

English Phonetics for Prospective Language Teachers 01: Introduction



Here's an entrance survey
to fill in while you wait:



<https://forms.gle/mCBLzYsJLL8QRNtt6>

English Presentation 01: Introduction



Today's Plan

Lecture	Course introduction
Pronunciation	The most common sound in English
Practice	Dialogue practice
Lecture	What is "phonetics?" What is "phonology?"
Game	Quizlet



Here!

Lecture: Course Introduction



About this class

- ★ Self-introduction
- ★ Class schedule
- ★ Assignments and grading
- ★ Advice for studying

Lecture: Course Introduction

Hi, I'm Jeff

Walla Walla, WA, USA


★ **Washington State University, BA History/Econ
Sophia University, MA TESOL, PhD Phonetics**

★ **Research: Accented English, pronunciation learning,
sound symbolism, singers' voices**

★ **Hobbies: TRPGs, video games, playing bass,
programming, playing with my very cute daughter**





Office Hours


A photograph of an office interior. In the foreground, a dark wooden desk is visible. On the desk, there is a desk lamp with a white, rounded shade and a black base. To the left, a red leather office chair is partially visible. In the background, there is a window with a dark wooden frame and white panes. The lighting is soft and natural, suggesting daytime. A semi-transparent black box with white text is overlaid on the center of the image.

By appointment, usually on Zoom
Tuesday and Wednesday
mornings are best

Lecture: Course Introduction

Course schedule for the first semester

1	13-Apr	Introduction	9	08-Jun	Vowels
2	20-Apr	World Englishes	10	15-Jun	General American English Vowels
3	27-Apr	International Phonetic Alphabet	11	22-Jun	Measuring Your English Phonemes 
4	04-May	Making a Voice	12	29-Jun	Sound Rules in American English
5	11-May	English Rhythm	13	06-Jul	Japanese-Accented English
6	18-May	Measuring Your Voice and Rhythm 	14	13-Jul	Teaching Techniques
7	25-May	Consonants	15	20-Jul	Review and Final
8	01-Jun	General American English Consonants			

 Bring a Linux, Windows, or Mac PC on these days

Lecture: Course Introduction

Course schedule for the second semester

1 Review

2 Features and Natural Classes

3 Great Lakes and California English

4 Southern American English

5 Phonological Processes

6 Standard Southern British English

7 Received Pronunciation

8 Rhyme, rhythm, and poetry

9 Scottish English

10 Irish English

11 Intonation, pauses, emphasis, TOBI

12 Australian English

13 Indian Accented English

14 Chinese Accented English

15 Review and Final

Lecture: Course Introduction

Assignments and Grading

★ IPA Transcriptions: 30

★ Voice Analyses: 40

★ Final Exam: 30

International Phonetic Alphabet Practice

Work together in groups. Help each other learn to use IPA!

Name: _____
Student Number: _____

Reading Japanese in IPA

Read these Japanese words in IPA and try to write them out in Japanese. You can use hiragana, katakana, or kanji in any combination you like, but don't use rōmaji please.

	IPA	Spelling
1	/kaɰmera/	
2	/ɰajakociɰ/	
3	/tsunami/	
4	/soɰmeN/	
5	/toɰɸuɰ/	

Writing Japanese in IPA

Read these Japanese words in kanji and hiragana and try to write them out in IPA.

	Spelling	IPA
1	寺	
2	お茶漬け	
3	日本	
4	おんぶ	
5	夕焼け小焼け	

Reading English in IPA

Read these English words in IPA and try to spell them out.

	IPA	Spelling
1	/ɑɰ'ðow/	
2	/ˈwestən/	
3	/ˈɰn.kəm/	
4	/kæɰ/	
5	/em'plɰmənt/	

Writing English in IPA

A quote from Helen Keller:
I would rather walk with a friend in the dark, than alone in the light.
ai wəd ɹæðər wɜk wɪθ a frɛnd ɪn ðə dɑ:k, ðæn ələʊn ɪn ðə laɰt.

	長さ	F ₀	強度
I	at 0.168 s = 168 ms	115 Hz	75.8 dB
would	wəd 0.17 s = 170 ms	100 Hz	71.6 dB
ra	ɹe 0.25 s = 250 ms	118 Hz	73.3 dB
ther	ðər 0.2 s = 200 ms	137 Hz	69.2 dB
walk	wɜk 0.23 s = 230 ms	117 Hz	70.2 dB
with	wɪθ 0.11 s = 110 ms	90.2 Hz	64.6 dB
a	ə 0.07 s = 70 ms	88.8 Hz	64.4 dB
friend	frɛnd 0.43 s = 435 ms	106.6 Hz	67.8 dB
in	ɪn 0.11 s = 110 ms	85 Hz	64.2 dB
the	ðə 0.09 s = 90 ms	83.1 Hz	62.7 dB
dark	dɑ:k 0.45 s = 450 ms	106.6 Hz	65.1 dB
than	ðən 0.1 s = 100 ms	93.7 Hz	63.3 dB
an	ən 0.05 s = 50 ms	79.7 Hz	63.9 dB
alone	ələʊn 0.44 s = 440 ms	97.7 Hz	68.3 dB
in	ɪn 0.11 s = 110 ms	84.4 Hz	64.7 dB
the	ðə 0.07 s = 70 ms	78.5 Hz	63.2 dB
light	laɰt 0.40 s = 403 ms	86 Hz	62.6 dB

Phonetics for Language Teachers: Final Exam

Name: _____ Student Number: _____ Score: _____

A. Phonemes

For each phoneme, write O in the first column if it is an English phoneme and O in the second column if it is a Japanese phoneme. If it is not a phoneme in that language, write X. Each is worth ½ point (2 total).

	IPA	EN	JA
Example	/ɰ/	O	X
Example	/ɰ/	X	X
	/j/		

Lecture: Course Introduction

IPA Transcriptions

- ★ Use the International Phonetic Alphabet
- ★ Online generators and AI are bad at this
- ★ Due at the start of the next class

International Phonetic Alphabet Practice
Work together in groups. Help each other learn to use IPA!

Name
Student Number

Reading Japanese in IPA

Read these Japanese words in IPA and try to write them out in Japanese. You can use hiragana, katakana, or kanji in any combination you like, but don't use rōmaji please.

	IPA	Spelling
1	/kaɫmɛra/	
2	/ʃaʃakociɫ/	
3	/ʦunami/	
4	/soɫmɛN/	
5	/toɸuɫ/	

Writing Japanese in IPA

Read these Japanese words in kanji and hiragana and try to write them out in IPA.

	Spelling	IPA
1	寺	
2	お茶漬	
3	日本	
4	おんぶ	
5	夕焼け小焼け	

Reading English in IPA

Read these English words in IPA and try to spell them out.

	IPA	Spelling
1	/ˈɑːlˈdɔː/	
2	/ˈwestən/	
3	/ˈɪnˌkɑːm/	
4	/kæʃ/	
5	/ɛmˈplɔɪmənt/	

Writing English in IPA

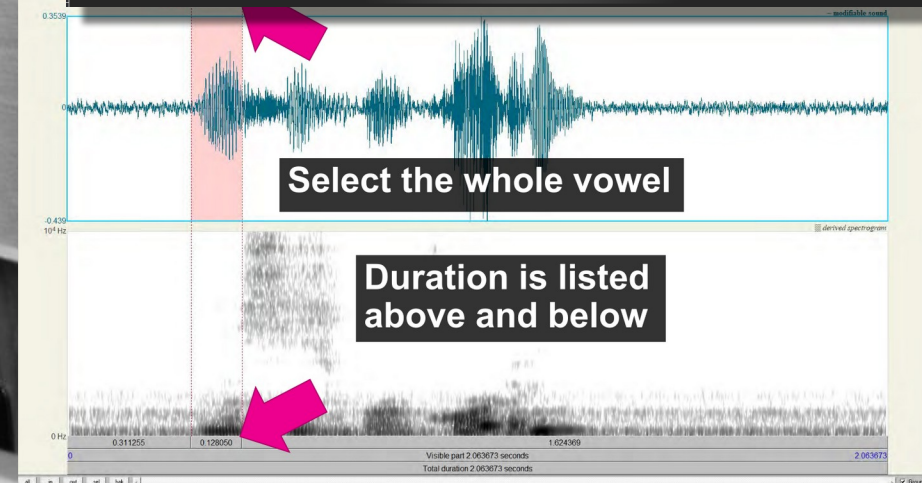
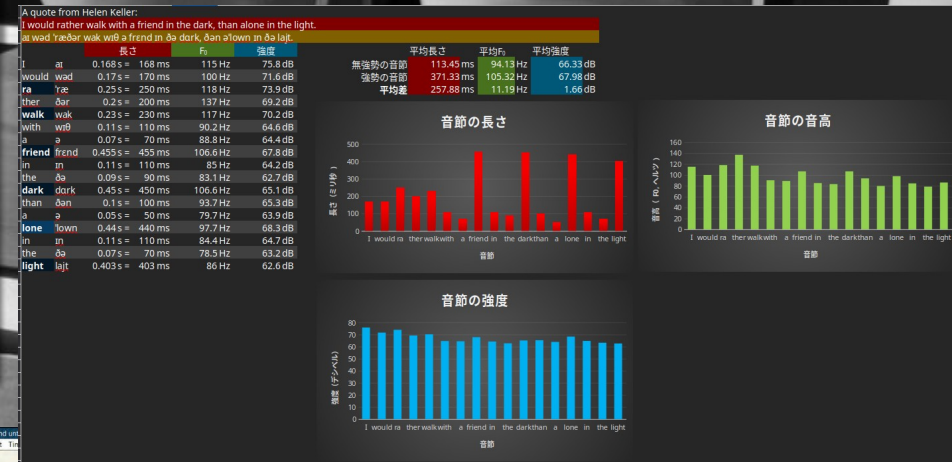
Read these English words in English spelling and try to write them out in IPA.

	Spelling	IPA
1	Japan	
2	nature	
3	Africa	
4	turn	
5	growth	

Lecture: Course Introduction

Voice Analyses

- ★ Free research software Praat
- ★ You need a PC with Windows, Mac, Linux, or FreeBSD
Chromebooks are painful, do not recommend
- ★ Due by email before the start of the next class



Lecture: Course Introduction

Final Exam

- ★ 30 points
- ★ Comprehensive, many questions from the reading
- ★ Not very long, and there will be a review game before

Phonetics for Language Teachers: Final Exam

Name		Score	
Student Number			

A. Phonemes

For each phoneme, write O in the first column if it is an English phoneme and O in the second column if it is a Japanese phoneme. If it is not a phoneme in that language, write X. Each is worth ½ point (2 total).

	IPA	EN	JA
Example	/ð/	O	X
Example	/ɔ̃/	X	X
	/ʃ/		

Lecture: Course Introduction

Language use

★ 95% English

★ Stop me any time for questions: English, Japanese
(slow, patient Spanish or Chinese)

Lecture: Course Introduction

Advice for studying

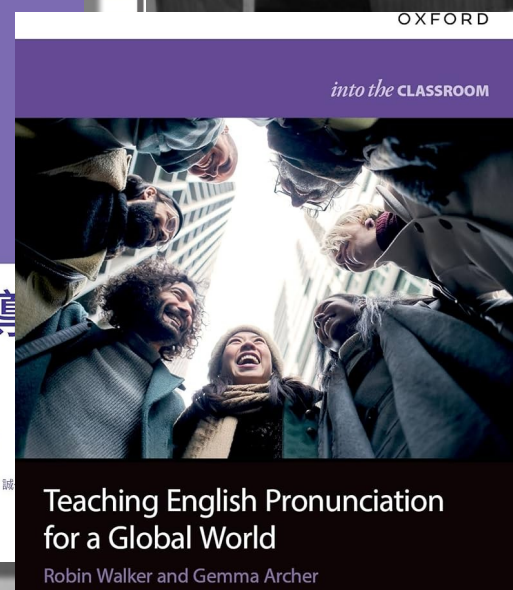
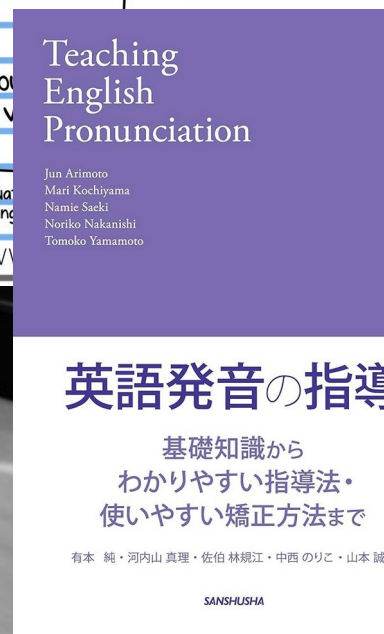
- ★ Take notes on paper
- ★ Practice writing IPA for other classes
- ★ Read the textbooks – they're short and easy!
- ★ Generative AI sucks at phonetics and phonology

CORNELL NOTES	
GUATEMALA	
Key Ideas	Notes
4 neighboring countries	- Central America - borders Mexico, Belize, Honduras, El Salvador
has 3 regions	- Regions formed by mountain ranges - Divided east to west - Pacific Coast, Petén, Highlands

American Vowels
i I ε æ a ɔ υ u ʌ ə aɪ aʊ oɪ eɪ oʊ
ɜ̃ ɝ ɑr ɛr ɪr ɔr

British Vowels
I e æ ɒ ʊ ʌ ə i: a: ɔ: u: ɜ:
eɪ əʊ aɪ aʊ oɪ eə ɪə ʊə

Consonants (American and British)
p b t d k g tʃ dʒ f v θ ð s z ʃ ʒ
m n ŋ l w j h ? ɾ



Pronunciation: The Most Common Sound in English



Pronunciation: The Most Common Sound in English

☆ This handsome gentleman is gorilla.

☆ [gə'ɪlə]



Pronunciation: The Most Common Sound in English

☆ This handsome gentleman is gorilla.

☆ [gə'ɪlə]

☆ But in Japanese, he's a コリラ.

☆ [go↓rira]



Pronunciation: The Most Common Sound in English

When you put it in

★ pronunciation symbols,
it looks very different!

★ [gə'ɪlə]

★ [gɔ↓rɪrə]

★ Only the [g] sound is
the same.



Pronunciation: The Most Common Sound in English

The [ə] sound, schwa

- ★ Most **common** sound in English
- ★ Most unstressed vowels become /ə/ or /ɪ/
- ★ Half open mouth, tongue in the middle

gorilla

/gə'ɪlɪə/

skeleton

/'sɛklətən/

arena

/ə'ri:nə/

combination

/,kambə'neɪʃən/

astonishing

/ə'stə'nɪʃɪŋ/

diameter

/,daɪ'æmɪtə/

qualification

/,kwɒlə'fɪ'keɪʃən/

representative

/,reprə'zɛntətɪv/

communication

[kə,mjuw'nɪ'keɪʃən]

Pronunciation: The Most Common Sound in English

The [ə] sound, schwa

- ★ Most **common** sound in English
- ★ Most unstressed vowels become /ə/ or /ɪ/
- ★ Half open mouth, tongue in the middle

gorilla

/gə'ɪlə/

skeleton

/'seklətən/

arena

/ə'ri:nə/

combination

/'kambə'neɪʃən/

astounding

/ə'staʊndɪŋ/

diameter

/'daɪə'mɪtə/

qualification

/'kwɒlə'fɪ'keɪʃən/

representative

/'reprɛ'zɛntətɪv/

communication

[kə'mju:ni'keɪʃən]

Watch for these spelling patterns!

★ a-, -on, -a, -tion, co-

Pronunciation: The Most Common Sound in English

The [ə] sound, schwa

- ★ Most common sound in English
- ★ Most **unstressed vowels** become /ə/ or /ɪ/
- ★ Half open mouth, tongue in the middle

gorilla

/gə'ɪlɪə/

skeleton

/'sɛklətən/

arena

/ə'rijnə/

combination

/ˌkambə'neɪʃən/

astonishing

/ə'stʌnɪʃɪŋ/

diameter

/ˌdaɪə'mɛtə/

qualification

/ˌkwɒlə'fɪkeɪʃən/

representative

/ˌreprɛ'zɛntətɪv/

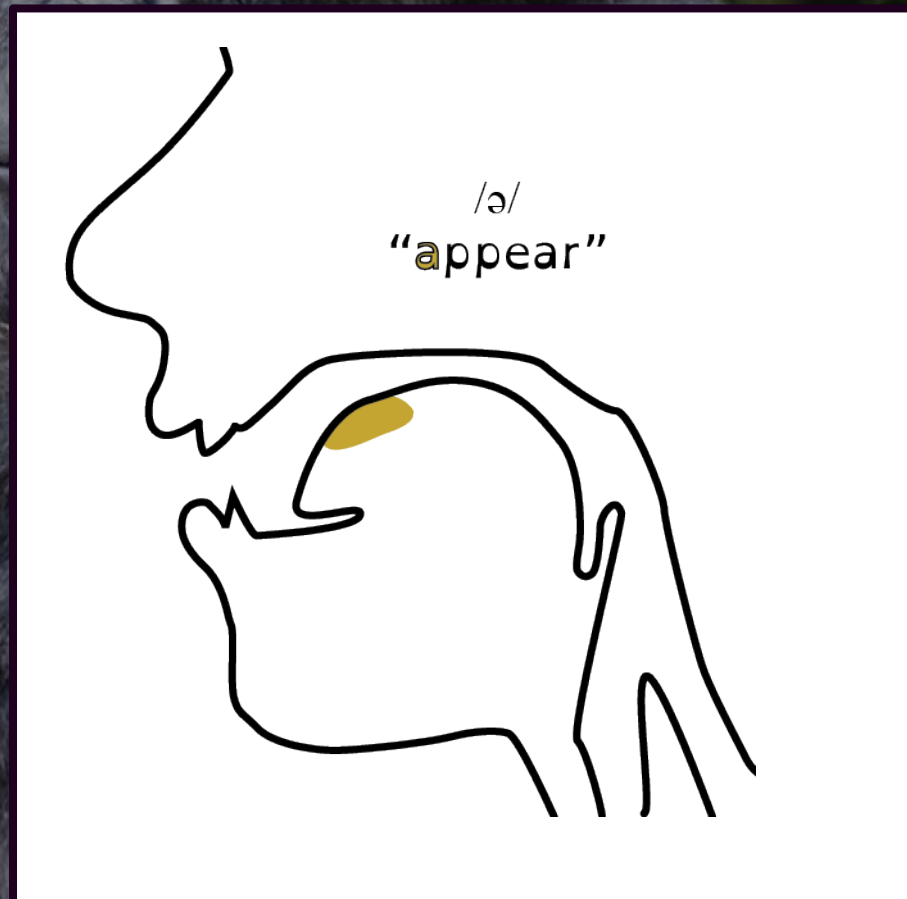
communication

[kəˌmjuːnɪ'keɪʃən]

Pronunciation: The Most Common Sound in English

The [ə] sound, schwa

- ★ Most common sound in English
- ★ Most unstressed vowels become /ə/ or /ɪ/
- ★ Half open mouth, tongue in the middle



Sounds: Schwa /ə/ シュワー

Too much stress

Let's relax

Too much stress

Let's relax



computer

computer

education

education

[ˈkɒwmˈpjʊwˈtɑː]

[kəmˈpjʊwtə]

[ˈɛːdʒuwˈkeɪˈʃɒn]

[ˌɛdʒəˈkeɪʃən]

Sounds: Schwa /ə/ シュワー

Too much stress

Let's relax

Too much stress

Let's relax



Australia

Australia

holiday

holiday

[ˈoʊˈstɹejˈliːjə]

[ˌɑːˈstɹejljə]

[ˈhɑːˈliːdeɪ]

[ˈhələˌdeɪ]

Sounds: Schwa /ə/ シュワ

Too much stress

Cut one

Too much stress

Cut one



business

bus'ness

restaurant

res'tant

[ˈbɪˈzɪzˌnɛs]

[ˈbɪznəs]

[ˈrɛsˈtɔʊˈrɑnt]

[ˈrɛstrɑnt]

Sounds: Schwa /ə/ シュワー

Too much stress

Cut one

Too much stress

Cut one



chocolate

choc'late

temperature

temp'rature

[ˈtʃɑːkɒwˈleɪt]

[ˈtʃaklət]

[ˈtɛmpɚɛˈrætʃʊr]

[ˈtɛmprətʃə]

Speaking Practice: Dialogue



Speaking Practice: Dialogue

Get ready

- ★ We'll all practice together once
- ★ Find your partner
- ★ Practice one time, then switch parts



Speaking Practice: Dialogue

Situation: a student wants to join a professor's class

S Hi, Professor <last name>? I'd like to join the class, but I need your permission to register.

S Thanks. Here's the add sheet.

P Sure thing, I have a few spots left open. Do you have an add sheet?

P Perfect, I'll just put my signature here at the bottom.

S Oh, yeah! I got one from the Admissions and Records Office. Here, I'll get it out of my bag.

S Thanks so much.

P Great. While you're doing that, can I get your name? I'll add you to my grade book.

P Okay, so after you turn this in at admissions, remember check the website in a couple of days and verify that you're actually enrolled.

S Oh, of course. It's <your name>.

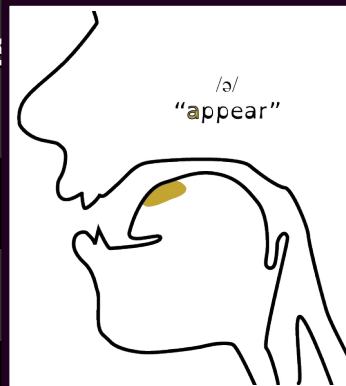
S Will do. I'm looking forward to the class!

P First name <first name>, last name <last name> right?

Glad to have you. Take care.

S That's right.

P Great, got it. You're in my Excel file.



Key point: use the /ə/ sound for unstressed syllables!

Speaking Practice: Dialogue

Partners

Abe Kounosuke	Nakatake Momiji
Arai Suzuno	Naruse Honoka
Fukuda Rio	Oishi Daia
Fukumura Asato	Otani Risa
Goami Kanon	Otsuka Jinji
Hanutsaha Tara	Sumida Mami
Hayashi Nanako	Suwa Hideyuki
Kawakubo Satoshi	Suzuka Ui
Kim Yeto	Suzuki Miwa
Kojima Sae	Takada Anju
Masaki Mizuho	Taniguchi Yuki
Matsuzaki Honoka	Ujigawa Hanami
Miyagi Yui	Watanabe Miki
Nakamura Saho	Yasui Aya

Speaking Practice: Dialogue

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P Great. While you're doing that, can I get your name? I'll add you to my grade book.

S Oh, of course. It's <your name>.

P First name <first name>, last name <last name>, right?

S That's right.

P Great, got it. You're in my Excel file.

S Thanks. Here's the add sheet.

P Perfect, I'll just put my signature here at the bottom.

S Thanks so much.

P Okay, so after you turn this in at admissions, remember check the website in a couple of days and verify that you're actually enrolled.

S Will do. I'm looking forward to the class!

P Glad to have you. Take care.

Lecture: What is phonetics? What is phonology?



Lecture: What is phonetics? What is phonology?

Discussion - Talk with the people near you.

- ★ What is phonetics?
- ★ What is phonology?
- ★ Have you ever taken a phonetics or phonology course before?



Lecture: What is phonetics? What is phonology?

Overview

- ★ The speech chain
- ★ Phonetics – linguistics meets engineering
- ★ Phonology – sound grammar



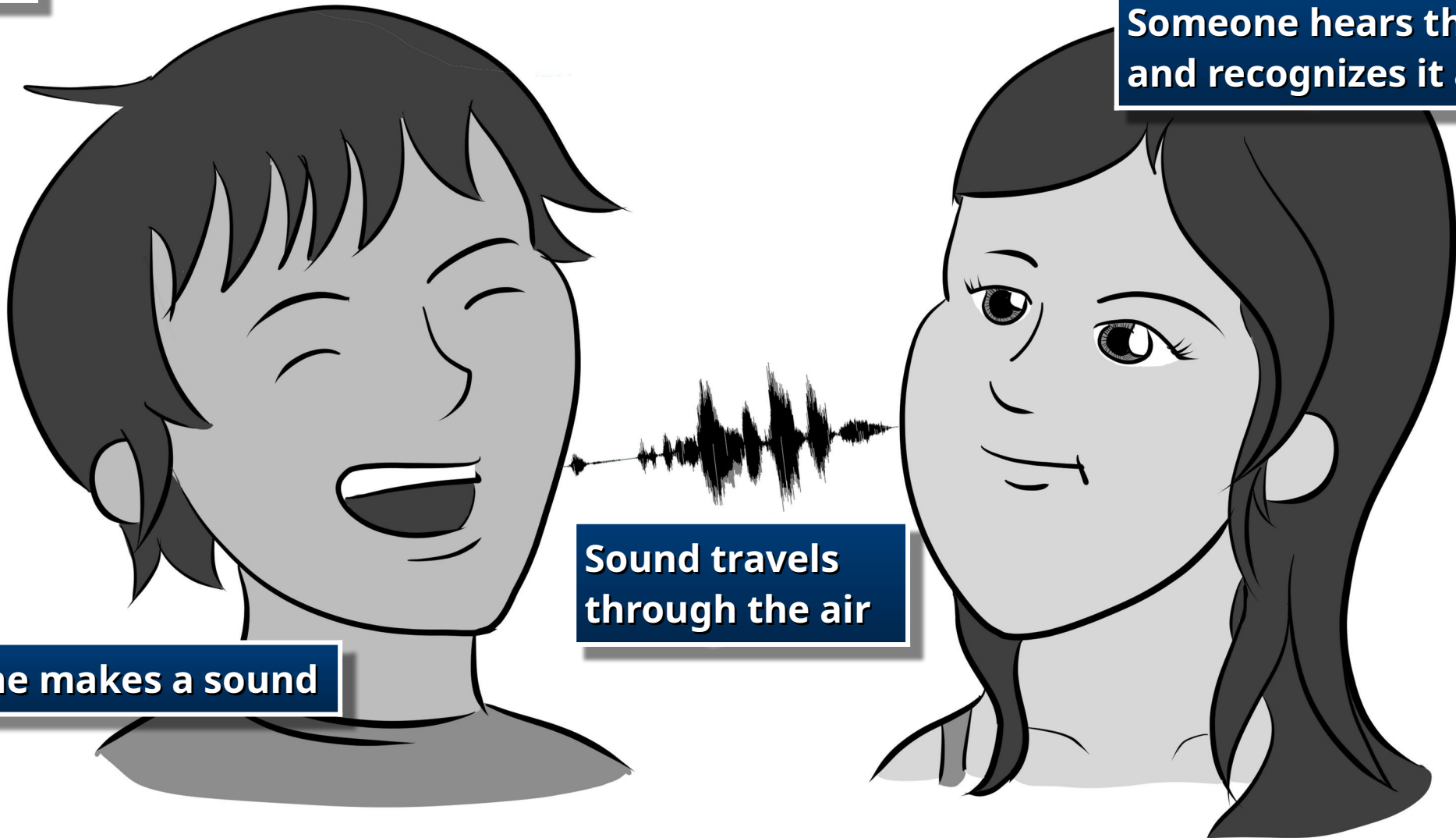
Lecture: What is phonetics? What is phonology?

The Speech Chain

Someone hears the signal and recognizes it as language

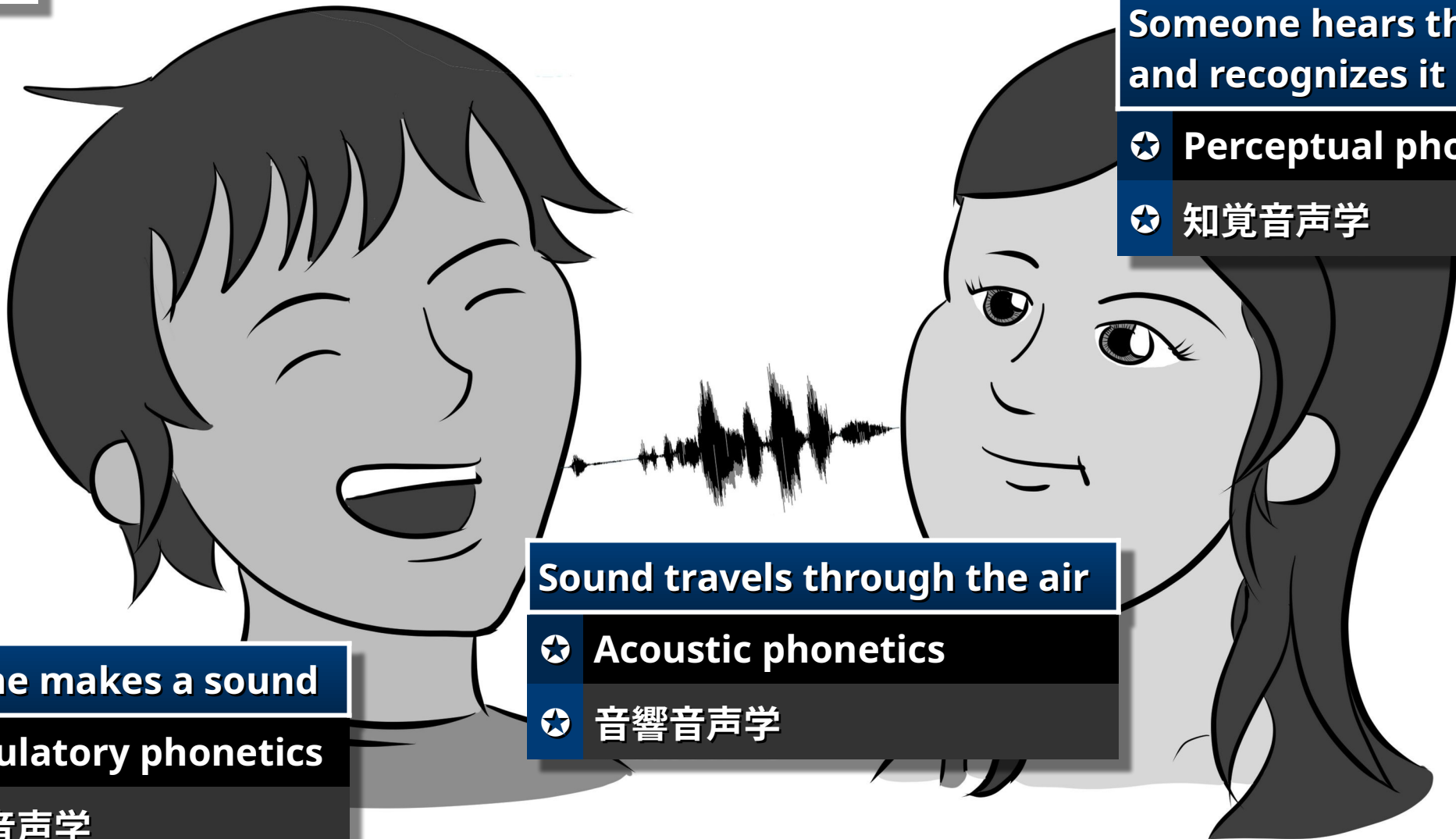
Someone makes a sound

Sound travels through the air



Lecture: What is phonetics? What is phonology?

The Speech Chain



Someone hears the signal and recognizes it as language

★ Perceptual phonetics

★ 知覚音声学

Sound travels through the air

★ Acoustic phonetics

★ 音響音声学

Someone makes a sound

★ Articulatory phonetics

★ 調音音声学

Lecture: What is phonetics? What is phonology?

Phonetics – linguistics meets engineering

- ✧ Articulatory phonetics (調音音声学)
- ✧ Acoustic phonetics (音響音声学)
- ✧ Perceptual phonetics (知覚音声学)



Lecture: What is phonetics? What is phonology?

Articulatory phonetics (調音音声学)

★ Related to anatomy (解剖学),
engineering, kinematics (生物学),
aerodynamics (空気力学)

★ Use lots of cool machines, like
ultrasound (超音波), EMA (磁気
センサシステム), MRI (磁気共鳴映
像), EGG (電気声門図)

★ Research how we make language
sounds, speech disorders, elder
speech

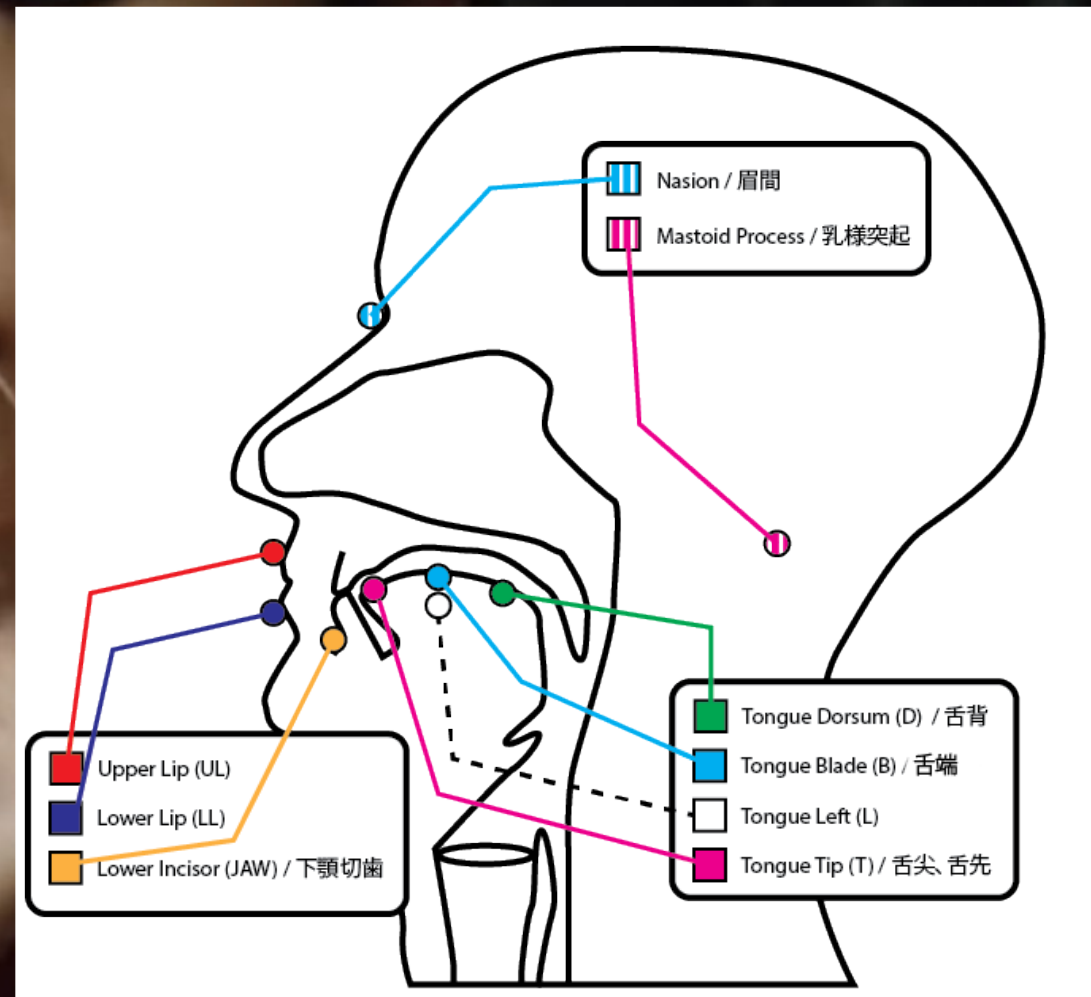


Lecture: What is phonetics? What is phonology?

EMA (磁気センサシステム)

★ Electromagnetic articulography

★ Creates a magnetic field (磁界) and tracks movement and position of sensors





Wave

NDI

STAEOTLER

Lecture: What is phonetics? What is phonology?

Acoustic phonetics (音響音声学)

- Related to acoustics (音響学), aerodynamics (空気力学), physics (物理学)
- Use lots of cool microphones and analysis software (mainly Praat)
- Research topics like automatic speech recognition, voice synthesis, sound masking



Lecture: What is phonetics? What is phonology?

Praat

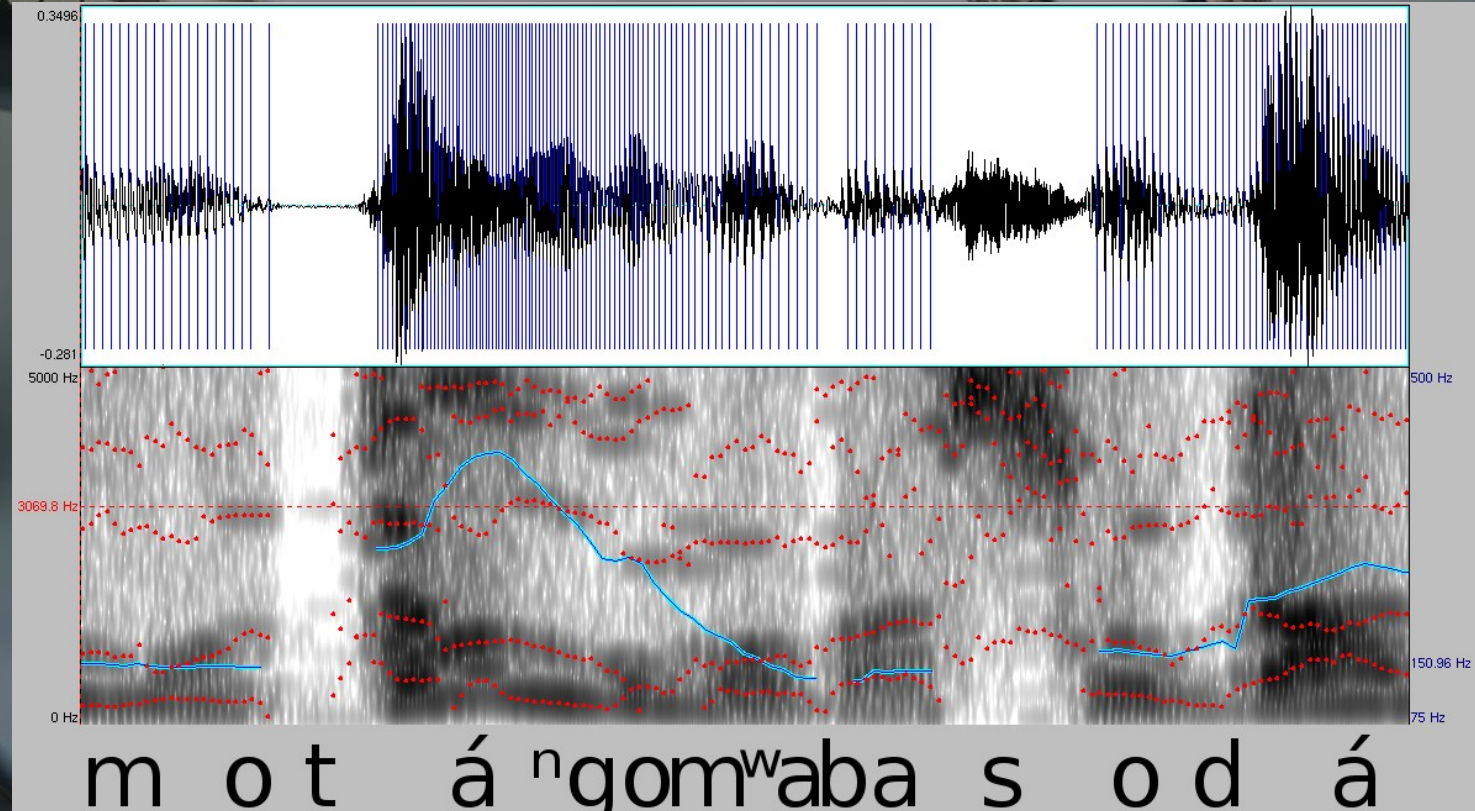
- ★ Acoustic analysis software
- ★ Dutch (オランダ語) for “speak”
- ★ Maintained by two guys at the University of Amsterdam



Paul Boersma



David Weenink



Lecture: What is phonetics? What is phonology?

My research

- ★ Measured the /r/ and /l/ sounds of Japanese speakers
- ★ Compared different tongue shapes

	cup	retroflex cup	flat	stretch	blade	retroflex	bunch	error
blade	6		3				1	
braid	2					8		
clay	8				1			1
crane						6	4	
laid	9				1			
lay	10							
played	7		1	1		1		
prayed	2					7	1	
raid	3	1			1	5		

/l/ avg. F3	3125
/r/ avg. F3	2748
F3 difference	377
Cohen's d	1.18
cup F3	3148
flat F3	3030
stretch F3	3151
blade F3	2935
retroflex F3	2581
bunch F3	3018

Lecture: What is phonetics? What is phonology?

Perceptual phonetics (知覚音声学)

- ★ Related to cognitive science (認知科学), psychology (心理学), neurology (神経学)
- ★ Use computer perception tests, EEG (脳波図), MRI (磁気共鳴映像)
- ★ Research topics like listening abilities of elders, effects of noise and echo, second language speech perception



Lecture: What is phonetics? What is phonology?

McGurk Effect

- ★ Famous phenomenon in speech perception
- ★ What you hear may not be the real acoustic signal!





HORIZON (2010)

Is Seeing Believing?

Lecture: What is phonetics? What is phonology?



Second language perception in noise

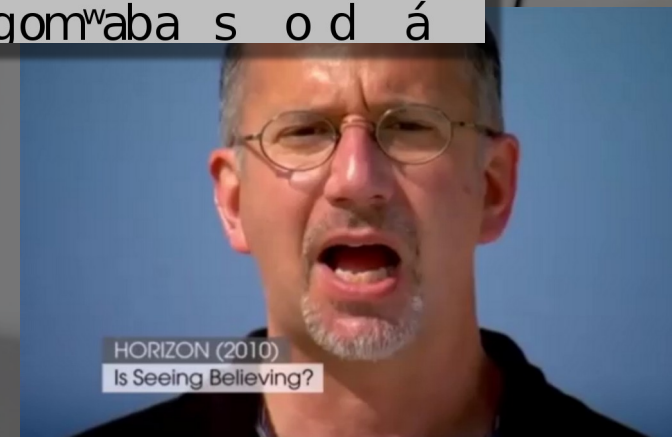
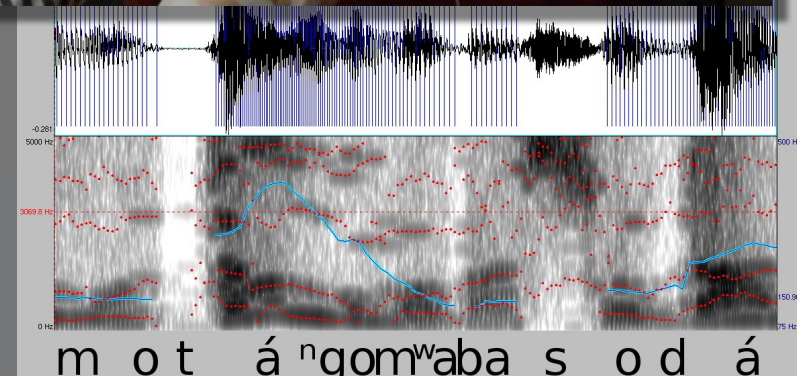
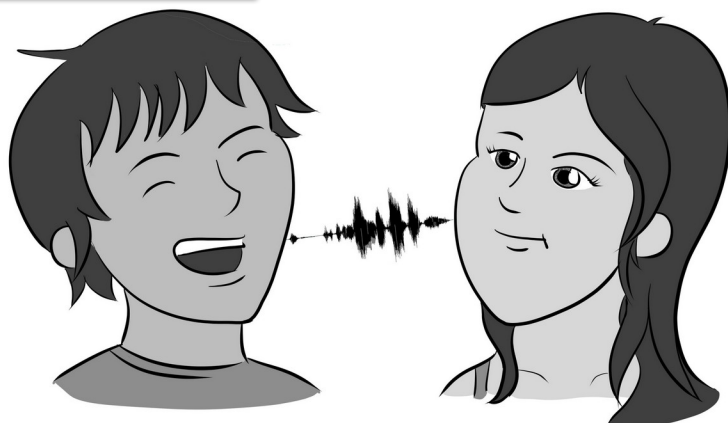
- ★ Mayo et al. (1997)
- ★ Native English speakers and Spanish L2 English speakers, cafeteria noise
- ★ NNS have the same difficulty listening with half as much noise (SNR)

Lecture: What is phonetics? What is phonology?

Recap: Phonetics – linguistics meets engineering

- ★ Articulatory phonetics (調音音声学)
- ★ Acoustic phonetics (音響音声学)
- ★ Perceptual phonetics (知覚音声学)

The Speech Chain



Lecture: What is phonetics? What is phonology?

Phonology – sound grammar

- Related to semantics (意味論), morphology (形態論), cognitive science (認知科学)
- Surveys, naming tasks, historical data
- Research topics like sound change rules, historical sound change, variation in dialects

RULES

Lecture: What is phonetics? What is phonology?

Autosegmental Phonology

- ★ How sounds influence nearby sounds

voiceless

t	u	t	a	j	a
	ɸ				

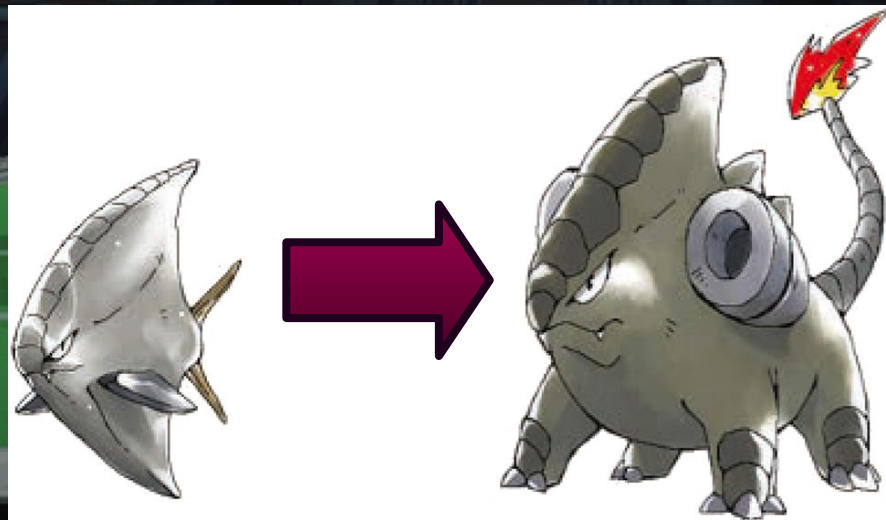
velar (軟口蓋)

t	o	n	k	a	t	u
		ŋ				

Lecture: What is phonetics? What is phonology?

Sound symbolism

- ★ Here are two new Pokémon.
- ★ The one on the left evolves into the one on the right.
- ★ Choose two names from the list.



Toopen

Doopen

Teepen

Deepen

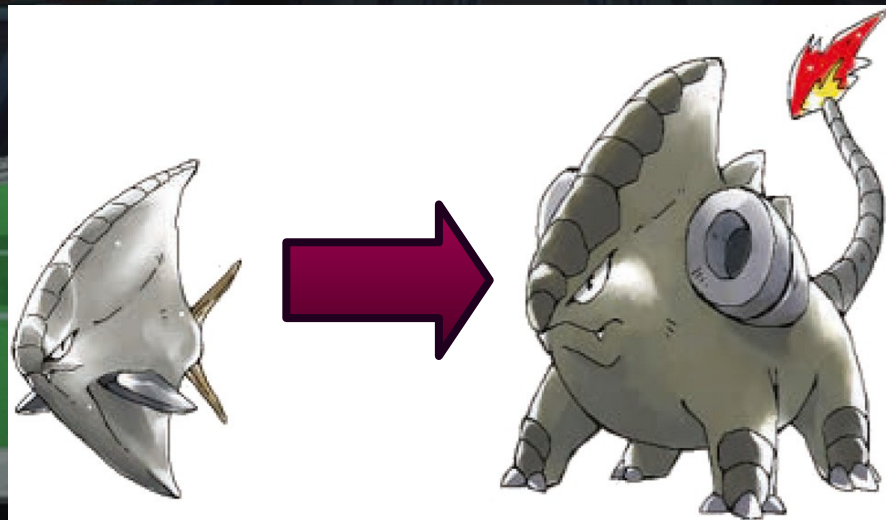
Teepenka

Deepenga

Lecture: What is phonetics? What is phonology?

Sound symbolism

- ★ Most English speakers will choose longer names for bigger, more evolved Pokémon.
- ★ Most Japanese speakers will choose names with more voiced obstruents (濁点)
- ★ [u] is bigger than [i] for most participants



Toopen

Dooben

Teepen

Deeben

Teepenka

Deebenga

Review Game

Learn it. Own it.

Quizlet
~~~~~



Review Game

Learn it. Own it.

Quizlet



How to play Quizlet

- ★ Scan the QR code
- ★ Or go to quizlet.live and enter the code
- ★ Fake names are okay



This week's reading



This week's reading

有本ら（2021）「英語発音の指導：基礎知識からわかりやすい指導法 使いやすい矯正方法まで」三修社

★ 9~26

1. 対象

本書は、英語活動を実施している、もしくは教科担当を予定している小学校教員、中学校・高等学校の英語教員、および教職課程を履修する大学生、英語教育専攻の大学院生などを想定しています。特に、小学校の教員は、教員免許取得時に発音指導についてはほとんど学習していないことから、本書の必要性は高いと考えられます。また、中高の英語科教員の中には、英語音声学を履修せずに教員免許を取得した方もおられると想定しており、そのような方には学び直しの役割も果たしています。

2. 掲載方法

通読するよりも、必要な項目を探して読むというハンドブック的な利用法を想定して作成しました。また、関連項目間で移動できるよう、項目をクロス検索できる工夫をしています。文章だけではわかりにくい項目については、図やイラスト、音声を用いて指導法が理解できるよう工夫しています。さらに音声に関しては、モデル音声だけではなく、教室で遭遇すると考えられる音声を提示し、実際の矯正指導に役立てられるようにしています。発音指導をして全員がうまく発音できるようになればよいのですが、実際には様々な通じない発音に出会います。それを想定して、本書では問題のある発音も含めて提示することにしました。

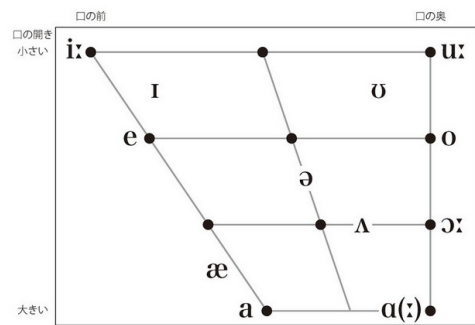
他に、知っていることと指導で役立つコラムを掲載しました。各ページで取り上げる英語の音声・発音について、様々な情報を掲載しています。

3. 本書で使用される発音記号

IPA（国際音標文字）には完全準拠せず、日本で出版されている多くの英語教科書および英和辞典の発音記号に近い表記を使用しています。以下に、その要点を示します。母音の詳細は、第5章末をお読みください。

- 1) 鉤つき (hooked) schwa /ə/ は使用せず、/ər/ を用います。→ 5-3
- 2) 弛緩母音には多くの英和辞典が採用している /i, u/ の代わりに、/ɪ, ʊ/ を用います。→ 5-1
- 3) 前舌母音 → 5-1 /e/ の代わりに /ɛ/ を使用します。二重母音においても /e/ を使用し

母音とは



- ① 母音は、日本語ではアイウエオの5つがあります。息が口の中の空間（口腔）のどこかで止められることなく発音される音ですが、主に口の開き方や舌の位置で音に違いがあります。
 - ② 上の図は母音四角形と呼ばれています。
 - ③ ちょうど頭を鼻先で左右に割った口腔の左断面図を用いて簡略化して示したものです。左側が前、右側が口の奥になります。
 - ④ 口の開きが広いが、狭いか、舌の最高点の位置が相対的に高いか低い、舌の最高点が前か奥かを表します。
- 舌の最高点が前の方になる母音を前舌母音 → 5-1、中央になるものを中舌母音 → 5-3、後ろの方になるものを後舌母音 → 5-2 と呼びます。

2 | 発音指導力の3要素

英語の発音指導を教室で実施しようとする際に、必要となる3つの要素を考えてみましょう。それらは、①音声に関する知識獲得、②発音能力養成、③発音指導法の習得です。①の知識では、日英語の音声に関する知識や相違点を理解していること、②の能力では、指導者自身が学習者に対して自信をもってモデルを示せることができる発音能力を獲得すること、③の指導法では、学習者にわかりやすく調音を説明でき、問題のある発音を矯正するための指導・助言ができることを指します。これらを総合して、我々研究グループでは「英語発音指導力」と呼ぶことにします。

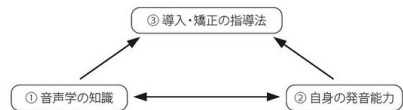


図2 英語発音指導力(河内山他 2013)

全国の大学にある英語教職課程(239学部：必修科目1,084科目)の必修科目シラバスを調査し、以下の結果が判明しました。学部単位の中で「3要素すべてなし」を除いた残りが、科目単位の割合です。図2で示した3つの要素を1つも学ばなくても、教員免許が取得できる大学が40%もあり、逆に3要素すべてを学ぶという理想的なカリキュラムをもつ大学は4%に留まっています。一方、英語音声学を必修としている多くの大学では、3要素の内①知識と②発音能力を学ば、③の指導はできるという想定をしていると考えられます。現実には、指導法を身につけていなければ、教室での指導は困難になります。

上記の結果から、この分野をまったく学習しなくても、英語の教員免許は取得可能であり、発音指導が十分にできない英語教員が多数存在する実態が推測できます。

英語の発音指導をする際に、教員に求められる資質は以下の4つ

学部単位(239学部)		科目単位(1,084科目)	
3要素すべてなし	40.2%	3要素すべてなし	75%
1要素のみ	23.7%	1要素のみ	16%
いずれか2要素	32.0%	いずれか2要素	8.3%
3要素すべてあり	4.1%	3要素すべてあり	0.2%

表1 3要素に関するシラバス調査(河内山他 2013)

英語音声学を学んだ方への解説

本書は、英語音声学を学んでいなくても理解できるよう、できるだけ平易な表現を用い、英語音声学本来の考え方や表記とは一部異なる方針で書かれています。そのために、誤読・誤読の可能性があるので、ここで説明しておきます。

アメリカ英語の二重母音の第2要素に含まれる hooked schwa と呼ばれる /ə/ は扱っていません。その理由は、日本語母語話者にとっては、r の音色を含めて発音練習することがEILの観点からは重要ではないと判断したからです。

また、破擦音に /ts, dz/ を含めた理由は、音韻論的には /t+s/, /d+z/ であることから、二音素の連続と解釈されますが、実際の調音では /ts, dz/ という破擦音になっているからです。したがって、音声学的には破擦音として扱うことが妥当だと考えました(例えば、cats や cards など)。

イントネーション表記にも多数の種類がありますが、折れ線は誤解を生みやすく、矢印は便利ですが全体像が把握できない、オタマジャクシはイギリス系の表記ですが、記述スペースを取るという欠点があります。詳細は、本書47ページをお読みください。また、この議論については有本(2017)をご参照ください。

COLUMN 音声学と音韻論

音声学では、実際に発せられた音を細かく区別します。例えば、無声の破裂音 /p/ は語頭では気息化と呼ぶ強い破裂を生じます [pʰ]。語中の破裂音は普通の破裂になります [p]。語末の破裂音は極めて弱い破裂になるか、破裂しません [p̚]。一方、音韻論 (phonology) で扱う音素 (phoneme) は、これらの区別をせず、すべて同じ /p/ として扱います。その理由は、これらの音を入れ替えても、意味に違いを生じないからです。日本語のアを例に取ると、人によって口の開きや舌の位置は微妙に異なりますが、他の母音(例えばオやウ)と区別ができれば、この微妙な差は問題になりません。したがって、多少異なる発音をしても、日本語ではアと認識しています。

Thanks for coming!



<https://forms.gle/mCBLzYsJLL8QRNtt6>

Homework

★ Please fill in my survey. It helps me customize the class for your needs.

★ Read 「英語発音の指導」 pp 9~26

Next week

Pronunciation

/r/ and /l/

Lecture

World Englishes

Video

The Linguistic Genius of Babies

Game

Blooket

