# The unpublished Scots phonological material from the Linguistic Survey of Scotland

Warren Maguire
University of Edinburgh
w.maguire@ed.ac.uk

#### The Linguistic Survey of Scotland (LSS)

Conducted by the University of Edinburgh in the 1950s, consisting of two strands:

- Gaelic Section (Ó Dochartaigh 1994-1997)
- Scots Section, results published as *The Linguistic Atlas of Scotland* (LAS, Mather & Speitel 1975, 1977, 1986)

The LSS represents a huge achievement in the dialectology of Scotland, without which we would know much less about the traditional dialects of Scotland, many of which are extinct or have been subject to levelling

#### LSS: Scots Section

#### Lexical Questionnaires

 Two semantic questionnaires sent to locations across Scotland, Ulster and far northern England to school teachers, to be distributed to speakers of the local dialect; selection of results published in Mather & Speitel (1975, 1977; LAS1, LAS2)

#### Phonological Questionnaire

- A separate investigation, with data gathered by fieldworkers in face-toface interviews, using the direct questioning method (relying on informants readily distinguishing between Scots and Scottish Standard English)
- How do you pronounce 'stone'? (example answer: [ste'n])
- Answers were transcribed phonetically in specially designed notebooks, these data forming the basis of Mather & Speitel (1986; LAS3)

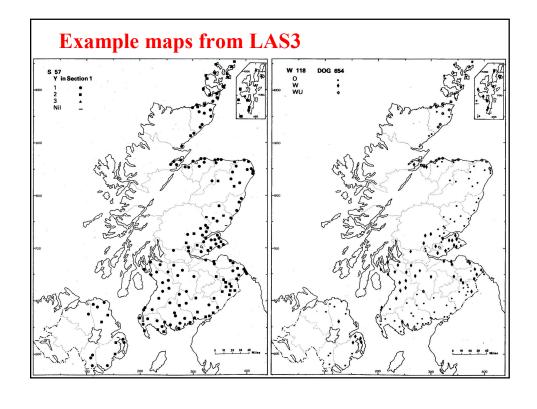
# **LAS3: Contents**

188 locations in Lowland Scotland, north Northumberland and east Ulster

786 (mostly monosyllabic) words for each location

- *Phonemic* transcriptions (by phonological environment) of stressed vowels
- Polyphonemic analysis of stressed vowel systems (don't ask...)
- Default consonant skeleton for each word across all locations (e.g. /d g/ for 'dog')
- Notes for each location on any departures from the default consonant skeletons and selected phonetic features of consonants
- Symbol maps of number of vowel phonemes per environment, number of vowel phonemes per polyphoneme, and of the polyphoneme found in each word

	Exa	mple da	ata:	Tran	ent (2	22.1	East	Loth	ian)	
Section	\ <b>I</b> \	\ <b>E</b> \	\ <b>A</b> \	\ <b>O</b> \	\ <b>U</b> \	\ <b>Y</b> \	\ <b>W</b> \	\EI\	\OE\	\ <b>W</b> U\
0	i	еε	a	o o°* ö	ü ju•* .	ëτ	٨	Ëi		
1	i	eε	α	эт ö ö⁺*	ü jü* jür*	ëт	· A	Ëi		
2	i	e		o ⊤'C	üjü			ëi ae	эте	ΛU
3	i*	e e· ε	ä	0 T'C	ü jü•	ëт	Λ	äij°* äë⊤		
4	i	e		эт ö	ü ju*	ëт	Λ	äe		Λu*
5	i	eε	ä	эт ö	ü ju*	ëт	Λ	Ëi		ΛU
6	i	eε	ä	эт ö	ü jü*	ëт	Λ	Ëi		лu
7	i°	e° ε°		эт ö	u	ëτ°	Λ	۸ij°		ΛU
8	i	eε		200*	ü	ëт	Λ	ëi* ∧i äi		
9	i	eε		эт ö	ü	ëт	Λ	Λi	эте	ΛU
10	i	eε		эт* ö	jü*	ëт	Λ*			
/i/ /e/ /ε/	DON 0 beet cheat heat leet meat meet sweat wet' wheat bait beat bet gait gate grate great late mate slate wait hot let met wet² wretch fat pot salt sat water what fault		/i/	blaze breathe breeze deave freeze grieve leave pease please sieve bathe clothes grave knave lave praise raise save use <sup>1</sup> calve calves cause halve tawse drove <sup>1</sup> drove <sup>2</sup> frozen nose rose			NOTES  Section 0: /-t/ may be realised as [-7].  a /#-/ f /j-/			
/ö/ /ü/ /ju·/ /ëт/ /A/ /ëi/	boat coat cot knot lot note rot throat about out		/ü/ /ju/ /ёт/ /л/ /äе/ /ли/	booze move prove smooth news brother bruise buzz has live Liz mother nieve other was glove love poison drive five rise size loosen		b /s-/ c /skl-/ d /d-/ e /-n/		g /t-/ h /nz/ i /ʃ/		



#### **Problems with LAS3**

Even within the Scots-speaking area, the geographical coverage of LAS3 is patchy

• e.g. no locations in Argyll, Peeblesshire, Selkirkshire, or parts of the Central Belt, Aberdeenshire, Shetland and Ulster

Only part of the survey wordlist was used in LAS3

- substantial sections covering unstressed vowels, deictics and pronouns were left out, and words not fitting the default consonant skeleton were excluded (such as any forms of *daughter* without /x/, e.g. /doθər/)
- Johnston (1997: 505): "At the time of the SND (Dieth 1932: 113; Grant 1931: xxxv), the cluster /xt/ in a few specific words such as might, daughter was realised as [θ] in north-eastern dialects. This feature is now highly recessive, and may survive, if at all, only in Angus ... LSS vol. 3 failed to find any examples of this change."

#### **Problems with LAS3**

The data were systematised in a subjective, idiosyncratic way, so that important phonetic information is lost, and minimal information is given on the pronunciation of consonants

- e.g. vowels before voiced and voiceless labial and velar stops and nasals are grouped together, obscuring potential lengthening effects
- e.g. LAS3 24.9 Newcastleton, Rox. *great* [gre-t] > /gre-t/, *part* [pe-rt] > /pert/, *tread* [tre-d] > /træ-d/;
- "His [r] is a uvular trill"
- E.g. the pronunciation of /r/ in most dialects is unknown

This systematisation runs through all the data and presentation of it

• The LAS 3 maps can only be interpreted in light of the systematisation, and even then it's not always clear what they show, or how important it is...

## What about the original data?

Held by the University of Edinburgh Centre for Research Collections in the Celtic and Scottish Studies archive

 thanks to Rachel Hosker and Cathlin Macaulay for access to these materials

Fieldworkers' notebooks for the 188 published locations, containing the original *phonetic* transcriptions in full (not just vowels) of the whole wordlist

- containing the full list of 982 words (786 in LAS3)
- including sections covering unstressed vowels, pronouns and deictics left out of LAS3
- all words are transcribed phonetically, in full, including consonants and unstressed vowels, so that we need not rely on the idiosyncratic LAS3 phonemic interpretation of the data

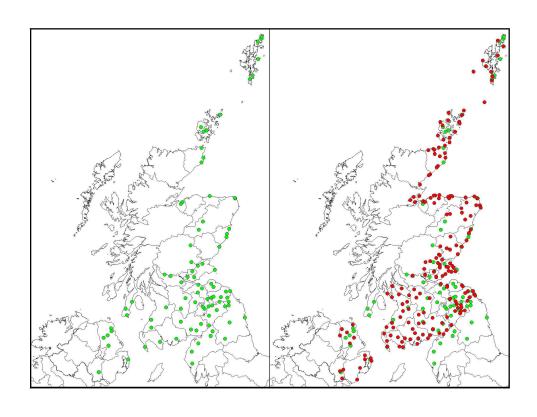
#### And there's more...

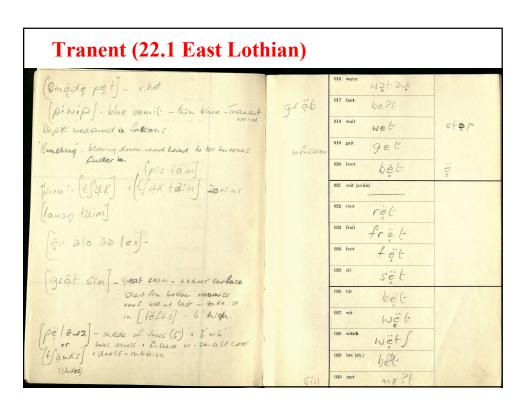
Fieldworkers' notebooks for an additional 105 locations, most not included in LAS3

- many of these use a slightly different wordlist and constitute a parallel survey rather than rejected data collected for LAS3
- including locations in e.g. Argyll, Peeblesshire, Selkirkshire, inland Aberdeenshire, Unst, Whalsay, the Glens of Antrim, Northumberland and Cumberland, mostly not covered by LAS3

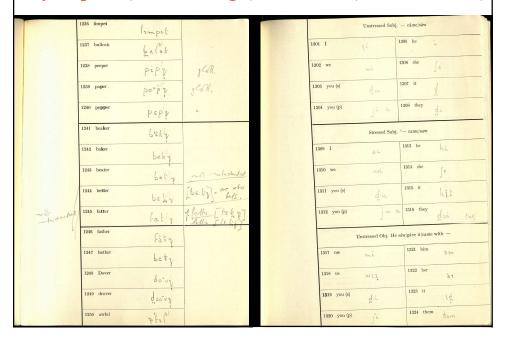
The unpublished materials also include phonetic transcriptions of the long *Survey of English Dialects* (SED; Orton & Dieth 1962-71) questionnaire

- 14 locations across Lowland Scotland (mostly south of the Clyde-Forth isthmus)
- there are no published SED returns for Scotland (other than the few bits of data in Glauser 1974)
- substantial phonetic, lexical, and morpho-syntactic data which is strictly comparable with data gathered for dialects across England





## Poyntzpass (31.1 Armagh), Fair Isle (1.10 Shetland)



#### The LSS Scots audio recordings

The primary LSS data are the phonetic transcriptions, responses to the questionnaire not being audio-recorded at the time

But audio-recordings were later made of selections of the wordlist, and of short stretch of conversation, at many (though not all) locations

• typically Sections 0 (-t) and 2 (-#) and a selection of other words

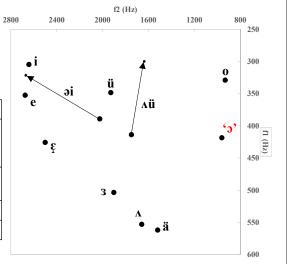
These are also held in Celtic and Scottish Studies and many have been digitised

- These audio recordings, though somewhat limited in length and coverage provide a unique comparison and check on the phonetic transcriptions
- I have not yet explored these in detail

# **Kingarth by Rothesay, Isle of Bute (17.1)**

LAS3 identifies 10 vowel phonemes before /t/ in the Bute dialect:

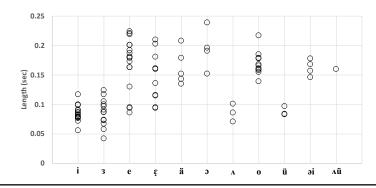
i	meet	Λ	but
3	bit	o	<u>fault</u>
	boot		cot
			coat
e	mate	ü	out
	bait		
ε.	met	əi	bite
ä	fat	лü	colt



# **Kingarth by Rothesay, Isle of Bute (17.1)**

All vowels before /t/ are transcribed as short (in LAS3 and in the original notebook)

- all monophthongs except  $\frac{1}{3}$  and  $\frac{1}{\Lambda}$  appear to follow the SVLR
- the audio-recording of the dialect shows that this is a considerable idealisation, with a clear distinction between long (/e  $\epsilon$  ä  $\circ$  o/) and short (/i  $\circ$   $\land$  ü/) vowels before /t/



## My work on the LSS Scots phonetic materials

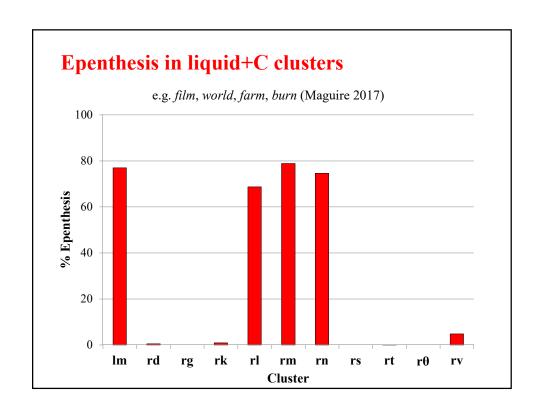
I have catalogued all the phonetic notebooks and had them digitally scanned (funds provided by PPLS, work directed by Rachel Hosker at the CRC)

I am making a detailed catalogue of the wordlist audio-recordings and how they correspond to the notebooks

Plan: a protected, online database, linking location information, original transcriptions, and analyses

- hopefully including the audio-recordings of the wordlists
- new phonological analysis (maybe even leading to a new 'polyphonemic' analysis!) and cartographic analysis of the data
- these two things are linked, as a 'polyphonemic' analysis of the data at each location could allow for automated mapping of many patterns

Word	No.	LAS3	Polyphoneme	Image	Phonetic	Sound
bite	058	ei	EI	beit	bẹit	
meet	002	i	1	mit	mit	1,5
mate	011	eª	E	met	me³t	
late	012	e <sub>1</sub>	E	le26	lę't	
bait	017	eª	E	be't	be³t	
great	008	e₁ª	E	greet	grę³t	
let	031	æ	E	le t	lşt	
bit	026	I	Υ	bit	bɪt	
boot	020	Ø	Υ	bøt	bøt	
but	053	٨	W	bit	bʌ̞t	
fat	038	а	Α	Foet	fą <sub>2</sub> t	
fault	040	α	Α	Fat	fą <sub>'</sub> t	
cot	043	э	0	kot	kọt	
coat	048	$\Omega_{9}$	0	. ko°t	kω³t	
throat	050	$\Omega_{\rm 9}$	0	Orost	θrω°t	
out	051	u	U	ut	ut	
duty	064	Iu	U	druti	dɪuti	
nowt	063	ou	WU	n but	nout	

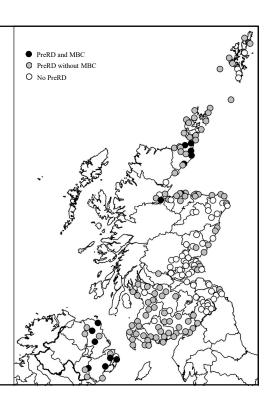


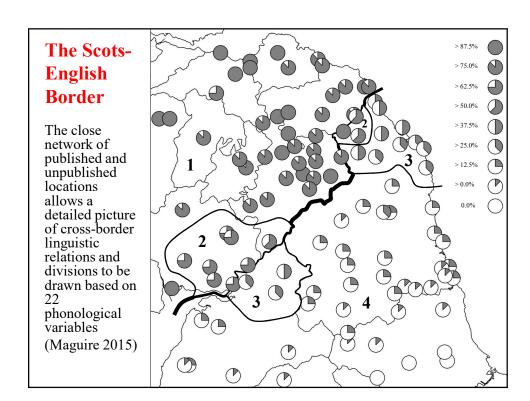
## **Pre-R Dentalisation**

PreRD refers to the pronunciation of /t d n/ as dental before /r/ and /ər/ (e.g. *try*, *better* 'more good')

Characteristic of Irish English, but of uncertain origin; probably from n. England, rather than Irish as many have assumed (Maguire 2012b)

The unpublished LAS3 data reveals for the first time that the feature is/was widespread in Scots too, confirming the British origin of this feature of Irish English (Maguire 2016)



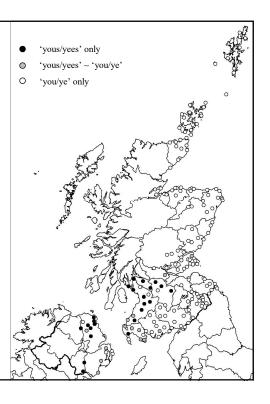


#### yous

Like English, many Scots dialects lost the distinction between sg. and pl. for the 2<sup>nd</sup> person pronoun ('you/ye')

A new form, 'yous/yees', has developed and become widespread, and is suspected of originating in Irish English

The unpublished LAS3 data shows that it is present in Ulster and in traditional dialects in SW Scotland and around Glasgow, indeed suggesting a spread from Ireland (Maguire 2012a)



#### With thanks to...

 Rachel Hosker, Cathlin Macaulay, Caroline Milligan, Stuart Robinson, Hannah Wood, Arron Mark, Margaret Mackay, Ronnie Cann, John Joseph, and Heinz Giegerich

## References

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