The Phonetics of English Pronunciation Session 02

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¹using material by William Barry

- What's different in English for Germans?
 - How letters represent sounds (orthographic interference)

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- a) Read pp. 106-9 on vowels
- b) Answer questions 1-5 on exercise sheet
- c) Go back to the "spelling poem" (pp. 253-4) and *try* to transcribe the problem words (see task 6 on exercise sheet)



Not a simple question!

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 - But what sort of American or British?
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 - E.g. General American with a Mid-Western accent
 - Southern British English (RP?, "Oxford English"?)

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- No problem in theory... if we were aware of our own accent.
 But we usually only notice other people's accents!
- Differences between English and German are always described with reference to standard variants...
- ... which can be confusing to the usual "not-quite-standard" learner.

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• We need some basic phonetic knowledge ◎

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- Problems from *putting sounds together* (consonant clusters, vowel sequences, word stress and vowel reduction)
- Problems from *putting words together* ("juncture" differences, reductions due to accentuation, intonation)

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Demo 1

```
Düse, brüht, Mythos, Duisburg;
Vase, Wahn;
Champignon, Schade vs.
Chiemsee, Kiel... etc.
```

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Demo 2

caught, court, taut, ought, fort;
(US vs. UK?)
hate, bait, eight, eyot(!);
bison, lesson, recent;

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And remember the example of \langle wind \rangle?

English: \langle wind \rangle or \langle waind \langle & German \rangle vint \rangle
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Orthographic interference

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English: /wind/ or /waind/ & German /vint/

So we need some basic phonetic tools! 

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So we need some basic phonetic tools! 

□
```

```
\langle \mathsf{bap} \rangle
\langle \mathsf{lab} \rangle
\langle \mathsf{ram} \rangle
```

```
\langle \mathsf{bap} \rangle \langle \mathsf{bat} \rangle \langle \mathsf{lad} \rangle \langle \mathsf{ram} \rangle \langle \mathsf{ran} \rangle
```

```
\begin{array}{lll} \langle \mathsf{bap} \rangle & & \langle \mathsf{bat} \rangle & & \langle \mathsf{back} \rangle \\ \langle \mathsf{lab} \rangle & & \langle \mathsf{lad} \rangle & & \langle \mathsf{lag} \rangle \\ \langle \mathsf{ram} \rangle & & \langle \mathsf{ran} \rangle & & \langle \mathsf{rang} \rangle \end{array}
```

Consonants are *fairly* easy to describe because we can (*mostly*) feel what we are doing to make a difference:

```
\begin{array}{lll} \langle \mathsf{bap} \rangle & & \langle \mathsf{bat} \rangle & & \langle \mathsf{back} \rangle \\ \langle \mathsf{lab} \rangle & & \langle \mathsf{lad} \rangle & & \langle \mathsf{lag} \rangle \\ \langle \mathsf{ram} \rangle & & \langle \mathsf{ran} \rangle & & \langle \mathsf{rang} \rangle \end{array}
```

What about these:

```
\begin{array}{lll} \langle \mathsf{bap} \rangle & \langle \mathsf{bat} \rangle & \langle \mathsf{back} \rangle \\ \langle \mathsf{lab} \rangle & \langle \mathsf{lad} \rangle & \langle \mathsf{lag} \rangle \\ \langle \mathsf{ram} \rangle & \langle \mathsf{ran} \rangle & \langle \mathsf{rang} \rangle \end{array}
```

```
⟨gaff⟩
⟨pave⟩
```

```
\begin{array}{lll} \langle \mathsf{bap} \rangle & \langle \mathsf{bat} \rangle & \langle \mathsf{back} \rangle \\ \langle \mathsf{lab} \rangle & \langle \mathsf{lad} \rangle & \langle \mathsf{lag} \rangle \\ \langle \mathsf{ram} \rangle & \langle \mathsf{ran} \rangle & \langle \mathsf{rang} \rangle \end{array}
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```
\langle gaff \rangle \langle gas \rangle \langle pave \rangle \langle baize \rangle
```

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\begin{array}{lll} \langle bap \rangle & \langle bat \rangle & \langle back \rangle \\ \langle lab \rangle & \langle lad \rangle & \langle lag \rangle \\ \langle ram \rangle & \langle ran \rangle & \langle rang \rangle \\ \end{array} What about these:
```

⟨baize⟩

⟨pave⟩

⟨beige⟩

```
⟨bap⟩
                                                 〈bat〉
                                                                                                 ⟨back⟩
(lab)
                                                 \langle \mathsf{Iad} \rangle
                                                                                                 (lag)
\langle ram \rangle
                                                ⟨ran⟩
                                                                                                 ⟨rang⟩
   What about these:
\langle \mathsf{gaff} \rangle
                                                \langle gas \rangle
                                                                                                 \langle gash \rangle
                                                                                                 ⟨beige⟩
⟨pave⟩
                                                ⟨baize⟩
   and:
```

```
⟨bap⟩
                                                   〈bat〉
                                                                                                      \langle \mathsf{back} \rangle
 (lab)
                                                   \langle \mathsf{lad} \rangle
                                                                                                     (lag)
 \langle ram \rangle
                                                   ⟨ran⟩
                                                                                                     ⟨rang⟩
    What about these:
 \langle gaff \rangle
                                                   \langle gas \rangle
                                                                                                     \langle gash \rangle
                                                                                                     ⟨beige⟩
 ⟨pave⟩
                                                   ⟨baize⟩
    and:
(berry)
(well)
```

```
⟨bap⟩
                                         〈bat〉
                                                                                 \langle \mathsf{back} \rangle
 (lab)
                                         \langle \mathsf{lad} \rangle
                                                                                 (lag)
 \langle ram \rangle
                                         ⟨ran⟩
                                                                                 ⟨rang⟩
   What about these:
 \langle gaff \rangle
                                         \langle gas \rangle
                                                                                 \langle gash \rangle
                                                                                 ⟨beige⟩
 ⟨pave⟩
                                         ⟨baize⟩
   and:
                                                            (belly)
(berry)
                                                            (yell)
(well)
```

```
Lips
 ⟨bap⟩
                                                 ⟨bat⟩
                                                                                                 \langle \mathsf{back} \rangle
 (lab)
                                                 \langle \mathsf{lad} \rangle
                                                                                                (lag)
 \langle ram \rangle
                                                ⟨ran⟩
                                                                                                ⟨rang⟩
    What about these:
 \langle gaff \rangle
                                                \langle gas \rangle
                                                                                                \langle gash \rangle
                                                                                                ⟨beige⟩
 ⟨pave⟩
                                                ⟨baize⟩
    and:
                                                                        (belly)
(berry)
                                                                        (yell)
(well)
```

```
Tongue tip behind
Lips
                                  teeth
⟨bap⟩
                                   ⟨bat⟩
                                                                     \langle \mathsf{back} \rangle
(lab)
                                   (lad)
                                                                     \langle lag \rangle
\langle ram \rangle
                                   ⟨ran⟩
                                                                     ⟨rang⟩
  What about these:
(gaff)
                                   \langle gas \rangle
                                                                     \langle gash \rangle
⟨pave⟩
                                   ⟨baize⟩
                                                                     ⟨beige⟩
  and:
                                                    (belly)
〈berry〉
                                                    (yell)
(well)
```

Consonants are *fairly* easy to describe because we can (*mostly*) feel what we are doing to make a difference:

```
Back of tongue
                                  Tongue tip behind
Lips
                                                                     against soft palate
                                  teeth
⟨bap⟩
                                  ⟨bat⟩
                                                                     ⟨back⟩
(lab)
                                  (lad)
                                                                     \langle lag \rangle
\langle ram \rangle
                                  ⟨ran⟩
                                                                     ⟨rang⟩
  What about these:
(gaff)
                                                                     \langle gash \rangle
                                  \langle gas \rangle
⟨pave⟩
                                   ⟨baize⟩
                                                                     ⟨beige⟩
  and:
                                                   (belly)
〈berry〉
                                                   (yell)
(well)
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Back of tongue
                                Tongue tip behind
Lips
                                                                against soft palate
                                teeth
⟨bap⟩
                                ⟨bat⟩
                                                                ⟨back⟩
(lab)
                                (lad)
                                                                \langle lag \rangle
⟨ram⟩
                                ⟨ran⟩
                                                                ⟨rang⟩
  What about these:
All have
(gaff)
                                                                \langle gash \rangle
                                \langle gas \rangle
⟨pave⟩
                                ⟨baize⟩
                                                                ⟨beige⟩
  and:
```

〈berry〉

(well)

(belly)

(yell)

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```
Back of tongue
                                Tongue tip behind
Lips
                                                               against soft palate
                                teeth
⟨bap⟩
                                ⟨bat⟩
                                                                ⟨back⟩
(lab)
                                (lad)
                                                                \langle lag \rangle
⟨ram⟩
                                ⟨ran⟩
                                                                ⟨rang⟩
  What about these:
All have
                                friction from
(gaff)
                                \langle gas \rangle
                                                                \langle gash \rangle
⟨pave⟩
                                ⟨baize⟩
                                                                ⟨beige⟩
```

 $\langle \mathsf{berry} \rangle$ $\langle \mathsf{belly} \rangle$ $\langle \mathsf{well} \rangle$

and:



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```
Back of tongue
                               Tongue tip behind
Lips
                                                              against soft palate
                               teeth
⟨bap⟩
                               ⟨bat⟩
                                                               ⟨back⟩
(lab)
                               (lad)
                                                               \langle lag \rangle
⟨ram⟩
                               ⟨ran⟩
                                                               ⟨rang⟩
  What about these:
All have
                               friction from
                                                              a constriction
(gaff)
                               \langle gas \rangle
                                                               \langle gash \rangle
⟨pave⟩
                               ⟨baize⟩
                                                               ⟨beige⟩
```

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                                   Tongue tip behind
Lips
                                                                      against soft palate
                                   teeth
 ⟨bap⟩
                                   ⟨bat⟩
                                                                      ⟨back⟩
 (lab)
                                   (lad)
                                                                      \langle lag \rangle
 ⟨ram⟩
                                   ⟨ran⟩
                                                                      ⟨rang⟩
   What about these:
All have
                                   friction from
                                                                      a constriction
 \langle gaff \rangle
                                   \langle gas \rangle
                                                                      \langle gash \rangle
 (pave)
                                    ⟨baize⟩
                                                                      ⟨beige⟩
   and:
No friction:
                                                    (belly)
(berry)
                                                    ⟨vell⟩
\langle \mathsf{well} 
angle
```

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```
Back of tongue
                                  Tongue tip behind
Lips
                                                                    against soft palate
                                  teeth
 ⟨bap⟩
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                                                                    ⟨back⟩
 (lab)
                                  (lad)
                                                                    \langle lag \rangle
 ⟨ram⟩
                                  ⟨ran⟩
                                                                    ⟨rang⟩
   What about these:
All have
                                  friction from
                                                                    a constriction
 \langle gaff \rangle
                                  \langle gas \rangle
                                                                    \langle gash \rangle
 (pave)
                                   ⟨baize⟩
                                                                    ⟨beige⟩
   and:
No friction:
                                                   no narrow constriction
                                                   (belly)
(berry)
                                                   (yell)
\langle \mathsf{well} 
angle
```

4 D > 4 P > 4 B > 4 B > B 9 9 P

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- Sometimes we have a *second articulatory gesture* that changes the manner of articulation (e.g. [b] vs. [m], [d] vs. [n], [g] vs. [ŋ])

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- What the vocal folds are doing is also important.
 If they are vibrating, the sound is "voiced"; if they are not, the sound is "unvoiced"
- In summary: *place*, *manner* and *voicing* are used to classify consonants.

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- You can hear them very well, and you can probably hear very fine differences, but what words do you use for them?
 "light" and "dark" are commonly used.
 - With $\langle ee \rangle$ and $\langle ooh \rangle$, which is "light" and which is "dark"?

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- Problem: not many different vowels can be described with these adjectives. Where does light become dark in \(been \), (bin), (bane), (Ben), (ban), (barn), (Bonn), (born), (bun), ⟨boon⟩?
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Read: Eckert & Barry, chapter V.1. Vowels, pp. 106-109



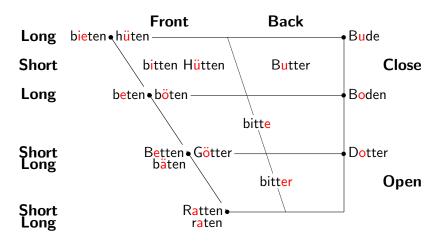
Describing vowels

What do you have to do to produce the different vowels in the following word pairs?

Igel Egel
Igel Hagel
Igel Hügel
Hügel Hugo
Beten Betten
Raten Ratten
Bohle bollern

What role do your jaw, your tongue and your lips play?

The German vowel system



In German it isn't BER-LIN DORT-MUND SAAR-BRÜC-KEN but Ber-LIN DORT-mund Saar-BRÜC-ken

In German it isn't	BER-LIN	DORT-MUND	SAAR-BRÜC-KEN
but	Ber-LIN	DORT-mund	Saar-BRÜC-ken
In English it isn't	LON-DON	TOR-QUAY	DUM-BAR-TON
but	LON-don	Tor-QUAY	Dum-BAR-ton

SAAR-BRÜC-KEN DORT-MUND In German it isn't BER-LIN Saar-BRUC-ken but Ber-LIN DORT-mund LON-DON TOR-QUAY **DUM-BAR-TON** In English it isn't LON-don Tor-QUAY but Dum-BAR-ton

 Word stress is as important for the identity of a word as the sequence of consonants and vowels!

In German it isn't	BER-LIN	DORT-MUND	SAAR-BRÜC-KEN
but	Ber-LIN	DORT-mund	Saar-BRÜC-ken
In English it isn't	LON-DON	TOR-QUAY	DUM-BAR-TON
but	LON-don	Tor-QUAY	Dum-BAR-ton

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- Both German and English use word stress to define word-shapes

Rhythm patterns (1)

In German it isn't	BER-LIN	DORT-MUND	SAAR-BRÜC-KEN
but	Ber-LIN	DORT-mund	Saar-BRÜC-ken
In English it isn't	LON-DON	TOR-QUAY	DUM-BAR-TON
but	LON-don	Tor-QUAY	Dum-BAR-ton

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```
sometimes just stress: um-FAH-ren vs. UM-fah-ren EX-port (n.) vs. ex-PORT (v.)
```

Rhythm patterns (1)

```
SAAR-BRÜC-KEN
In German it isn't
                BER-LIN
                           DORT-MUND
                                         Saar-BRUC-ken
           but
                Ber-LIN
                           DORT-mund
                LON-DON
In English it isn't
                           TOR-QUAY
                                         DUM-BAR-TON
                I ON-don
                           Tor-QUAY
           but
                                         Dum-BAR-ton
```

- Word stress is as important for the identity of a word as the sequence of consonants and vowels!
- Both German and English use word stress to define word-shapes

```
sometimes just stress: um-FAH-ren vs. UM-fah-ren EX-port (n.) vs. ex-PORT (v.)
```

But they don't do it in quite the same way phonetically



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philosopher /fi'lɒsəfə/ philosophical /filə'sɒfəkəl/
```

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- No problem, they're like German, aren't they?

 E.g. 'cushion + 'cover \rightarrow 'cushion,cover

 'piano + 'teacher \rightarrow 'piano-,teacher

 'vacuum + 'cleaner \rightarrow 'vacuum-,cleaner

 but... + 'salesman \rightarrow 'vacuum-,cleaner 'salesman

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• Note also: Not all "compounds" are written as a single word!

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- b) Ich ∖mag ihn ∕nicht, aber ich ∖muß mit ihm zu ∖sammenarbeiten.
 - I don't \like \textstylin him, but I \shave to \swork with him.

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Now for the homework...



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Please give name, matriculation number, and Fachrichtung Hand in (on paper) by Thursday, 06/11/2008, 18:00 Building C7 2, 4th floor, room 4.11 (box outside door)