

The Zhao VCCV database was recorded in 2002. The data include English stop consonants in word-initial (V#CV) and word-final (VC#V) positions, as well as all possible combinations of VC#CV English stop-consonant sequences. A complete list is given below.

The subjects were four native speakers of American English, two male and two female, who showed no evidence of speech or hearing disorders. They were asked to read the phrases at a normal pace. Two repetitions of each phrase were produced by each subject. (Due to production or recording errors, there are not two tokens of every phrase for each speaker. In some cases there is only one token, while in others there are three tokens.) The stimuli were not randomized, that is, the subjects read through the list in the order given below. Two of the subjects (f1 and f2) read each item twice in a row. Speaker m2 read through each block before repeating it and moving on to the next block. Speaker m1 was recorded in two sessions. In the first session, he read through the entire list once, and in the second session he read through each block before repeating it and moving on to the next block.

The utterances were recorded on DAT in a sound-attenuated chamber at a sampling rate of 44,100 samples/s. Following the recording, they were transferred to a computer and downsampled to 11,127 samples/s.

The naming convention is <subject i.d.>_<word1><word2><token number>.wav, where "subject i.d." is either f1, f2, m1, or m2, and "word1" and "word2" are two words containing the target VCCV sequence (see below).

Following is the list of phrases produced:

V#CV block – Subjects asked to stress both bolded words:

Say **saw pot** again.
Say **saw top** again.
Say **saw cop** again.
Say **saw bob** again.
Say **saw dot** again.
Say **saw got** again.

VC#V – Subjects asked to stress first bolded word:

Say **top ox** again.
Say **dot ox** again.
Say **dock ox** again.
Say **bob ox** again.
Say **cod ox** again.
Say **dog ox** again.

VC#CV – Subjects asked to place stress on both bolded words

Say **top pot** again.

Say **top tot** again.

Say **top cop** again.

Say **top bob** again.

Say **top dot** again.

Say **top got** again.

Say **got pot** again.

Say **got top** again.

Say **got cop** again.

Say **got bob** again.

Say **got dot** again.

Say **dot got** again.

Say **dock pot** again.

Say **dock top** again.

Say **dock cop** again.

Say **dock bob** again.

Say **dock dot** again.

Say **dock got** again.

Say **mob pot** again.

Say **mob top** again.

Say **mob cop** again.

Say **mob bob** again.

Say **mob dot** again.

Say **mob got** again.

Say **cod pot** again.

Say **cod top** again.

Say **cod cop** again.

Say **cod bob** again.

Say **cod dot** again.

Say **cod got** again.

Say **dog pot** again.

Say **dog top** again.

Say **dog cop** again.

Say **dog bob** again.

Say **dog dot** again.

Say **dog got** again.

VCC#V – Subjects asked to place stress on first bolded word

Say **adopt ox** again.
Say **bogged ox** again.
Say **adduct ox** again.
Say **sobbed ox** again.
Say **socked ox** again.
Say **stopped ox** again.

Only Speaker m1 read the following tokens:

Say **adopt age** again.
Say **bagged age** again.
Say **adduct age** again.
Say **sobbed age** again.
Say **sacked age** again.
Say **stopped age** again.