

Round the World on SHORTWAVE

Conducted by F. W. SELLENS

Short-wave Notes

Daylight Saving Time.

WE are near the time of year when several countries alter their clocks, and as time is a big factor in short-wave radio reception it will be as well to note the changes of time in various countries to which we make a habit of tuning. As we in New Zealand go forward half an hour, certain countries north of the line put their clocks back one hour, with the result that the times of transmission as received in this country will be one and a half hours later.

We, of course, put our clocks on half an hour on the second Sunday in October till the third Sunday in March. In Great Britain the clocks are put back one hour on the first Sunday in October (that is back to Greenwich mean time) till the third Sunday in April.

Some places in the Eastern States of the United States of America observe daylight saving time of one hour. I don't know the exact date, but they usually change about the same time as Great Britain. This year they have already gone back to Eastern standard time.

Other countries with short-wave stations that use daylight saving are France, Spain and Holland.

Readers who have lists of short-wave stations issued in the Radio Guide or by the New Zealand Short-wave Club must watch these changes when looking up the transmitting schedules in any of the countries mentioned.

Schmeling v. Walker.

THE contest between Max Schmeling and Mickey Walker was broadcast by the KDKA short-wave station W8XX. On 48.86 metres, last Tuesday week being 100 per cent. readable at R8-9 from the start of the fight at just after 4.30 p.m. till Walker's manager threw in the towel and Schmeling was awarded the match on a technical knock-out just after 5 p.m. Two announcers made the description very interesting.

English News from Rome.

AN English news session from 12RO, Rome, 25.4 metres, was heard on Saturday between 6.45 a.m. and 6.55 a.m. This may be a daily event, but have not heard it before.

Notes on Reception.

THE best time just now for reception from Europe is during the early hours, with one exception—G5SW. Radio Colonial, on 25.2 metres, is good till 6 a.m. They do not commence on the higher wavelength till later. 12RO, Rome, 25.4 metres, is R9 from 6.30 a.m. RU59, 50 metres, is excellent from before 6 a.m. HVJ, 50.26 metres, and Zeesou are also very good.

The 50-metre stations are coming in better now during the late afternoon. On the other hand, the 31-metre stations are weaker. The changes of time during the next week or two will make some difference in reception.

Thursday, music was heard at R8-9, but static was too bad to identify.

HVJ, Vatican City, 50.23 metres.—On Saturday the Vatican station was on till 6.15 a.m. and again from 6.30 a.m. All talk at R9. The quality was excellent.

RV59, Moscow, 50 metres.—This station was very fine on Saturday from 5.45 a.m. with a musical programme at R9. They closed about 6 a.m. and reopened at 6.30 a.m. with "International" and a talk session, still at R9. Volume starts to go off soon after this, and they are seldom heard now after 8 a.m.

W8XAL, Cincinnati, 49.5 metres.—Only heard on Saturday. R3 at 3.30 p.m., increasing to R8-9 by 4.30 p.m. They were quite good, but a little noisy.

W9XF, Chicago, 49.18 metres.—Also on Saturday only, just audible at 3.30 p.m., not becoming readable till 4.30 p.m., when the call of W9XF was heard, strength then being about R4.

W8XAL, Boundbrook, 49.18 metres.—They were their usual good volume on Sunday, but static spoilt reception.

W8XX, Pittsburgh, 48.86 metres.—On every afternoon now till about 5 p.m. First audible soon after 3 p.m., reaching good volume by 4.30 p.m., as a rule.

REN, Moscow, 45.38 metres.—Very good on Wednesday morning at 6.30 a.m. with music at R6.

Radio Maroc, Rabat, 32.26 metres.—A Monday morning station. Good at R9 from about 7.30 a.m., but soon going off.

PRVA, Rio de Janeiro, 31.58 metres.—At 11.30 a.m. on Saturday, with talk at R8.

VK3ME, Melbourne, 31.55 metres.—R8-9, slightly gushy, on Wednesday from 9.30 p.m.

W2XAF, Schenectady, 31.48 metres.—Reception poor now. Best on Saturday, being just audible at 2 p.m. R4 at 3 p.m., and up to R6 when closing down at 3.30 p.m.

DJA, Zeesou, 31.38 metres.—Only heard at north-while volume on Wednesday, when they were excellent at R8-9 between 6.30 a.m. and 7 a.m. I have not heard this station after 8 a.m. during the week.

W1XAZ, Springfield, 31.35 metres.—Another station gone off. Very weak now at any time, best on Saturday, reaching R5, but gushy by 3.30 p.m.

VK2MB, Sydney, 31.28 metres.—Was very poorly received on Sunday; quite unusual. Very weak early in the first session, and only R7 (and distorted) at 5.30 p.m. The next session was not any better. On Monday the conditions were similar early, but soon after 7 a.m. the usual R9 signal came in, and all was well till closing at 8 a.m.

(?) Japan, 31 metres (about).—Late on Saturday night, Japanese talk was heard at R8-9, similar to that which was coming from J1AA at the same time.

J1AA, Japan, 30.5 metres.—Every evening at quite good volume, talks and native music.

EAQ, Madrid, 30.4 metres.—This station is only just audible each day during their regular transmission.

Radio Colonial, Paris, 25.6 metres:

Questions and Answers

(Continued from page 10.)

give you good results from the dynamic you speak of. However, how would you energise the field supply?

12HB (Hawke's Bay).—What is the minimum number of valves required to give phone reception in daylight of 2YA at a distance of approximately 160 miles?

A.: Probably one valve would do it.
2.—Am I doing any harm by attaching phones to the terminals of the speaker, using both at once?

A.: No, providing that there is not a high potential across your speaker. By "high" we mean something in the region of 180 volts upwards.

SW3 (Wellington).—Would it be an advantage to substitute four or six volt valves for the two-volt ones in my shortwave set?

A.: None whatever. The two-volt valves are quite as good as the 4 and 6.

2.—Would an aerial 35-40ft. high and 25ft. long be suitable for shortwave reception?

A.: Yes, it would be admirable.

"AUDION" (Napier).—My set, using 33 amps, runs No. 6 cells flat after 40 hours' use. Is this in order?

A.: Yes. You would be far better to put in a bank in series parallel. Purchase, say, 9 cells, connect them as you would for the ordinary set in groups of three. Then connect the free positives together and the free negatives together. Take one lead from each of these points to the set.

2. Would the Daniells cell described in the "Times" and regulated by a rheostat be suitable to supply the current need for the set?

A.: It is a little bit too much. However, the experiment will be worth trying. You may have to put two sets of Daniells cells in parallel, and we think you would get results.

3. I recently constructed the "Neutron Four," and could get the local stations quite clearly with the detector valve out of its socket, without any other wiring changed. Was the high-frequency stage, which is biased, acting as an anode bend detector?

A.: Yes.

A1 TEDDIE (Wellington): I cannot cut out 2YA, and it comes in all over the dial. I have tried a wavetrap without success.

A.: A wavetrap should do the job. Probably a local dealer would lend you another one. Yours may not be efficient, or perhaps you are not adjusting it carefully.

Varies, but usually about R8 till 8 a.m., after which it weakens.

G5SW, Chelmsford, 25.33 metres.—Varies considerably, but usually very weak. The evenings are improving. On Saturday they were R5 at 11.45 p.m., and quite good at R7 soon after midnight till signing off at 12.30 a.m.

12RO, Rome, 25.4 metres: Good most mornings till about 8 a.m., when they go off.

W8XX, Pittsburgh, 25.25 metres: Heard on Sunday for a little while at R3 soon after noon.

Radio Colonial, Paris, 25.2 metres: Tuned in on Saturday at 6 a.m. just in time to hear them signing off. They were gushy at R5.



IT OPENS THE DOOR OF OPPORTUNITY

Technical qualification is now demanded in every walk of life, therefore the I.C.S. Student of to-day will be the permanently employed man of the future.

I.C.S. training has put thousands of average men into big jobs—and kept them there.

DON'T SAY YOU NEVER HAD A CHANCE!

THE I.C.S. ILLUSTRATION METHOD makes home study practical

Write for Information now—

International Correspondence Schools (New Zealand) Ltd.

182B, Wakefield Street, Wellington

Sir,—Please send me a free prospectus showing how I can succeed in the occupation I have underlined. (If your subject is not listed, write it here)

Accountant (Inst. Ex.)	Aeroplane Engin'r.
Com. Illustrator	Aeroplane Rigger
Fashion Drawing	Aero. Designing
Cartoons & Clowns	Motor Engineer
Poster Drawing	Motor Mech. Exam.
Journalism	Electrical Engineer
Short Story Writing	Elec. Mech. Exam.
Shoe Card Writer	Elec. Women's Ex.
Salesman (any branch)	Radio Engineering
Advertiser (any branch)	Radio Exam.
Window Dressing	Radio (Talkies)
General Bookkeeper	Building Contractor
Station Bookkeeper	Civil Engin'r.
Retail Management	Structural Engin'r.
Business Economics	Draughtsmanship
General Education	(name which branch)
Matriculation	Architect
Leaving Certificate	Shire Engineer
Intermediate	Shire Overseer's Ex.
Nurses' Ent. Exam.	Mechanical Engin'r.
Shorthand-Typing	Metal Prospecting
Dress 'k' g' T' ring	Chemistry—Assay'g.

(There are over 4,000,000 I.C.S. Students, over 26,000 of these being in New Zealand.)

ENQUIRIES COST NOTHING—POST NOW

Name.....
Age.....Occupation.....
Address.....
R.R.

Use Our Booking Offices in Advance

S-O-S

TRAVEL IN COMFORT BY
CAR

WELLINGTON — PALMERSTON
NEW PLYMOUTH

ANOTHER SENSATIONAL HIT BY

McCABE'S RADIOS

introducing the finest quality
5-VALVE SUPERHETERODYNE
CONSOLE RECEIVER.

CASH PRICE, £19/10/-

Complete
12 Months' Guarantee. Terms: £25
Down, 6/3 weekly for 52 weeks.
McCabes Radios, Newton, Auckland.

For QUALITY & PERFORMANCE

T.C.C. Condensers

N.Z. Distributors:
TURNBULL & JONES,
Ltd., Electrical Engineers &
Contractors, Auckland,
Wellington, Christchurch,
Dunedin.

At All
Dealers

WIN £100!

Send for
FREE 1932 RADIO and
SPORTS Catalogue for full details
of £100 competition, and the latest
in Radio and Sports equipment.

JOHNS LTD.
P.O. Box 471, Auckland

Log for Week Ending October 1

RV15, Siberia, 70.1 metres.—Good volume as early as 8 p.m.; better later.
59 metres (about).—At 11.15 p.m. on

BURGESS RADIO BATTERIES

FOR Fifteen Years BURGESS—the
British Radio Batteries—have been
the accepted standard of radio battery
dependability... the choice of experi-
enced scientists and explorers.