

## Appendix 12

### AUDITORY EXPERIMENT: Summarised Findings

*Task 1 : dividing the utterances into intonation units (e.g. tone-units / tone-groups)*

**Numbers of tone-units / groups identified:**

<b>DATA</b>		<b>Intonationalists (V1 = 'Volunteer 1' etc)</b>				
<b>Extract</b>	V1	V2	V3	V4	V5	V6
<b>One</b>	9	10	10	13	17	14
<b>Two</b>	8	14	12	14	24	20
<b>Three</b>	8	13	17	17	21	18
<b>TOTAL</b>	<b>25</b>	<b>37</b>	<b>39</b>	<b>44</b>	<b>62</b>	<b>52</b>

<b>Range</b>	
<b>V1 - V6</b>	<b>V1 - V4</b>
9 - 17	9 - 13
8 - 24	8 - 14
8 - 21	8 - 17

<b>No of tone-units agreed</b>		
<b>By 4Vs</b>	<b>By 5Vs</b>	<b>By 6Vs</b>
8	6	2
8	0	0
7	2	0
23	8	2

**Task 2 (a) Underline all syllables you consider to be ‘prominent’ or ‘salient’ in each intonation unit.**

**Numbers of saliences marked:**

		Extract 1	Extract 2	Extract 3
V1	No. of saliences	27	34	22
	Words per salience	2.67	2.59	3.27
V2	No. of saliences	26	45	36
	Words per salience	2.77	1.96	2
V3	No. of saliences	32	42	36
	Words per salience	2.25	2.1	2
V4	No. of saliences	34	39	34
	Words per salience	2.12	2.26	2.12
V5	No. of saliences	24	37	30
	Words per salience	3	2.38	2.4
V6	No. of saliences	22	28	28
	Words per salience	3.27	3.14	2.57

**Task 2 (b) Circle any of these ‘prominences’ / ‘saliences’ which you consider to be a ‘nucleus’ or ‘tonic syllable’.**

**Numbers of nuclei identified:**

DATA	Intonationalists (V1, V2 etc)					
	V1	V2	V3	V4	V5	V6
One	11	10	11	16	17	14
Two	9	14	13	17	22	19
Three	9	12	17	20	18	18
<b>TOTAL</b>	<b>29</b>	<b>36</b>	<b>41</b>	<b>53</b>	<b>57</b>	<b>51</b>

Range	
V1 - V6	V1 - V4
10 - 17	10 - 16
9 - 22	9 - 17
9 - 20	9 - 20

**Task 3**      *Label the ‘tones’ found in each intonation unit.*

**Numbers of tones of different types identified:**

	Extract	Level	Falling	Rising falling	Rising	Falling rising	TOTAL
V1	one		4(2*)	1	6(2*)		11
	two		5(1*)		3(1*)	1	9
	three	1	1		3	4	9
	<b>TOTAL</b>	<b>1</b>	<b>10</b>	<b>1</b>	<b>12</b>	<b>5</b>	<b>29</b>
V2	one	2	2	1	5		10
	two		6		8		14
	three		1		11		12
	<b>TOTAL</b>	<b>2</b>	<b>9</b>	<b>1</b>	<b>24</b>	<b>0</b>	<b>36</b>
V3	one		4(1*)	2	5(1*)		11
	two		4	4	5		13
	three		2	2	13		17
	<b>TOTAL</b>	<b>0</b>	<b>10</b>	<b>8</b>	<b>23</b>	<b>0</b>	<b>41</b>
V4	one		7(2*)	2(1*)	7(3*)		16
	two		4	4(3*)	9(3*)		17
	three	1	3	6	10		20
	<b>TOTAL</b>	<b>1</b>	<b>14</b>	<b>12</b>	<b>26</b>	<b>0</b>	<b>53</b>
V5	one	3	5	1	8		17
	two	1	5	3	13		22
	three	3	3		11	1	18
	<b>TOTAL</b>	<b>7</b>	<b>13</b>	<b>4</b>	<b>32</b>	<b>1</b>	<b>57</b>
V6	one	1	8		5		14
	two	3	6	1	9		19
	three	6	4		8		18
	<b>TOTAL</b>	<b>10</b>	<b>18</b>	<b>1</b>	<b>22</b>	<b>0</b>	<b>51</b>

(Asterisk \*, indicates that V marked a double ‘nucleus’ in the tone-unit concerned)