

Crystal Set Projects 15 Radio Build

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BEYOND THE CRYSTAL RADIO PEP UP YOUR CRYSTAL SET WITH A TERRIFIC TRF **How to Make/Build a Crystal Radio**

BOY SCOUT CRYSTAL RADIO UPGRADE FM Crystal Radio (MOS FET) step by step instructions

How a Crystal Radio Works CRYSTAL RADIO: FREE ENERGY SOURCE?? ~~Shortwave Crystal Set!~~

Make: DIY Matchbox Crystal Radio Kit Build and Review ~~CRYSTAL SET, Mikes Electronics~~

~~CRK-4, Crystal radio~~ DIY AM crystal radio Spare The Rod? Spoil the Crystal Set - Part 1

Making a Shortwave Radio (How to make a Shortwave Radio) *stick shortwave radio antenna - nice covert antenna solution* 160/80m Crystal Radio - Introduction *World's Simplest Radio* ~~Tuning in to the world ... on a somehow shortwave crystal radio.~~ *WN1LRK 5763 TRANSMITTER*

FM Crystal Radio

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Make Crystal Earphone/Earpiece for Crystal Radio - Homemade *Homemade High Impedance Crystal Radio Headphone from Chili Cans Popular Crystal Radio Design That's a Waste of Time - And Why (Updated Video Available) Elegance. Howes CR-5 Crystal Radio Set Review Crystal Set Radio.wmv*
Part 15 Old Style Tube Broadcaster - Part 1 Kit Building for the Radio Amateur - AD#39 Part 15 Broadcast Band Transmitters part 2 Novice Stations of the 1960's - 1975 Part 2 Electronic Project Kit Shootout! New Elenco Vs. Vintage Science Fair Crystal Radio Basic Setup Crystal Set Projects 15 Radio

Crystal set projects: 15 radio projects you can build Paperback – January 1, 1997 4.4 out of 5 stars 2 ratings. See all formats and editions Hide other formats and editions. Price New from Used from Paperback, January 1, 1997 "Please retry" \$14.97 — \$14.97: Paperback \$14.97

Crystal set projects: 15 radio projects you can build ...

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A crystal radio, or crystal set as it is sometimes called, is a radio that only uses the power of the radio waves picked up by the antenna to generate the sound heard in the head phones. The reason it is called a crystal set is because they use a mineral crystal as a diode for the detector in the circuit.

Build an Antique Style Crystal Radio : 9 Steps (with ...

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Want to make a radio? Welcome to Dave Schmarder's 78 homemade crystal radio receiver projects with plans and schematic diagrams. I show very simple crystal sets, as well as high performance radios with holy grail parts. All crystal radio plans are shown. Others have made these into detector radio kits. Litz wire is often used.

Dave's Homemade Crystal Radio Projects and Plans Main Page.

The Society, founded in 1991, publishes a newsletter and several books about crystal radio. Content: crystal set projects, tips for crystal radio design, and crystal radio / antique radio history. Dedicated to once again building and experimenting with radio electronics. ... The July 2015 newsletter was mailed 7/1/15. Phil, W0XI, has written an ...

Crystal Set Society - new home

If you are looking to build a little radio that is as simple and as easy to build as a basic crystal radio, but performs many, many times better than even the best and most complex crystal radio, I highly recommend building my Armstrong "Crystal" Radio. There is a link to the Armstrong Radio project at the very bottom of the following crystal radio story.

CRYSTAL RADIO KIT - geojohn.org

DX Crystal Sets. I built my first crystal set at age 10 or 11 without a lot of knowledge of how it worked. The antenna was the nearest downspout and I was thrilled to receive WLW, the 50KW giant in Cincinnati. ... The original objective was to get him interested in electronics, but the result was a radio building project that went on for a ...

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AC8GY Crystal Sets

If you don't like using headphones, or need that audio boost from your crystal set or tube radio, the PO-386 audio amplifier kit is for you. The Peebles Originals Audio Amplifier Kit comes with all parts, instructions, and artwork. The amplifier you build looks great and will play well with your other projects. Your amplifier can be used with ...

Peebles Originals ~ Crystal Radio Kits, Tube Radio Kits ...

A crystal radio was the very first circuit I built. I was 9 at the time, which makes it, what, 49 years ago. Still remember the first time I actually heard a station come in.

Getting Serious About Crystal Radios | Hackaday

"Subminiature Portable Crystal Radio Receiver (USP 2805332) "Sun-Powered Radio" (Science & Mechanics, June 1956) "A Super- Sensitive All-Wave Crystal Set" (Radio Craft, May 1933) "Tapped Coil Crystal Radio" (Popular Electronics, Oct. 1989) "Tapped Coil Crystal Set" (Science & Mechanics, Aug. 1949)

Crystal Radio Circuits -- 40 articles (pdf)

Building Your First Crystal Radio. This small booklet is written in easy to read language for the true beginner to our wonderful hobby. It has pictures and symbols for basic parts and gives the reader basic information to get started with that first building project. 5-1/2 x 8-1/2 x 15 pages.

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KITS - Xtal Set Society

You have arrived! Over 100 crystal radio sets and tube receivers, and loop antenna projects and plans made by Dave Schmarder are available on makearadio.com. I encourage all to make a little radio for yourself or build with your kids. Enjoy the dx on a homemade crystal set radio!

Dave's Homemade Crystal and Tube Radios at makearadio.com.

As a project to be built up from scratch by beginners or young people, I absolutely DO NOT recommend the "Scout Beginners" radio I describe in the story or even the Armstrong shortwave radio I will present in the latter part of this story (unless it is bought as a complete kit), but rather I recommend my Armstrong "Crystal" Radio. The Armstrong ...

How I built a shortwave Armstrong FET regenerative receiver

The Crystal Radio Society (the Xtal Set Society) has books, plans, parts, even kits, and a journal. The society was started in 1991 as amateur interest rekindled in crystal radios -- for the third time. Also on online forum, history and projects.

Crystal radio: Journey to Forever

elegant project. The crystal radio turns the radio signal directly into a signal that the human ear can detect. Since the radio does not use external power, the source of power comes directly from the radio waves themselves. Your crystal radio detects in the AM band that have been traveling from stations (transmitters) thousands of miles away.

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Crystal Radio Science Fair Project Guidebook

Crystal radio builders may be familiar with the aluminum "air variable," type shown in the above image, but these are getting to be rare and expensive these days, so in this Instructable I use the more common miniature plastic "polyvaricon," (Polyester Variable Condenser) which are still manufactured and can be purchased from several online ...

Make a One Tube Radio : 19 Steps (with Pictures ...

Explorer™ AM: TRF AM radio receiver (solder kit) - black case - GR-152-BK \$ 149.95. Sale.

Adjustable DualView™ magnifying loupe for surface-mount soldering- GDP-1800 \$ 12.00. Sale.

VHF/UHF stealth antenna kit - Amateur Radio 2m/440 - AN-P2L Pipetenna™ \$ 149 ...

Shop | heathkit.com

This website is dedicated to the art of radio building, dxing and competition. I hope this encourages some of you interested in building electronic projects to make a crystal set, and see how far away you can hear. So enjoy! 73, Jack, KE4ID. Latest Project. Mike Tuggle's 1AD4 One Tube Shortwave Receiver June 2018. New Section! – Projects ...

Birmingham, Alabama Crystal Radio Group

I will do my best to put together ONE CRYSTAL RADIO SET Project as a kit ! ALL YOU WILL NEED TO MAKE YOUR FIRST CRYSTAL RADIO RECEIVER. SOFT COVER. ... \$15.51. Free shipping . CINCH quartz crystal SOCKET P/N 203-71-02-044. \$2.95. shipping: + \$3.30 shipping .

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Crystal Radio Projects from Xtal Set Society Newsletter ...

I will do my best to put together ONE CRYSTAL RADIO SET Project as a kit ! ANOTHER GOOD BOOK TO REAG BEFORE TO MAKE YOUR FIRST CRYSTAL RADIO RECEIVER. SOFT COVER. By P.A. KENZIE. ... \$15.51. Free shipping . Boys Life Magazine January 1950 - ONE TUBE RADIO . \$49.94. Free shipping . CINCH quartz crystal SOCKET P/N 203-71-02-044.

This book written by P. A. Kinzie chronicles the fascinating history and development of the crystal detector, including the reasons for its brief dominance of the radio market after the turn of the century. Starting with the discovery of solid-state rectification and then through the development of the crystal detector the reader learns about great inventors such as Pickard, Braun, Dunwoody, and others. Radio fundamentals such as antennas, ground, lightning protection, tuned circuits, and detection are covered for the beginner. The unending compromise between selectivity and sensitivity is discussed for the crystal set designer. Advanced topics such as the use of multi-tuned circuits and wave traps follow for the more experienced experimenter. The crystal set embodies many of the basic concepts upon which modern radio electronics is based. By grasping these basics in their rarest form, the crystal set, the reader can build a powerful foundation for additional learning.

This book revisits the era of the simple crystal radio set, when a "cat's whisker", piece of galena and a

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coil of wire were all that was needed to tune in a radio signal. It contains hundreds of photos and magazine ads identifying thousands of crystal radios and detectors made in the U.S. from 1920 to 1950. Company histories are given for the Wireless Specialty Apparatus Company and RCA.

Once again members of the Xtal Set Society bring you ideas and instructions for a variety of crystal radio projects. This book contains projects and theory about crystal radio including: The Magic Reynolds Wrap Attic Antenna and instructions for building your own basket weave coil mandrel. The secret life of detectors is revealed in John Davidson's seminal article presented here with parts 1 and 2.

Electronics basics as you work through the book.

A DIY guide to designing and building transistor radios Create sophisticated transistor radios that are inexpensive yet highly efficient. *Build Your Own Transistor Radios: A Hobbyist's Guide to High-Performance and Low-Powered Radio Circuits* offers complete projects with detailed schematics and insights on how the radios were designed. Learn how to choose components, construct the different types of radios, and troubleshoot your work. Digging deeper, this practical resource shows you how to engineer innovative devices by experimenting with and radically improving existing designs. *Build Your Own Transistor Radios* covers: Calibration tools and test generators TRF, regenerative, and reflex radios

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Basic and advanced superheterodyne radios Coil-less and software-defined radios Transistor and differential-pair oscillators Filter and amplifier design techniques Sampling theory and sampling mixers In-phase, quadrature, and AM broadcast signals Resonant, detector, and AVC circuits Image rejection and noise analysis methods This is the perfect guide for electronics hobbyists and students who want to delve deeper into the topic of radio. Make Great Stuff! TAB, an imprint of McGraw-Hill Professional, is a leading publisher of DIY technology books for makers, hackers, and electronics hobbyists.

Foxhole Radio is the story of one of the more remarkable pieces of WWII soldier improvisation, a simple crystal radio receiver that used a razor blade for its detector. It is not remarkable for its technology - other radios worked better - but because hidden in its unglamorous amalgamation of scrounged parts is the history of army radio, morale, solid state electronics, field fortifications, and even military grooming. To distract himself for a while from the monotony of sitting in a foxhole and from the sporadic shelling by the enemy, a soldier on the Anzio beachhead made the first foxhole radio to listen to whatever stations might be in range. With no crystal nor cat whisker, he substituted what was on hand, a razor blade and a safety pin. It spread, by word of mouth mostly, across the beachhead, Europe and to the Pacific. Adopted by civilian radio enthusiasts, it became part of the lore of home experimenters and grade school science projects. More than a curious artifact of wartime improvisation, the foxhole radio reveals the story of the military's role in the radio development, and an intertwined tale of army shaving, corporate intrigue, and the evolution of the radio wave detector that led to the first solid state electronics. Foxhole Radio follows the history of army radio from the first experiments in the

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1890s, to its coming of age during WWI, and its use for propaganda and morale during WWII. The razor and safety pin detector reveal a conflation of standard, archaic and folk radio wave detectors, the persistence of lore, and the army's battle with facial hair. The name "foxhole radio" itself tells of early field fortifications, words borrowed from across the lines, and the evolution of military jargon. Most importantly, Foxhole Radio tells the stories of the veterans who built these sets, how they built them, what they listened to, and their everyday realities. Though separated by thousands of miles with very different experiences, they were all united by a strange little radio and their desire to hear music and news from home.

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