Mr. A. P. Morrison (Brooklyn) writes:---

Shortwave reception this last week has been very good with me. I have cleared up the mystery station. "JCE. Paris." This station was heard after midnight on Tuesday, January 15. He was operating on 26 metres, and his call-sign was heard three times. It is: Radio-Electrique, Hausmann, Paris.

Two other new stations have been heard, PLG, Java, when heard last night was operating on 17 metres by the readings of my condensers, and they stated that PLG was a new transmitter, and last night was their first transmission. I might state it was said from PLG that Java has five I.s.w. transmitters now, and that all callsigns have changed. These calls were mentioned: PLE, PLF, PLG, PLR, and PLI. I have written to Java in regard to their changed call-signs and wavelengths.

2ME, Sydney (Australia), call-sign is now PK2ME.

My log for the week is as follows:--

Friday, January 11.

6.30 a.m.: 7LO, Nairobi, heard giving news reports, and afterwards R4. music; R6.

7.5 a.m.: 58W was R7 fading; spoilt ception. 9 p.m., W2XG, Rocky reception. Point (America), with his word-test (write down transformer, etc.), RS. 9.30 p.m., RFM, Russia, was at good volume: R8. More talk, then music, as usual.

11 p.m.: PCLL, Holland, broadcasting music was R9, but distorted.

11.15 p.m.: ANE, Java, 15.74 metres. with music, volume was tremendous and modulation was perfect (I might say, R19). Afterwards both stations carried out duplex telephony.

Saturday, January 12.

No SW stations in the morning.

3.30 p.m.: W2XG, Rocky Point, word test; strength, R7; W2XAD was not heard, or KDKA. W2XAD I have not heard since he changed his wavelength down to 19 metres.

9 p.m.: RFM, Russia was at good strength; R8. I did not listen again on the SW band till 12 p.m., listening to 2YA and the boxing from 2BL, Sydney.

12 p.m.: 52 metre stations as reported before. Musical items; strength R6: no call-sign heard.

12.18 p.m.: Station on 41 metres, both musical and vocal items heard; R7. Call-sign heard, PRN, but did not not leasting. get location; foreign.

1 a.m.: PELL, ANE, and ANH were all heard on duplex telephony with one another, the two former stations at R8 and ANH, R7.

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Round the World on Short Wave

Sunday, January 13,

Between 11 a.m. and 12 p.m., 2AX, Palmerston North, on 82 metres, test-

3.30 p.m.: W2XAF, B4, dance music, but increased to R8 by 5 p.m.

4 p.m.: KDKA very weak, R3 to 4; did not trouble him much in afternoon, heard him again at 6 p.m. Special programme to Byrd expedition was heard back on 25 metres and 63 metres. His strength on 63 metres was R8, while on 25 metres he was only about R6. This programme concluded at 8.15 p.m. New Zealand time, quite an enjoyable programme.

Monday, January 14.

ing programme. Strength was R8, but fading slightly.

RFM was heard in the evening. R7. two New Zealand amateurs, ZL2AR working ZL2GA.

Tuesday, January 15.

6.30 a.m.: 7LO, Nairobi, very weak;

58W was not heard by me.

9 p.m.: JHBB, Japan, on 32 metres. Modulation was quite good for the old Jap for once; R6.

9.30 p.m.: W2XAG, as usual, word test; R7.

10 p.m.: RFM, Russia, with some good music; R8.

12.5 a.m.: FL (2CI, Paris) heard on 21 metres, absolutely fect modulation and strength R9. My reamusic was heard, all speech. son for so late a sitting this night was to test the strength of 58W. He was heard at 12.45 a.m., two faint items receptions with us are better than the morning. I was surprised at the volume; strength was R8. Before closing down for the night a station on 15 metres was heard at R6. man talking in foreign language, but could not make out the call.

Wednesday, January 16.

7 a.m.: 58W with a vocal item; R6. 8.20: ZL2GH, Wanganui, 80 metres, testing: R7.

9.15: JHBB, Japan, operating on 60 Even better than Tuesday metres. night: mostly talk. Strength R8.

11 p.m.: PK2ME, testing with PLG, A slight Java, duplex telephony; R8.

11.5 p.m.; PLG, Java, as above. PLG performed a new one to me. one part of their transmission the announcer stated that he would connect a telephone line from the studio for someone to talk to PR2ME, and the test was quite good at this part of the transmission. 2ME could distinctly be heard at PLG end.

Thursday, January 17.

9 p.m.: JHBB, 37 metres. When first heard a little girl was singing. but modulation and strength was not too good, so did not trouble him much. To-night I have taken my About R6. entertainment from RFM, Russia. They have had a full night's programme and are still going. Some wonfor; R9.

Short Wave Peculiarities

Helpful Hints

WHEN one gets down on the really short waves, such as the 20 to 35-metre band, usually a number of things strike him as being perplexingly different from the conditions he is familiar with on longer waves, and although he may get used to them, there be pleasanter to work if it would behave in a more rational fashion.

Sometimes it is possible to remove or 6.45 a.m.: 3LO, Melbourne, was on reduce these little peculiarities by var. and G. leads to transformer) or being the air with their usual Monday morn- ious dodges, such as one learns by ex- upset by intruding stray H.F. currents perience, and the disconnected notes getting rid of two of the most tire- denser, and space out the parts a little some ones. They are based on experi- more widely). ences with sets of the general type likely to be in use among readers, and it may be taken that the remedies suggested are of a universal nature and will suit practically any case.

Moving "Flat Spots."

on the tuning range of the set. These sion by wireless, have recently designare patches-sometimes only a few de- ed a two-way television apparatus ingrees wide, at which a great deal more tended for use with the ordinary telereaction has to be used to make the phone service. set oscillate (in extreme cases it may scriber at one end of the line to sec, refuse to oscillate at all), and on as well as hear, the person at the either side of which reaction is quite other end of the line. normal again.

It may be found that there are two taining two apertures. first heard, and I must say his night range of a given coil, and they can be aperture, whilst the other receives the receptions with us are better than a great nuisance, in ways which need reflected light from the head and not be described since they will be shoulders of the local speaker. painfully familiar to most readers who tating disc with two series of spiral remedy recommended is to place a analysing the outgoing television sigelse), it is rather a nuisance to be lamp. obliged to transfer the aerial lead to necessary. tion. Besides the condenser, if small rying a synchronising current. enough to do its job, usually reduces signal strength a little.

A better cure in most cases is to weaken the coupling of the aerial to the tuned circuit. Where a separate aerial coil is used this is fairly simple, and it generally pays to provide some scheme for swinging this coil away from the secondary. For example. where plug-in coils are employed, you can use only a single screw for fixing the aerial coil socket, so that you can afterwards adjust it to various angles. Flat spots are generally quite easy to move in this way.

Cures for "Threshold Howl."

WHEN the aerial is connected straight to the tapping on the tuned grid coil matters are a bit more difficult, and probably the best solu- Zealand Radio Publishing Company tion is a tapping clip which can be at the registered office. quickly moved from turn to turn to give Street. Wellington, of the Wellington derful music and singing heard and various degrees of coupling. The only Publishing Company, by Archibald strength is everything you could wish serious drawback to this method is Sando, of 47 Freyberg Street, Lyall that it causes considerable changes of Bay, FRIDAY, JANUARY 25, 1929.

wave-length, so that you must be prepared to re-tune fairly frequently to find your station again.

Then again there is that annoying squawk or howl heard with some sets as they go into oscillation, commonly called "threshold howl," since it stops once oscillation has started properly. It is a rather mysterious complaint, but the main causes appear to be these (the remedies being fairly where they are not given):

(1) Aerial coupling too tight.

(2) Reaction winding too big, or possessing too much capacitative rather than magnetic coupling to the grid coil.

(3) Detector valve of too high an impedance, or unsuitably supplied with is always a feeling that the set would B. and A., or unsuitably biased as to grid (try connecting lower end of grid leak to slider of a potentiometer).

(4) L.F. side unstable (reverse G.B. (use better H.F. choke, by-pass transwhich follow are intended to help in former primary with .0005-mfd. con-

Television by 'Phone

THE well-known American Bell Telephone Laboratories, which were FIRST of all we have the rather cur- responsible for the first public demonious phenomenon of "flat spots" stration of moving-picture transmis-It enables a sub-The ordinary microphone is backed by a screen conor three of these patches on the tuning of the distant person appear in one have tried the short waves. The usual holes serves the dual purpose of small fixed condenser in the aerial nals and of reassembling the incoming lead, and although this works (at any television currents after they have rate, it shifts the flat spot somewhere been applied to a local Neon glow-Four connecting line wires are One for carrying speech, a fresh terminal on the set, and then one for carrying the outgoing television shift it back when the flat spot is en- currents, one for the incoming telecountered once more in its new posi- vision signals, and the fourth for car-

> TT is said that during the recent gales that have swept Europe, the Eiffel Tower swayed so violently that visitors were kept off the top stage.

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