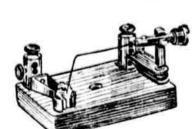


Here are the best types of stands for using a crystal detector. There are many different makers specialare many different many their ad-izing in these types and their adcompanying articles



Some Points on Crystal Detectors

It is a perfectly ear thing to sit ing up the crystal into three or four to make a complete receiving set for a dollar. I have been much amused at a number of such articles I have seen and particularly at the ingenious devices evolved to take the place of the usual crystal detector stand. Most of these devices simply use a twisted wire to make the contact with the crystal and you are directed to find the sensitive spot with it.

Instead of telling you to find the large of excellent detectors in the place of one, even though these detectors were smaller.

If you do this you may be puzzled as to how to mount these small pieces in the detector stand. This is quite of tinfoil from a pack of cigarettes that and you are directed to find the sensitive spot with it.

Instead of telling you to find the

Instead of telling you to find the I once got excellent results from an sensitive spot they ought to dare you experiment I tried with four or five to find it. These things are all right rices of galena upon which I could for the experienced amateur who not find a single sensitive spot. One knows exactly where and how to locate of these pieces was mounted in controuble in his set, but there is nothing position in the usual cup se I simply that gives the average hostions may make the control of the second of the seco that gives the average beginner more melted the composition away with my bother than finding—and, keeping—a soldering blow-torch, replaced the cupty sensitive spot on his piece of mineral, cup on the stand, ground up all of the It is astonishing the number of dif-supposedly dead crystals into a fairly It is astonishing the number of different types of crystal holders that have fore powder and filled the cup with it. appeared on the market since this radio broadcasting craze began. I think I must have personally tested fifty of them and these tests have convinced me that the only type for one who is not skilled in radio is some such apparatus as shown in the illustration. There are many trakes on the market.

And this search for a sensitive spot leads me to one other phase of the crystal detector which does not amuse.

this reason, all devices which have a through the other with no result.

spring pressure are bad and those which Late the next afternoon I heard then

troubles finding it again.

I have had a number of places of taut messages by my wild calling every galena which that this peculiarity and I have found that, in nine cases out of ten, scraping the surface quite deeply with a knife blade would uncover many more sensitive successand were break.

There are many makes on the market crystal detector which does not amuse this general principle and the me but fairly makes me furious. This choice may well be left to the one is the failure of beginners to use buzzer which the purchaser feels fits his hand testers. It reminds me of my first which the purchaser feels fits his hand the best.

This style of stand holds the crystal in a cup or clamp on the base, attached to one binding post. The catwhisker wire is bent at right angles and is mounted upon a ball and socket foint or a pair of swivels or gimbals or some such arrangement to give it absolutely free play in all directions.

The advantage this type of stand has over all others is due to the fact that a difference of pressure almost of the weight of a feather applied to the catwhisker on the detector will cause a vastly great difference in the clearness and strength of the signals. For this reason, all devices which have a

spring pressure are had and those which depend upon a screw and thread are undesirable because, the moment you go to screw in or out, you are almost restricted to take the end of the earwhisker off the sensitive spot and you may have a heap of trouble finding it again.

And this leads me to another point about galena which does not seem to be generally understood by beginners. This is the fact that, while a piece of galena may be a very fine detector, it may have all of this ability stored in one particular spot no bigger than applicable finding it may have all of this ability stored in one particular spot no bigger than applicable finding it surface. Once you get your catwhisker away from this ting efficient spot you may have your own troubles finding it again.

I have had a number of pleeces of the mand that a spring the efficient spot your may have your own troubles finding it again.

I have had a number of pleeces of the mand the mand the mext afternoon I heard them answer me and tell me to go shead. I show message, got my then deed I heard them answer me and tell me to go shead. I show my message, got my then deed I heard them answer me and tell me to go shead. I show my message, got my thand them answer me and tell me to go shead. I show my message, got my thand them answer me and tell me to go shead. I show my message, got my thand them answer me and tell me to go shead. I show my message, got my mand them answer me and tell me to go shead. I show my message, got my mand them answer me and tell me to go shead. I show my message, got my mand tell me to go shead. I show my message, got my mand them answer me and tell me to go shead. I show my message, got my message, got my mand them answer me and tell me to go shead. I show my message, got my message, got my mand them answer me and tell me to go shead. I show my message, got my message, got my message, got my mand them answer me and tell me to go shead. I show my message, got my message, got my receipt and rushed up to the "log of the mand."

I got it thr

sensitive spots and even break. Copyright, 1922, by Pul

PRISON POET EXECUTED: SAYS SPIRIT WILL RETURN

Was Oldest Man Ever Legally Put to Death in New York

Ossining, N. Y., June 30 .- Michael Rossi, the aged poet of the deathhouse, was put to death in Sing Sing Prison late last night for killing Anthony Orlando in Tuckahoe, N. Y., in 1919.
Rossi was sixty-five years old.
During his imprisonment of twenty-

INDIGNITY IN HAITI ALLEGED

Missionary Asks \$100,000 of U. S.

for Arrest by Marines Washington, June 30 .- One hundred thousand dollars "reparation" for al-leged cruelties and indignities suffered at the hands of United States Marines at the hands of United States Marines and local military authorities in Haiti is asked by the Rev. L. Ten Evans. of Wyoming. Pa., former Baptist field missionary and superintendent in Haiti, in a petition filed with the State Department and brought to the attention of members of Congress.

Senator Pepper and members of the

Pennsylvania congressional delegation, including Representatives Coughlin and Kelly, have been requested by Dr. Evans and church officials to press the

Boy Bitten by Dog

Jeffery Powers, thirteen years old, of 121 Sibley avenue, Ardmore, was severely bitten in the leg by a dog yesterday in a yard near Glen and Wister roads, Ardmore. The boy was selling tickets for the Lower Merion is generally benefit. A woman called fire company's benefit. A woman called the dog after he bit the boy and said the animal was thirteen years old and never had liked children. The boy was treated by Dr. Samuel Sturgis.

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Receiver of Taxes W. Freeland Kendrick drew loud applause last night from 300 guests attending a dinner at the Adelphia Hotel in honor of Mrs.

During his imprisonment of twentysix months Rossi wrote many poems
and kept up a regular correspondence
with his wife. In a letter nailed to
her Wednesday night he said: "I'm
going to be transferred from here, and
when I get to my new destination I
will communicate with you. So you
need not go to the trouble of coming
here to me on my last day."

He had made several appeals to Governor Miller to commute his sentence,
and yesterday afternoon told a keeper
that he shot Otlando in self-defense. He
was the oldest man ever executed in

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Jake Nyears Official

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Don't miss the beginning of "A Ticket for Adventure," a thrilling mystery serial by George Weston. Besides these there are pages of new summer styles; scores of hot-weather recipes; vital, compelling articles; clean, vivid stories—more than 30 fact and fiction features in the big July issue of

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