

Report on Atmospheric Noise heard on Sunday 18th November 1956.

The noise heard in this report was like high speed ignition interference with occasional high pitched screeches of short duration, and was heard on a mobile receiver during a trip from Lake St. Claire to Latrobe.

The mobile unit, VK7JO was drawn by the Owner and operated by VK7DR with VK7EJ also in the car. Radio contact was ~~MAINTAINED~~ with VK7BR (Bronte) VK7WN (Tarraleah) VK7JP (Queenstown) VK7CK (Deloraine) with reports from, VK7SD and VK7RM (Hobart), and VK3AXU (Melbourne). Logs were also kept by two monitoring stations one at Latrobe and one at Devonport.

We left Bronte at approximately 1540 in fairly heavy rain and contacted 7BR, 7WN, 7JP, 7RM while travelling in heavily timbered country. At approximately 1610 we reached Little Pine dam and came into open country. It was here that the noise started, and we thought that something had gone wrong with the receiver. This was helped by the fact that, as we moved power supply wires the noise would suddenly stop, and then as the wires were put back into place again suddenly start. After a few minutes we realised it was not our movements causing this, and on disconnecting the aerial the noise stopped indicating where it was entering the receiver.

To give an indication of the strength of the noise the receiver consists of a 12BA6 RF, 12AE8 Mixer, 6BA6 I.F, 6AL6 DET & NL, 12AT7, AUDIO AMP, 12AQ5 OUTPUT, And a "S" meter gives approximately a quarter scale reading for a S9 signal, but this noise held the meter stationary at two thirds full scale.

The antenna is a centre loaded whip resonated at about 7.1 MC/S and the frequency used was 7.044 MC/S.

While we were stopped investigating the receiver we gave a call stating that we had receiver trouble and this call was logged at Latrobe at 1617 hours, with an "S" meter reading from 5 to 8 (apparently QSB) and at Devonport 1615 readability 4 (No "S" meter).

As we moved on from this point heavy rain continued to fall, and started turning into sleet. The noise continued along the Marlborough Highway until we reached the Lake Highway and moved north along the shore of the Great Lake when it gradually stopped and we pulled up to try and establish contact. At this point our signals were reported weak so we moved forward to get clear of surrounding trees, but when we reached an open space the noise came up, and we then realised that while we travelled through heavily timbered country there was no sign of the

1610 - 1655	High noise , rain and sleet	Malborough Highway.
1710 - 1713	High noise , snow	Lake Highway.
1723 - 1724	High noise , snow	Lake Highway.
1725 - 1727.30	High noise, snow	Pine Lake.
1728 - 1731	High noise, snow to rain,	Lake Highway.

The earlier periods of no noise were during stops and in wooded areas, From 1723 onwards the country was open and those brief periods of no noise were definately a cessation of the noise itself. The noise did not vary in strength and when it stopped it did so suddenly disappearing entirely. Snow was falling during this latter stage.

At 1731 the noise stopped and we had reached the Workman's hut as we started to descend from the central plateau, the snow now turning into rain.

No further trace was heard of the noise for the rest of our journey.

I trust that this report may be of some interest to those investigating this phenomena.

*J. Oliver*  
JK710.

## Hiss Station at Port Davey.

Observations by King, the tin miner, at Melulencu  
Received by G. Reber on 7 October 1956 and copied.

June 1956

- 14th Beginning of showers, all through day.  
16 " " " " " "  
17 Beginning 2:20pm, at intervals during afternoon.  
Continuous rain with snow above 500 ft. Noise not loud.  
18 Before showers, not so loud as usual.  
30 11:45a for few minutes, showery weather, snow + hail.

July 1956

- 2nd ? (probable occurrence, no details)  
8th During morning before shower. Weather, hail snow above.  
15 Frequently before + during showers. Snowy with  
sleet. Westerly (winds).  
20 During morning, before + during light showers.  
21 Night, 9pm.  
22 Throughout day, showery.

This phenomena associated with unstable cpl fronts. Had  
long discussion with Shields of weather bureau about  
it on 10/10/56. He will advise Harry Melling whenever  
one of these seems to be building up.

# Probable Occurrences of Hiss Static

August. Start 540pm 12th, End 340p 30th

13th 650-715a, 820-822a, 932-945a, 1048-1052a, 1158a-1216p,  
1252-125p, 906-915p, 958-1015p, 1115-1137p

all weak and irregular

14th 1103-1132a moderate

23rd 255-325a, 350-412a, 420-434a, 496-516a, 1145-1157a,  
1244-1248p, all weak + irregular

24th 1230-103a, 134-211a, 341-356a, 942-1000a, 1057-1112a,  
329-331p, all weak + irregular

26th 244-256p weak + irregular

27th 617-642a, 958-1003a, 1020-1022a, 1243-1255p, 143-145p,  
all weak + irregular

September Start 490pm 21st, End M.N. 30th

22nd 604-606p weak

No data 125p 25th-620p 27th.

28th 510-513a, 602-611a weak, 538-613p + 625-935p very  
strong, great disturbances with strong atmospherics afterward

29th 655-720p moderate

October Start 1201a 1st, End.

1st 153-300p very strong, 358-432p strong, 522-606p strong

These were witnessed in person at Kempton. See log book.

3rd 231-250p + 307-329p moderate, 516-543p weak + irregular

5th 510-528p moderate,

10th 119-137A weak + irregular

11 1252-1256p + 155-202p weak + irregular

13 726-819p strong, 828-836p + 950-959p weak.

# LOG BOOK

At change of watch, both relieved and relieving operator must sign.

**Amalgamated Wireless**  
(Australasia) Ltd

DATE June 1914

Ship or Station

Melalucca  
Port Davey

Ship Bound from

to

TIME	CALL LETTERS		STRENGTH OF		FREQUENCY USED	RECORDS OF SIGNALS HEARD
	To	From	Signals	Atmospherics		
14	Begining	Thowers				all strong all day
16						
17	Begining	2.20 pm				continuous rain with snow above 500ft
18						
30	11.45					for few minutes showery weather snow & hail
						July
8	during					before snow with hail snow above
15	frequently					begining during snow with hail weather
20	during					morning light showers
21	night					9 pm
22						the night day showery

(Tarraleah).

Tarraleah Report from R. Dow - 761N  
Started 1240 pm 4-11-56

Duration 5 mins

Slow build up & decay - rise & fall in pitch and amplitude. Levels on ARFF equivalent to 100 mv input.

Antenna V beam 413' per leg bearing NE-SW  
Weather very cold - snow on ground - overcast intermittent. Snow & hail all day - intermittent precipitation noise for short periods all day.

Peak around 7mc - reduced level at 2.6 mc - B'Cast band consistent level all over 14 mc - slight trace. 28 mc clear.

Steady sleet & hail falling during period before & after and during noise - no particular phenomenon associated with noise.

Close to power lines but definitely not associated with power leaks - 22 kv line 500 yds away - 240V distribution 50' away. Phone line 50' distant.

Noise like electrical noise generated by vacuum cleaner motor.

L. Edwards