Thursday, September 4, 1924



A Simple Crystal Receiver

BY R. M. SHERRILL

(Radio Engineer

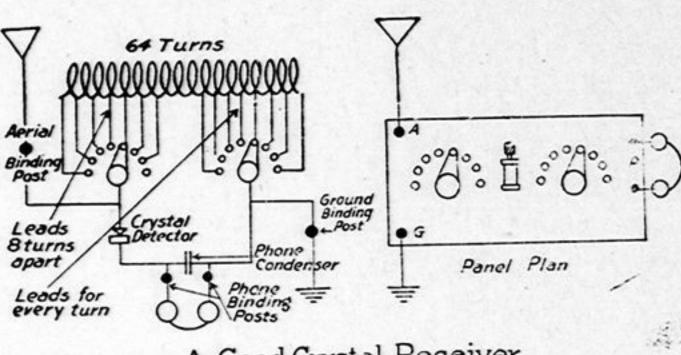
While the radio receiver using a few hours. Such a receiver, with a crystal detector, will not give very fair antenna, will-under favorable great volume, the quality of the conditions-give good reception on voice and the music received cannot stations up to fifty miles distant. be excelled by the best tube sets The total costs of the parts should music, the notes matching perfectly Aljoe-McGrath: That commission ship to furnish the steel. made. For this reason the crystal not exceed seven or eight dollars.

receiver is again becoming popular. It is the ideal receiver for the novice to construct as most of the parts employed may be used over again if the builder should decide to construct a larger outfit. Also there are several ways, which will be described later, in which a tube amplifier may be added to the present crystal set.

The following is a description of an efficient but inexpensive crystal receiving set, which anyone with a small outlay of tools can build in a

Parts Needed

The parts needed, and the app	roxi
mate costs are given below:	
4 Binding Posts8	0.40
2 Switch Levers	70
16 Switch Points	.48.
1 Crystal Detector	1.25
1 Pair Head Phones	3.00
1 .002 Mfd. Condenser	40
(Fixed Phone Condenser)	
1 Rubber Panel (7x9)	.90
1/2 lb. No. 22 DCC	
Copper Wire	40



A Good Crystal Receiver

replaced by a piece of dry card- shown in the diagram. board tubing for the coil about 31/2 inches in diameter and five inches long and give it a thin coat of shel- In using the set for the first time. coat of shellac and allow it to dry over the tape. Also adjust the the thoroughly.

six inches long soldered on. These wave length.

The rubber panel may safely be leads go to the switch points

How To Operate Set

lac. Wind the wire evenly on the connect the aerial and ground wires tube stopping at the sixty-fourth and listen in while slowly moving turn. Next give the winding a thin the left switch lever back and forth contact on the crystal detector Starting from the left end of the occassionally. As soon as any signals winding, raise up with a knife or at all are heard, leave everything screw driver, a hump in every else alone while the detector is eighth turn. Do this for fifty-six adjusted to give the loudest res-Next start at the right end ponse in the head phones. Then go and do the same thing for eight back to the switch levers for tuning. These last eight humps | In tuning the left switch constishould be slightly straggered to tutes a coarse adjustment, and the allow more working room. The right switch a fine adjustment. insulation may then be scraped off Turning either of the switch knobs of these humps and wire leads about outward from the center raises the

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RADIO QUESTIONS AND ANSWERS

C. S. H. of South Bend, Ind. asks: "Is it necessary to use fibre or bakelite tubes for winding radio

laced is just as good as any form of stop entirely. tubing for radio work.

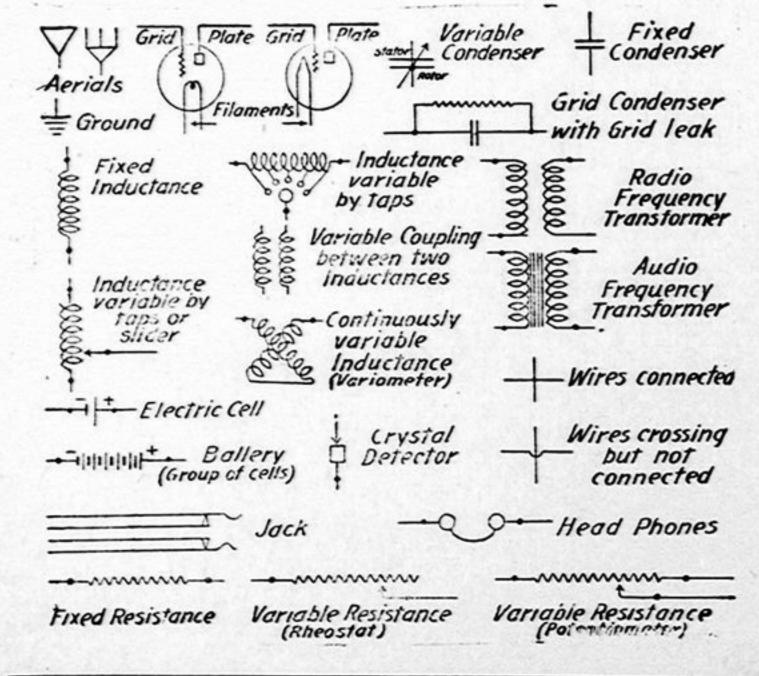
my second stage of A. F. amplifi- remedied by putting a sheet of brass cation. What can I do to stop it?" in back of your panel. The shield due to some kind of feedback. Some going through the panel and should times it may be stopped by merely be grounded.

Mr Sherrill will be glad to help turning down the filament on the you solve your radio problems, last tube. Turning the last ampli-Write him in care of The Durham fying transformer 90 degrees will often cure the howling. It may be necessary to replace one of the amplifying transformers.

R. H. L. complains that when he takes his hands away from the dials on his single tube regenerative set. Ans.—A thin cardboad tube which the signals change and sometimes

the capacity effect which your mystery. The tune seems not to P. E. K. says: "My set howls like hands have on the tuning of the have been handed down with the the dickens' whenever I try to use receiver. This trouble may be words. Ans .- Your trouble is probably should be cut away for the parts

Radio Symbols



SMALLER PEACH CROP

sula Growers' Co-Operative at late peaches come on. Grimsby. "Some time ago," said Manager C. W. Baxter, "we hoped for a fifty per cent. crop, but now we The colored chauffeur of a Southconsider from thirty-five to forty ern family which attends the Epis- tween the Lady Scott version and per cent. a more accurate figure. copal church was asked by his the one sung today is the last line Last year's crop was a fairly heavy mistress one Sunday morning to come of each verse. The modern version one and at blossom time this spring, in to the service instead of waiting has it. "I'd lay me down and die," we had cold, windy weather that outside. He did so. kept the bees away from the blossoms. The St. John's early Crawford's and late Crawfords will be almost a failure this year." The Elbertas make up the bulk of the "That ain't no church foh me. Dey

per cent. figure already mentioned Peaches in the Niagara district Some of the early white-"leshed will be less than half a crop this varieties are moving to market, but year, according to the latest esti- once these early varieties are finishmate made by the Niagara Penin- ed there will be a blank until the

No Church For Him

Jim?" she enquired afterward. "Not much, missus," replied Jim. Niagara peach crop and these will wastes too much time readin' the run around the thirty-five to forty minutes ob the previous meetin'."

FOREMOST LOVE SONG

Douglas Over Two Centuries Ago. protested vigourously against the Brodie-McGrath: That the town--First Printed in 1824.-Original change in the last line it passed into ship rate for 1924 be 6 mills on the "Annie Laurie" Parted From Her common use. Sweetheart.

what is admittedly the most famous has held its place as one of the personal love song ever written.

If "Annie Laurie" is not the best known of all songs it is close to it. 1900, in her ninetieth year. There must be very few persons in the English-speaking world who have not heard it and loved it. There is something about it that

clutches at one's heart. It stirs the Minutes of last meeting read and blood, too, when a military band swells into the strains which match approved. "And for bonnie Annie Laurie

"I'd lay me down and die." The music is perfectly matched to Ward 1, \$96.50; Ward 2, \$165.40; 1923, \$15.00. Carried. the sentiment. Composers say that Ward 3, \$272.95; Ward 4, \$295.35. Come Back Again," is the most ordered on motion of Aljoe-Mc- arched bridge at lot 17, concession marvellous blending of words to Grath. the sentiment of the words that we on expenditure be paid as follows: | Council adjourned to Saturday, have in English. "Annie Laurie" is Ward 1, A. A. Aljoe, \$8.00; Ward 2, September 6.

"Annie Laurie" was first printed Black, \$32.00; Ward 4, T. J. Brodie, in July, 1824. As a song it was in \$24.00. Carried. existence long before. It is just Aljoe-Black: That gravel acwhat it purports to be-a tender counts be paid as follows: Myles love song by an ardent swain to his Darcy, 40 yards, \$4.00; F. Meagher, sweetheart.

close to it in perfection.

Annie Was a Living Person.

There was an Annie Laurie in real yards, \$4.30; Bert Coffey, 23 yards, There was an Annie Laurie in real varies, \$4.50, Bert contest, 25 june 1, 25 june 2, 25 ton, Scotland, and was a noted lor, \$6.60; James Crutchley, \$2.60;

The song was written by William Wilson, \$5.00; John McKechnie, Douglas of Fingland, Scotland, about \$7.20; A. Anderson, \$10.90; M. Wilthe year 1700, when Annie Laurie son, \$4.00; N. Norris, \$.330; William was eighteen and Captain Douglas Jack, \$3.50; N. McIntyre, \$6.00; W. H. was twenty-eight. Captain Doug- Patterson, \$9.70; J. MacCarthy, \$14.70; las was a soldier of fortune and had Charles Weppler, \$3.40; Michael just come back from the Continental Burke, \$7.40. Carried. wars when he met Annie Laurie. So far as is known Captain Doug- bonus be paid as follows: Den Ryan.

as wrote no other song. It would complete the romantic James Murphy, lot 13, concession 8; story if it could be told that bonnie 40 rods, \$10.00; George Binnie, 78 Annie Laurie and Captain Douglas married and lived happily ever after Unfortunately, however, they had a lover's quarrel which parted them. It may have been out of pique, for bars for bridge, (12970 pounds) immediately after the guarrel Captain Douglas married Elizabeth Clerk

of Edinburgh.

Four years later Annie Laurie Anderson bridge lot 16, concession of 5), when report comes from the married Alexander Ferguson Craigdarroch, Scotland. She died in 1764 at the age of eighty-two.

Probably Annie Laurie died without even a dream that her name, centuries after, would be sung from one end of the world to the other love story quicken the hearts of lovers everywhere.

Captain Douglas never published the song and it was handed down by word of mouth. In its original form it was only two verses as follows:

ANNIE LAURIE

"Maxwelton banks are bonnie, Whare early fa's the dew: Whare me and Annie Laurie Made up the promise true; Made up the promise true, And never forget will I. And for bonnie Annie Laurie I'd lay down my head and die.

"She's backit like a peacock. She's breastit like a swan. She's jimp about the middle, Her waist ye weill may span; Her waist ye weill may span; And she has a rolling eye. And for bonnie Annie Laurie I'd lay down my head and die."

To what tune "Annie Laurie" in Ans.—This phenomena is due to the original version was sung is a

Alicia Spottiswood's Tune

The music of "Annie Laurie" as we know it. was composed by Alicia Anne Spottiswood, afterwards Lady John Scott, a daughter of one of the most ancient families of Scotland. Lady John Scott ran across the Douglas verses just at the time she had composed a melody for an old Scottish ballad, "Kempie Kaye," she saw that her melody was perfectly adapted for "Annie Laurie" so she revised the Douglas verses slightly and added a third verse. The work was so well done that many good 4 judges think the third verse the best of the three.

Here is "Annie Laurie" as Lady John Scott rewrote it and as it really should be sung today:

Annie Laurie

"Maxwelton's braes are bonnie Where early fa's the dew. And it's there that Annie Laurie Gie'd me her promise true, Gie'd me her promise true, And ne'er fergot will be. And for bonnie Annie Laurie I'd lay down my head and dee!

"Her brow is like the snawdrift, Her throat is like the swan, Her face it is the bonniest That e'er the sun shone on. That e'er the sun shone on, And dark blue is her e'e, And for bonnie Annie Laurie I'd lay down my head and dee!

"Like dew on the gowan lying Is the fa' o' her fairy feet. And like 'vinds in summer sighing, Her voice is low and sweet. Her voice is low and sweet, And she's a' the world to me. And for bonnie Annie Laurie I'd lay down my head and dee!"

The one striking difference beinstead of as both Douglas and Lady "How did you like the service Scott had it, "I'd lay down my head !

Adopted by the Soldiers

This change occurred in a pirated edition of Lady Scott's songs in 1829,

five years after she published "An-100 YEARS OLD THIS YEAR nie Laurie." Curiously enough the treasurer be given authority to squander their night hours. pirated version gained greater cur- borrow \$2000.00 to pay for new 'Annie Laurie" Written by William rency than her own, and though she bridge. Carried.

GLENELG COUNCIL

August 2. Members all present

Met in the Township Hall, on

Commissioners of the various

J. McGrath, \$20.00; Ward 3, M.

101 yards, \$10.10; Jas Lawrence.

Black-Brodie: That wire fence

40 rods, lot 13, concession 9, \$10.00;

rods, lots 19 and 20, concession

Brodie—Black: That the C. P. I

Company be paid freight on stee

Black-Brodie: That the Treasurer

be instructed to pay for steel for

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ciate the confidence that the

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accordingly.

as the shrewdest buyer.

N. D. R. \$19.50. Carried.

Engineer. Carried.

amounting to \$47.34. Carried.

diture on roads as follows:

dollar. Carried. "Annie Laurie" was first widely Black-McGrath: That the Pricesung during the Crimean War, when ville Police Trustees be paid \$48.43 One hundred years ago this sum- it was adopted as the song of the for work performed on road in mer saw the first publication of soldiers. From that time to this it village. Carried. great songs of the world.

Lady John Scott died as late as

work performed by Hector McEach- thing to sell a Small Ad. may bring Aljoe-Black: That Thomas Glen- anything, let the public know about cross be paid \$70.00 for seven sheep it in The Chronicle. An outlay of a

thur be paid \$3.00 for two inspect trouble and make you a lot of doltions. Carried.

The council decided to accept Mr. the old Scotch song, "Will Ye No The report was adopted and payment Keves' offer to build a cement

H. H. McDonald, Clerk

It's all work and no play with lots

And the gloomiest grouch gener-35 yards, \$3.50; W. R. Watson, 46 ally keeps right on living in the

George Scheurman, \$4.50; Robert

Why take a chance and use water that is polluted and unfit for domestic use, when Pure Water can be had by having a well drilled. We handle Pumps and Pump Re-

Satisfaction Guaranteed ED. J. PRATT

R.R. No. 4, Durham.

Brodie-Black: That the reeve and

Al oe-Black: That John McGrath be allowed to refund to the treasurer Ads. too late for classification will \$1.40 being in account for winter be found on page 5. If you have any-

killed by dogs and that Colin McAr- few cents may save you a lot of

Aljoe-McGrath: That the clerk be paid as follows, on salary, \$50.00; wards presented reports of expen- for making report to government re expenditure on twonship roads in

5. Contract price \$2000.00, the town-

of would-be dramatists.—Atlanta

yards, \$4.60; Robert McFadden, 43 place he knocks.

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Shoes of all kinds for everybody. Shoes for School Boys and Girls. Men's work shoes that will keep the feet dry. Now is

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the time to get your work shoes.

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Advertisements under this headir CASH WITH ORDER; six consecutive of four. Telephone calls treated as c Saturday night of week ordered. Mir 25 cents. On all charge orders a stra

will be made each insertion, minimu

Medical Directory.

DRS. JAMIESON & JAMIESON

Office and residence a short distance east of the Hahn House on Lambton Street, Lower Town, Durham. Office hours 2 to 5 p.m., 7 to 8 p.m. (except Sundays).

J. L. SMITH, M. B., M. C. P. S. O.

Office and residence, corner of

Countess and Lambton Streets, opposite old Post Office. Office hours 9 to 11 a.m., 1.30 to 4 p.m., 7 to 9 p.m. (Sundays and Thursday afternoons excepted).

DR. A. M. BELL Office on Lambton Street (the late

Dr. Hutton's office). Office hours. 2 to 5 p.m., 7 to 9 p.m., except Sun-DR. BURT.

Late Assistant Royal London Opthalmic Hospital, England, and to Golden Square Throat and Nose Hospital. Specialist: Eye, Ear, Throat and Nose. Office: 13 Frost Street, Owen Sound.

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Dental Directory

DR. W. C. PICKERING, DENTIST Office, over J. & J. Hunter's store, Durham, Ontario. J. F. GRANT, D. D. S., L. D. S.

Honor Graduate University of Torento, Graduate Royal College Dental Surgeons of Ontario. Dentistry in M all its branches. Office, over D. C. Town's Jewellery Store.

Legal Directory

MIDDLEBRO', SPEREMAN & MIDDLEBRO' Barristers, Solicitors, Etc. Successors to A. B. Currey. Mr. C. C. Middlebro' is permanently

located at Durham Office. LUCAS & HENRY

ber of the firm will be in Durham on W Tuesday of each week. Appointments may be made with the Clerk in the tu office.

Barristers, Solicitors, etc. A mem-

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ALEX. MacDONALD

Licensed Auctioneer for Co. of Grey. Moderate terms. Arrangements for sales, as to dates, etc., may be made at The Chronicle Office, Durham. Terms on application. Ad- w dress R. R. 1, Durham. 2 14 6mpd

FARMS FOR SALE

LOT 7, CON. 21, EGREMONT, CONtaining 100 acres; 85 acres under s cultivation, balance hardwood bush; H convenient to school; on the prem- = ises are a frame barn 42x65 ft. with stone foundation; concrete stables: also hav barn 30x50 with stone basement; hog pen 20x40; twelve-room brick house, furnace heated, also frame woodshed; drilled well close to house, with windmill; concrete = water tanks; 30 acres seeded to hav 10 acres to sweet clover; this farm is well fenced and in a good state of \ cultivation. For information apply | B to Watson's Dairy, R.R. 4, Durham.

NORTH PART LOTS 7 AND 8, CON. 22. Egremont, containing 66 acres; 55 acres cleared, balance hardwood B bush; in good state of cultivation; s frame barn 44x50, stone basement, k concrete stables; drilled well and a cement tank at barn. Also Lots 6 h and 7, Con. 4, S.D.R., Glenelg, con- di taining 110 acres; 100 acres cleared g and in good state of cultivation; on on the premises are a brick house conframe woodshed attached; drilled well at door; never failing springs on this farm, making a choice stock farm. This property will be sold D right to quick purchaser. For particulars apply at Watson's Dairy, R.R. 4, Durham, Ont.

COMING EVENTS

FIRST AID AND HOME NURSING COURSE.—Zion Women's will hold a First Aid and Home Nursing Course at the home of Mrs. M. J. Davis, commencing at 2 o'clock September 15. It is most important that all should attend the first meeting. Miss Ruth Pirl. R.N. have charge of the meeting.

All Our Graduates

have been placed to date and still there are calls for more. Get your course NOW. If you do not get it you pay for it anyway in smaller earnings and lost opportunities.

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