

SAFEGUARD YOUR INVENTION!

Consult **HENRY HUGHES LTD.**
DIRECTORS: W. E. HUGHES & J. T. HUNTER
REGD. PATENT ATTORNEYS, 214-217 D.I.C. BLDGS. WELLINGTON

IT'S NOT TOO LATE—
to start training now for a better position and more money. The I.C.S. CAN help you. Send for Free Prospectus which describes the efficient I.C.S. method of spare time training and study at home. Over 300 Courses.
Advertising, Show Card Writing, Salesmanship, Short Story Writing, Concrete Eng., Short Story Writing, Electrical, General Education, Building Contr., Business Management, Fashion Drawing, ment.
Let us know in which subject you wish to improve yourself—no obligation—but act NOW.

**INTERNATIONAL
CORRESPONDENCE SCHOOLS,
182Z, Wakefield St., Wellington.**

**STUDY
SERVICE
ENGINEERING
AT HOME**
Write for particulars to
**SCHOOL OF RADIO
ENGINEERING**
VEMBLEY HOUSE, RAILWAY SQUARE SYDNEY

HEALTH!

"How to Conquer Constipation"—by Will R. Lucas. This booklet will be universally quoted and valued. A positive cure is contained in it.

Post free, 1/7.

"How to Remedy Rheumatism"—by Will R. Lucas. This little book will be welcomed by thousands.

Post free, 1/7.

"How to Cure Rupture"—by Will R. Lucas. A practical work containing much sound instruction and advice.

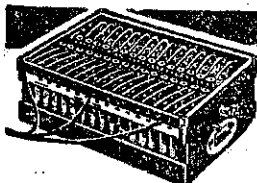
Post free, 1/7.

"How to Adjust Your Weight"—by Will R. Lucas. In this it is shown how natural methods will make the adjustment you require. Post free, 1/7.

"Sickness and Health." The system described in this book is approved by the medical profession and enables you to reduce without any unpleasant complications. Illustrated by 62 photographic reproductions.

Post free, 4/9.

"Know Thy Body," by "Medicus." This is the most fascinating book and is packed with knowledge vital to every man and woman. Post free, 4/9.
**DOMINION HEALTH BUREAU,
P.O. Box 609A, Wellington.**



DISCARD DRY BATTERIES

RADIO ENTHUSIASTS! Get rid of your expensive Dry "B" Batteries. MILNES "B" ACCUMULATORS not only give you better reception, but you charge them yourself from your 6-volt accumulator at practically no cost. Save pounds annually by investing in Milnes. Obtainable on easy terms. Send 8d. in stamps for interesting 24-page descriptive booklet

FREE

Write for Johns Ltd. big Radio and Accessories Catalogue.

JOHNS LTD., Box 471, Auckland

QUESTIONS AND ANSWERS

"STATION 94K/A" (Invercargill): Is there a one-valve or two-valve A.C. receiver which could be adapted to put in a portable case?

A.: In the July, 1935, "Radio Times" we described an "A.C. Twin" which could be adapted for this use. Copies of this issue are available at 1/1 posted.

"K.J.D." (Te Kuiti): My T.R.F. has developed a fault, in that the volume drops with the volume control on full and gives the maximum with the volume controlled a shade back from full.

A.: This fault may be due to the volume control itself, as some, when worn a bit, have a higher resistance at the low resistance end than they should. A clean here with petrol will often fix things, otherwise a new control is indicated.

ed. But with the other question you ask, about the hum and heating of the transformer, there seems to be more than this. You should check all resistances for value, both when cold and when hot, and also all condensers. It almost seems that a bypass condenser, most likely on a screen, has open-circuited. It is difficult to advise definitely without seeing and hearing the receiver itself.

2. There is a closed circuit jack in the detector cathode circuit. Is that for pick-up connection?

A.: Yes, the jack is evidently there for that purpose.

"ARCHIE" (Nelson): My aerial runs over the roof for about one-quarter of its length. Is this a disadvantage?

A.: If the aerial is near the roof and the roof is iron, then it is a disadvantage.

2. How should an aerial be erected to obtain the best results?

A.: The aerial should be clear of all objects as far as possible and as high as it is convenient to put it; height at the expense of length. About 100 feet of wire altogether, from the aerial terminal to the far end of the aerial, is about the average, and if the aerial is supported on two poles then the far end should be the higher.

"COMMANDER EIGHT" (Sydenham): Thanks for your letter giving us the results you have had with our sets.

The trouble you are having seems to be in that instability that you term "slight." A common cause of whistles and broad tuning is instability in either an R.F. stage or I.F. stage, and the only cure is to track the point where the instability comes in. It may take some time to do this, but the set will not be of much use till you get the set stable. Check your bypassing and see that there is no coupling between wires under the chassis, etc. We sympathise with you this time!

BECAUSE "most of the complaints made to the police about noisy, wheezy, ill-regulated radio sets refer to very old apparatus," Austrian radio manufacturers recently destroyed about a thousand old receivers. The idea began in Denmark. The radio firms give sets not more than two years old in exchange for the old ones, at a nominal price or none at all, and when fifty or a hundred old sets have been assembled, a few strong men with sledge hammers are let loose on them in the presence of the firms' directors.

Information Coupon

(To be used with all requests for information.)

Name of set

Model

Name

Address

.....

.....

.....

.....

.....

.....

.....

.....

.....