at night— even indoors—using a 39-inch whip antenna. A Simple Regen Radio for Beginners - ARRL Build the Retro Regen Radio Vacuum Tube Background. Vacuum tube technology dates back to the time of Thomas Edison and the light bulb. In 1883,... Regenerative Receiver Theory. Radio detector circuits take a variety of forms. The simplest is the diode detector... Circuit Description. The basic ... Build the Retro Regen Radio | Nuts & Volts Magazine This is a regenerative Fm radio. Build very simple and easy to find parts. No special coils or uhf transistors. Antenna catches fm waves, first transistor works as oscillator. Simple FM Radio (sure Works!) : 5 Steps (with Pictures ... I also considered building a direct conversion radio, but the fact is, a regenerative receiver can easily be used as a direct conversion detector simply by turning up the regeneration. A regenerative detector is much more robust than any dual gate FET mixer, it is very sensitive to weak signals and it will demodulate AM in addition to single side band and Morse code. How I built a shortwave Armstrong FET regenerative receiver The radio currently tunes 7-11MHz. The basic paradigm of this design is to break up the traditional oscillating detector into a separated regenerative amplifier and detector circuit. A

High Performance Regenerative Radio | Circuit Salad Figure 1158 : Simple FET Regenerative Receiver. Tube AM Radio. Figure 1168 : Tube Regenerative Radio. Figure 1203 : Tube Regenerative Radio. Figure 1117 : Tube Regenerative Radio. Figure 860 : Tube Regenerative Shortwave Radio. TFR Regenerative Receiver. Figure 1081 : Two Stage TRF Regenerative Radio. Super-Regenerative Receiver. Figure 437 ... radioSPARKS - SCHEMATICS - 9/25/2020 It is the simplest transistor regen I've ever seen and operates in micro-power mode (can run at <1V). The detector operates with $V_{cb}=0$ for DC which minimizes detuning. The downside is small AF output and limited AF dynamic range as the detector is of a shunt type

Improvement of A Simple Regen Radio for Beginners - Page 2 ... A Simple but Very Sensitive Regen Receiver for 40 Meters by Rick Andersen, 2004 (revised and expanded 1/15/06) [I have revised this article as of January 15th, 2006, showing an alternative to the toroid-core inductors of the original design. The revised version uses #26 or #28 enamelled copper 'magnet wire' (such as sold in 3-packs by Radio Shack) wound on McDonalds' plastic straws as coil forms, then covered with molten candle wax to hold the turns in place.

A Simple but Very Sensitive Regen Receiver for 40 Meters There is frequency shift when using the regen control, but this can be used to advantage by using the regen control as a Vernier to accurately fine tune the SSB signal for best reception. For lower frequency SW bands extra tuning capacitors may be switched in to lower the frequency.

ULTRA SIMPLE HIGH PERFORMANCE REGEN - The RadioBoard Forums LM386 as a medium wave regen receiver by user Selenium on RadioBoards Forum Interestingly, both

the + and - inputs are tied together (pins 2 and 3). It is also quite unusual to connect pin 7 to anything but capacitors (for bypass or extra input as I have done), so that may change the bias of the input stage. Regenerative receiver based entirely on ... - Ham Radio Blog The radios described here are a regenerative design utilizing a single JFET and cheap audio amplifier integrated circuit. (JFET: "Junction Field Effect Transistor", a small electronic device which can amplify radio signals and is used as the basis for these radios. Regenerative: employing "regeneration" (feedback), a technique used in simple radio designs to increase the amplification of radio signals.) Simple AM and Short Wave Radio Projects for Beginners ... QRP Kits "Scout Regen" SW Regenerative Receiver Version 1.2 April 5, 2016 Page 1 of 47 "Scout Regen" ... Since we wanted this to be a simple kit for beginners, and especially aimed at boy scouts for the radio merit badge, we had to make some changes. Dan came up with the idea of using CVPC pipe as a coil form. It made the winding of the ... "Scout Regen" Shortwave Regenerative Receiver This is a TRF receiver which uses battery tubes which require 1.4 volts for their filaments. This design is very similar to RCA's A.C. operated, "Regenerative Shortwave Receiver". In addition to the scanned .JPG, I have also included .PDF versions of both the Battery Regen and the AC Regen. These receivers are shown in the "Circuits" sections of RCA Receiving Tube Manuals, RC-14, RC-15, and RC-16, and possibly others. Some Regenerative Receivers - W7EKB The radio is a regenerative receiver using a combination triode-pentode tube (which is like having two tubes in one, so I guess this is actually a two tube

radio?). The triode section is used in an Armstrong regenerative detector and the pentode section is used as an audio amplifier. Make a One Tube Radio : 19 Steps (with Pictures ... FET Shortwave Regenerative Receiver - Powered By 1.5V AA Battery Using the general purpose FET and NPN Transistor, 2SK117 + 2SC1815 Frequency: 3.5MHz - 6.5MHz 1.5V DC Shortwave Regenerative Receiver - FET Regen ... July 2008 - The AGC-80/40 Dual-Band Regen with Audio-Derived AGC. October 2006 - How I build my Radio Circuits-- "Ugly Construction" Over a Ground Plane. February 2004 - A simple Crystal Radio - no batteries needed. June 2007 - Build a FREE-POWER, Batteryless One Transistor AM Radio! December 2000 - Using the earth as an "underground antenna" Simple Home-Built Radio Projects Adding a few components and exploring the regenerative circuit can prove to be a little more engaging, and that's where this simple breadboard regen radio comes in. Recapture Radio's Roots With An Updated Regenerative ... Simple Radio by Streema provides free access to thousands of FM radio, AM radio & online radio stations. You can listen to music, talk shows, news & live sports radio. Tune in to your favorite...

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