

## Three Circuit Regenerative Receiver

(Part 2)

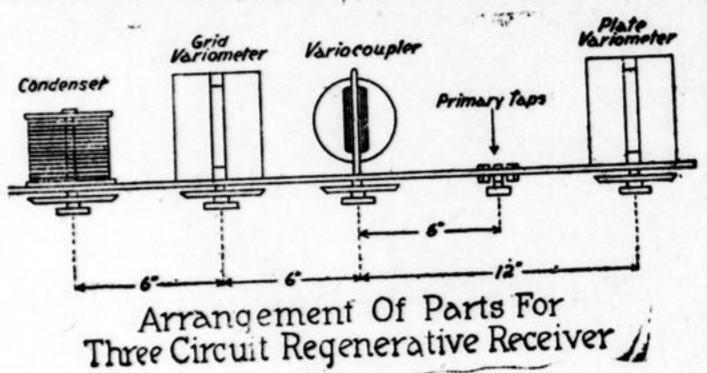
By R. M. SHERRILL

(Radio Engineer)

It is quite important in assem-lincrease the signal strength as much bling this receiver to arrange the more as possible. there may be a feedback of energy starts. from one to the other which would The adjustment of the coupling By-laws were passed directing be beyond the operator's control. between the primary and secondary payment of Taxes into the Bank of

apparatus carefully. In this type of The plate variometer is next adhook-up, when the plate circuit justed. As it is turned up slowly has been tuned to resonance with from its zero position the signals the grid circuit, some of the energy should become louder until a point in the former is fed back to the is reached where there is a click, latter through the internal capa- and the tube breaks into oscillation, city of the tube. This feed-back of thereby distorting the signal The variometer. If, however, some of variometer is obtained when the Com'r Mack also reported the energy is controlled by the plate proper adjustment of the plate the different pieces of apparatus rotor is in the position just before payment to the Treasurer of 75 are placed too close to each other, that point where the oscillation cents received from the sale of

Such an occurrence is often the depends considerably upon local Montreal at Holstein and Authorizcause of howling and general poor conditions. If there is a lot of in- ing Tax Notices to be mailed and terference from other stations the amending By-Law No. 458 re Special The grid and plate variometers secondary must be as loosely Rate Police Village of Holstein. especially must be kept separated, coupled as is necessary to cut out! Mack-Groat.-That a sufficient The arrangements in the diagram the interference. (The loosest cou- sum of money be granted to conbelow provides for the proper sep- pling is obtained when the second- struct a snow fence 70 feet in



ments, this receiver is not very the signal strength somewhat. easy for an unfamiliar operator to general, from the loudest signals, Glenelg and Egremont, \$5.00, also use. This large number of controls the primary and secondary should however, provides a means of be coupled as closely as possible and the difficulty in using them interfere

variometer from the different sta- may be tuned in again at a lower again.

#### Tune Carefully

denser should be manipulated to tions in the neighborhood.

eliminating undesirable stations, without allowing other stations to to date, \$120.75; R. Irwin, sheep correctly may be easily overcome | Another way of reducing interwith a little patience and practice. ference is by the proper combina-

The grid variometer is the main tion of inductance and capacity in B. Gibson, use of room, \$2.00, Carried. tuning adjustment. It is generally the primary circuit When a signal set upon the wave length desired has been tuned in at a certain conand the other circuits are tuned to denser setting, it will be noticed resonance with the grid circuit that if more turns are added at the The aproximate setings of this inductance switch the same station tions heard, should be recorded and setting on the condenser dial. The used in locating those stations signal in the second case will be a little weaker generally but will be more free from interference.

The operator of this receiver As soon as the grid variometer must be careful in tuning to keep has been adjusted to give the loud- his plate variometer turned so that est signal, the inductance switch on the tube will not oscillate or it will the primary and the primary con- interfere with other receiving sta-

#### (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.

221/2 volts on the plate of my detec- amplifying transformers. Try intor tube? I am getting louder terchanging them. Then, if necessignals by using about 90 volts." Ans-For local stations it would

probably be O. K. to use that voltage on your detector. For weaker signals however, the detector would to a crystal receiver, to put them be more sensitive with less plate in series or parallel?" voltage.

4-tube home-made Superdyne re- parallel. Otherwise they should be R.R. No. 4, Durham. ceiver. I am getting excellent connected in series. results but have trouble in stopping the set from howling whenever I try to use the last tube. Can you suggest a remedy?"

Ans-If the different pieces of

### The Explanation

At one of the many complimentary dinners given to Sir Harry Lauder on his recent world tour, he created roars of laughter by telling a story concerning an old Scottish woman who was bitterly opposed to the introduction of an organ in the

One day she particularly and loudly expressed her dislike of the singing of an anthem, remarking that she "didna hold wi' these newfangled notions."

"Why, granny," remarked the minister soothingly, "that anthem is a most ancient one. It is from the Psalms, and may be the very one that David sang to Saul."

"I shouldna wonder," drily remarked the old lady. "I shouldna wonder at a'. That wad explain why Saul threw his javelin at David when the laddie sang before him!"

R. P. W. wants to know: "Is there apparatus are properly separated any objection to using more than the trouble may lie in one of the sary, try replacing one or the other with a different one.

C. B. T. asks: "Is it better, when connecting two pairs of headsets

Ans-If the headphones are ex-E. B. H. says: "I am using a actly alike they may be put in

#### EGREMONT COUNCIL

Council met October 6. Members all present. Minutes adopted.

The Reeve reported B. F. Sharp, 56 rods bonus wire fence, \$22.40; P. Kelly, road to gravel pit, \$2.00; H. Cowan, gravel, 64 cents; R. Seim, dragging road, \$1.13; J. Troy, raking stones, \$2.25; G. McEachern, for services McCannell's and Watt's drains \$3.00. Report adopted.

Com'r Calder reported, J. Weir, gravelling, 90 cents; T. Harrison, Jr., timber for bridges, \$26.7.; Com'r Calder for services re Drury bridge; Egremont and Proton town line, McCannell's drain, \$4. 50. Report adopted.

Com'r Groat reported, N. Horsburgh, 80 rods bonus wire fence, \$32.00; N. Dodds, gravelling, \$5.40; C. Schenk, raking stones, \$1.00; Fees, \$1.00. Report adopted.

Com'r Ferguson reported, E. Russel, repairing culvert, \$2.70; R. Watson, brushing, drawing stone and tile, \$13.27; J. McPhee, railing culvert, \$1.25; work and fees, \$10.80. Report adopted.

Com'r Mack reported, T. Tucker, repairing bridge and culvert, \$3.00; J. Lennox, gravel, \$2.00; W. J. Eden, gravel, \$6.00; W. Moore, gravel, \$4.80; Miss M. McDonald, gravel, 3 \$1.20; T. Atchison, gravelling, etc., 13 \$21.60. Report adopted.

ary is turned at right angles to the length and from 2 to 3 feet high at As there are five tuning adjust- primary.) This of course weakens G. A. Concession 20, E. V. Mathews, Path Master agreeing to draw the material free of charge. Carried.

> Ferguson-Mack.-That a Commission composed of the Reeve, Clerk and Treasurer accompany the Police Village Trustees to consult a Solicitor in reference to all matters arising between he Council and the Police Village Trustees. Carried.

Calder-Groat.-That the following accounts be paid:

Municipal World, Assessor and Treasurer's suplies; Dog Tags and Drainage Forms, \$57.40; Mrs. J. R. Philip, for services rendered by late 3 Treasurer and postage and exchange, 3 \$20.45; Clerk for services re settlement of accounts between Proton, services re Voters' List, \$2.00; C. Ramage and Son, priniting account killed, \$10.00; R. Aitken, inspecting sheep, \$1.00. Members of Council attended at meeting to date, \$15.00; Council adjourned to meet Novem-

ber 8, for general business. DAVID ALLAN, CLERK.

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which will hold good for 13 Days in order that everybody may get their share.

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they're goin'

Abie O'Bri taken in all basement for "it pays it. d his neck agt roof, like he

Yep, they be iamboree Sa That's ent

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Just a new "Butch"

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39 cents. and other Firemen' Busine

Town's election. thirty d Had a

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(Cop)