### Appendix

**THE INTERNATIONAL PHONETIC ALPHABET (revised to 1993, updated 1996)**

<table>
<thead>
<tr>
<th>Consonants (Pulmonic)</th>
<th>Initial</th>
<th>Labiodental</th>
<th>dental</th>
<th>Alveolar</th>
<th>Palato-alveolar</th>
<th>Palatal</th>
<th>Velar</th>
<th>Uvular</th>
<th>Pharyngeal</th>
<th>Glottal</th>
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<td>p</td>
<td>b</td>
<td>t</td>
<td>d</td>
<td>t</td>
<td>c</td>
<td>j</td>
<td>k</td>
<td>g</td>
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<tr>
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<td>Stops</td>
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<td>s</td>
<td>z</td>
<td>s</td>
<td>z</td>
<td>j</td>
<td>x</td>
<td>h</td>
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<tr>
<td>Fricative</td>
<td>v</td>
<td>d</td>
<td>i</td>
<td>y</td>
<td>h</td>
<td>h</td>
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<tr>
<td>Approximant</td>
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</table>

Where symbols appear in pairs, the one to the right represents a voiced consonant. Shaded areas denote articulations judged impossible.

<table>
<thead>
<tr>
<th>Consonants (Non-Pulmonic)</th>
<th>Clicks</th>
<th>Voiced Implosives</th>
<th>Explosives</th>
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<tr>
<td>Initial</td>
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<td>y</td>
<td>y</td>
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<th>Nasal vowels</th>
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**VOWELS**

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<tr>
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<th>Open</th>
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<tr>
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**SUPRASEGMENTALS**

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**TONES AND WORD ACCENTS**

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<tr>
<td>Low</td>
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