Thursday, February 19, 1925.



Trouble Shooting

By R. M. SHERRILL (Radio Engineer)

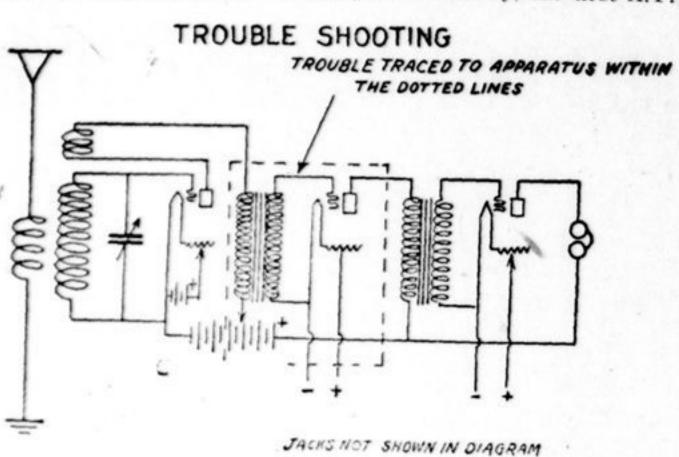
When something happens to your radio receiver and went to the Union Station where we checked our grips. We had three hours to wait, and spent the time at the trip was better than any medal your usual procedure in an attempt to find and overcome a vaudeville show. Then after a light lanch in Walker's Cafeteria was the trouble? Do you feel at a loss to know just where to got on the train about 10.30. I had and schoolmates once more.

Radio receivers operate on certain sitions. In the last stage and the ciples. When a set does not work just audible, but when the phones properly, one or more of these prin- were plugged into the detector cir- quite long. ciples are being violated. In other cuit, the signals were of normal words, when it does not work, there strength. Thus the trouble was lois a good reason for it, and that cated roughly, as being somewhere reason may always be found by a between the detector and the last careful and systematic search.

The usual procedure is to isolate

fundamental radio and electric prin- one preceding it, the signals were stage of the A. F. amplifier.

Furthermore, since there was no the trouble, by general testing, to a response from the first stagejack, particular part of the circuit. The none should be expected from the exact trouble may then be found by second, and the probability was that special tests concentrated on the ap- the second stage was all right. Thus, paratus in that particular part. | the trouble was traced in short time The most likely parts of the re- to a particular part of the receiver ceiver to give trouble are the bat- (enclosed in dotted lines in the diateries and vacuum tubes. There- gram) namely, the first A. F. ampli-



showed them to be in good shape.

Trouble Isolated

spection of these parts will often is a comparatively small part of the was read first in English and then will recommend to the association save a lot of further investigation. Whole receiving circuit, all of the in French, and it spoke of Reform that the matter be taken up with The batteries may be most easily connections may be easily traced, of the Senate, Freight Rates on both the Ontario Government with a view checked by meters. The vacuum and if necessary, each piece of ap- land and sea, Immigration, Railway to having legislation passed requir-

Signals from this receiver had been part of the circuit. The testing of companied by the Prime Minister.

shooting will be found far more effective than the haphazard testing tock. We were asked to lead the Tests were then made with the of various pieces of apparatus head phones plugged in various po- throughout the whole circuit.

(Copyright, 1924, by The Bonnet-Brown Corporation, Chicago)

RADIO QUESTIONS AND ANSWERS

Mr. Sherrill will be glad to help you solve your radio problems. Write him, care of The Durham Chronicle.

runed?"

just "sulphated" and that continued oscillate so easily. charging will put them in shape

tube Harkness Reflex set which the larger ones any better.?" gives good results except on the Ans,-Yes. Although the voltage the tubes from oscillating on these larger ones will last longer.

Ans.—It may be that the plates are flex transformer, the tube will not the movies afterwards. S. T. P. writes: "I notice that some

of the 221/2 volt B batteries are con-M. L. T. says: "I am using a two siderably larger than others. Are

short wavelengths. I cannot keep of the two sizes is the same, the

The Boy Scouts' Column

EDITED BY GREEN PLUME

Weekly Meeting

tinued his instruction in first aid, hill to show tht we haven't forgotten bed early. and reviewed the ground covered him. during the past few months in this phase of scout training. The Troop PALMERSTON TO CELEBRATE has gained quite a wide knowledge of this important aspect of Scout work. They are prepared to resuscitate drowning persons, give erston has brought to light the fact and afterwards to church. poisoning, frost-bite, snake-bit; and niversary of Palmerston's incorporthat may arise. It certainly is possession the original minutes of liament Buildings about 9.30, and

A Scout Is Courteous

This is the fifth of the Scout laws. A Scout must not be impertinent with his parents or teachers. It shows that he is ignorant of the rules of etiquette for one thing, and gives strangers a very poor impres-

sion of a fellow. Another way of word puzzles with the member for looking at it, is that it is much Victoria Haliburton until bed time. more pleasant for himself and others, if he is polite, courteous and kind; rather than rude, rough and law, but it helps a lot if you keep it

Patrol Leader Ill

Patrol Leader George (Slippery) The regular weekly meeting of the Hay of the Owls is quite seriously two members, Miss Macphail and I back as four thousand years, sur-First Durham Troop was held last ill with 'flu. He has been ill for went to Fairy Lake to see the ski- geons operated for what we now Tuesday night. There was almost some time, and the Troop miss his ing. We walked and walked, it call appendicitis. And even in those a full turn-out of the Troop. The smiling countenance from their seemed to me about five miles, but forgotten days, although the opera-Scoutmaster tried out the program meetings. We all hope that Slipthe high jumping was worth the eftion was successful, the patient died. advocated by the Provincial Scout pery will be around again shortly, fort. We went to Mr. Woodsworth's Council, and it kept things lively and, as many of the fellows as pos- for tea, and I had a good time playduring the evening. Dr. Bell con-sible, should make a trip up the ing with the children. We went to

Town Clerk Seth Mathers of Palm- In the afternoon we went to a tea, first aid in the case of fractures, that the year 1925 is the fiftieth anin a number of other emergencies ation as a town, and has now in his On Monday, we came to the Parabout the most useful part of the the first Town Council meeting, held Miss Macphail worked for a while, on January 20, 1875. There is a and I wrote a letter to the girls and strong feeling that the semi-centen-ary of the town's incorporation me. I met the Hon. George. P. should not go unmarked. The Coun- Graham, Hon. Mr. Macdonald, Hon.

WITH MISS MACPHAIL

Maxine Lyons of Markdale Writes
Diary of Interesting Days on a
Visit to the Nation's Capital as a
Prize in Contest.

It was raining, and the streets
were terribly slushy. I went home
about nine o'clock. We had a good
time playing games.

Tuesday Feb.

Miss Maxine Lyons, daughter of the trip to Ottawa to see the opening of the Federal House of Com-

Wednesday, February 4th

it was quite an experience, but I

think I must have been excited and

Thursday, February 5th We arrived in the Central Station, Ottawa, shortly before eight o'clock and went direct to Miss Macphail's apartment, where, after breakfast, we rested and got ready for the opening in the afternoon. We went to the Parliament Buildings about two o'clock. I liked Miss Macphail's by the Ontario Hydro-Electric Comof Commons' Chamber, the Library and a few other principal rooms, I ware Association, which opened a was given a seat on the floor of the four-days' convention at the King Senate. Already many ladies in Edward Hotel on Monday. formal evening dress were in their places, and they kept coming con- Ontario Hydro, backed by the money tinually until three o'clock. It was of the province, is selling almost a brilliant spectacle, much more every conceivable electrical appliwonderful than I thought it ance to householders through a province-wide chain of stores in province-wide chain of stores in the motorial works and the province-wide chain of stores in the motorial with province and the province with the motorial works. was packed with people, as was al- direct competition with the retail so the galleries. Lady Byng arrived hardware merchants, a large part of gowned in wine colored lace with whose business had been centred on court train, and on her head a dia- the handling of electrical goods. mond tiara in maple leaf design. As The chief cause of complaint, howsoon as Lord Byng's party were ever, is contained in the allegation seated, the Gentleman Usher of the that the Hydro stores are entirely Black Rod was sent to summon the exempt from the business tax which members of Parliament from the the retail hardware men of the prov-Chamber to hear Lord Byng read the ince have to contend with and that Speech from the Throne, which is freed of this burden, the Hydro sysreally a Government's plan of work tem is enabled to undersell them for the session. All the members and reap a profit at the expense of stood in confusion at the back of general business. the chamber, except Mr. King who, fore, a thorough preliminary in- fier circuit. As this amplifier circuit right of Lord Byng. The address ing convention, and the executive tubes are not so easy to test, as their paratus may be taken out and tested in Peace River and Economy. It took ing the Hydro system's stores to pay though the tube is otherwise de- In this particular case, the tube lish and French, and I was quite hardware dealers or else cease comand transformer having been tested tired, and many of the ladies looked peting with them. Try to determine in what particu- and found O. K., the trouble was as though they were too. The Judges lar part of the receiver the trouble finally located as a faulty contact in had on red cloaks trimmed with is located. Hake, for an example, an actual case, in a receiver consisting In this same manner, practically to one another. I thought that was of a tuner, a detector and two stages every trouble which will arise may queer. At the conclusion of the of A. F. amplification. (See Fig. 1.) be traced down to within a narrow speech, Lord Byng's party left, acoperating a loudspeaker but sudden- the small amount of apparatus in The members went back to their Three Members Seek to Smoke and ly became scarcely audible. A quick this part will then reveal the trou- own Chamber. Miss Macphail waited for me, and we went to two re-The above method of trouble ceptions, the first given by the fective than the haphazard testing tock. We were asked to lead the power of attraction it once held for procession in. The tables were the representatives of Labor, and OWEN SOUND WANTS beautiful. We had some lemonade, steps toward a formal breach be-We then went into the gallery of tween the forces which for four the House of Commons. Two mem- years ruled the Treasury benches, bers had died since the House arose, as the U. F. O.-Labor Government and the Prime Minister, Mr. Meighen became known on Friday last. The and Mr. Forke paid a tribute to their formal step toward disalliance took memory. I asked Miss Macphail if the form of an application by the ed machinery working last week in of Athens,, a well-dressed lady pasthey would say nice things about three Labor members for separate an effort to secure a tourist steamer senger approached the captain, and the if she were dead and she said three Labor members for separate to my out of Owen Sound during pointing to the distant hills asked:

Friday, February 6th

that I slept until nearly noon. I saw from where I got a good view of member. Ottawa. Two ladies came in from the country to see me, one my mother's cousin. We had dinner at the apartment, and I worked cross-

Saturday, February 7th

selfish. Think it over. It's a little day before had breakfast with us in since the last election, but for whose the Parliamentary dining-room at return, the Laborites will be pre-9.30. One gave me a pretty, silver pared. pin. We had a little luncheon party at noon for the member for North

Sunday, February 8th

We had a long, lazy morning, and TOWN'S 50th ANNIVERSARY a delicious dinner in the Parliamentary dining-room at two o'clock.

Monday, February 9th

cil has been asked to call a public Mr. Robb and Hon. Mr. Stewart. They were very kind to me. I thought Mr. Graham was delightful. I sat in the gallery and heard the Advertise in The Crhonicle, it pays speeches. Then a friend of Miss

Macphail, Mrs. Barber, took me with her and her little son through the SEES NO INCREASE AT OTTAWA museum, and home with her for supper. It was raining, and the streets

I packed my things in the morning and went through some of the Mr. and Mrs. W. J. Lyons, Markdale, who won the Miss Macphail Public Speaking Contest in Grey County Showed me his lovely office. We showed me his lovely office. We spent a few minutes at Mr. Meighen's office, and he gave me an automons on February 5th. The diary made while in England. Miss Macphail and I called on Dr. Keys, the Principal of the Normal School, also The train left Markdale at 4.18, on Mr. Pittaway, the Government The school children and three of the photo of the Prince of Wales. It teachers came down to the train to was my hirthday, and Miss Macphail see me off. My mother accompanied me as far as Shelburne. Miss gave me a dinner party for six with a birthday cake in the centre of the Macphail got on the train at Flesh- table. The Chef of the House of erton. When we got to North Tor- commons made it. It had twelve in the speech from the throne in onto Station, we hired a taxi and candles. We had a gay party. Ev-MAXINE.

the train was warm, so I did not sleep well, and the night seemed CLAIM HYDRO STORES

Hardware Men to Lodge Complaint Respecting Alleged Unfair Com-

The hardware men of Ontario are going to stage a fight upon what mission, according to H. N. Joy.

TO FLOCK BY ITSELF

Caucus in Strict Seclusion.

her if she were dead, and she said, smoking room accommodation from to run out of Owen Sound during pointing to the distant hills, asked: M. R. S. says: "My storage bat- waves unless I turn the filaments we went to Mr. Lemieux's reception. that they might hold separate cau-"Yes, if I were dead." From there that accorded the U. F. O., in order tery has not been used for several down very low. Can this trouble When Miss Macphail told Mr. Lem- cuses and function an as independieux who I was, he kissed me in ent unit.

> when Karl Homuth, elected at the I was so tired Friday morning by-election in South Waterloo, was introduced to the House not by Hon. all through the buildings that day Mr. Raney, the Farmer leader, but after lunch, and went on the roof, by Peter Heenan, the Kenora Labor Canadian ports before such goods

The leadership of the Laborites rates. will be in the hands of Mr. Heenan for such formal purposes, and the group will consist as well of Mr. Homuth and Mr. J. F. Callan of reveller searching at the foot of a Rainy River. A place is also declaredly reserved for M. M. McBride of Brantford, who has found a place The two ladies who came in the amongst the Conservative benches

Grey and his wife. In the afternoon, examination of mummies that as far

One Week Only Lister Page Power Milking Machines At a Big Reduction

Electric Drive Complete, regular \$265, sale price....\$175 Gasoline Drive Complete, regular \$285, sale price....\$185 This includes motor and gas engine ready to operate. No pipe line required.

m Machine Shop P. W. MOON, - MACHINIST

IN DRUNKENNESS

Magistrate Graydon's Opinion on Stronger Beer Plan.-Court Expresses No Opinion on Hinted

Will the sale of beer containing 2.5 per cent alcohol by weight, equivalent to 4.4 per cent proof spirits, as proposed by Premier Ferguson, increase drunkenness? Will the more severe penalties that are reported to be in store for persons who make their living by trafficking in liquor curb bootlegging? Wil the lighter penalties that are also mooted for persons technically guilty of violating the O.T.A. be more equitable?

These are questions with which temperance and "wet" forces of the province are now concerned, following the announcement of the in the speech from the throne in the Legislature recently.

Magistrate A. H. M. Graydon of London, as reported in The Free Press of that city, has answers for some of the questions. For others, he has not. He said, when questioned as to his opinion on the proposed greater strength for beer, that he did not think drunkenness would be increased as a result. As for the lighter penalties for technical O. T.A. violators and offenses of a minor na-ARE UNDULY FAVORED ture, he has no opinion. He intimated that technical and minor offenses must be more clearly defined before any opinion could be formed.

Thousands of dollars have been added to the police court treasury here since the O.T.A. came into being. The majority of the offenders are charged with being intoxicated. illegal possession of liquor being second in this line. Selling liquor and having for sale come third in O. T. A. violations, convictions on the latter charge being harder to obtain since an actual sale must be

Rumored That Noble Scottish Soldier May Succeed Lord Byng .- erick, Sask., in the presence of about First Scotsman to Hold Position in eighty relatives and friends. The

It is rumored that Canada's next with trimming of gold lace, and cargovernor-general will be the Duke ried a fragrant and beautiful bouof Atholl. Lord Byng's normal term quet of Ophelia roses, narcisse and of office expires in the fall of 1926. fern. Her sister, Etta, was bridesbut it is no improbable that His maid, gowned in nile georgette and Excellency might relinquish the bouquet of carnations and fern. The governor generalship before that drawing-room where the ceremony time. The Duke of Atholl is of no- took place, was tastefully decorated ble Scottish descent, and his wife is with streamers and carnations, roses a well-known member of British and fern, Mr. Archie Davidson sup-Parliament. They own 202,000 acres porting the groom. After congratuof land in the Highlands of Perth- lations and signing of the register, shire, mostly moorlands of deer for- the bridal party led the way to the The duke's military career dining-room, where a sumptuous started in 1890 when he joined the wedding breakfast was served, the Black Watch. In 1892, he trans- beautiful four storey cake being in ferred to the Royal Horse Guards the centre. The dinner-hour was and saw service with Kitchener in merry with speeches, toasts. Later Egypt, and also in the great war. in the afternoon, the bride and The duchess is M. P. for the Kinross groom left on a trip to Moose Jaw and Western division in the Bald- en rout to their future home at Litwin Government. In religion, they the Woody, Sask., the bride wearing are Presbyterians, and he was lord a costume of blue canton crepe and high commissioner of Scotland from fur coat. The bride was the re-1918 to 1920. Should the Duke of cipient of many useful and beautiful Athell be appointed governor-gen- gifts. The groom's gift to the bride eral of Canada, he will be the first was silverware of Community pat-Scotchman to preside at Rideau tern, to the bridesmaid, an onyx ring Hall in 21 years. The Late Lord and to the groomsman, a set of gold cuff links. The bride, previous to

A TOURIST STEAMER

Board of Trade Starts Effort to Secure One to Run From That Port.

resolution was passed instructing hills, captain?" the secretary to write the Northern Ans.—If you remove some of the his courtly French way. We went the rupture between the two ada Steamship Lines, with a view to securing such a steamer to rup Navigation Company and the Can- th captain. turns from the primary of the re- to a dinner party that night and to groups was heralded on Tuesday of from Owen Sound through the told me it was Greece." from Owen Sound, through the told me it was Greece." North Channel to Sault Ste. Marie. Another resolution of importance was one calling on the Government to compel all goods to come through are accorded intermediary freight

A Great Help

He discovered a homeward bound lamp post and inquired the purpose of the search. "Dropped me key," replied the \$1.00 per box at drug stores. Sel happy one. They searched togeth-

er for a few minutes. "Exactly where did you drop it?" "Round the corner." "Then why on earth are you searching here?"

"Better light," was the reply,-Brockville Recorder and Times.

TO EXPECTANT MOTHERS

Letter from Mrs. Ayars Tells How Lydia E. Pinkham's Vegetable Compound Helped Her

Spring Valley, Sask.-"I took the Vegetable Compound before my last confinement, when I got to feeling so badly that I could not sleep nights, my back ached so across my hips, and could hardly do my work during the day. I never had such an easy confinement and this is my sixth baby. I read about Lydia E. Pinkham's Vegetable Compound in the 'Farmer's Telegram' and wrote you for one of your books. We have no druggist in our town, but I saw your medicine in T. Eaton's catalogue. I am a farmer's wife, so have all kinds of work to do inside and outside the house. My baby is a nice healthy girl, who weighed nine pounds at birth. I am feeling fine after putting in a large garden since baby came. (She is as good as she can be.) Yours is the best medicine for women, and I have told about it and even written to my friends about it." -- Mrs. ANNIE E. AYARS.

Spring Valley, Sask.
Lydia E. Pinkham's Vegetable Compound is an excellent medicine for expectant mothers, and should be taken during the entire period. It has a general effect to strengthen and tone up the entire system so that it may work in every respect as nature intends. All druggists sell this dependable medicine. Give it a trial.

HYMENEAL

COWAN-ALEXANDER A wedding of interest to relatives and friends of Owen Sound and dis-

trict was solemnized in Strongfield.

Sask., Wednesday, January 28th, at

the home of Mr. and Mrs. J. H. Alexander, when their daughter, Mary Ellen, was united in marriage to Martin Ernest Cowan, son of Mr. and Mrs. J. L. Cowan of Little Woody. Sask. The ceremony was performed at 10 a.m. by Rev. J. Russel, pastor of the Presbyterian Church of Brodbride wore a charming gown of peach georgette over white satin. Sports.

popular young lady of Bentinck. It's funny language. People don't go south for the winter, it's for golf.

Correct

her residence in the West, was a

the coming navigation season. A "What is that white stuff on the

"That is snow, madam," answered

BRONCHIAL No Smoke-No Sprays-No Smuff

Just Swallow a RAZ-MAH Capsula Restores normal breathing. Quickly stops all choking, gasping and mucus gatherings in bronchial tubes. long nights of restful sleep. Contains no injurious or habit-forming

generous trial. Templetons, To GUARANTEED RELIEF RO

For Sale by S. MacBeth and T. M. McFadden.

SEE THE NEW DRAPERIES, DRESS GOODS & GINGHAMS THIS WEEK AT

A Nice Line of Ladies' Calf Oxfords at \$3.49

Fresh Groceries

Everything Cash

Fresh Bread

Top left, Banff Springs Hotel in winter garb

figure skating, snowshoeing and ice yach

Danff. Immediately one conjures D Bow River, the Valley, sunny s summer dresses, ponies, excursions into mountains, swimming in the pools, hil and bathing suits. There are a t memories of Banff in summer time. (however, have any idea of this me Winter. The thought at this season feeling perhaps. Yet, after all, hav better place could be found in which t short vacation after snow has fallen. O more so than down on the plains where are sweep uninterrupted

Sheltered by the rocky slopes on p high and with a drier atmosphere, the an invigorating touch that stimulates where elsewhere the country sleeps th As Quebec is to the East, so, perhaps degree, is Banff to the West. The

Instead of going to sleep, the lit comes to life with the coming of sno community effort follows the other. sporting activities culminates in Fel seven day carnival in which all citis of enthusiasts from all parts of the We It will only be the case of a ve tourists arrange their trips to take

TWENTY YEARS AGO

From The Chronicle File of February 23, 1905

James Smith, a resident of Bentinck, near Vickers, died on Friday last at the age of eighty-six years. He had been ill for some time Ben Woods will hold a credit auction sale of farm stock on Febru-

ary 28. Lot 15. Concession 2. Egre-

We are pleased to lead a summer in taking honors in his medical examination at McGill College, Montreal. Out of the whole class, Archie stands fourth. In one year more, he'll come out a full-fleged M.D.

The drug business, carried on for a number of years by the late Mr. Parker, is still being conducted by the estate. Mr. J. R. Gun has charge

We learn that John McDonald has been appointed assessor of Glenelg for this year. As we go to press this morning at eleven o'clock, Rev. Rural Dean

Ryan is tying the knot which makes

man and wife of Mr. J. Nicholls of Toronto and Miss Cora McClocklin of town. We have just heard from Kenneth McKenzie of Port Huron, formerly of Glenelg, and feel pleased to learn that in his eighty-seventh year, he

is enjoying better health than he has for many years. On Friday last, there died in Normanby, Mr. George Johnston, brothe of William Johnston of this town Deceased was a resident of the town

ship for thirty-nine years. The regular meeting of the South Grey Farmer's Institute was hel here Thursday afternoon and even ing. About one hundred farmer were present to listen to the subject discussed by the provincial delega tion, Messrs, Kydd of Simcoe an Barbour of Crosshill. President J. Young was in the chair, but t convention seemed to sustain i through the absence of the efficien secretary, George Binnie, who w on duty in Owen Sound-one of the County auditors. Misses Jessie Mu ro and Ida Wilson rendered preselections and were forced on ever occasion to re-appear, while George Wiright furnished sor splendid music on the organ.

Russell Gun of Durham visited Mrs. A. Schram's last week. An Thursday, the first meeting the Women's Institute for 1905 v held in the town hall. After t opening remarks by the presider Mrs. D. McCrie gave a short account of the last meeting. She was f lowed by Mrs. David Hamilton gave an excellent report of meetings she attended as delegate. the convention in Guelph. Mrs. M Girr gave a short paper on "Ch dren," after which Mrs. C. McArth spoke on the same subject.

Orchard correspondence-Mast

Vickers' corresondence-Mr. Hunt had the misfortune to get of his horse's legs badly cut wh working in the swamp. Our sche