



Hook-ups for the Detector-Amplifier Unit 2. A Reflex Receiver

should be put between "S-1" and

I'll not stop even one, two, three,"

The average detector "unit" is fine sions in previous articles, you can until you come to some circuit like find them in yesterday's issue. the reflex, when you suddenly discov- A new piece of apparatus is the er that the hookup can only be made r.f. transformer, made up of a priby disconnecting something or other mary "P-1" and a secondary "S-1." in a place where you had put nice "S-1" is just another of our standard ed forward to with interest. right-angle bends in the wiring, used secondaries. "P-1" is wound over spaghetti, and shown all the other "S-1" and consists of 20 turns of No. evidences of a "permanent" installa- 22 d.s.c. wire. A layer of paper

It was to provide for this very "P-1." contingency that we included a fixed. The audio transformer is any low condenser in the grid-return circuit of ratio instrument, as, as shown, has the detector tube, and brought out its secondary connected to posts 5 connections from the two sides of this and 6 on the unit. "C" is a .001 mfd. In to-day's circuit we use them.

The hook-up is shown at the head function as an amplifier, instead of Daily Chronicle. of the column, and really isn't as a detector, it will be necessary to get bad as it looks. The antenna coup- rid of the grid condenser and leak and she has remained under the Red evening:ler consists of our standard primary somehow. The simplest way to do Duster and under her old house-flag and one of the two standard second- this is to connect a wire between the to the end. aries, with the proper size of variable two points marked "X." tondenser for tuning purposes (SC).! When the phones are plugged in

ever, if you have missed the dimen- combination will give good results. Copyright, 1925, by The American Radio Relay League, Inc.

had the chance to mention it, "I must two, three!"

easy chair, he put on his old wedding

stovepipe hat and tying his blue silk

polkadot handkerchief around his

neck, kissed Lady Love and Little

himself. "Goodness me, Little Miss

Mousie will be worried. I should have

telephoned to her. Why did I fall

asleen?" And the anxious old gentle-

man rabbit hopped faster than ever

It was now dark Oh, my ves. Mr.

Happy Sun had long since gone to bed

in the West Country of the Skies and

Mrs. Moon, although doing her best to

light the lonely trail that wound in

and out around the rocks and the

bushes under the tall, leafless trees.

made very little light for the dear old

from a tree gave a mournful toot.

All of a sudden Hooty Tooty Owl

Gracious me! Why does an owl's

voice sound so creepy?" asked the old

gentleman rabbit, half out loud,

thinking, of course, no one would an-

swir him. But to his surprise and

fright, somebody did. Yes siree. Some

one answered right out loud, just like

that, quick as the bills on the first of

"You should be at home by eight.

don't cause me any worry."

Why have you stayed out so late?"

Jack Rabbit goodnight.

through the Shady Forest.

bunny Uncle.

the month.

Little Jack Rabbit

Radiology

(By DR. HAM) When purchasing Radio "B." batteries be guided by the work they have to do and choose the correct size. Heavy duty batteries are more econon ical by far in the long run than smaller sizes, provided you are using five or more tubes. It is also importan to use a "C." battery in the circuits in which the need for a negative grid bias is indicated, or the normal life of the B." batteries will be cut in half.

The tips of your tubes are silvered to prevent corrosion. Dirty tube prongs at it. But it had its compensation will cause rasping or scratchy noises. There were long, pleasant weeks in Be sure of your ground connection This is as important as a good aerial

Running your tubes too high on your radio frequency will cause distortion of speech and music. Your loud-speaker and 'phone cords should run directly away from your receiver. Mount Stewart is near the last of This refers particularly to the neutrodyne, and tends to prevent radio of condition always. But her day has is to see. Not a bad programme for frequency oscillation.

Unless you purchase a reliable make of headphones, the resistance in ohms usually marked on the earpiece is mis- have gone hard with him to bid her leading. It is not resistance that makes good-bye." for efficiency but the actual number of turns of wire in the coils.

Experiments in Radio broadcasting are to be made on the 24th inst., dur ing the total eclipse of the sun. W.G.R. at Buffalo, N.Y., is the only Radio broadcasting station in the shadow path of the great natural marvel, and reports from their station will be look "Keep the Home Tubes Burning."

Jacobson and Evans the Majestic Musical Team — Better than the Best .- - jan22,tf

Last of the Wool Fleet

"So the old Mount Stewart has not reached there. It was supposed condenser to bindings, posts 5 and 6. fixed condenser across the primary. made an end, of her voyagings at that they had taken a boat and landed In order to make the detector tube last!" writes C. Fox Smith in the on Long or Swain Island. The news

one, especially for a steel ship; such impossible to get further until alter-The standard primary and secondary, "J-1," the set is a one-tube reflex. ships have not the lasting qualities ations in same." have been described so often that we When plugged into "J-2" the set is of composites or of iron vessels. She don't believe it will be necessary to of r.f., a crystal detector, and two built 33 years ago by the famous firm give the dope on them again. How- stages of audio amplification . This of Barclay, Curle & Co., which turned returned; couriers at Swan Harbou out so many fine ships for the Aus- safe. Waiting chance get here." tralian wool trade.

"It was said that they would never part with the Mount Stewart. But Better Wives never is a long word. Ships lying idle eat their heads off, and there are no charters for clipper ships nowa-

"The two ships were a last gesture of defiance to the new order of things afloat. The wool fleet had already "Dearest me, is it eight o'clock?" Weasel, his wicked little eyes gleamseen its best days when they left the cried dear Uncle Lucky who had fal- ing under his fur cap. "Stop and have len asleep in the last story before • I a word with me, or I'll catch you, one, be going." and hopping up from the "Though I'm not young as I used to be, shouted the brave old gentleman bunny, and away he went, as fast as he Point the year before the war, and develop as evidenced by irregularities, who should dance around his tomb

And after him went Old Man lived to see the end of her era. Weasel, that hungry old robber, who likes to eat rabbits and mice, and birds staunch and beautiful ships which upon to overcome them. Thousands died long ago is still kept green at and squirrels and everything nice, year by year sailed with general of women testify to its success. Dear me, there goes my typewriter cargo from London to Australia, ran into poetry just at this critical mo- the easting down sometimes as far; Where Anything ment,-which means dangerous, Little south as 55 degrees, took in wool at Reader. One shouldn' t grow poetical Circular Quay or Sandridge Pier and so round the Horn before the stormy westerlies, hard driven by skippers!

> wool sale of the year. might be said to be as the Grand Collier's Weekly. National to the Derby. It needed a "Beebe plans to go there, pick out kept on tap for any released convict

port waiting until the wool came down There were glorious days in the Trades, and singsongs in the dogwatches.

"Ah, well, those days are all done, good and bad alike, and the ships are the first college class ever to go to gone, most of them long ago. The old the tropics for continuous study. them. She has been kept in the pink in truth long been past.

"Captain McColm, her skipper, has anything may happen." commanded her for 20 years. It must



Missing Couriers Safe

Messages received yesterday by the Minister of Posts from the Postmas- the young ladies being the recipients that the men were safe was conveyed were greatly enjoyed. The hundreds "She has stuck it out a long time, in the following message received last

(From Exploits) "Boats returned; found couriers at "Her life has been a fairly long Swan Island. Owing to ice conditions joyable performances ever given in

> (From Lewisporte) "Heard from Exploits. Search boats (Sgd.) MAIL CLERK PENNEY.

and Mothers

The emancipation of women as evi- of woman she was. denced by the evolution in dress from steel stays that made a twenty-inch waist and the long street-sweeping perpetuating their memory. One of stocks. Steamers were cutting into skirts to the sports clothes of the the most picturesque of these memor it, as they had already done into the present day has certainly had its eftea trade, and the East Indian, pas- fect upon the health of women. With in a little Cornish town. A man who twin had a comparatively short a race of better wives and mothers is will for fifty pounds to be divided career. She piled herself up on Bass assured by it. If, however, ailments every fifth year among ten little girls could go, over the little hills of snow. became a total wreck. Her sister has backache, headaches, nervousness for a quarter of an hour and then and irritability, Lydie E. Pinkham's sing "Old Hundredth." 'It was a great era; a time of Vegetable Compound may be depended. The memory of another man who

who knew not the meaning of fear, to plorer, is about to set off for the Sar- Gofer," on certain nights of the year speak the Lizard in time for their gasse Sea, that floating mass of sea- A former convict in Dartmoo cargoes to be entered for the first weed and wreckage which has been a Prison left an annuity to the landlord mystery of the Atlantic ever since of an inn past which the convicts "The wool trade to the tea trade Columbus sailed past it," says used to be driven on their release, on

more powerful ship to stand the con- one spot, anchor a buoy and tie up to who wanted a free drink. stant stress of the easting weather it for a whole month. 'Stay in one Recently, a quaint local character and the Horn greybeards. A wool spot anywhere for a whole month, of Penarth left a bequest to the local cargo always meant a ship inclined to he says, 'and anything may happen.' | council on condition that they discrankiness. If the balance was on the "He has built a special ship for the tributed yearly gifts in his name, wonders of the world is the great time for the engineers and all conunder side it meant purgatory. It was voyage. The ship has what he des- Among other prizes to be offered were Sennar Dam in Upper Egypt, where cerned—the period of the annual Nile hard life, a killing life, for ship and cribes as a front porch, and a runway five pounds for the heaviest pig rais- 126 white men and 19,000 natives are flood. As a result of the heavy Afr man. Only the strongest lasted long outside the hull, down near the water ed in the district, and a similar sum racing against time in an effort to can rains at the sources of the Nil

ter at Exploits, reports the safety of of handsome boxes of chocolates durthe two mail couriers, Jefferson Lacey ing the performance. A comic reciand Geo. Jacobs, who left Exploits on tation by Master Kevin Jardine, the Friday last for Lewisporte, but had Irish Hornpipe, Eight Hand Reels and Jigs and the Club Swinging exhibit-

ions proved attractive specialties and who were unable to gain admittance bler" last night, by the Holy Cross to-night, when the play will be repeated, of witnessing one of the most en-

ine, from which the patient watcher

may closely scan the life on the sur

"This simple technique of staying

n one place is not new to him, He

has followed it for years at his ob-

servation station in British Guiana

Out of the great jungle he has mark-

ed off as his field just one quarter of

one square mile. In that little place

he has found enough to keep him busy

or months at a time, year after year

He has, for example, found 440 species

of hirds-two-thirds as many as there

are in all of North America. He has

Guiana station will be turned over to

a lucky class of graduate students

from the University of Pittsburgh,

"Centinuous study. Staving in one

place till you've seen everything there

anybody in any vocation. Try it, and

of "The Merry Cobbler"

The repetition of "The Merry Cob

bler" las night, by the Holy Cross

Dramtic Troupe was as on the first

performance greeted by a large and

nthusiastic audience. The Merry

Cobbler again charmed the crowd with

to the superb acting of Misses Mollie

Moran and Winona McDonald, both

Repeat Performance

Ask Grandma — She knows.

Whimsical Wills

A famous dancer has decided to eave a plaster cast of her legs to posterity, so that it shall be known to future generations what manner

It is a common thing for people to bestow legacies with the sole idea of senger business. The Mount Stewart's proper attention to diet and exercise died many years ago provided in his

> Newark by ringing the "Gofer Bells." Gofer was a rich merchant who lost his way in Sherwood Forest. The sound of Newark Church bells, guid-May Happen ed him to safety. In gratitude he left a sum of money to the church on con-"William Beebe, the naturalist-ex- dition that the bells were "rung for condition that a barrel of beer was

but Queen Maud Sardines lead the world .- jan23,tf



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The heat here is intense, in times to a day. as much as 125 degrees in the shade; At Khartum the Nile is in flood Queen Maud leads a nation- so hot, indeed, that sick men have to June and at Assuan in August. B be taken down into ice-packed cellars! September the floods have reached to be treated, the clinical thermomet- Cairo, where the waters rise 32 fee er being useless above ground.

The masonary put in to hold back It is these floods that cause the the waters is roughly 450,000 cubic est anxiety to the engineers, and yards, and its total weight a million watch carefully for any signs tons. Every day 2,600 tons of mason- weakness, although if disaster set ry are added to the structure.

Once a year there comes an exciting to the boys and girls who could best harness the waters of the Blue Nile. the river becomes swollen and rise recite the terms of his will. The The agricultural possibilities of the considerably. The floods are so recouncil, however, refused to accept great Libyan Desert are tremendous. gular that they can be fixed almost

above normal at Kast-el-Nil Bridge

ttle could be done to avert it.

The woman who wash with Pearline saves time an rouble,_oct13,m,tf

TWENTY DEGREES .- The meter at the Valley Nurseries tht registered twenty degrees

To-night and every Wedn y and Saturday afternoon son and Evans.—

aind a pile of rocks popped Old Man pened after that. Shipping

S.S. Savannah leaves Glasgow on ruary 10th, for this port.

premises yesterday where she will ler, Miss H. Rogerson, Miss M. Rogfirsh discharging her coal cargo after erson, Mrs. W. H. Herder, Col. R. G. Ross, Miss F. Mackinson, E. J. Ldtz, which she will likely load fish for the

S.S. Julius Holmblad arrived early W. F. Coaker, A. Bailey, Mr. Wilson, yesterday moralize from Port Union J. Spencer, F. T. Shirley. with a part cargo of fish and will fin ish unloading here from various ship pers, for the Mediterranean. She will take altogether over 30,000 quintals.

Schr. Annie L. Warren, which arrived a few days ago from Hr. Grace, where she landed a cargo of coa will go on dock shortly for repairs.

Passengers by Digby

with danger near. No indeedy. Onc

"Dear, dear, dearest me!" cried

should be very prosy and composed.

dear Uncle Lucky, "Why did I stay out

a sudden he caught one of dear Uncle

Well, don't hinder me now by ques- so late," and again he made his legs

tions," answered plucky Uncle Lucky go faster than before and twice as

taking a hop and a skip or two side- fast behind. But Old Man Weasel was

ways and almost bumping into a tree. fleet of foot, and kept gaining on the

"Don't you see I'm in a hurry? Please poor old gentleman bunny until all of

"I'll promise nothing of the sort," Lucky's flying coat-tails. And in the

gaswe cd the voice, and out from be- next story you shall hear what hap-

The following are passengers by February 7th, and Liverpool on Feb. S.S. Digby, for Halifax and Boston: Miss M. F. Whalen, Mrs. R. J. Mur-S.S Andora hauled up to Franklin's phy, Miss R. Murphy, Miss V. J. But-A. Pike, G. Jones, E. D. Elliott. Sir





Relieve That







PURE Washing

m Johnso iprising of Senate o he introdu the State the text of mhassadors Col. James

n repara this pact t ald appear

lew York s

WE AGE EXE(

HOSE plac