## Natural Phonetics \& Tonetics © 2012 Luciano Canepari

Here are three 'new' languages: the two modern ones are Austronesian; the dead one is Coptic (Afro-Asiatic).

Cebuano (or $S$-, Philippines: Austronesian) has all the $V$ and $V V$ shown on the vocograms, due various to loanwords, although the original structure only had three $V$ (and some combinations). Other $V$ are separated by $/ \mathrm{z} /:[\mathrm{P} \cdot \mathrm{Pv}]$ 'yes'. Stressed $V$ in syllable- or word-final position are [ $\mathrm{V} \cdot \mathrm{V}$, in addition, they are nasalized when either preceded or followed by $N$. Besides, we have $[\mathrm{n} \equiv \mathrm{C}]$ and $\left[\mathrm{n}^{H_{J}}, l_{\mathrm{H}}^{H_{J}}\right]$.


Tetun (or -um, West Timor: Austronesian) has five V, with the taxophones shown in the vocogram, including their neutralization into [ə], or a complete fall, in / $\$ \mathbf{\prime} \mathrm{~V} \$ /$ sequences. But, on the contrary, in folk or rural speech, $C$ sequences, as $/ \mathrm{mC}, \mathrm{kC} /$, are broken up by the insertion of [ə]. Among its $V$ sequences, we have /ie, ia, iu, io; ei, eu, eo, ea; ai, ae, au; oi, ou, oe, oa; hi, ue, ua, uo/. The so--descripted 'nasal vowels' are, in reality, sequences of $V$ and semi-nasals (wich are [ $\mathrm{n} \equiv \mathrm{C}]$ ), with a possible, but not necessary, very slight nasalization. In word-final stressed (either free or checked, and also only) syllables, $V$ are diphthongized, as shown in the vocogram. In folk or rural speech, /ei, ou/ $\rightarrow / \mathrm{e}, \mathrm{o} /$, while unstressed $|\mathrm{e}, \mathrm{o} / \rightarrow| \mathrm{i}, \mathrm{u} /$. Currently, some Portuguese $C$ (given in round brackets in the table) are realized with more 'normal' phones or combinations: $/ \mathrm{v}, \mathrm{3}, \mathrm{S}, \mathrm{K}, \mathrm{j} / \rightarrow \mid \mathrm{b}$, $\mathrm{z}, \mathrm{s}, \mathrm{il}$, in/; also $/ \mathrm{p} \rightarrow \emptyset /$. In folk or rural speech, other $C$ changes are current: /p, $\mathrm{g}, \mathrm{z}, \mathrm{3}, \mathrm{r} / \rightarrow / \mathrm{b}, \mathrm{k}, \mathrm{s}, \mathrm{d}, \mathrm{s} /$. Word-final C , generally, are resyllabified: $\left./ \mathrm{C}^{\sharp \mathrm{V}} /{ }^{[H} \mathrm{CV}\right]$. For intonation, /?/ is normally accompanied by falsetto.


Coptic (Ancient Egypt: Afro-Asiatic) had the $V \& C$ shown below, with [ $\mathrm{n} \equiv \mathrm{C}$ ] and [ph, th, kh; tgh].


