

### For The Quiet Hour

#### FRET NOT

Fret not when low'ring clouds conspire  
To shut out heaven's blue;  
Remember, He who made the light  
Directs the storm clouds too.

Fret not when that your soul desires  
Eludes your eager hands;  
Rejoice! Believe your utmost need  
The Father understands.

Fret not when fondest friends forsake,  
All heedless of your tears;  
Trust in the Friend whose love fails not  
Nor changes through the years.

—Selected.

"IT'S A GREAT MORNING, ISN'T IT?" CALLED A CHEERY business man to a passer-by as he hurried down the steps of his home to catch a train.

"Why, so it is," thought the student, looking up in surprise from his moody contemplation of the sidewalk. And unconsciously he straightened his shoulders and stepped out more briskly as he went on his way.

"It's a great morning, isn't it?" said the business man to a bootblack as he stopped for a shine. And the urchin gave a vigorous polish to a spot on the heel that he had been minded to leave unshined, and whistled as he went his way.

"It's a great day, isn't it?" said the man to the stenographer as he entered his office. And the girl's fingers flew faster, the keys clicked merrily, and the tired eyes smiled as she worked that day.

"It has been a great day," said the man to his wife as, business over, he sank with a sigh of comfort into the easy-chair at home.

And the recording angel, closing the account of that man's day, smiled and echoed softly: "A great day!"

Such transformations cheerfulness will bring about in life's toil and moil!

IT IS BECOMING INCREASINGLY THE AIM AND CUSTOM among churches to press evangelistic effort from New Year onward through Lent, culminating in an Easter communion service when new disciples shall make public confession of Christ as their Saviour and Lord by joining the church.

It is a good custom, more especially where evangelistic zeal does not run strong all through the year. Joining the church is the only way by which a person can be definitely counted on the Lord's side. A common movement is likely to bring in the stragglers and the hesitating.

The act of public confession makes definite one's convictions and establishes one's faith. It always brings blessing. The outward performance of any obligation strengthens the inward sense of discipleship. There is no teaching or example in the Bible to sanction secret discipleship. On the contrary, merely neglecting to confess Christ leaves one among those who deny Him. How much better for every believer to go all the way, and identify himself earnestly and boldly with the church!

"If thou shalt confess with thy mouth Jesus as Lord, and shalt believe in thy heart that God raised Him from the dead, thou shalt be saved; for with the heart man believeth unto righteousness, and with the mouth confession is made unto salvation" (Romans 10, 9, 10).

"Every one, therefore, who shall confess Me before men, him will I also confess before My Father who is in heaven. But whosoever shall deny Me before men, him will I also deny before My Father who is in heaven" (Matthew 10, 32, 33).

MR. E. SCRYMGOUR, M. P. FOR DUNDEE.—IF ANYONE WILL read the thirteen hundred pages of evidence in the Owen Senatorial Committee Report concerning the German-American activities, he will agree that no human agency could ever have broken down their mighty machine for controlling press, politics and big business. A generation of Monday afternoon W. G. T. U. prayer-meetings was what was needed. It is good, therefore, to learn that Mr. Scrymgour, the Scotch prohibitionist, who defeated Mr. Winston Churchill for Parliament, and who received a larger personal vote than any other, save one, of the fourteen hundred candidates at the last British elections, also believes in an accomplishing prayer. In a recent speech, he said that the church had largely forgotten its ancient belief in miracles, but they still took place, and he had no manner of doubt that in a few years' time, Britain would be under Prohibition. Then he adds, and it is a testimony which should be remembered, "Our party called a thanksgiving meeting after each electoral defeat because we were quite sure that God was leading us."

"Why build these cities glorious  
If man unbuilded goes?  
In vain we build the world unless  
The builder also grows."

—Selected.

A DISTINGUISHED ARTIST, SPEAKING TO SOME STUDENTS on artistic composition, declared it to be a wrong thing pictorially to have a picture of woodland or forest without showing a path leading out of it. When the true artist paints a landscape, he invariably gives some suggestion of a path which can carry the eye out of the picture. Otherwise the tangle of trees and undergrowth would suffocate us, or the wide, trackless spaces dismay us.

And so God, recognizing the play instinct in man, has filled the earth and heavens with material for recreation. "Hobbies" to draw His children away for a time from the trackless spaces of responsibilities that would dishearten us, and the undergrowth of work which would suffocate us.

THE ARMY Y. M. C. A. HAS PLACED IN THE ENTRY OF ITS building on the water-front in San Francisco, through which thousands of sailors and soldiers pass on their way to the Philippines and elsewhere, the general order issued in New York July 1776 by Washington, then in command of the American army. It reads as follows:

"The general is sorry to be informed that the foolish and wicked practice of profane cursing and swearing, a vice heretofore little known in an American army, is growing into fashion. He hopes the officers will, by example as well as influence, endeavor to check it, and that both they and the men will reflect that we can have little hope of the blessing of heaven on our arms if we insult it by our impiety and folly. Added to this, it is a vice so mean and low, without any temptation, that every man of sense and character detests and despises it."

This is a sentiment which should be gotten to those who need it. We suggest that these large framed copies be put up in factories, camps and wherever else the "mean vice" is rampant.

DO YOU REALIZE THAT EVERY EIGHTH PERSON IN THE world lives in Africa?

That its inhabitants double in number every 40 years, the whites every 80 years?

That nearly a quarter of all the land in the world is within Africa?

That it is as far around the coast of Africa as it is around the world?

That in Africa's area, you could put the United States, the British Isles, Germany, France, Norway, Sweden, Italy, Argentina, China, India, fifty Belgians and half a dozen Spains?

When an African is won to Christ, he goes quickly to his people, carrying the message. Every day cases are cited where a student who has dropped out of mission classes is found in some far away village, the centre of an enlightened group, standing before a tattered chart, or with a well-thumbed book in hand, teaching reading, writing, arithmetic and religion.

The writer's only daughter, a missionary in Rhodesia, recently wrote:

"If the young people of America knew the joy and fascination of the work in Africa, they would come out here by the hundreds."



### Superdyne Receiver

(Part One)

By R. M. SHERRILL

(Radio Engineer)

MANY of the most sensitive receiving sets used today are of the class employing some form of tuned radio frequency amplification. This type of amplification has become popular because it is extremely sensitive, and in addition, because it greatly improves the selectivity of the ordinary receiver.

The one "bug" in this system is the tendency for the amplifier to oscillate when it is tuned to resonance. The Superdyne, Neutrodyne, Deresadyne and many others are of this class and differ from each other principally in the method of controlling oscillation. The Superdyne has several advantages over others of this class in that it is more simple to construct and to operate and is more efficient in controlling oscillation.

As shown in the circuit diagram of Figure 1, the first tube is a radio frequency amplifier, the second a detector and the third an audio frequency amplifier. It is customary if loud speaker reception of distant stations is desired, to add a fourth tube as an audio amplifier.

It will be seen that the grid circuit of the first tube is tuned by the

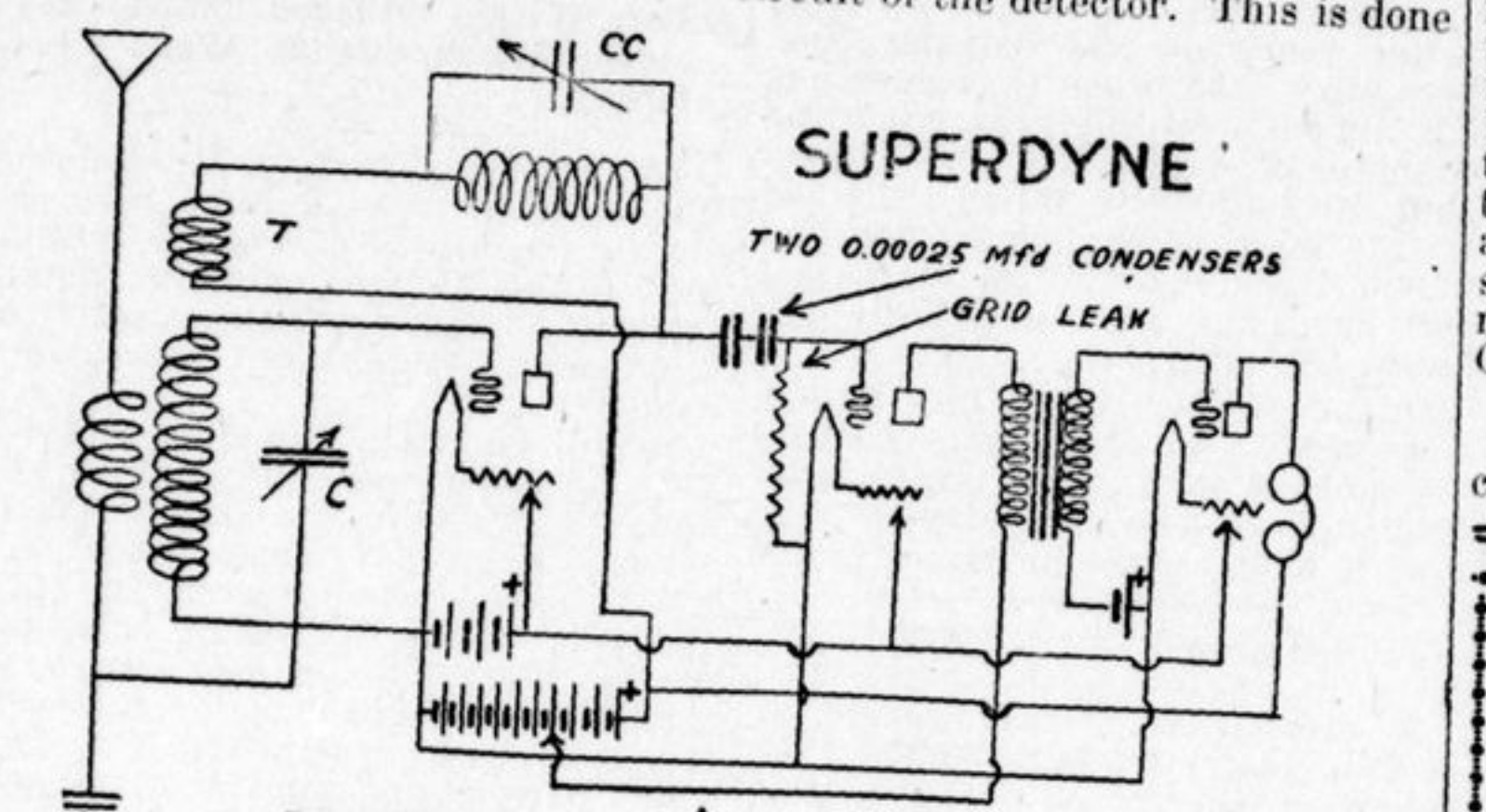


FIGURE 1.

condenser C, and the plate circuit of the same tube is tuned by the condenser C. When both of these circuits are tuned to the same wavelength, tremendous volume and great selectivity are possible, provided the tube is kept from oscillating.

#### Feedback Control

The tickler coil T is the part of the Superdyne which is used for controlling oscillation. It is used in a different manner from the ordinary tickler as it prevents oscillation by feeding back to the secondary coil a voltage which is OPPOSED to the incoming voltage.

This feedback represents a loss of power, but it is controlled by the tickler coupling so that the loss is

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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.

R. E. R. encloses diagram and asks the following questions:

- (1) Have I the right number of turns on my coils for the 17 plate variable condensers?
- (2) Are my grid leak and condensers of the proper sizes and capacities?
- (3) Should the wire marked X be left out?
- (4) Will it be necessary to shield this set to prevent body-capacity effects?
- (5) Will it cover wavelengths from 200 to 550 meters?
- (6) If properly built, will this circuit be selective enough to tune out the local station 8 miles away from my home?

Ans.—You do not give the diameter of your windings and so cannot

tell if the number of turns is correct. However, the 0.0003 Mfd. condensers will not cover the broad-casting range unless you use tapped inductances. As the tapped coils are inefficient, it is better to use 0.0005 Mfd. condensers.

With this size of condensers, the coils should be as follows: Primary 15 turns wound on top of secondary. Secondary 50 turns wound on a 3.5 inch diameter. Plate coil is the same as the secondary. Grid condenser and leak are proper as shown. The wire marked "X" should be in place. Shielding should be unnecessary unless there is strong interference from local stations. It should be selective enough to tune out your local station for others which are of sufficiently different wavelength.

### Spring Goods Just Arrived

We have just received shipments of our Spring Stock of Slippers and Pumps in the new shade of Tan.

Come in and inspect these latest styles. We will be pleased to exhibit them for your approval.

Below we are quoting a few prices:

- Woman's Tan Calf Oxford, low heel.....\$5.00
- Woman's Tan Calf Oxford, sport heel.....\$5.00
- Woman's Tan Calf Gore Pump.....\$4.50
- Woman's Patent and Tan Calf Strap Slipper \$5.00
- Woman's Patent Gore Pump.....\$5.50

These are only a few of the new snappy lines for spring.

REPAIRING A SPECIALTY

J. S. McIlraith The Cash Shoe Store Durham, Ont.

#### FACTS ABOUT TEA SERIES—No. 1

## Tea as a Beverage

Tea first became known in China nearly 3000 years before Christ. In that country tea was greatly prized, both for its remarkable qualities as a beverage and for the almost religious ceremony attached to the drinking of it. Up to the sixth century, tea was used only for medicinal purposes. Even in the seventeenth century it cost \$25.00 to \$50.00 per pound. All tea caddies were constantly kept under lock and key. Today when even fine quality like "SALADA" costs less than one-third of a cent per cup, it is not surprising that the consumption of tea is increasing tremendously.

# "SALADA"

#### WELL-KNOWN MUSICIAN DEAD AT OWEN SOUND

Prof. H. C. Heinicke, well known in music circles in many towns and cities of Ontario, passed away at Owen Sound last week following an illness of some months. He went to St. Catharines, Ontario, at the age of six years and was educated there, and lived there many years of his life. For 21 years, the late Prof. Heinicke was bandmaster of the 19th Battalion in St. Catharines, and afterwards he was bandmaster in Kitchener, Woodstock, Walkerton, Hanover and Goderich. During his residence in those places, he was also leader of the choir in the Churches of England located at the various centres. About 25 years ago, Prof. Heinicke occupied the position of leader of the 31st Regimental Band and choir leader at St. George's Church of Owen Sound.

Success is another visitor who comes when you are busy.

#### PRODUCTION OF BABY BEEF

In his annual report for 1923, Mr. C. F. Bailey, Superintendent of the Dominion Experimental Station at Fredericton, N.B., records the result of an experiment in the cost of producing baby beef. Two steers, one a third cross Shorthorn and the other a third cross Ayrshire, were fed in order to compare the merits of dual purpose Shorthorn steers with steers of the dairy breed for the production of baby beef. The method of feeding was the same as that used for dairy heifers except that the ration was more liberal. Statistics given in the report show that dual purpose Shorthorn steers cost less per hundred pounds live weight than steers from the dairy breed; that dual purpose Shorthorn steers have a higher dressing percentage, and that dual purpose Shorthorn steers' carcasses have a higher percentage of high-priced meat.

## McKechnie's Week-end Values

#### DRY GOODS

- Ladies' Black Cotton Hose, per pair.....25c
- Men's Black Cotton Sox, per pair.....49c
- Men's Silk and Wool Half Hose, in blue, brown, fawn and black, per pair.....75c
- Men's Print Shirts, Extra Special.....\$1.49

#### GROCERIES

- Seeded Raisins, 2 pkgs. ....25c
- Beehive Corn Syrup, 5-lb tin for.....45c
- Ginger Snaps, 2 lbs. for.....25c
- Christie bulk Sodas, fresh this week, per lb.....18c
- 4-String Brooms, each.....49c

## Staunton Semi-trimmed Wallpaper

Saves Time. 22 Inches Wide.

Come in and let us show you our new stock, it is now complete with all New Spring Papers.

Wallpapers from 7c. to 50c. per roll

John McKechnie - Durham.

## Men's Furnishing Store

## EASTER GOODS

We have the largest and newest stock of Men's Wear in town.

### All Ready for Easter

- Belts Ties Hosiery
- Shirts Hats Caps

Nothing Newer or Nicer. Look These Over.

Some real classy Ready-made Suits on hand. Come in, look over our stock and select your wearing apparel for the Easter Holiday.

A Few Specials in Ready-to-wear Suits for Easter

GEORGE S. BURNETT

Gen'l Furnisher

Durham, Ontario



Grow

Note: Dr. Schuler's columns as will be public print. Performed accompanied by Dr. W. J. Schuler.

The selection of is one of the most in one's life. Ever Sometimes the diet essential to the nutrition of all the food elements health will be favored.

But, sometimes in certain important quantities of food appears deficient, but the diet is not. Signs of ill health. The ill health may be a lack of something in it, or it may be caused by excessive amount of some of food. The hunger may be fed with too much meat up on sweets.

Meat Necessary Let it be understood an extremely valuable is not a plea against it. It is generally accepted that a well should include some meat for people living in cold climates. Sugar and sweets of

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#### HEALTH

##### Eggs As Food

M. L. M. asks: "Why having a lot of argument. Some say they are bad. Would you mind telling me you think about them? Like to know if they are like to know if they are boiled eggs all right? Is the coloring that is in eggs—poison?"

##### Reply

1. Eggs may prove that excessive amount of in the of any disease in which protein is indispensable. Individual should suffer from eating eggs if he has them in excess. On the they are a valuable food sometimes react in a to egg albumen.

2. One egg has a 75 or 80 calories. So the shing. They are containing fat and contain

3. Eggs are best given soft boiled or cooked, and friend eggs are not considered suitable for children.

4. The coloring used in eggs is generally harmless.

##### Paralysis Agita

Mrs. W. H. writes: "My is 58 years old. He has been developing a which he shakes and tremble. We notice he is sitting down, he does something with

##### CARELESS SMOKER BURNS AMABEL'S

Five completely destroyed big barn of William C. 7th Commission of Annual day evening together contents. There had been sale during the day, and was just about to burn fire before any one could whole structure was burned to the ground in time. It is thought that sale, some one must have cigarette or some ash on the live stock and many all out, but over 35 tons

#### THE

HONEST Y GOD PAY

