Short-wave Jottings

less than usual the last month or so, could be done easily if the language first being the use of too long an earth but have had several interesting trans- were understood.

KGO on Short-wave.

"Roses on about 23 metres at 6 a.m. of Picardy," a cornet solo, at R8; very clear and steady. The call following "California Home Life, Station Was KGO."

A house was then described which was for sale at Berkeley; the owner was referred to by initials. Musical A talk was then items followed. heard on how to choose pictures for This was interesting and the home. The "California Home instructive. Life" broadcast concluded at 6.30 a.m., when a programme by the National They Broadcast Co. was announced. were still going strong when I had to station. broadcasting on dual wavelengths struck, you generally glean some use- late strongly. Probably this was mentioned at the ful practical information which will start and conclusion, which was not probably come in very handy in the to get rid of, but one or more of the I have not heard them since future. that date.

Germany, working duplex telephony with VK2ME, Sydney. I have heard these stations several times early in The German comes in at splendid strength, clear and steady. Usually their speaker has a very limited knowledge of English, making his This evening, talk difficult to follow. Friday, February 15, a fresh man who could make himself understood was In concluding, he said announcing. he would like to be in Sydney and wished the Australian speaker a good week-end.

WITH me the Americans have been a failure on Saturday afternoons, KDKA closing before reaching decent state, so that signals disappear altovolume and 2XAD not audible. The latter station is better in the morning On Sundays, 2XAF is as a rule. quite good during the latter part of KDKA carries on their transmission. till later and gets better.

the morning now. have given the latest bulletin of the King's health. have been from 75 to 100 per cent.

readable at R7-8.

Apparently the Friday morning's transmission from PCJ is special for British India, Egypt and South Africa, and these countries are called at intervals with names of listeners who have sent reports similar to the special New Zealand and Australian transmission on Saturdays.

I have not heard 7LO, Nairobi, the They are either last few mornings. too weak for me or ceased transmitting on about 33 metres.

RSR has been heard once recently, on about 40 metres; strength was R9. condenser, and so on, there is a notice-Now talk with long pauses as though, able change in tuning,

MR. SELLENS writes:-My short it were intended for the listener to

earlier than usual and tuned in during the latter part of the evening.

On Short Waves

Some Peculiar "Freaks"

about short-wave work is that you these points at a time, of course.) occasionally stumble on something

Now, one of these peculiar little dif- cure:ficulties which causes great bewilderdinary hand-capacity effects, of course,

harmless proportions.

slight change in tuning occurs when wire to earth. the hand is placed on or removed from the dial, and (b) on the reaction condenser, where it may happen that on getting the set on the verge of oscillation and then taking the hand away it will either break into oscillation or subside to a point considerably below the most sensitive "just on the edge"

Simple Remedies.

SIMPLE remedies, such as taking care "earth" side of the filament, the use text of any morse or radio telephone of a good vernier dial so designed that messages they may chance to pick up, PCJ and 5SW are much better in the fingers do not approach very near which are not intended for general in-The last few days to the body of the condenser, the choice formation. 58W, after the striking of Big Ben, of a good circuit, and so on, will do a don G.P.O. has thought fit to issue the great deal to keep these troubles down, The talks following but it is far otherwise with another form of hand-capacity effect, which is o freakish as to be quite startling the first time you experience it.

What happens when this is present is that you discover that there is quite a bad capacity effect between your hand and any earthed part of the circuit! For example, if you adjust reaction so that the set is just oscillating and then touch the earth terminal oscillation ceases, while as the hand approaches the terminal, or any other earthed point, such as the L.T. leads, the earthed side of the tuning broadcast programmes and messages Publishing Company, by condenser, and so on, there is a notice-sent for general reception and mess Sando, of 47 Freyberg S

There appear to be two main causes tion in connection with experiments wave listening has been much copy down all that was said, which for this peculiar state of affairs, the carried out by the licensee. lead, which is most likely to cause wireless reception happens to inter-RFM continues to come in well, but trouble on the shorter wave-band (20- cept a private message, he is specifi-ON Saturday, February 2, I was up heard calling Kootwijk several times city" earth, consisting of a few yards person. of wire lying on the floor, and any license reads as follows:other type of alternative earth (gas or water pipe, etc.) which may be avail-

Try, also, connecting the earth to various different points instead of to the "E" terminal, e.g., to the negative of the L.T. battery to the moving vanes of the tuning condenser, or to the negative terminal of the detector ONE of the most fascinating things valve socket. (Connect to only one of

The other possible cause is the preswhich seems to be contrary to all the ence of H.F. currents in the 'phones, rules, and gives you a most interest- and where this is the trouble you will ing time before you get to the bottom generally find that if you adjust the Nothing was of it, says a writer in an exchange, set to the very verge of oscillation said in reference to the short-wave Even if you never quite fathom the and then grip the 'phone cords tightly phone services, the Postmaster-General I take it that they were reason for the particular snag you have in the fingers it will immediately oscil-

This is a rather more difficult trouble following dodges will usually effect a

Put a condenser of .001 mfd, across A NOTHER interesting stranger on ment when it is experienced for the the 'phone terminals, try a different the short waves is DHC, Nauen, first time is a form of hand-capacity H.F. choke (a No. 50 plug-in coil is effect of a very strange nature. Or usually quite good), reverse the leads to I.S. and O.S. of the L.F. transare fairly simple to understand, and former if one is used (not desirable if not very difficult to reduce to almost it can be avoided), bind the 'phone cords round with No. 24 or 22 D.C.C. They generally appear at two points: wire for about a foot of their length (a) on the tuning condenser, where a and connect one end of the binding

Interpreting Morse Transmissions

Warning to Listeners

IT is contrary to the New Zealand Government radio regulations for to put the moving vanes to the any radio listener to divulge the con-The secretary of the Lonfollowing warning:-The Postmaster-General's attention has been called to the publication, in the London press, of several letters from correspondents concerning their interception of trans-Atlantic telephony, and he directs me to point out that the deliberate interception of such messages is contrary to condition (1) of wireless receiving licenses (and a corresponding condition in experimental licenses) which reads as follows:-

1. The licensee shall not allow the station to be used for any purpose Zealand Radio Publishing other than that of receiving in the at the registered office, premises occupied by the licensee Street, Wellington of the

If a licensee in the course of his not quite as strong as a while back. 35 metres). Where you suspect this cally forbidden to divulge it or allow The Java station, late ANE, has been is the trouble, therefore, try a "capa- it to be divulged to any unanthorised The relative condition of the

4. The licensee shall not divulge or allow to be divulged to any person (other than a duly authorised officer of His Majesty's Government or a corpetent legal tribunal) or make any un whatsoever of any message received by means of the station other than broadcast matter sent out for general reception, and messages sent from an experimental station in connection with experiments carried out by the licensee.

As it seems possible that there may be some misapprehension in regard to the interception or divulging of private messages which are being transmitted by wireless telegraph or wireless telewishes to draw attention to the license conditions quoted above.

Broadcast Innovation No Transmitting Valves

GERMAN firm, with their technical manager, and their eers, and using fundamental patents of numbers of eminent research workers, have now developed a transmitter solely employing generators instead of the expensive valves for broadcast wavelengths right down to 250 metres; and work is going ahead, I am told (states a writer in London "Popular Wireless"), to adapt the new type of transmitter for the shortwave band down to 15 metres.

The first of these transmitters has been installed in Munich, and will shortly take over full time work. The transmitter has had rather a bad time of it, and during one period the Munich listeners had the rather dubious honour of suffering from the new transmitter in its crudest experimental stages. This was as early as 1925 at the All German Traffic Exhibition.

Since then it has been completely redesigned and rebuilt, and is now even better than the existing type of valve transmitter quite apart from being much cheaper in operation, as there are no expensive valves to renew.

I hear that a further transmitter of the same type will be erected in eipzig during the coming year.

When I viewed the new transmitter in Munich, the original inventors of all the more important improvements and alterations were there, and I got first-hand technical details, which I could not attempt to put down on paper—they were far too formidable.

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