

Superdyne Receiver

(Part Three) By R. M. SHERRILL

(Radio Engineer)

The tickler coil rotates in the grid end of the secondary inductance. It consists of 20 turns of 24 gauge copper wire wound on a cardboard tube 21/4 inches in diameter. This core should be 11/2 inches long, and the winding should be spaced between turns as it was on the other public while under quarantine for watchman in town.

connections to this winding are made is moved to a different location. through flexible leads. The second- The tuning of the Superdyne may

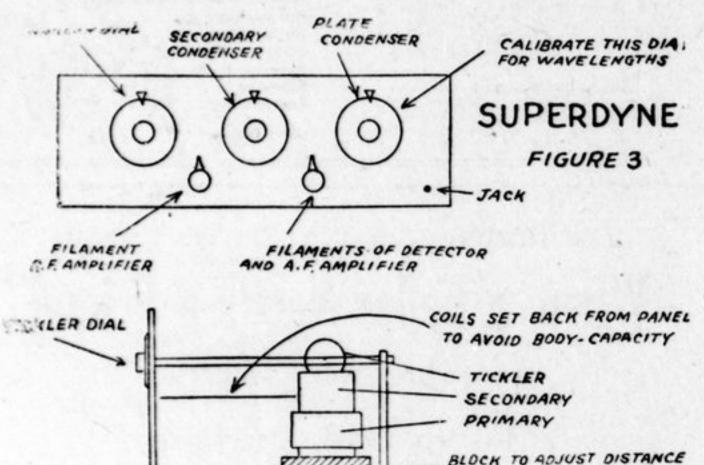
are shown in Figure 3. tions as short as possible. Also, it nance.)

The rotation of the coil is con-Idial reading and use it in getting trolled by a 4-inch brass shaft extending through the panel and the time. This calibration is very contact the same station again at any other time. This calibration is very contact the same station again at any other time. This calibration is very contact the same station again at any other time. This calibration is very contact the same station again at any other time a prosecution had been made, time a prosecution had been made, the Township Board of Health did mories for the past few years, and as a result, Major Davison, O C. of the set. The large of the set. The large of the set of the set of the party agree. The large of the set of th

ary coil should be directly below seem rather hard and critical at the should remember that it is a Department of Militia and Defence open. the tickler and should rest on some first, but such is not the case if this ple should remember that it is a to make good the deficiencies. adjustable support so that the dis- one dial is calibrated and properly serious matter to disregard quartance between itself and the tick- used. The method of tuning is as ler may be regulated. The details follows: Look on your calibration the Public Health Act. chart and find the dial setting for The details of the panel arrange- the station you want to hear. Set ment are left to the taste of the in- your plate condenser at this read- Old Hen Mothers Three Tiny Pigs this continual draw on his finances dividual experimenter. It is sug- ing and tune the secondary to reso- For some time wonders have been with the result that on Tuesday of condition. gested, however, that the general ar- nance by its condenser. (The sec- reported from various parts of the this week, a Corporal of the Royal rangement shown in Figure 3 be fol- ondary condenser will usually be country, but no report has yet told Canadian Mounted Police was busy lowed as it is especially necessary within a few dial divisions of the of a hen going into the hog-raising in Chesley trying to locate the miss-

well separated. The tuned plate coil proaches resonance, the R. F. ampli- three young pigs had been added to safe bet that pilferers of military should be kept away from the sec- fier tube will probably start to os. his stock. He placed them in a hox equipment are going to get into out. ondary and should be turned so that cillate, and in this case the tickler near the stove. When it came bed- serious trouble if they don't quit it is in a plane at right angles to the is slowly turned in the direction time, he transferred the little pigs their taking ways. which stops the oscillation. Con- to a small keg lined with old rags. It is advisable to use a separate tinue these adjustments until the From his hen house, he secured a

bearing in the rear of the set. The aerial is changed, or if the receiver was arranged by the party agree- the Company, has on more than one good condition. Road across Bur-



but if UV 201A tubes are used, all with the plate circuit and the oscil- credit to places much larger than of the company, occupy a place on stat. With these tubes and 90 volts It is unnecessary to shield this Raspin Scott of Orangeville was lustrations showing the remarkable on the plate, a 3-volt C battery receiver unless there is a strong elected President of the Ontario growth in the factories during the

the plate coil may be calibrated for first time you try it out. Give your- improvements. the various stations you are accus- self time to become well acquainted Francis Lehman, an old resident bandmaster of the 222nd Regimental tomed to hearing. Thus, once you with this circuit and its tuning, as of the town, died Monday morning Band of Winnipeg which went overmum strength, you can record this perdyne are worth this effort.

rheostat for the R. F. Amplifier tube, secondary is completely in resonance master and the town and would do graph, with those of other officers

TWEEN SECONDARY

TICKLER

should be connected as was shown interference from local stations. It Amateur Lacrosse Association by half-century. There are numerous is well, however, to set the second- acclamation. ary back from the panel by several Mr. R. Winter, inspector of Pub- prominence and a group headed.

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RADIO QUESTIONS AND ANSWERS

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

S. T. asks: "Will it be worth | ten in on them while the loud speakwhile to wind the tuning coil for er is being operated? The signals my Ultra Audion with 8 gauge cop- are too loud for my ears when the per wire in order to cut down the phones are connected in with the

Ans .- No. Using such heavy wire | Ans .- Try connecting your headmakes the inductances too large. phones in series with a 1/2 megohm Moreover, it will not cut down the grid leak to the same terminals that cadio frequency resistance.

B. E. C. says: "I bought some col- B. M. S. says: "My Baldwin headlodion for my radio coils, but the set rattles badly when loud signals stuff is so thick that I cannot use are coming in. Is there any way it. Is there any way to thin it out in which I can stop this trouble?"

Ans .- Add ether to the Collodion the metal armature touching one of ceive \$930 for 31 uniforms. when it gets too thick. Keep it the pole-pieces. If this is the case, tightly covered when not in use.

J. E. T. asks: "How can I connect ture until it stands in the centre of up my headphones so that I can lis- the space between the pole-pieces.

FORTY-SIX LESS

aged over 30 a month for the past compensation costs are reduced. several years. The value of these 46 lives can hardly be estimated. but the reduction, at least indieates that there is a little more care according to Punch, once lost his for some time for high blood presand thought being used by all con- temper at a particularly awkward sure and accompanying complica-

The total number of accidents reported to the Workmen's Compensation Board in the first quarter of the was 12,655—also a noticeable of yours'll get so kicked we shan't a complete cessation from his official dubering to 'em! he to secure his restoration to health. As a consequence, he is being grant-average from the first three months are nothing but lame 'osses in the constant a complete cessation from his official dubering to 'em! he ties for several months is necessary to secure his restoration to health. As a consequence, he is being grant-average from the first three months are nothing but lame 'osses in the constant and the constant and the constant are nothing being the constant and the c of 1924 when there were 14,144 ac- stable." cidents reported to the Board. Accidents in the past three years have cost industry in this Province, in it-all sweating over a seven letter partment. compensation payments alone, an word meaning something.

the noise may be stopped by bending

one of the supports of the arma-

operate your loud speaker.

For the Sake of the Horses

eceruit.

How sweet it is to watch a know-

News of Nearby Towns

MOUNT FOREST

Mount Forest Horticultural Socie- erton on the boundary. ty met Tuesday evening of last week, when a very interesting reard Skales. The society has a membership of 180.

fered severe pain since his recent Day, which falls on a Wednesday,

GRAND VALLEY For Breaking Quarantine

A party in Arthur Township was up here before Police Magistrate Scott of Moorefield on Friday last charged with mingling with the to who shall be the next nightguilty, and as the penalty for this is ing to pay all costs, including the expenses of quarantine, amounting a considerable sum of money to the Niagara Falls to Fort Erie—Road antine or to violate any section of

in this receiver, to keep the connec- calibrated dial reading, at reso- business. On one of the coldest ing fire-arms. We are not in a posnights during the recent cold snap, ition to state just what the results is advisable to keep the inductances As the secondary circuit ap. a young farmer near Metz found of his search amounted to, but it's a motherly old hen and placed her on the top of the little pigs. The wood fire went out during the night, and Toronto on April 6th in his 81st year. but the little pigs were comfortable beneath the old hen who had as- thern climate—a bana bloom sent sumed entire charge of the situation. through the mail by Mrs. Mercer's with a small head poking out from under each wing. She continued in nightly charge of her wards until the weather moderated, and they were returned to their own proper

ORANGEVILLE Presented With Baton

Orangeville.

inches to avoid the effect of body- lie Works, Toronto, was in town on "Eminent Bandmasters who endorse One of the very desirable features capacity in tuning with the tickler. Tuesday going over the post office Conn instruments," contains a good of the Superdyne receiver is that the Do not lose patience with this re- building, which, as a result, is to re- picture of our own J. T. Park, with dial of the cendenser which tumes ceiver because it does not work the ceive a fresh coat of paint and other the following note: "Joseph T. Park

get a station tuned in at its maxi- the results obtainable with the Su- in his 74th year. Interment was seas in 1916 and was later appointed made at Kenilworth.

WALKERTON Walkerton held its first 1925 la- whole family uses Conns. crosse practice on Tuesday of this

pastor at Riversdale, was turning a grant of \$1,000 from the Town into Mr. J. Lee's gate near that vil- Council, owing to the fact that it lage on Tuesday night in his Ford has had a rather slim year. The coupe, when another coupe, driven chairman of the Public Utilities by a Durham man, banged into him. Commission wants \$2,500 for water-The side of Mr. William's car was works extensions. badly dinged, the running board be- The Board of Trade is making ing smashed and the axle bent. The plans for its annual banquet to be Durham coupe, which was a brand held soon.

new car, sustained little damage. for supplying the new band uni- sities and Colleges of Toronto, was forms on Monday night. There were won this year by McMaster Univera number of tenders received, four sity, and comes back to her halls affrom town and several from outside ter an absence of nine years. Durfirms, the successful tenderer being Mr. W. H. McBurney, who will re-Ans.—Sometimes this is caused by

County Magistrate McNab, who reserved judgment after hearing evidence on three charges of violating the Egg Grading Act preferred against Hiscox and Mann, general merchants of Teeswater, will withhold his decision until after the Suaverage of over six million dollars preme Court has passed on an ap-In the first three months of 1925, each year and, in this manner, have peal from a conviction rendered in there were 46 deaths due to indus- added to the tax burden that the a similar case and which will come trial accidents in Ontario. In the Province must face. Compensation before it on April 22nd. The acsame period of 1924, there were 92 losses offer one point of attack in cused merchants claimed at their deaths. This decrease is quite ex- the efford to lower costs. Accident trial last week that they were meretraordinary, especially when it is re- prevention makes greater returns to ly acting as local agents or buyers membered that the number of in- the employee whose life or limb is for Loblaw's chain stores in Torondustrial deaths in Ontario has aver- saved than to the employer whose to, and on this grounds contended that they did not come under the

ruling of the Act. County Magistrate A. E. McNab. A sergeant in the British Army, who has been under medical care tions, has been advised that a comeral's Department, and a man to temporarily take over his magisterial duties will be appointed by the De-

The first British family to come

ly enacted between the British and Trinity College, the Faculty of Med-Canadian Governments, arrived in icine, the Royal College of Dental Interesting News of Country RoundWalkerton last Friday night by C.
Walkerton last Friday night by C.
Surgeons and Victoria Gollege. Mr.
Surgeons and Victoria Gollege. Mr.
P. R. in the persons of Mr. John
Clyde Dankert of Hanover, who is Changes. D. Watt, wife and two children from a student in history and economics Aberdeenshire, Scotland, they going at McMaster, debated last fall

of the surrounding towns and vilport of the recent Ontario convention lages, the local Retail Merchants' "That the future well being of Canin Toronto was given by Mr. Howard Skales. The society has a memaliar skales, The society has a memaliar skales and skales. Thursday afternoon as their weekly half-holiday from May 1st to Octo-ber 1st. This is the May 1st to Octo-On Thursday, while rolling logs ber 1st. This is the day that Walk- Clyde has ben elected president of Clyde has ben elec with a canthook at Murphy's sawmill, Stewart Cummings slipped on some ice and fell, breaking his leg that we understand most of larger of the McMaster Debating Union for next year. some ice and fell, breaking his leg the surrounding places are falling handled the fiscal year.

Hanover customs house collected the surrounding places are falling handled the fiscal year. above the ankle. Both bones were into line and will observe the same \$168,284.94 during the fiscal year fractured. This is the second time into line and will observe the same fractured. This is the second time day. However, this year there will ending March 31, 1925, an increase of that leg has been broken, and the that leg has been broken, and the other leg was broken once, so that Stewart has been peculiarly unfor-Stewart has been peculiarly unfortunate in this respect. He has suf-formed support the same week or not. As a consequence, Dominion HIGHWAY CONDITIONS will be observed, as will also the next Thursday afternoon, the two coming with one week.

CHESLEY

The council is having trouble in arriving at a unanimous decision as

Military equipment and clothing follows: belonging to D Company of the Bruce time a prosecution had been made Regiment has been disappearing Toronto to Hamilton—Lake Shore occasion been forced to whack up lington Beach open for traffic.

The latest articles to find their way from the armories were two Lee-Enfield rifles, and as it costs the Major around \$70 to pay for someone else's artillery, he objected to Clappison's Corners, then north.

DUNDALK

Charles McConnell, a former wellknown resident of Dundalk, died in W. D. Mercer showed in his store last Friday a rare flower in this nor- Open for travel. mother and sister, Mrs. Wylie and daughter, of Owen Sound, who spent while frost is coming out of the Sound-Road open the winter at St. Petersburg, Florida. The flower is a dull reddish shade with numerous petals and very large. The bud is nearly as long as an ordinary corncob.

The March number of Musical Truth, published by C. G. Conn, Ltd., of Elkhart, Indiana, marks the gold-At Friday night's practice, mem- en jubilee of that well-known firm

bers of the Orangeville Citizens' of band instrument manufacturers. Band presented Bandmaster Russell This special edition contains an Morrow with a valuable silver interesting history of the growth and mounted conductor's baton as a progress of this big business from mark of their appreciation of his its inception in a small way in 1875. orvices. Mr. Morrow has built up C. G. Conn, its founder, is still assoa band of about thirty members. The ciated with the business ,though now organization is a credit to the band- about 80 years of age. His photophotos of Conn instrument users of bandmaster of the 19th Reserve Band in England. Three sons and a daughter now play professionally-and the

Rev. Mr. Williams, Presbyterian | Hanover Hospital Board requests

The Kerr shield, debating trophy, The Citizens' Band let the contract | contested for by ten of the Univer-

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> The Variety Store R. L. Saunders, Prop.

into Bruce County under the terms of the Empire Settlement Act, late- ly enacted between the Daily lateto a farm between Glamis and Tiv- against Trinity and also last week in the finals against Victoria. In the After communicating with many final debate, McMaster had the neg-

THROUGHOUT ONTARIO

Concise Road Report Prepared by Halifax, Nova Scotia. Ontario Motor League.

A report on roadway conditions along the main travelled highways irregular, with pains and headaches and of the Province has been prepared by the Ontario Motor League, as

Niagara Fails to Detroit-Via Dunnville, Jarvis, Tillsonburg and St. Thomas-open throughout.

Guelph-Go via Dundas Street to Guelph-Owen Sound-Road in good

Guelph, Harriston and Kincardine -Open for motoring. Guelph, Elmira, Listowel Wingham-Road open.

Hamilton to Galt, Kitchener, Stratford and Goderich-Open through- Orangeville and Owen Sound-Open Stratford to Sarnia-Road open.

Hamilton to Caledonia, Jarvis and Simcoe-In good condition for mo- and Tottenham. Hamilton to London and Detroit- throughout. Danforth Avenue, at

Open via Chatham and Sarnia. Yonge Street-Open to Orillia. East until July 1st. For Markham folside of Simcoe open to Beaverton. low Yonge Street to Lansing, and go Orillia, Coldwater and Midland- east or north on Yonge Street to

Kingston Road-Open to Quebec ville and Uxbridge. boundary. Soft spots may occur be- Vaughan Road-Open throughout tween Bowmanville and Port Hope Barrie to Collingwood and Owen

She Is Willing to Answer Letters from Women Asking About Lydia E. Pinkham's Vegetable Compound

Halifax, Nova Scotia. - "I am a ma. ternity nurse and have recommended Lydia E. Pinkham's Vegetable Com. pound to many women who were child less, also to women who need a good tonic. I am English and my husband is American, and he told me of Lydia E. Pinkham while in England. I would appreciate a copy or two of your little books on women's ailments. I have one which I keep to lend. I will willing answer letters from any woman asking about the Vegetable Compound."-Mrs S. M. COLEMAN, 24 Uniacke Street

Could Not Sleep Nights

Dublin, Ontario. - "I was weak and could not sleep nights. I learned Lydia E. Pinkham's Vegetable pound by reading the letters newspapers and tried it be to get better. I have got good refrom it and I feel a lot stronger and am I am gaining in weight all the time and I tell my friends what kind of medicine I am taking. You may use my letter as a help to others." - Mrs. James RACHO, Box 12, Dublin, Ontario.

ground. Motorists advised to drive carefully.

Ottawa-Go via Kingston Road to Prescott and north.

Whitby-Lindsay-Open throughout. Cars also getting through to Bobcaygeon.

Peterboro-Open via Welcome and Dale, and north from Port Hope, Cooksville, Brampton, Shelbourne,

throughout. Soft spots near Chats-Weston Road—Open to Schomberg

Markham-Kennedy Road open end of pavement, closed for repairs Langstaff, and east through Stouff-

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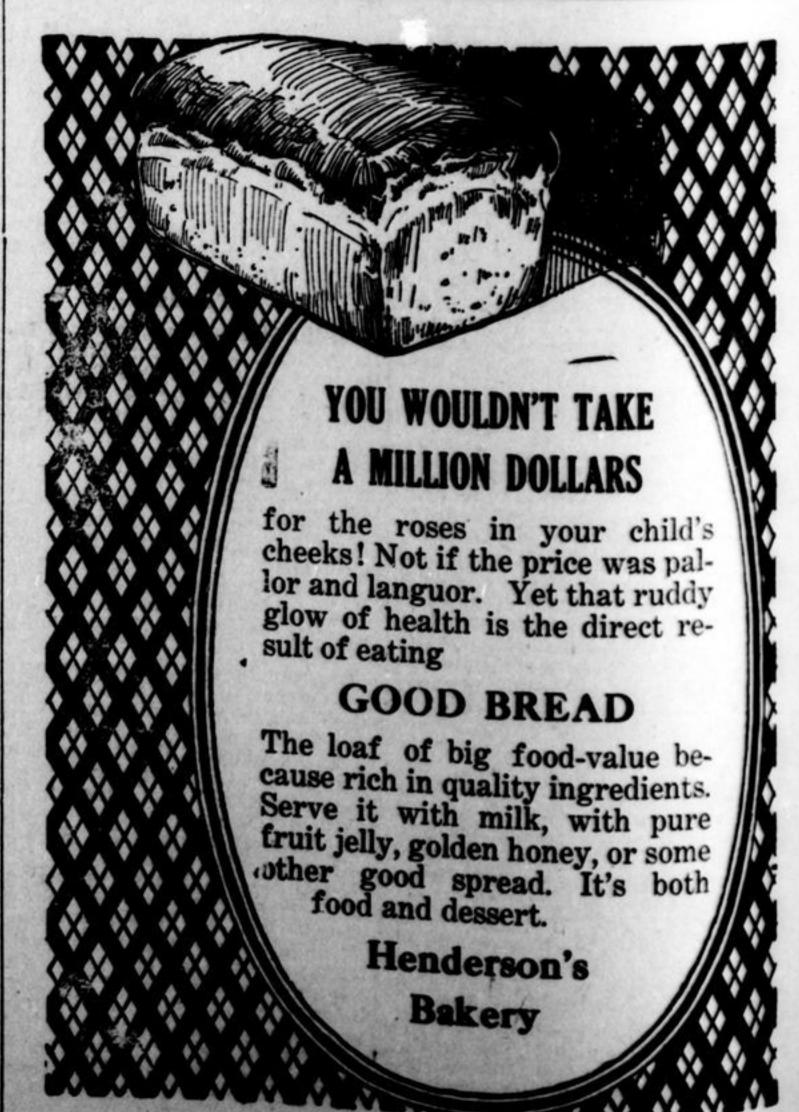
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World News S

Thursday, April 16,

At A Glance Daily Events as Told I Condensed for Busy C

Thursday

Readers.

Six men were killed and wounded, 15 of them critical the shell of a 12-inch gun prematurely on board the Caio Duilio yesterday. F out immediately, but it was save the vessel from destr

A remnant of Samaritans the literal rites of the Pass rifice on Mount Jarizim, town of Nablus, six miles the city of Samaria, on Many visitors were attract cluding some Jews, and a f curred, resulting in a ni slight casualties.

Three non-commissioned were killed and one pri seriously wounded yesterds Silesia, through an explomass of condemned hand-The four men, who had go safety dugout, emerged thinking the pile of muni not ignited.

The death of Khalassi, we Mesopotamian mullah (exp. the law and dogmas of I reported in a despatch to habad Pioneer from the Per city of Meshed. All the places of Meshed, where died, are closed and ord been sent to the princip throughout Persia for closi bazaars and general mours Dock mechanical works are affiliated with the

Workers' Federation in Hol terday decided to proclaim They claim increased wag florins weekly and a del rangement concerning their Three branches of mechani ity at the docks are idle workers are expected to s afternoon. The value of is approximately 40 cents. John Sandeman Allen. tive M. P. for Derby West.

of the Liverpool Chamber merce, and prominent mark ance expert, speaking at | ing of the Liverpool Ch Commerce vesterday, said dian Government appeared impression that Chambers merce would welcome Gd Control of shipping freight really has that idea, it ou disabused," Mr. Allen sal Speaking at the old settl Roshpina, near Tiberius, day, the Earl of Balfour making a trip through Pale ter having inaugurated th University last week, vigor fended the policy express Balfour declaration, name Great Britain would use endeavors to facilitate 1

lishment in Palestine of home for the Jewish Peor No trace has been four two British flying officers been missing since a large plane fell into the sea off hospital, one of them in

condition. Britain's contribution to

The clash between a lem, was a typical incid essentially is an Arab A in which the Jews are

the capital of the Na Donald MacLeod ve offer to the Canadian

than that the Canadian on for a steamship sol England and Canada, the Moscow Soviel, wh Tuesday, show that 2,55 were elected, among the

parties will have 31 p total membership of the

Soviet, as compared w

last one. An Exchange Telegr received in London says that the Bapti Burma announces the Kalaw Hill station of