

### (iii) THE SOUND-SYSTEMS OF EACH OF THE INVESTIGATED ANGLO-WELSH DIALECTS

2.208 This section of Part Two lists the sound-systems of each of the 90 investigated Anglo-Welsh dialects individually. For each dialect, the complete set of vowel-units is listed, with phonetic realisations and notes on their recorded occurrences among the 144 words chosen as the basis for the phonological discussion of the dialects (cf. §2.1 above). In the case of the consonants, however, as also in the case of the vowels occurring in unstressed syllables, we have generally noted only recorded divergences (in distribution and realisation) from their counterparts in RP.

Conventions used in the lists that follow include the following:

The phonetic realisations of a Unit are listed to the right of, and often also below, the designation of the Unit concerned. Thus, for example,

/A:/ [a:]  
[æ:]

is to be read as "The /A:/ Unit is realised by [a:] and [æ:]".

After each phonetic realisation we give its distribution among the 144 Selected Words (cf. §2.1 above) in the dialect concerned.

"APPLES", "BRIDGE" etc. = 'words belonging to the APPLES set', 'words belonging to the BRIDGE set' etc. (for membership of the sets see §2.2 above).

The signs [[ ]] enclose words cited as containing the specified sounds in their UNSTRESSED SYLLABLES. Hence, for example, [[bacon, butcher, slaughter]] is to be read as 'occurring in the unstressed syllables of *bacon*, *butcher* and *slaughter*'.

## Gwynedd

### Gn 1 TREFOR

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + wasps (+ /O/); <i>branch</i> , <i>chaff</i> , <i>draught</i> , <i>grass</i> ; [[ <i>woman</i> ]]
/ʌ/	[ʌ]	SUCK (except <i>suck</i> ): [[-ER words + <i>fire</i> , <i>iron</i> , <i>onion</i> , <i>second</i> , <i>sugar</i> , <i>thousand</i> ]]
	[θ]	[[ <i>bacon</i> , <i>flour</i> , <i>hour</i> , <i>squirrel</i> ]]
/O/	[ɔ]	DOG (except <i>dog</i> , <i>quarry</i> ) + one (+ /ʌ/), <i>coli</i> ; [[ <i>waistcoat</i> ]]
	[D]	<i>dog</i> , <i>quarry</i>
/U/	[ʊ]	BULL
/I:/	[i:]	SHEEP (except <i>key</i> , <i>wheel</i> ): [[ <i>holly</i> , <i>quarry</i> ]]

/E:/	[e:]	GATE (except <i>weigh</i> )
	[ei]	<i>weigh</i>
/œ:/	[ø:]	WORK, EARS
/ɛ:/	[ɛ:]	MARE
/A:/	[a:]	<i>arm</i> , <i>calf</i> , <i>farmer</i> , <i>farthing</i>
/ɔ:/	[ɔ:]	STRAW + <i>toad</i> , <i>yolk</i> (+ /O:/)
/O:/	[o:]	BOAR: <i>coal</i> , <i>cold</i> , <i>comb</i> , <i>oak</i> , <i>old</i> , <i>road</i> , <i>snow</i> , <i>spokes</i> , <i>toad</i> , <i>yolk</i> (+ /ɔ:/); [[ <i>furrow</i> , <i>yellow</i> ]]
	[ou]	<i>shoulder</i>
/U:/	[u:]	<i>goose</i> , <i>hoof</i> , <i>root</i> , <i>stool</i> , <i>suet</i> , <i>tooth</i> , <i>two</i>
/lu/	[lu]	<i>dew</i> , <i>ewe</i> , <i>Tuesday</i>
/Iʌ/	[iθ]	<i>key</i> , <i>wheel</i>
/Ai/	[ai]	WHITE - <i>fire</i> , <i>iron</i>
/Au/	[au]	COW + <i>flour</i> , <i>hour</i>
/Oi/	[ɔi]	<i>boiling</i> , <i>voice</i>
	[ɔiθ]	<i>oil</i>

/T D N/ are dental in take, toad, tooth, two.

## Part Two

*deaf, dew, dog, draught, ladder, saw, dust, buried, spade, none, nothing, bacon, man.*

/L/ is clear in *tail, wheel*, dark in *lay* (= clear [l]), *holly, yellow*.

/S/ appears medially in *thousand, Tuesday, weasel* (= /z/), finally in *cheese* /HW/ appears initially in *weasel, wheel*.

/R/ is rolled or flapped word-initially, medially in *iron* (= retroflex /R/), and finally in *boar, butcher, butter, chair, door, farmer, finger, fire, flour, hare, hour, ladder* (= form with final vowel), *mare, year*. It is retroflex in *iron* (= flapped /R/), *pears*. See also § 2.204.

/Y/ appears initially in *ears, hear* but is lacking in *yeast, dew, Tuesday*.

## Gn 2 LLANGOED

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + wasps, <i>chaff, grass</i>
/ʌ/	[ʌ]	SUCK (except <i>onions</i> ) + <i>butcher</i> , [[ <i>butcher, ladder, onions</i> ]]
	[θ]	[[ <i>hear</i> ]]
/O/	[ɔ]	DOG (except <i>wasps</i> ) + <i>colt, one</i> (= /ʌ/)
/U/	[u]	BULL (except <i>butcher</i> )
	[ʏ]	<i>onions</i>
/I:/	[i:]	SHEEP + <i>ears, hear</i> , [[ <i>holly, ivy</i> ]]
/E/	[e]	GATE (except <i>lay</i> )
	[ei]	<i>lay</i>
/œ/	[œ]	WORK + <i>hear, year</i>
/ɛ:/	[ɛ:]	MARE
/A:/	[a:]	<i>arm, draught, calf, farmer, farthings</i>
/ɔ:/	[ɔ:]	STRAW + <i>door, four</i>
/O:/	[o:]	FOAL (except <i>colt</i> ) + <i>boar</i> , [[ <i>furrow, yellow, waistcoat</i> ]]
/U:/	[u:]	GOOSE (except <i>dew, ewe, Tuesday</i> ) + <i>comb</i> (= /O:/)
/lu/	[lu]	<i>dew, ewe, Tuesday</i>
/Ai/	[ai]	WHITE, FIRE
/Au/	[au]	COW, HOUR
/Oi/	[ɔi]	<i>boiling, voice</i>
	[ɔiθ]	<i>oil</i>

/T, D, N/ are dental in *tail, 'tatoes, 'toad, 'trough, 'two; 'butter, 'slaughter, 'stool; 'fight, 'snoul, 'waistcoat; 'deaf, 'dog; 'ladder, 'saw-dust, 'Tuesday; 'nothing; 'bacon, 'none, 'one.* /N/ appears medially in *finger* /'FINGA/.

/Ch/ appears initially in *Tuesday*.

/L/ is clear in *oil, tail, wheel, dark* in *clay, holly, shilling*.

/V/ appears finally in *sheaf* /S/ appears initially in *sugar*, finally in *cheese* (= /z:/) /HW/ appears initially in *whip, white*.

/R/ appears in *pears, boar, butcher, hare, shoulder*. It is rolled or flapped in *rabbits, roots, wrong, pears, boar, shoulder*. See also § 2.204.

/W/ is lacking in *squirrel*, /Y/ is lacking in *yeast, Tuesday*.

## Gn 3 GYFFIN

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE, [[ <i>squirrel</i> ]]
/A/	[a]	APPLES + <i>quarry; branch, chaff, draught, grass</i>
/ʌ/	[ʌ]	SUCK (except <i>furrow, one</i> )
	[θ]	<i>furrow, one</i> (= /O:/), - <i>butcher, year</i> , [[ <i>fire, iron; hear; flour, hour</i> ]]
/O/	[ɔ]	DOG (except <i>quarry, wash</i> ) + <i>one</i> (= /ʌ/); <i>colt, forks</i> (= [ɔ])
	[ɔ]	<i>wash, forks</i> (= [D])
/U/	[u]	BULL (except <i>butcher</i> ), [[ <i>twelve</i> /TU'WELV/ ]]
/I:/	[i:]	SHEEP + <i>dew</i> /'DI:YU:/; <i>hear</i> , [[ -Y words; <i>buried</i> ]]
/E/	[e]	GATE (except <i>break, gate, tail, take</i> )
	[e:]	<i>break, gate, tail, take</i> , [[ <i>Tuesday</i> ]]
/œ/	[œ:]	<i>first, third</i>
	[θ:]	<i>heard, work</i>
/ɛ:/	[ɛ:]	MARE
/A:/	[a:]	<i>arm, calf, farmer</i>
	[ɑ:]	<i>farthing</i>
/ɔ:/	[ɔ:]	STRAW (except <i>forks</i> ) + <i>foal; BOAR</i>
/O:/	[o:]	<i>comb, shoulder, spokes, yolk</i> [[ <i>furrow, yellow</i> ]]
	[ou]	<i>cold, road, snow</i> ; [[ <i>waistcoat</i> ]]
	[ɔu]	<i>coal, oak, old, toad</i>
/U:/	[u:]	GOOSE
/Ai/	[ai]	WHITE; FIRE
/Au/	[au]	COW (except <i>cow</i> ); HOUR
	[ɑu]	<i>cow</i>
/Oi/	[ɔi]	<i>boiling, voice</i>
	[Di]	<i>oil</i>
/Iʌ/	[iθ]	<i>hear, ears</i>

/T, D, N/ are dental in toad, butter, draught, foot, rat, snout, suet, that, waistcoat, white, dog, hand.

/N/ appears medially in the combination /NG/ in finger and finally in nothing, shilling.

/L/ is clear in all positions.

/Th/ is realised as long [θ:] in nothing; /S/ as long [s] in waistcoat. /S/ appears medially in weasel.

/R/ appears in ears, forks, pears, boar, butcher, butter, hare, ladder, mare, year. It is rolled or flapped in rabbits, rat, road, roots, wrong, bridge, buried, ears, forks, morning, pears, porridge, quarry, trough, boar, butcher, butter, hare, ladder, mare, year. See also § 2 204.

/Y/ appears initially in ears.

/T, D, N/ are dental in toad, tooth, trough, Tuesday, twelve, two, butter, potatoes, slaughter, stool, straw, colt, draught, first, waistcoat, white, yeast, deat, dew, door, drain, ladder, weeds, buried, cold, hand, heard, old, second, spade, third, onions, farthings, man, none, one, shilling (final /N/), woman.

/N/ appears medially in finger, finally in -ING words.

/L/ is clear in tail, wheel, dark in clay, holly, shilling, slaughter, yellow.

/S/ appears medially in Tuesday, weasel. /X/ in crochon 'bread-basket'. /HW/ appears initially in white.

/R/ appears finally in boar, butcher, door, hare, ladder, mare. It is rolled or flapped in rat, road; grass; boar, butcher, door, hare, ladder, mare. See also § 2 204.

/Y/ is lacking in year, yeast, dew, Tuesday.

#### Gn 4 DOLGARROG

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + <i>quarry</i> , <i>wasps</i> (+/O/); <i>branch</i> , <i>chaff</i> , <i>grass</i>
/ʌ/	[ʌ]	SUCK (except <i>none</i> , <i>one</i> ): [[ <i>flour</i> , <i>ladder</i> , <i>sugar</i> ]]
	[θ]	[[ <i>bacon</i> , <i>butcher</i> , <i>butter</i> , <i>farmer</i> , <i>finger</i> , <i>fire</i> , <i>hour</i> , <i>iron</i> , <i>potatoes</i> (final syllable), <i>second</i> , <i>slaughter</i> , <i>squirrel</i> , <i>woman</i> ]]
/O/	[ɔ]	DOG (except <i>quarry</i> ) + <i>none</i> , <i>one</i> ; <i>colt</i>
/U/	[u]	BULL + <i>hoof</i>
	[ʏ]	[[ <i>saw-dust</i> ]]
/I:/	[i:]	SHEEP (except <i>grease</i> ), <i>hear</i> , <i>year</i> : [[ <i>buried</i> : -Y words ]]
/E:/	[e:]	GATE: [[ <i>Tuesday</i> ]]
/ɛ:/	[ɛ:]	WORK + <i>hear</i> , <i>year</i>
/ɛ:/	[ɛ:]	MARE
/A:/	[a:]	<i>arm</i> , <i>calf</i> , <i>draught</i> , <i>farmer</i> , <i>farthing</i>
/ɔ:/	[ɔ:]	STRAW + <i>four</i>
/O:/	[o:]	FOAL (except <i>colt</i> ) + <i>boar</i> , <i>door</i> [[ <i>furrow</i> , <i>yellow</i> , <i>waistcoat</i> ]]
/U:/	[u:]	<i>goose</i> , <i>root</i> , <i>stool</i> , <i>suet</i> , <i>tooth</i>
/Iu/	[iu]	<i>dew</i> , <i>ewe</i> , <i>Tuesday</i>
/Ai/	[ai]	WHITE; FIRE
/Au/	[au]	COW, FLOUR
/Oi/	[ɔi]	OIL
/Iʌ/	[iθ]	ears

#### Gn 5 TALYSARN

/I/	[i]	BRIDGE: [[ <i>iron</i> , <i>squirrel</i> ]]
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES - <i>wash</i> (+ /O/), <i>chaff</i>
/ʌ/	[ʌ]	SUCK (except <i>onions</i> , <i>suck</i> ) - <i>butcher</i> : [[ <i>butcher</i> , <i>finger</i> , <i>flour</i> , <i>onions</i> ]]
	[θ]	[[ <i>bacon</i> , <i>fire</i> , <i>hear</i> , <i>hour</i> ]]
/O/	[ɔ]	DOG + <i>colt</i>
/U/	[u]	BULL (except <i>butcher</i> - <i>onions</i> , <i>tooth</i> )
	[ʏ]	<i>suck</i>
/I:/	[i:]	SHEEP (except <i>wheel</i> ) + EARS: [[ <i>buried</i> : -Y words ]]
/E:/	[e:]	GATE (except <i>weigh</i> ) [[ <i>Tuesday</i> ]]
	[ei]	<i>weigh</i>
/ɛ:/	[ɛ:]	WORK
/ɛ:/	[ɛ:]	MARE
/A:/	[a:]	ARM (except <i>branch</i> , <i>chaff</i> )
/ɔ:/	[ɔ:]	STRAW; <i>boar</i>
/O:/	[o:]	FOAL (except <i>colt</i> , <i>shoulder</i> ) + <i>door</i> , <i>four</i> , [[ <i>waistcoat</i> , <i>furrow</i> , <i>yellow</i> ]]
	[ou]	<i>shoulder</i>
/U:/	[u:]	GOOSE (except <i>dew</i> , <i>ewe</i> , <i>suet</i> , <i>Tuesday</i> , <i>tooth</i> ) - <i>comb</i> (+/O:/)
/Iu/	[iu]	<i>dew</i> , <i>ewe</i> , <i>suet</i> , <i>Tuesday</i>

/A/	[aɪ]	WHITE, FIRE
	[aɪ]	fight (+adj)
/Aʊ/	[aʊ]	COW (except cows), HOUR
	[θu]	you
/O/	[ɔɪ]	oil, voice
	[uɪ]	boiling

/T, D, N/ are dental as follows

/T/ initially except in *Tuesday*, medially in *butter*, *potatoes*, *slaughter*, *straw*, *writing*, finally in *draught*, *fox*, *gate*, *put*, *rat*, *saw-dust*, *snout*, *suet*, *waistcoat*, *white*, *yeast*

/D/ initially, medially in *ladder*, *saw-dust*, *shoulder*, finally in *buried*, *hand*, *old*, *road*, *second*, *third*, *toad*

/N/ in *nothing*, *drain*, *man*, *none*, *one*, *woman*

/T/ appears finally in *spade*

/Ch/ appears initially in *Tuesday*

/L/ is clear in *stool*, but dark in *ladder*, *holly*, *shilling*, *slaughter*, *yellow*

/S/ appears finally in *cheese*

/R/ appears in *ears* and finally in *boar*, *butcher*, *butter*, *chair*, *door*, *farmer*, *finger*, *fire*, *flour*, *hare*, *hour*, *ladder*, *mare*, *shoulder*, *sugar*, *year*. It is rolled or flapped in *rabbits*, *rat*, *road*, *roots*, *ears*, *straw*, *boar*, *butcher*, *butter*, *flour*, *hare*, *ladder*, *mare*, *shoulder*. It is retroflex medially in *iron* and finally in *farmer*, *finger*, *fire*, *hour*, *year*. It is a frictionless continuant in *door*. See also § 2.204

/W/ is lacking initially in *wool*. /Y/ is lacking in *year*, *yeast*, *dew*, *Tuesday*

### Gn 6 BETWS-Y-COED

/I/	[ɪ]	BRIDGE (except <i>bitch</i> )
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + <i>butter</i> , <i>quarry</i> , <i>branch</i> , <i>chaff</i> , <i>draught</i>
/ʌ/	[ʌ]	SUCK (except <i>butter</i> , <i>suck</i> ), [[ <i>iron</i> , <i>onion</i> , <i>squirrel</i> ]]
	[θ]	[[ -ER words, <i>sugar</i> , <i>fire</i> , <i>flour</i> , <i>hear</i> , <i>hour</i> ]]
/O/	[ɔ]	DOG (except <i>quarry</i> ) + <i>one</i> , <i>saw-dust</i>
/U/	[u]	BULL + <i>tooth</i>
/I/	[i]	SHEEP (except <i>grease</i> , <i>key</i> , <i>sheaf</i> ), EARS + <i>bitch</i> , <i>year</i>

		[[ <i>buried</i> , -Y words ]]
	[ɪ]	<i>grease</i> , <i>key</i>
/E/	[ɛ]	GATE (except <i>drain</i> , <i>weigh</i> ), [[ <i>Tuesday</i> ]]
	[eɪ]	<i>drain</i>
/Æ/	[æ]	<i>first</i> , <i>third</i> , <i>work</i> + <i>ears</i> (+ /ʌ/)
	[θ]	<i>heard</i>
/E/	[ɛ]	MARE
/A/	[a]	ARM (except <i>branch</i> , <i>chaff</i> , <i>draught</i> )
/ɔ/	[ɔ]	STRAW (except <i>forks</i> ) + <i>door</i> , <i>floor</i>
/O/	[o]	FOAL (except <i>cold</i> ), [[ <i>furrow</i> ]]
	[ɔu]	<i>cold</i>
/U/	[u]	GOOSE (except <i>dew</i> , <i>ewe</i> , <i>goose</i> , <i>tooth</i> )
/U/	[u]	<i>ewe</i>
/Aɪ/	[aɪ]	<i>eye</i> , <i>flies</i> n.pl., <i>mice</i> + <i>fire</i>
	[θɪ]	<i>fight</i> , <i>hive</i> , <i>ivy</i> , <i>white</i> + <i>iron</i>
/Aʊ/	[aʊ]	COW (except <i>cow</i> , <i>sow</i> , <i>thousand</i> ) + HOUR
	[θu]	<i>cow</i> , <i>thousand</i>
/Oɪ/	[ɔɪ]	OIL
/Iʌ/	[iθ]	<i>ears</i> (+ /Æ/)
/Oʌ/	[ɔθ]	<i>boar</i> , <i>forks</i>

/P/ is realised as [p:] in *apples*; /B/ as [b] in *rabbits*; /T/ as [t:] in *butter*; /D/ as dental [d:] in *saddle*; /K/ as [k:] in *second*; /G/ as [g] in *sugar*; /M/ as [m:] in *thimble*, *woman*; /N/ medially as [n:] in *onion*; /ŋg/ as [ŋ:] in *uncle*; /L/ as [l:] in *yellow*; /Th/ as [θ] in *nothing*; /S/ as [s:] in *Tuesday*; /Ch/ as [tʃ:] in *butcher*.

/B/ appears initially in *potatoes*.

/T, D/ are dental in *take*; *roots*, *slaughter*; *coli*, *fight*, *first*, *gate*, *put*, *rat*, *that*, *waistcoat*, *white*; *deaf*, *dog*; *ladder*, *saw-dust*; *buried*, *hand*, *road*, *third*; also long dental [d:] appears in *saddle*.

/N/ appears medially in *finger* ('FINGʌ'), finally in *nothing*, *shilling*.

/L/ is clear except in *oil*, *wheel*.

/S/ appears medially in *thousand*, *Tuesday*; *weasel*.

/R/ appears finally in *butcher*, *ladder*, *mare*, *year*, and medially in *saw-dust*. It is rolled or flapped in *rabbits*, *rat*, *road*, *roots*, *wrong*, *buried*, *butcher*, *mare*. See also § 2.204.

## Gn 7 BOTWNNOG

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE (except <i>buried</i> ). [[ <i>suet, Tuesday</i> ]]
/A/	[a]	APPLES + <i>quarry, wash</i> (+/O/), <i>wasps, branch, chaff,</i> <i>draught</i> ; [[ <i>second</i> ]]
/ʌ/	[ʌ]	SUCK (except <i>onions</i> ) + <i>butcher</i> ; [[ <i>butter, ears,</i> <i>farmer, flour, ladder</i> ]] [θ] <i>buried</i> ; [[ <i>bacon, butcher,</i> <i>finger, fire, hear, iron,</i> <i>onions, second, slaughter,</i> <i>squirrel, sugar, thousand</i> ]]
/O/	[ɔ]	DOG (except <i>cross, quarry,</i> <i>wasps</i> ) + <i>colt, one</i> (-/ʌ/), <i>onions</i> ; [[ <i>furrow, yellow,</i> <i>waistcoat</i> ]]
	[D]	<i>cross</i>
/U/	[U]	BULL (except <i>butcher</i> )
/I:/	[i:]	SHEEP + <i>ears, hear</i> ; [[ <i>buried,</i> <i>ivy</i> ]]
/E/	[e:]	GATE + <i>hare</i>
/E:/	[θ:]	WORK + <i>year</i>
/E:/	[ɛ:]	MARE
/A:/	[a:]	ARM (except <i>chaff, draught</i> )
/ɔ:/	[ɔ:]	STRAW - <i>spokes</i>
/O:/	[o:]	FOAL (except <i>colt, snow,</i> <i>spokes, toad</i> ) + <i>door, four</i> <i>snow</i>
	[ou]	
/U:/	[u:]	GOOSE (except <i>dew, ewe,</i> <i>suet, Tuesday</i> ) + <i>comb</i>
/lu/	[lu]	<i>dew, ewe, suet, Tuesday</i>
/Ai/	[ai]	WHITE (except <i>fight, hive,</i> <i>ivy, white</i> ) + <i>iron</i>
	[æi]	<i>fight, hive, ivy, white - fire</i>
/Au/	[au]	COW: HOUR
/Oi/	[ɔi]	OIL
/Oʌ/	[oθ]	<i>boar</i>

/T, D, N/ are dental in *tail, tooth, trough,* *twelve, two, 'atoes 'potatoes, slaughter, stool,* *straw; colt, foot, put, rat, saw-dust, suet,* *yeast; deaf, drain* (/D/ only), *dew, door,* *ladder, Tuesday; buried, hand, old, road, third,* *thousand; man, none, one, woman.* /T/ is lacking in *draught.* /D/ is lacking in *second.*

/L/ is clear in *tail,* dark in *ladder; holly,* *plough, shilling, yellow.*

/S/ appears medially in *thousand,* finally in *cheese.*

/R/ appears finally in *finger, fire, hare,* *hear, ladder, shoulder, year.* It is rolled or flapped in *rat, road, roots, wrong; bridge,*

*finger, furrow, quarry; fire, hare, ladder,* *shoulder.* It is a uvular roll in *hear,* and a uvular fricative in *buried, porridge.* It is a retroflex flap in *iron.* See also § 2 204

/W/ is lacking in *woman.* /Y/ is lacking in *yeast; dew.*

## Gn 8 YNYS

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + <i>quarry; wash</i> (+/O/), <i>one</i> (+/O/), <i>branch, chaff,</i> [[ <i>sugar</i> ]]
/ʌ/	[ʌ]	SUCK (except <i>one, suck</i> ): [[ <i>butter, farmer, finger, fire,</i> <i>hear, ladder, onions, second,</i> <i>slaughter, suet, shoulder</i> ]] [θ] [[ <i>bacon, butcher, flour, hour,</i> <i>iron, squirrel, thousand,</i> <i>waistcoat</i> ]]
/O/	[D]	<i>cross, dog + one</i> (-/ʌ/)
	[ɔ]	<i>fox, holly, off, porridge,</i> <i>trough, wash</i> (+/ʌ/), <i>wasps,</i> <i>wrong + colt</i>
/U/	[U]	BULL
/I:/	[i:]	SHEEP + <i>ears, hear</i> ; [[ -Y words (except <i>quarry</i> ) ]]
/E:/	[e:]	GATE (except <i>drain, lay, take,</i> <i>weigh</i> )
	[ei]	<i>drain, lay, take, weigh;</i> [[ <i>Tuesday</i> ]]
/E:/	[θ:]	WORK + <i>year</i>
/E:/	[ɛ:]	MARE
/A/	[a:]	ARM (except <i>branch, chaff</i> )
/ɔ:/	[ɔ:]	STRAW (except <i>morning</i> )
/O:/	[o:]	FOAL (except <i>colt, toad</i> ): BOAR + <i>morning, straw</i> (+/ɔ:/), <i>walk</i> ; [[ <i>waistcoat</i> ]]
	[ɔu]	<i>toad</i>
/U:/	[u:]	GOOSE (except <i>dew,</i> <i>ewe, Tuesday</i> ) + <i>comb</i> (-/O:/)
/lu/	[lu]	<i>dew, ewe, Tuesday</i>
/Ai/	[ai]	WHITE, FIRE
/Au/	[au]	COW + HOUR; [[ <i>yellow</i> ]]
/Oi/	[ɔi]	OIL

/T, D, N/ are dental in *tail, take, toad, tooth* (+ alveolar), *trough; slaughter, stool, straw;* *colt, draught, fight, foot, gate, put, rat, saw-dust, snout, that, waistcoat, white; deaf, dog,* *door, drain; ladder, shoulder, buried, cold,* *spade; nothing; branch, onions, bacon, man,* *none, one, woman.*

/Ch/ appears initially in *Tuesday.*

/L/ is clear in *oil, tail*; dark in *holly, shilling, slaughter, yellow*

/S/ appears finally in *cheese*, /Z/ finally in *geese, goose*, /Sh/ initially in *suet*; /X/ initially in *whip*, and /HW/ initially in *white*

/R/ appears finally in *boar, butter, door, flour, four, hare, hour, ladder, mare, shoulder, year*. It is rolled or flapped in *rabbits, rat, roots, boar, butter, door, four, hare, hour, ladder, mare, shoulder*. See also § 2.204.

/W/ is lacking initially in *wool*. /Y/ is lacking in *yeast, dew*.

*saw-dust, shoulder, weeds, cold, hand, old, road, second, spade, third, hand, onion, second, drain, man, none, one, shilling, woman*

/N/ appears finally in *boiling, shilling*.

/L/ is clear in *oil, tail*; dark in *lay, flies, flour, plough, shilling, yellow*.

/S/ appears medially in *thousand, Tuesday*; /Sh/ initially in *suet*; /X/ in the Welsh loanword *crochon* 'bread-basket'. /HW/ appears initially in *wheel*.

/R/ appears in *ears, iron, pears, work; boar, butcher, butter, door, fire, flour, hare, hear, mare, shoulder, sugar*. It is rolled or flapped in *rabbits, rat, road, roots, wrong; butcher, hare, mare, pears, straw; boar, door, shoulder*. It is a retroflex flap in *flour, hear, iron*. It is a frictionless continuant in *work n*. See also § 2.204.

/W/ is lacking initially in *wool*. /Y/ is lacking in *year, dew, Tuesday*.

### Gn 9 FRON-GOCH

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE; [[ <i>fire, porridge, suet</i> ]]
/A/	[a]	APPLES + <i>wash (+/O/)</i> , <i>wasps; branch, chaff, draught, grass</i>
/ʌ/	[ʌ]	<i>butter, furrow, none, one (+/O/)</i> , <i>suck + sugar (+/U/)</i> ; <i>trough</i> : [[ <i>butcher, finger</i> ]]
	[θ]	[[ <i>butter, fire, flour, hear, iron, weasel</i> ]]
/O/	[D]	<i>dog</i>
	[ɔ]	DOG (except <i>dog, wasps</i> ) + <i>colt: one (+/ʌ/)</i> , <i>onion</i> : [[ <i>waistcoat</i> ]]
/U/	[u]	BULL + <i>uncle</i>
/I:/	[i:]	SHEEP + EARS; [[ -Y words (except <i>quarry</i> ) ]]
/E:/	[e]	GATE (except <i>weigh</i> ): [[ <i>Tuesday</i> ]]
	[ei]	<i>weigh</i> : [[ <i>quarry</i> ]]
/Œ:/	[θ]	WORK
/E:/	[ɛ]	MARE
/A:/	[a]	<i>arm, calf, farmer</i>
	[ɑ:]	<i>farthing</i>
/ɔ:/	[ɔ:]	STRAW (except <i>straw</i> )
/O:/	[o:]	FOAL (except <i>colt, comb, toad</i> ) + BOAR; <i>straw</i> : [[ <i>furrow, potatoes (final syllable), yellow</i> ]]
/U:/	[u:]	GOOSE (except <i>dew, ewe, suet, Tuesday</i> ) + <i>comb</i>
/Ai/	[ai]	WHITE; FIRE
/Au/	[au]	COW; HOUR
/Iu/	[iu]	<i>dew, ewe, suet, Tuesday</i>

All /T, D, N/ are dental in *tail, trough, Tuesday, two; potatoes, rabbits, slaughter, stool, straw, colt, draught, fight, first, foot, gate, snout, suet, that, yeast; dew, dog, door, ladder,*

### Gn 10 RHYDYMAIN

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + <i>branch, chaff, draught (-/A:/)</i> , <i>grass (+ /A:/)</i>
/ʌ/	[ʌ]	SUCK (except <i>furrow</i> ) - <i>buried (+/E/)</i> : [[ <i>bacon, butter, farmer, finger, fire, iron, onion, second, squirrel, thousand, woman</i> ]]
	[θ]	<i>furrow</i> : [[ <i>butcher, flour, hear, hour, ladder, shoulder, slaughter, sugar</i> ]]
/O/	[D]	DOG (except <i>fox, holly, off, porridge, quarry, wash, wasps</i> ) + <i>colt</i>
	[ɔ]	<i>fox, holly, off, porridge, trough (+/D/)</i> , <i>wash, wasps + one (+/ʌ/)</i> : [[ <i>yellow</i> ]]
/U/	[u]	BULL (except <i>butcher</i> )
	[ʏ]	<i>butcher</i>
/I:/	[i:]	SHEEP; [[ -Y words ]]
	[i]	<i>hear</i>
	[ii]	<i>grease (+ [i:])</i>
/E:/	[e:]	GATE (except <i>clay, lay, tail, waistcoat, weigh</i> )
	[ei]	<i>break (+[e:]), clay, lay, tail, waistcoat, weigh</i>
	[ɛi]	<i>take (+[e:])</i>
/Œ:/	[œ:]	WORK

## Clwyd

## G I LLANFAIR TALHAIRN

	[θ]	third (-th), year (-th),
E	[ɛ]	MEAT
A	[ɔ]	ARM (except branch, shaft, calf) + man (-A), quarry, calf
	[ɔ]	STRAW, BOAR + tooth, rat, road
O	[ɒ]	FOAL (except calf, tooth, rat, road)    furrow, waistcoat    cold, old, shoulder, snow (all) + [ɔ]
U	[u]	GOOSE + word (-U)
Ia	[i]	dew
Ai	[ai]	WHITE (except flies, hare), FIRE
	[ɔi]	flies, hare
Au	[au]	COW (except plough, snout), HOUR
	[ɔu]	plough, snout, cow (-[au])
Oi	[ɔi]	OIL
Ia	[iθ]	ears, year, hear (-A)

All /T, D, N/ are dental in *road, twelve, two, slaughter, straw, gate, put, rat, saw, white, deaf, dog, drain, cold, hand, spade*.

/B/ is realised as [b] in *rabbits*, /D/ as [ð] in *ladder, saddle*, /K/ as [k] in *second*, /ŋ/ is realised as long [ŋ] in *uncle*, /L/ as long [l] in *holly, bull*, /Ch/ is realised as [tʃ] in *butcher*, /Th/ is realised as [θ] in *nothing*.

/N/ appears finally in *boiling, morning, nothing, shilling*.

/L/ is clear in *apples, cold, colt, old, shoulder, twelve* and finally.

/S/ appears medially in *weasel*, finally in *cheese*.

/R/ appears in *forks, work, bear, butcher, door, fire, four, hare, hear, ladder, mare, shoulder, sugar*. It is rolled or flapped initially, medially in *branch, break, bridge, buried, cross, drain, draught, ears, furrow, grass, grease, iron, porridge, quarry, squirrel, straw, trough, work*, finally in *boar, butcher, fire, four, hare, hear, ladder, mare, shoulder, sugar*.

/W/ is lacking in *wool*, /Y/ is lacking in *year* (-/Y/), *yeast, dew* (-/Y/).

I	[i]	BRIDGE
E	[ɛ]	KETTLE
A	[ɔ]	APPLES + branch, shaft, grass, one (-A), (O)
Ai	[ai]	SUCK    second, bear
	[θ]	farmer, fire
O	[ɒ]	DOG + one (-A), (A), (O)    waistcoat
	[θ]	fox
U	[u]	BULL
I	[i]	SHEEP + ears, bear    buried, -Y words
E	[ɛ]	GATE (except take)
	[eɪ]	take
Œ	[œ]	WORK
Ê	[ɛ]	MARE
A	[a]	arm, calf, draught, farmer, farthing
I	[i]	STRAW + four
O	[ɒ]	FOAL (except calf) + bear, dew,    furrow, yellow
U	[u]	GOOSE (except dew, ewe, Tuesday)
Iu	[iu]	dew, ewe, Tuesday
Ia	[iθ]	year
Ai	[ai]	WHITE, FIRE
Au	[au]	COW, HOUR
Oi	[ɔi]	OIL

All /T, D, N/ are dental in *tail, road, tooth, trough, butter, potatoes, rabbits, slaughter, stool, straw, colt, draught, fight, fan, put, saw, dust, snout, waistcoat* (final), *deaf, dew, dog, dew, ladder, buried, cold, hand, old, spade, branch, man, woman*.

/T/ appears finally in *chaff*.

/Ch/ appears initially in *Tuesday*.

/Sh/ appears initially in *slaughter-house*.

/L/ is clear in *kettle, saddle, tail, wheel*, dark in *holly, shilling, yellow*.

/R/ appears finally in *boar, butcher, butter* (+ form with final vowel), *finger, hare, year*. It is rolled or flapped in *rat, roots, bridge, furrow, bear, butcher, butter, finger, hare, mare, year*. See also § 2.204.

/Y/ is lacking in *ewe, yeast, dew, Tuesday*.

## CI 2 TRELAWNYD

/I/	[ɪ]	BRIDGE, [[ <i>saw-dust</i> ]]
/E/	[ɛ]	KETTLE (except <i>hurled</i> ), [[ <i>ladder</i> ]]
/A/	[a]	APPLES + <i>branch, chaff, grass,</i> <i>quarry</i> (+/O/), <i>wasps</i>
/ʌ/	[ʌ]	SUCK (except <i>one, suck</i> ), [[ <i>shoulder, squirrel</i> ]]
/θ/	[θ]	<i>one</i> (+/O/, /U/); [[ -ER words (except <i>shoulder</i> ) + <i>bacon,</i> <i>fire, flour, hear, hour, iron,</i> <i>second, sugar, woman</i> ]]
/O/	[ɔ]	DOG (except <i>wasps</i> ) + <i>one</i> (+/ʌ/, /U/)
/U/	[u]	BULL + <i>one</i> (+/ʌ/, /O/); [[ <i>suet</i> ]]
/i/	[i]	SHEEP + <i>hear, year</i> ; [[ -Y words ]]
/e/	[e]	GATE (except <i>weigh</i> ); [[ <i>Tuesday</i> ]]
	[ei]	<i>weigh, take</i> (both - [e:])
/E/	[θ]	WORK + <i>year</i>
/A/	[e]	MARE + <i>work</i> (+/E:/)
/ɔ/	[a:]	<i>arm, calf, draught, farmer</i>
/D/	[ɔ:]	STRAW (except <i>morning</i> ) <i>morning</i>
/O/	[o]	FOAL + <i>door, four</i> ; [[ <i>furrow,</i> <i>potatoes, waistcoat, yellow</i> ]]
/U/	[u]	GOOSE (except <i>dew, ewe,</i> <i>Tuesday</i> )
/Iu/	[iu]	<i>dew, ewe, Tuesday</i>
/Ai/	[ai]	WHITE, FIRE
/Oi/	[ɔ:]	OIL
/Au/	[au]	COW, HOUR
/Iʌ/	[iθ]	<i>ears</i>
/Oʌ/	[oθ]	<i>boar</i>

All /T, D, N/ are dental in *tooth, trough,*  
*two, butter, potatoes, slaughter, stool, straw,*  
*colt, fight, foot, put, waistcoat, deaf, dew, dog,*  
*door, ladder, cold, hand, old, second, spade,*  
*hand, onion, bacon, man, one, none, shilling*  
(final /N/), *woman*

/N/ appears finally in *boiling, morning,*  
*shilling*

/L/ is clear in *oil, tail, wheel,* dark in  
*flour, holly, shilling, slaughter, yellow.*

/R/ appears finally in *door, flour, hare.* It  
is rolled or flapped in *roots, bridge, door,*  
*flour, grass, hare.* See also § 2.204

/Y/ is lacking in *year, yeast, dew, Tuesday*

## CI 3 BUCKLEY

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + <i>branch, grass,</i> <i>draught, wash</i> (+/ʌ/), <i>wasps</i> (+/O/), <i>furrow</i> (+/U/), <i>one</i> (+/ʌ/, /O/)
/ʌ/	[ɑ]	<i>rat</i> (+/a), <i>wash</i> (+/a)
/ʌ/	[ʌ]	<i>none, one</i> (+/ʌ/, /O/), <i>onion</i>
/θ/	[θ]	<i>onion</i> (+/ʌ/); [[ -ER words + <i>fire, flour, hear, onion, 'atoes</i> (final), <i>second, sugar,</i> <i>thousand, woman, yellow</i> (+/O:/) ]]
/O/	[ɔ]	DOG (except <i>wash</i> ) + <i>one</i> (+/ʌ/, /ʌ/)
/U/	[u]	BULL (except <i>butcher</i> ) + <i>butter, furrow</i> (+/ʌ/), <i>jump,</i> <i>nothing, suck</i> (+/ʌ/), <i>uncle</i> <i>butcher, suck</i> (+/U/), <i>butter</i> (+/U/)
/I:/	[i:]	SHEEP + <i>spade</i> (+/E:/), <i>weigh</i> (+/E:/); [[ <i>ivy</i> (+/I:/) ]]
/E:/	[ei]	GATE + <i>sheep</i> (+/I:/); <i>waistcoat</i>
/E:/	[ei]	<i>weigh</i> (+/ei), /I:/
/E:/	[e:]	WORK + <i>year, hare</i> (+/E:/); <i>chair</i> (+/Eθ/), <i>hare</i> (+/E:/), <i>mare</i> (+/Eθ/), <i>pears</i>
/A:/	[a:]	<i>chair</i> (+/E:), <i>mare</i> (+/E:); <i>arm, calf</i> (+/ʌ:/), <i>farmer,</i> <i>farthing</i>
/O:/	[ɑ:]	<i>calf</i> (+ [a:])
/O:/	[ɔ:]	STRAW + <i>comb</i> (+/O:/); <i>boar</i> (+/O:/, /Oʌ/), <i>four</i> (+/Oʌ/)
/O:/	[o:]	<i>coal</i> (+/ɔu/), <i>foal, road</i> (+/ou/), [ɔu], <i>shoulder</i> (+/ɔu/), <i>snow,</i> <i>yolk</i> (+/U:/) + <i>boar</i> (+/ɔ:/, /Oʌ/); [[ <i>waistcoat</i> (+/θu/) ]]
/O:/	[ɔu]	<i>coal</i> (+/o:), <i>cold, colt, comb</i> (+/ɔ:/), <i>oak, old, road</i> (+/o:), [ou], <i>shoulder</i> (+/o:), <i>spokes</i> (+/ou/), <i>toad</i> ; [[ <i>yellow</i> ]]
/O:/	[ou]	<i>road</i> (+ [o:], [ɔu]), <i>spokes</i> (+/ɔu/)
/U:/	[θu]	[[ <i>waistcoat</i> (+/o:) ]]
/U:/	[u:]	GOOSE + <i>yolk</i> (+/O:/)
/U:/	[u:]	<i>ewe</i> (+/u:)
/Ai/	[ai]	[[ <i>furrow</i> ]]
/Ai/	[ai]	WHITE, FIRE
/Oi/	[θi]	<i>wheel</i> (+/I:/); <i>voice</i> (+/Oi/)
/Oi/	[ɔ:]	OIL
/Au/	[au]	COW (except <i>thousand</i> ) + <i>hour</i> <i>flour, plough</i> (+/au/), <i>thousand</i>
/Iʌ/	[iθ]	<i>ears</i>
/Oʌ/	[oθ]	<i>boar</i> (+/ɔ:/, /O:/), <i>door</i>



(+[uθ]), *four* (+[ɔ:] /  
[uθ] *door* (+[oθ])

/N/ appears medially in *finger*, finally in *boiling, morning, shilling*

/L/ is clear in *apples, colt, old, shoulder, twelve, coal, foal, kettle, saddle, squirrel, tail, thimble, weasel, wheel* (+ dark [ɫ]), *wool* (+ dark [ɫ]).

#### CI 4 LLANFAIR DYFFRYN CLWYD

/I:/	[i]	BRIDGE, [[ <i>squirrel</i> ]]
/E:/	[ɛ]	KETTLE
/A:/	[a]	APPLES + wasps (+/O/), <i>branch, chaff, draught, grass; one</i> (+/Λ/, /O/)
/Λ/	[ʌ]	<i>butter, furrow, none, nothing, onion, suck, uncle</i> : [[ <i>butcher, finger</i> ]]
	[θ]	<i>one</i> (+/A/, /O/): [[ <i>butter, suet, farmer, flour, hour, iron</i> ]]
/O:/	[ɔ:]	DOG + <i>one</i> (+/A/, /Λ/), <i>colt</i>
/U:/	[u]	BULL
/I:/	[i:]	SHEEP [[ <i>buried</i> + -Y words]]
/E:/	[e:]	GATE: [[ <i>Tuesday</i> ]]
/E:/	[θ:]	WORK + <i>ears, hear, year</i>
/E:/	[ɛ:]	MARE
/A:/	[a:]	ARM (except <i>branch, chaff, draught, grass</i> )
	[ɑ:]	<i>calf</i> (+[a:])
/ɔ:/	[ɔ:]	STRAW - <i>door, four</i>
/O:/	[o:]	FOAL (except <i>colt</i> ) - <i>boar</i> , [[ <i>furrow</i> ]]
/U:/	[u:]	GOOSE (except <i>dew, ewe, Tuesday</i> )
/Iu/	[iu]	<i>dew, ewe, Tuesday</i>
/Ai/	[ai]	WHITE (except <i>eye</i> ): FIRE
/Oi/	[ɔi]	OIL
/Au/	[au]	COW: HOUR

All /T, D, N/ are dental in *tail, take, toad, trough, Tuesday, twelve, two; butter, potatoes, slaughter; colt, draught, fight, foot, gate, put, snout, that, white; deaf, dew, dog, door, drain; ladder; cold, hand, old, road; onion, second; bacon, man, none, one, shilling, woman.*

/N/ appears finally in *shilling*.

/L/ is clear in *coal, kettle, oil, tail, wheel; dark* in *plough, shilling*.

/Sh/ appears finally in *grass*.

/R/ appears finally in *boar, finger, hare*.

*ladder, mare* (in which words it is rolled or flapped), *rabbits, rat, wrong, bridge, trough*. See also § 2.204.

/Y/ appears initially in *ears, hear*, and is lacking in *ewe* (+/Y/), *yeast, dew, Tuesday*

#### CI 5 CYNWYD

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + <i>one</i> (+/O/)
	[ɑ]	<i>hand</i> (+[a]) + <i>dog, wash</i> (+/O/), <i>chaff, grass</i>
/Λ/	[ʌ]	<i>none, nothing, suck, uncle</i>
	[θ]	<i>butter, furrow, onion</i>
/O/	[ɔ]	<i>fox, wash</i> (+/A/), <i>one</i> (-/A/); <i>trough</i> (+/D/)
	[D]	<i>cross, porridge</i> + <i>colt</i> (+/O/), <i>trough</i> (+[ɔ]), <i>quarry; one</i> (+/A/)
/U/	[u]	BULL + <i>tooth</i> (+/U/)
/I:/	[i:]	SHEEP (except <i>cheese, sheaf</i> ) - <i>ears</i> : [[ <i>buried, -Y words</i> ]]
/E:/	[e:]	GATE (except <i>bacon, clay, drain</i> ): [[ <i>Tuesday</i> ]]
	[ei]	<i>bacon, drain, tail</i> (-[e])
	[ɛi]	<i>clay</i>
/E:/	[æ:]	<i>first, third</i>
	[θ:]	<i>heard, work</i> (+ /ɔ:/)
/E:/	[ɛ:]	MARE
/A:/	[a:]	ARM (except <i>arm, chaff, grass</i> )
	[ɑ:]	<i>arm, calf</i> (+[a:]), <i>farmer</i> (+[a:])
/ɔ:/	[ɔ:]	STRAW (except <i>forks</i> ) + <i>boar, door; work</i> (+/E:/), <i>spokes</i> (+/O:/)
	[D:]	<i>forks</i>
/O:/	[o:]	FOAL + <i>four</i> : [[ <i>furrow, potatoes, waistcoat, yellow</i> ]]
	[ɔu]	<i>cold</i> (+[o:]), <i>colt</i> (-/O/)
/U:/	[u:]	GOOSE
/Iu/	[iu]	<i>ewe</i>
/Ai/	[ai]	WHITE (except <i>eye</i> ): FIRE
	[ɑi]	<i>eye, ivy</i> (+[ai]) + <i>iron</i> (+[ai])
/Oi/	[ɔi]	OIL
/Au/	[au]	<i>cow, plough, sow n.</i> : HOUR
/IΛ/	[iθ]	<i>hear, year</i>

/P/ is realised as [p:] in *apples*; /B/ as [b:] in *rabbits*; /T/ as [t:] in *kettle*; /D/ as [d:] in *ladder*; /M/ as [m:] in *woman*; /ŋ/ as [ŋ] in *uncle*; /Th/ as [θ:] in *nothing*; /L/ as [l:] in *colt, bull*.

All /T, D, N/ are dental in *tail, take, toad, tooth* (+ alveolar), *two; butter, kettle, rabbits; colt* (+ alveolar), *first, foot, gate, put, suet,*

waistcoat, door, drain, weeds, hand, heard, old, road, spade, thousand

/T/ is lacking in *saw-dust*, /D/ in *second*.

/N/ appears finally in *boiling*, *nothing*, *shilling*.

/L/ is clear in *apples*, *cold*, *colt* (+ dark [ɪ]), *old*, *shoulder*, *twelve*; *bull*, *coal*, *foal*, *kettle*, *oil*, *saddle*, *stool*, *tail*, *thimble*, *uncle*, *weasel*, *wool*.

/V/ appears finally in *calf* (+/E/), /HW/ appears initially in *whip* (+/W/).

/R/ appears medially in *first*, *third*, *work*; finally in *boar*, *butcher*. It is rolled or flapped in *rabbits*, *rat*, *road*, *roots*; *bridge*, *buried*, *furrow*, *grass* (-uvular roll), *porridge*, *squirrel*, *straw*, *third*, *trough*; *boar*, *butcher*, *finger*, *fire*, *ladder*. See also § 2.204.

### CI 6 OVERTON

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES (except <i>man</i> ) + <i>quarry</i> ; <i>branch</i> , <i>chaff</i> , <i>draught</i> , <i>grass</i>
/ʌ/	[ʌ]	<i>butter</i> , <i>furrow</i> , <i>one</i> (+/O/), <i>onion</i> , <i>suck</i> , <i>uncle</i> + <i>holly</i> , <i>trough</i> , <i>sheaf</i>
	[θ]	[[ -ER words ]]
/O/	[D]	DOG (except <i>off</i> , <i>quarry</i> , <i>trough</i> ) + <i>one</i> (+/ʌ/), <i>none</i> , <i>nothing</i> , <i>saw-dust</i> ; <i>colt</i>
	[ɔ]	<i>off</i>
/U/	[U]	BULL + <i>jump</i> + <i>hoof</i> (+/U:/)
/I/	[i:]	SHEEP (except <i>sheaf</i> , <i>weeds</i> ) + <i>hear</i> ; [[ <i>buried</i> + -Y words ]]
	[ii]	<i>weeds</i>
/E:/	[e:]	<i>bacon</i> , <i>break</i> , <i>gate</i> , <i>spade</i> , <i>tail</i> , <i>take</i> , <i>waistcoat</i>
	[ei]	<i>drain</i> , <i>potatoes</i>
	[Ei]	<i>clay</i> , <i>lay</i> , <i>weigh</i>
/E:/	[æ:]	WORK
/E:/	[ɛ:]	<i>chair</i>
	[Eθ <sup>T</sup> ]	<i>hare</i>
	[Eθ]	<i>pears</i>
	[E <sup>T</sup> ]	<i>mare</i>
/A/	[a:]	ARM (except <i>branch</i> , <i>chaff</i> ) + <i>man</i>
/ɔ:/	[ɔ:]	STRAW (except <i>forks</i> , <i>morning</i> , <i>straw</i> , <i>saw-dust</i> )
	[ɔ <sup>T</sup> ]	<i>forks</i> , <i>morning</i>
/O/	[o:]	<i>coal</i> , <i>foal</i> , <i>oak</i> , <i>old</i> , <i>road</i> , <i>shoulder</i> , <i>toad</i> ; [[ <i>potatoes</i> ]]

[ou] *cold*, *comb*, *snow*, *spokes*, *yolk*; [[ *waistcoat*, *yellow* ]]

[ɔu] *cold*

/U:/ [u:] GOOSE

/A/ [ai] WHITE (except *fight*)

[ɑi] *fire*

[θi] *iron*

/Au/ [au] COW (except *snout*, *thousand*)

[ɑu] HOUR + *thousand*

[æu] *snout*

/Oi/ [ɔi] OIL + *fight*

/Iʌ/ [iθ<sup>T</sup>] *ears*, *hear*, *year*

/Oʌ/ [ɔθ<sup>T</sup>] *boar*, *door*, *four*

/P/ is realised as [p:] in *apples*. /T/ is lacking in *draught*. /T, D/ are dental in *two*; *foot*; *buried*.

/N/ appears medially in *finger*.

/L/ is clear in *bull*, *kettle*, *saddle*, *stool*, *tail*, *thimble*, *weasel*, *wheel*; dark in *boiling*, *holly*, *yellow*.

/V/ appears finally in *calf*.

/R/ appears medially in *pears*, *saw-dust*

### CI 7 NANTGLYN

/I/	[ɪ]	BRIDGE + <i>sugar</i>
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES - <i>dog</i> ; <i>branch</i> , <i>chaff</i> , <i>grass</i> , <i>wash</i> , <i>uncle</i> , <i>one</i> (+/ʌ/, /O/)
/ʌ/	[ʌ]	SUCK (except <i>uncle</i> )
	[θ]	<i>buried</i> , <i>hear</i> ; [[ -ER words ]]
/O/	[ɔ]	DOG (except <i>dog</i> , <i>wash</i> ); [[ <i>furrow</i> ]]
	[D]	<i>cross</i> , <i>fox</i> , <i>wrong</i> (+ [ɔ]). <i>one</i> (+/A/, /ʌ/)
/U/	[U]	BULL (exc. <i>sugar</i> ); [[ <i>sawdust</i> ]]
/I:/	[i:]	SHEEP (except <i>cheese</i> , <i>sheaf</i> ) + <i>hear</i> ; [[ <i>buried</i> ; -Y words ]]
	[i]	<i>ears</i> ; [[ <i>dew</i> ]]
/E:/	[e:]	GATE (exc. <i>break</i> ); [[ <i>Tuesday</i> ]]
/E:/	[æ:]	WORK
	[θ:]	<i>year</i> ; <i>first</i> (+[æ:])
/E:/	[ɛ:]	MARE + <i>break</i> , <i>twelve</i> (+/E/)
/A:/	[a:]	ARM (except <i>branch</i> , <i>chaff</i> , <i>grass</i> )
/ɔ:/	[ɔ:]	STRAW; BOAR + <i>foal</i> , <i>oak</i> ; <i>off</i> (+/O/)
	[D:]	<i>forks</i> (+[ɔ:])
/O:/	[o:]	<i>old</i> , <i>road</i> , <i>snow</i> , <i>spokes</i> ; [[ <i>waistcoat</i> , <i>yellow</i> ]]
	[ɔu]	<i>cold</i> , <i>comb</i> , <i>shoulder</i>

U /	[u]	GOOSE
Ai /	[ai]	WHITE (except <i>fight, ivy, white</i> ), FIRE
	[θi]	<i>fight</i>
Ov /	[ɔi]	voice
Au /	[ɑu]	COW
	[au]	plough (+[ɑu]); HOUR

/P/ is realised as [p] in *apples*; /T/ as [t] in *butter*

T, D/ are dental in *tooth, two, foot, snout, that, waistcoat* (final only), *deaf, ladder, shoulder, old, road*

V/ appears finally in *calf* (+/F/)

/L/ is clear in *apples, cold, old, shoulder, twelve; bull, foal, tail, uncle, wool, dark in holly; plough, yellow*

/W/ is preceded by /U/ in *one* and is lacking in *woman* /U.UMAN

/R/ appears medially in *ears, farmer*, finally in *boar, butcher, butter, door* (+ form with final vowel), *fire, hear, hour, shoulder* It is rolled or flapped in *rat, road, root; branch, ears, furrow, grass, grease, straw, boar, butter, door, flour, hear, hour, shoulder* Uvular fricative /R/ is recorded in *furrow* (+ roll or flap), *grass, straw*. See also § 2.204.

## Powys

### P 1 LLANGYNOG

/I/	[i]	BRIDGE + <i>yellow</i>
/E/	[ɛ]	KETTLE (except <i>yellow</i> ), [[ <i>squirrel, fire</i> ]]
/A/	[a]	APPLES + <i>quarry, wash;</i> <i>branch, chaff, draught</i>
/ʌ/	[ʌ]	SUCK (except <i>one</i> ) + <i>trough</i>
	[θ]	[[ -ER words + <i>apples, flour, furrow, hour, iron, kettle, second, thousand, weasel, woman</i> ]]
/O/	[ɔ]	DOG (except <i>quarry, trough, wash</i> ) + <i>one; [[ bacon ]]</i>
/U/	[u]	BULL (except <i>foot</i> )
/I:/	[i:]	SHEEP (exc. <i>sheaf</i> ); [[ <i>holly</i> ]]
/Ei/	[ɛi]	GATE (exc. <i>clay, spade, weigh</i> ) <i>spade, weigh</i>
/œ:/	[θ]	<i>first, heard, third</i>
	[œ:]	<i>work</i>
/E./	[ɛθ]	MARE
/A:/	[ɑ:]	<i>calf, farmer, farthing, grass</i>

	[θθ]	<i>arm</i>
	[ɔ]	STRAW + <i>sheaf</i>
/O /	[o]	FOAL (except <i>coal, comb</i> ) + <i>door, foot</i> [[ <i>waistcoat, yellow</i> ]]
/U /	[u]	GOOSE + <i>comb</i>
	[u]	<i>hour</i>
/Ai/	[ai]	WHITE, FIRE + <i>clay</i>
/Oi/	[ɔi]	<i>boiling</i>
	[oi]	<i>oil</i>
/Au/	[au]	COW + <i>flour</i>
/ʌ/	[iθ]	<i>ears, year</i>
/Oʌ/	[oθ]	<i>boar, four + coal</i>

/T/ appears finally in *cold* and is lacking in *rabbits, yeast*. /G/ is lacking in *finger*

/N/ appears finally in *farthing, morning* (+/Ng/), *shilling*

/L/ is always clear

/V/ appears finally in *off, sheaf* /S/ appears medially in *thousand* (-/Z/), *Tuesday*; finally in *cheese* (+/Z/), *wash*. /Sh/ appears medially in *butcher*, finally in *bitch* /Zh/ appears finally in *porridge*, /HW/ initially in *whip*

/R/ appears medially in *forks*. It is rolled or flapped in *root, wrong, quarry*

/Y/ is lacking in *yeast*

### P 2 LLANFECHAIN

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE, [[ <i>butcher, butter, hour, shoulder</i> ]]
/A/	[a]	APPLES + <i>arm, branch, chaff, farthing, grass</i>
/ʌ/	[ʌ]	SUCK (except <i>none, one</i> ) - <i>trough</i>
	[θ]	[[ <i>apples, bacon, farmer, finger, fire, flour, hear, iron, kettle, ladder, onions, potatoes</i> (final syllable), <i>saddle, second, slaughter, squirrel, sugar, thimble, uncle, weasel, woman</i> ]]
/O/	[ɔ]	DOG (except <i>cross, trough</i> ) + <i>none, one, four</i>
/U/	[u]	BULL + <i>tooth</i>
/I:/	[i:]	SHEEP (except <i>key, wheel</i> ) - <i>hear; [[ buried, ivy, quarry ]]</i>
/E:/	[ɛi]	GATE (except <i>drain</i> ), [[ <i>Tuesday</i> ]]
	[ei]	<i>drain</i>
/œ:/	[θ]	WORK

/ɛ/	[ɛθ]	MARE	/æ/	[æ.]	heard, third
/A/	[ɑ]	calf, farmer	/ɛ/	[ɛ]	MARE
	[aθ]	draught	/A/	[ɑ]	arm, calf, farmer, farthing
/ɔ/	[ɔ]	morning, saw-dust, slaughter + cross		[u.]	branch
/O/	[o.]	FOAL (except comb); [[ furrow, waistcoat, yellow ]]	/ɔ/	[ɔ]	STRAW (except walk) + boar
/U/	[u]	GOOSE (except stool, tooth) + comb	/O/	[o:]	FOAL (except colt); [[ furrow, yellow ]]
	[uθ]	stool		[ou]	sow n
/Ai/	[ai]	WHITE; FIRE	/U:/	[u:]	GOOSE (except tooth)
/Oi/	[ɔi]	OIL	/Ai/	[ai]	WHITE; FIRE + clay
/Au/	[au]	COW (except thousand), HOUR	/Oi/	[ɔi]	OIL
	[ɑu]	thousand	/Au/	[ɑu]	cow, plough, thousand, HOUR
/iʌ/	[iɛ]	ears, year + key	/iʌ/	[iθ]	ears, year + wheel
	[iθ]	wheel	/Oʌ/	[ɔθ]	four + walk
/Oʌ/	[ɔθ]	forks, straw, walk		[oθ]	door + snout [[ waistcoat ]]
	[oɛ]	boar, door			

/D/ is lacking in second. /G/ is lacking in finger.

/N/ appears medially in *uncle*, finally in -ING words.

/L/ is always clear.

/Th/ appears medially in *farthing*, finally in *with*. /HW/ appears initially in *weeds*, *whip*.

/R/ appears finally in *butcher*, *butter*. It is rolled or flapped in *wrong*, *bridge*, *drain*, *butcher*.

/Y/ is lacking in *year*.

/D/ is lacking in second. It is dental in *cold*.

/N/ appears medially in *finger*, *uncle*, finally in -ING words.

/Th/ appears medially in *farthing*.

/L/ is always clear.

/R/ appears in *arm*, *first*, *forks*, *work*, *boar*. It is rolled or flapped initially, and also in *arm*, *break*, *bridge*, *cross*, *drain*, *first*, *furrow*, *grass*, *porridge*, *quarry*, *squirrel*, *straw*, *trough*, *work*, *boar*.

/Y/ appears initially in *gate* but is lacking in *year*, *yeast*.

### P 3 FOEL

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE: [[suet, weasel, fire ]]
/A/	[a]	APPLES + chaff, draught, grass
/ʌ/	[ʌ]	SUCK (except none, one, onions)
	[θ]	[[ -ER words; apples, flour, hear, hour, iron, potatoes (final syllable), second, squirrel, sugar, thousand, woman ]]
	[œ]	first, work
/O/	[ɔ]	DOG + one, colt
/U/	[U]	BULL + none, onions: tooth; [[ onions ]]
/I:/	[i:]	SHEEP (except wheel) + hear; [[ ivy, quarry ]]
/E:/	[ɛi]	GATE (except clay, drain, potatoes)
	[ei]	drain, potatoes

### P 4 PONT ROBERT

/I/	[ɪ]	BRIDGE + kettle
/E/	[ɛ]	KETTLE (except kettle), [[ -ER words, fire, flour, iron, shoulder, suet, sugar ]]
/A/	[a]	APPLES + quarry, branch, chaff
	[ɑ]	grass
/ʌ/	[ʌ]	SUCK (except jump, one) + trough
	[θ]	[[ apples, bacon, kettle, saddle, second, squirrel, thousand, uncle, weasel ]]
/O/	[ɔ]	DOG (except quarry, trough, wrong) + one
/U/	[U]	BULL + jump, tooth, [[ thimble ]]
/I:/	[i:]	SHEEP (except wheel); [[ holly, ivy, quarry ]]
	[ii]	wheel

/E/	[eɪ]	GATE, [[ Tuesday ]]
/ɛ:/	[œ:]	WORK
/ɛ:/	[ɛθ]	MARE
A:	[ɑ]	ARM (except arm, branch, chaff, grass)
	[ɑθ]	arm
	[aɛ]	hour
/ɔ:/	[ɔ:]	STRAW (except forks, saw-dust)
/O:/	[o:]	FOAL; [[ furrow, potatoes (final syllable), waistcoat, yellow ]]
/U:/	[u:]	GOOSE (except stool, tooth)
	[uθ]	stool
/Ai/	[ai]	WHITE: FIRE
/Oi/	[oi]	boiling, oil
	[ɔi]	voice
/Au/	[au]	COW + flour
/IΛ/	[iɛ]	EARS
/OΛ/	[oɛ]	BOAR
	[ɔθ]	wrong, forks

/N/ appears medially in *finger*; finally in *farthing, morning, shilling*

/L/ is always clear.

/S/ appears medially in *thousand*.

/R/ is rolled or flapped in *rat, root*. It appears finally in *flour*

/Y/ is lacking in *yeast*.

### P 5 GUILDSFIELD

/I/	[i]	BRIDGE: [[ oil ]]
/E/	[ɛ]	KETTLE (except yellow); [[ flour ]]
/A/	[a]	APPLES + branch, chaff, grass
/Λ/	[ʌ]	SUCK (except none, one) - yellow; trough
	[θ]	[[ -ER words; apples, bacon, flour, four, hear, hour, iron, kettle, potatoes (final syllable), saddle, second, squirrel, sugar, thimble, thousand, uncle, weasel ]]
	[θ <sup>T</sup> ]	[[ fire ]]
/O/	[ɔ]	DOG (except cross, off, trough) + none, one
/U/	[u]	BULL
/I:/	[i:]	SHEEP (except sheaf, wheel) + hear; [[ holly ]]
	[ii]	wheel
/E:/	[eɪ]	GATE + chair; [[ Tuesday ]]
/ɛ:/	[œ:]	WORK
/ɛ:/	[ɛθ]	MARE (except chair)
/A:/	[ɑ:]	arm, calf, farmer, farthing

	[aθ]	draught
/ɔ:/	[ɔ]	STRAW (exc. forks, saw-dust)
/O/	[o]	FOAL + sheaf. [[ waistcoat yellow ]]
/U:/	[u]	GOOSE (exc. dew). [[ furrow ]]
	[u]	four
/Iu/	[iu]	dew
/Ai/	[ai]	WHITE
/Oi/	[ɔi]	boiling, voice
	[oi]	oil
/Au/	[au]	COW, HOUR
/IΛ/	[iθ]	ears, year
/OΛ/	[oθ]	boar, door, forks, off

/G/ is lacking in *finger*

/N/ appears finally in *farthing, morning, shilling*

/L/ is always clear

/F/ is lacking in *sheaf* /V/ appears finally in *calf*. /HW/ appears initially in *with*

/Y/ is lacking in *year, yeast*.

### P 6 CEMMAES ROAD

/I/	[i]	BRIDGE (except bridge)
/E/	[ɛ]	KETTLE + waistcoat
/A/	[a]	APPLES (except rabbits) + branch, chaff, draught, grass
/Λ/	[ʌ]	SUCK (except one, onions) - rabbits, trough; [[ onions, waistcoat ]]
	[θ]	[[ -ER words: apples, fire, flour, hear, hour, iron, potatoes (final syllable), second, squirrel, sugar, thousand, weasel ]]
/O/	[ɔ]	DOG (except trough) + one, onions; [[ furrow ]]
/U/	[u]	BULL (except foot) + tooth
/I:/	[i:]	geese, pea, weasel, weeds, wheel + hear; [[ holly ]]
/E:/	[eɪ]	gate, lay, spade, weigh
	[eɪ]	bacon, break, drain, potatoes, take
/ɛ:/	[œ:]	WORK
/ɛ:/	[ɛθ]	MARE
/A:/	[ɑ:]	arm, calf, farmer, farthing
/ɔ:/	[ɔ:]	STRAW (except saw-dust, straw) + door (+/O:/)
/O:/	[o:]	FOAL (except comb) + door (+/ɔ:/); sheaf; [[ yellow ]]
	[ou]	plough
/U:/	[u:]	ewe, hoof, suet, Tuesday.

		two + comb
	[uθ]	goose, root, stool
	[u]	foot
	[iu]	dew
/A:/	[ai]	WHITE, FIRE + clay, tail
/O:/	[ɔi]	OIL
/Au/	[au]	snout, sow n., thousand, HOUR
	[au]	cow
/IΛ/	[iθ]	ears, hear + cheese, grease, yeast
/OΛ/	[ɔθ]	four; straw

/T/ is lacking in *rabbits*, it is dental in *snout* /D/ appears finally in *waistcoat* /'GWESKAD/. it is lacking in *cold*, *second*. /G/ is lacking in *finger*.

/N/ appears medially in *uncle*, finally in *boiling* (+/Ng/)

/L/ is always clear **except** in *wool*. It is lacking in *shoulder*

/V/ appears finally in *calf*, *sheaf*; /S/ appears medially in *thousand*, *Tuesday*, *weasel*. /HW/ appears initially in *wheel*, *whip*, *white*

'R' appears medially in *farmer*, *first*, *forks*, *heard*, *pears*, *third*, *walk* [*sic*], *work*, and finally in *chair*, *door*, *flour*, *hare*, *mare*, *sugar*. It is rolled or flapped in *rat*, *road*, *root*, *wrong*, also medially (**except** in *straw*) and finally

'W' is lacking in *woman* (+ form with *W/*), *wool*. /Y/ is lacking in *dew*

### P 7 STAYLITTLE

/I/	[i]	BRIDGE ( <b>except</b> <i>squirrel</i> ) + <i>kettle</i> , <i>break</i>
/E/	[ɛ]	KETTLE ( <b>except</b> <i>deaf</i> , <i>kettle</i> ), [[ <i>butcher</i> , <i>farmer</i> , <i>fire</i> , <i>flour</i> , <i>hour</i> , <i>saddle</i> (+/Λ/), <i>sugar</i> ]]
/A/	[a]	APPLES ( <b>except</b> <i>rat</i> ) + <i>chaff</i> , <i>draught</i>
/Λ/	[Λ]	SUCK ( <b>except</b> <i>one</i> ) + <i>saddle</i> (+/A/); [[ <i>saddle</i> (-/E/), <i>finger</i> ]]
	[θ]	[[ <i>apples</i> , <i>bacon</i> , <i>butter</i> , <i>furrow</i> , <i>iron</i> , <i>kettle</i> , <i>onions</i> , <i>potatoes</i> (final syllable), <i>rabbits</i> , <i>second</i> , <i>shoulder</i> , <i>slaughter</i> , <i>suet</i> , <i>thimble</i> , <i>thousand</i> , <i>waistcoat</i> , <i>yellow</i> ]]
/O/	[ɔ]	DOG ( <b>except</b> <i>quarry</i> , <i>trough</i> , <i>wasps</i> ) + <i>one</i> , <i>colt</i>
/U/	[u]	BULL + <i>tooth</i>
/I/	[i]	SHEEP ( <b>except</b> <i>weasel</i> )

		<i>weeds</i> ; [[ <i>ivy</i> ]]
/E:/	[ɛi]	GATE ( <b>exc.</b> <i>bacon</i> , <i>break</i> , <i>gate</i> , <i>weigh</i> ) + <i>eye</i> ; [[ <i>Tuesday</i> ]]
	[ei]	<i>bacon</i> , <i>weigh</i>
/E:/	[θ:	WORK
/E:/	[εθ]	MARE ( <b>except</b> <i>mare</i> )
	[ε:]	<i>mare</i>
/A:/	[α:]	<i>farmer</i> , <i>farthing</i> , <i>grass</i>
	[a:]	<i>calf</i>
/ɔ:/	[ɔ:]	STRAW ( <b>except</b> <i>saw-dust</i> )
/O:/	[o:]	FOAL ( <b>except</b> <i>colt</i> , <i>comb</i> , <i>oak</i> , <i>toad</i> ) + <i>four</i>
/U:/	[u:]	GOOSE ( <b>except</b> <i>goose</i> , <i>stool</i> , <i>tooth</i> ) + <i>comb</i>
	[uθ]	<i>stool</i>
/Ai/	[ai]	WHITE ( <b>except</b> <i>eye</i> , <i>hive</i> , <i>mice</i> ); FIRE + <i>boiling</i>
/Oi/	[ɔi]	<i>oil</i>
/Au/	[au]	COW; HOUR
	[au]	<i>trough</i>
/IΛ/	[iε]	<i>hear</i>
	[iθ]	<i>weeds</i> , <i>gate</i>
/OΛ/	[oθ]	<i>boar</i> , <i>door</i>

/T/ appears finally in *cold*. It is lacking in *rabbits*, *first*. /D/ is lacking in *second*

'N' appears finally in -ING words

'L' is always clear

/F/ is lacking in *trough* /V/ appears finally in *sheaf*. /Z/ appears finally in *grease*. /HW/ appears initially in *whip*, *white*

/R/ appears in *forks*; *chair*, *door*, *finger*, *hare*. It is rolled or flapped in *root*; *torks*, *grass*, *grease*; *finger*

/W/ is lacking in *wool* (+ form with /W/) /Y/ is lacking in *ewe*.

### P 8 CARNO

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE + <i>take</i> ; <i>mare</i> , [[ <i>butter</i> , <i>flour</i> , <i>hour</i> , <i>ladder</i> , <i>squirrel</i> , <i>suet</i> , <i>sugar</i> ]]
/A/	[a]	APPLES ( <b>except</b> <i>saddle</i> ) + <i>wasps</i> ; <i>branch</i> , <i>chaff</i> , <i>grass</i>
/Λ/	[Λ]	SUCK ( <b>except</b> <i>one</i> ) + <i>trough</i>
	[θ]	<i>work</i> ; [[ <i>bacon</i> , <i>butcher</i> , <i>farmer</i> , <i>finger</i> , <i>fire</i> , <i>hear</i> , <i>iron</i> , <i>potatoes</i> (final syllable), <i>second</i> , <i>shoulder</i> , <i>slaughter</i> , <i>thimble</i> , <i>thousand</i> , <i>weasel</i> ]]
/O/	[ɔ]	DOG ( <b>except</b> <i>trough</i> , <i>wasps</i> ) +

		one
/U/	[ʊ]	BULL + tooth
/I/	[i]	SHEEP (except geese, grease wheel) + bear. [[ holly, in quarry ]]
/E/	[e]	bacon, drain, gate, potatoes, spade, waistcoat, weigh
	[ɛi]	break, clay, lay, tail
/E:/	[θ]	first, heard, third
/E/	[ɛθ]	chair, hare, pears
/A:/	[ɑ]	calf, farmer, farthing
	[ɑθ]	arm
	[aθ]	draught
/ɔ/	[ɔ]	STRAW + four
/O/	[o]	FOAL (except comb), [[ furrow, yellow ]]
/U/	[u]	GOOSE (except ewe, goose, root, tooth) + comb
	[uθ]	goose, root
/Ai/	[ai]	WHITE, FIRE
/O:/	[ɔi]	OIL
/Au/	[ɑu]	COW; HOUR + ewe
/IΛ/	[iθ]	ears, year + geese, grease, wheel
/OΛ/	[oθ]	boar

/D/ is lacking in *second*

/N/ appears medially in *finger, uncle* finally in -ING words except *nothing*

/L/ is clear except in *saddle, wool*

/V/ appears finally in *calf*; /S/ medially in *thousand, Tuesday*; /Zh/ appears finally in *porridge*; /HW/ appears initially in *weasel, weeds, whip, white*

/R/ appears medially in *forks, heard, work*, and finally in *boar, butter, flour, four, hare, hour, ladder, mare, sugar*; also medially in *saw-dust*. It is rolled or flapped in *rabbits, road, root, wrong; branch, break, bridge, buried, draught, forks, furrow, grass, grease, heard, saw-dust, squirrel, straw, trough, work; boar, butter, flour, four, hare, hour, mare, sugar*

/Y/ is lacking in *year, yeast*.

P 9 TREGYNON

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE, [[ flour, ladder ]]
/A/	[a]	APPLES + branch, grass
/Λ/	[ʌ]	SUCK (except one) + trough
	[θ]	[[ -ER words; apples, fire,

		furrow (+ /O/), hear, hour, iron, potatoes (final syllable), squirrel, thimble, uncle, weasel ]]
/O/	[ɔ]	DOG (except trough) + one
/U/	[ʊ]	BULL
/I/	[i]	SHEEP (except wheel) + bear
/E/	[ɛ]	break, clay, lay, spade, tail, take
	[e]	bacon, drain, gate, potatoes, waistcoat, weigh
/E:/	[θ]	WORK
/E/	[ɛθ]	MARE
/A/	[ɑ]	calf, farmer, farthing + sheaf
	[ɑθ]	arm
	[aθ]	chaff, draught
/ɔ:/	[ɔ:]	STRAW (except straw)
/O/	[o]	FOAL, [[ furrow (+/Λ/), waistcoat, yellow ]]
/U/	[u]	GOOSE (except goose, stool) [[ furrow (+/Λ/), /O/ ]]
	[uθ]	goose, stool
/Ai/	[ai]	WHITE, FIRE
/Oi/	[ɔi]	OIL
/Au/	[ɑu]	COW (except cow), HOUR, cow
/IΛ/	[iθ]	ears, year + wheel
/OΛ/	[ɔθ]	door + straw
	[oθ]	boar, four

/D/ is lacking in *Tuesday*

/N/ appears medially in *finger, uncle*, and finally in -ING words

/L/ is lacking in *old*. It is always clear except in *wool*

/V/ appears finally in *calf, sheaf*; /Th/ finally in *with*; /Sh/ initially in *jump*; /Zh/ finally in *porridge*; /HW/ initially in *weasel*

/R/ appears medially in *farmer, fork*, finally in *flour, hour, ladder*. It is rolled or flapped in *rat; bridge, forks, grease; flour*

/Y/ is lacking in *year, yeast*

P 10 FORDEN

/I/	[i]	BRIDGE + sheep (+/I/)
/E/	[ɛ]	KETTLE + apples
/A/	[a]	hand, lamb, man, rabbits, saddle, thatch + calf
	[æ]	ladder, rat
/Λ/	[ʌ]	SUCK (except one, onions) + trough, bull, butcher,

	[θ]	[[ thousand ]]			
		conions, [[ ER words <i>hear</i>	/O/	[ɔ]	<i>squirrel, thousand, weasel</i> ]]
ˈO	[ɔ]	<i>hour, squirrel, weasel</i> ]]			<b>DOG</b> (except <i>quarry, trough</i> ),
		<i>fox, holly, porridge, quarry,</i>			<i>none, one, sheaf (+/U/, /Λ/,</i>
ˈU	[u]	<i>wash, wasps, wrong + one</i>	/U/	[u]	<i>/O /),</i> [[ <i>bacon</i> ]]
ˈI	[i]	<i>put, sugar, woman + hoof, tooth</i>			<b>BULL</b> + <i>trough, sheaf (+/Λ/,</i>
		<b>SHEEP</b> (except <i>pea, sheaf</i> )	/I/	[i]	<i>/O', /O /)</i>
		+ <i>hear, [[ holly, ivy ]]</i>			<b>SHEEP</b> (except <i>sheaf, weeds</i>
ˈE	[eɪ]	<i>break, gate, lay, spade, tail,</i>	/E/	[eɪ]	<i>wheel</i> ) + <i>hear, [[ holly, ivy' ]]</i>
		<i>take, weigh</i>	/E/	[æ]	<b>GATE</b>
		<i>bacon, clay, drain, waistcoat</i>	/E/	[æ]	<b>WORK</b>
ˈE	[e]	<i>first, heard, third</i>	/E/	[eθ]	<b>MARE</b>
		<b>work</b>	/A/	[ɑ:]	<i>calf, farmer, farthing, grass</i>
ˈE/	[ε]	<b>MARE</b>		[oθ]	<i>arm</i>
ˈA	[ɑ]	<b>ARM</b> (except <i>branch, calf</i> )		[aθ]	<i>draught</i>
		<i>that, flour</i>	/ɔ:/	[ɔ:]	<b>STRAW</b> (except <i>straw</i> )
ˈɔ/	[ɔ]	<b>STRAW</b> (except <i>slaughter</i> ) +	/O:/	[o:]	<b>FOAL</b> + <i>sheaf (+/Λ/, /O/, /U/);</i>
		<i>cross, dog, off, boar</i>			<i>[[ furrow, potatoes, waistcoat,</i>
ˈO	[o]	<b>FOAL</b> (except <i>comb, spokes</i> ) +	/U:/	[u:]	<i>yellow ]]</i>
		<i>sheaf, [[ furrow, waistcoat,</i>		[uθ]	<b>GOOSE</b> (except <i>stool</i> )
		<i>yellow ]]</i>			<i>stool</i>
ˈU	[u]	<b>GOOSE</b> (except <i>hoot, stool,</i>	/Ai/	[ai]	<b>WHITE: FIRE</b>
		<i>tooth</i> ) + <i>wool, comb</i>	/Oi/	[ɔi]	<i>boiling, voice</i>
	[uθ]	<i>stool</i>		[oi]	<i>oil</i>
	[u]	<i>foot</i>	/Au/	[au]	<b>COW</b> (except <i>thousand</i> ) + <i>flour</i>
ˈAi	[ai]	<b>WHITE, iron</b>		[ɑu]	<i>thousand + hour</i>
ˈOi/	[ɔi]	<b>OIL</b>	/IΛ/	[iθ]	<i>ears, year - weeds, wheel</i>
ˈAu/	[ɑu]	<b>COW</b> + <i>hour</i>	/OΛ/	[ɔθ]	<i>door, four + straw</i>
ˈIΛ/	[iθ]	<i>ears, year + pea</i>		[oθ]	<i>boar</i>
ˈOΛ/	[ɔθ]	<i>door</i>			
	[oθ]	<i>four; spokes</i>			

/T/ is lacking in *first, yeast* It is dental in *colt, foot* /D/ is lacking in *second*

/N/ appears medially in *finger, uncle*, and finally in *-ING* words

/L/ is always clear

Th appears finally in *with*, /S/ medially in *Tuesday* /HW/ appears initially in *white*

/R/ is rolled or flapped in *rabbits, bridge*.

/T/ is lacking in *rabbits*

/N/ appears medially in *finger, uncle*; and finally in *boiling*.

/L/ is always clear

/V/ appears finally in *calf*, /S/ finally in *cheese* (+/Z/), /HW/ appears initially in *weasel*

/R/ appears finally in *mare*.

/Y/ is lacking in *yeast*.

### P 11 LLANDINAM

/I/	[i]	<b>BRIDGE</b> + <i>kettle</i> (+/E/)
/E/	[ε]	<b>KETTLE</b> , [[ <i>fire, saddle</i>
		<i>(+ /Λ/), suet ]]</i>
/A/	[a]	<b>APPLES</b> + <i>branch, chaff</i>
/Λ/	[Λ]	<b>SUCK</b> (except <i>none, one</i> )
		+ <i>saddle</i> (+/A/)
	[θ]	<i>sheaf</i> (+/O/, /U/, /O /); [[-ER
		words + <i>flour, hear, hour,</i>
		<i>iron, kettle, saddle</i> (+/E/),

### P 12 KERRY

/I/	[i]	<b>BRIDGE</b> ; [[ <i>squirrel</i> ]]
/E/	[ε]	<b>KETTLE</b> , [[ <i>fire, flour, sugar</i> ]]
/A/	[a]	<b>APPLES</b> + <i>branch, chaff, grass,</i>
		<i>[[ shoulder ]]</i>
/Λ/	[Λ]	<b>SUCK</b> (except <i>jump, one</i> ) +
		<i>trough</i>
	[θ]	[[ <i>apples; -ER words, hour,</i>
		<i>saddle, thimble, uncle,</i>
		<i>weasel ]]</i>
/O/	[ɔ]	<b>DOG</b> (except <i>trough</i> ) + <i>one</i>



/I/	[i]	RICE + wash
/I/	[i]	SHEEP (except sheep or hair) + hair    hair
/E/	[e]	GATE (except gateway) gate potatoes
/Ø/	[Ø]	WYRE
/E/	[e]	MARE
/A/	[a]	call farmer farthing arm draught
	[ɔ]	STRAW (except forke straw) + fear
/O/	[o]	FOAL (except cold) + sheep    farrow, potatoes, waistcoat yellow
	[ou]	cold
/U/	[u]	GOOSE (except goose, tooth) goose
/A/	[a]	WHITE FIRE
/O/	[ɔ]	OIL
/AU/	[au]	COW (except thousand) + flour thousand + hour
/IA/	[iə]	ears year + wheel
/OA/	[ɔə]	forke, straw, hour

/I/ is lacking in yeast. /G/ is lacking in finger

/N/ appears medially in uncle, finally in farthing morning nothing shilling It is lacking in second

/L/ is clear except in foal, and is lacking in shoulder

/V/ appears finally in call, /S/ medially in Tuesday weasel /HW/ initially in weasel whip

/R/ appears finally in mare It is rolled in rabbits

/W/ is lacking in wasps

**P 13 CHURCHSTOKE**

/I/	[i]	BRIDGE,    apples
/E/	[e]	KETTLE,    hour
/A/	[a]	APPLES (except thatch) + wasps (+/O/), branch, calf, chaff, grass
/A/	[A]	SUCK (except one) + trough (+/O/);    waistcoat
	[Ø]	-ER words, fire, flour, iron, kettle, potatoes (final syllable), saddle, squirrel, thimble, uncle, weasel
/O/	[ɔ]	DOG (except wash) + one
/U/	[u]	BULL + tooth

/I/	[i]	SHEEP (except sheep or hair) sheep
/E/	[e]	GATE
/E/	[e]	WYRE (except wire) wire
/E/	[e]	MARE
/A/	[a]	call farmer farthing arm draught, hour
/O/	[ɔ]	STRAW (except forke walk) step
/O/	[o]	FOAL (except cold) + sheep sprakes, year       farrow, yellow
/U/	[u]	GOOSE (except dew) + wool hair    + comb
	[uə]	year
/AU/	[au]	dew
/A/	[a]	WHITE FIRE
/O/	[ɔ]	boiling oil oil
/AU/	[au]	COW, HOUR
/IA/	[iə]	ears year
/OA/	[ɔə]	BOAR forke walk

/I/ is lacking in rabbits first /D/ is lacking in cold, second /G/ is lacking in finger

/N/ appears medially in uncle, finally in farthing morning, nothing, shilling

L' is always clear

/E/ appears finally in twelve /V/ finally in call, /zh/ finally in bridge /HW/ initially in weeds whip, white

/Y/ is lacking in year dew, Tuesday

**P 14 LLANGURIG**

/I/	[i]	BRIDGE
/E/	[e]	KETTLE (except yellow) + bacon,    hour
/A/	[a]	apples, hand, man, that thatch + branch, chaff, draught grass
	[x]	ladder, lamb, rabbits, rat saddle
	[ɑ]	arm, farmer
/A/	[A]	SUCK (except one) + yellow    -ER words, hair, iron squirrel
/O/	[ɔ]	DOG + one
/U/	[u]	BULL (except sugar) + tooth
/I/	[i]	SHEEP + hair,    -Y words
/E/	[e]	GATE (exc. bacon, lay, spade)

	[ɛ]	EAR
W	[ɔ]	WORK
F	[e]	MARE + spade
A	[ə]	call farthing
S	[ɔ]	STRAW (except straw) + four
O	[o]	FOAL (except foal, shoulder toad)    furrow, potatoes (final syllable) waistcoat, yellow
U	[u]	GOOSE (except dew, stool tooth) + sugar
	[uθ]	stool
Iu	[iu]	dew
Ai	[ai]	WHITE, FIRE
O	[ɔ]	boiling
Au	[əu]	COW, hour
	[au]	thousand (-[əu])
Iə	[iə]	ears, year
OA	[oə]	boar, door + foal, shoulder, toad
	[ɔθ]	straw

D is dental in *cold*

N appears medially in *finger, uncle*, and finally in *farthing, morning, shilling*

L is clear except in *oil*

S appears medially in *thousand*, /ʃ/ medially in *butcher* /HW appears initially in *wheel, whip*

W is lacking in *woman* (= form with W), Y is lacking in *dew*

R appears in *arm, farmer* (medial), *first, forks, work, four*, in which it is rolled or flapped, as also in *rat, road, root, break, bridge, buried, cross, furrow, grease, straw*.

### P 15 RHAYADER

/I/	[i]	BRIDGE + sheep (-/I:/)
/E/	[ɛ]	KETTLE + waistcoat,    suet
/A/	[a]	APPLES (except man) + branch, chaff, draught
	[ə]	dog, quarry
/ʌ/	[ʌ]	SUCK
	[θ]	-ER words (except farmer, finger, shoulder) + fire, flour, hour, iron, morning, potatoes (final syllable), squirrel
	[θ <sup>T</sup> ]	farmer, finger, hear, shoulder
/O/	[ɔ]	cross, fox, wash
	[D]	holly, porridge, wasps + slaughter
/U/	[u]	BULL + tooth

I	[i]	SHEEP + hear,    buried
E	[ɛ]	bacon, break, gate, potatoes, spade,    Tuesday
	[e]	clay, lay, tail, take, weigh
Œ	[œ]	WORK (except work) + year
	[θ <sup>T</sup> ]	work
E	[ɛ]	chair, hare
	[eθ]	pears
	[eθ]	calf
	[eθ <sup>T</sup> ]	mare
A	[a]	arm, farmer, farthing, grass + man
ɔ	[ɔ]	forks, saw-dust, straw, walk + off, four
	[ɔ <sup>T</sup> ]	morning
IO	[o]	FOAL (except comb, road, snow),    furrow
	[ou]	road, snow + trough,    yellow
IU	[u]	GOOSE (except dew, ewe, tooth) + comb
/Iu/	[iu]	dew
/Ai/	[ai]	WHITE, FIRE
/Oi/	[ɔi]	OIL
/Au/	[əu]	COW, HOUR + ewe
/Iə/	[iə]	ears
/Oə/	[oə]	boar, door;    waistcoat

/T/ is realised as [v:] in *butter*.

/N/ appears finally in -ING words, /ŋ/ finally in *bacon*

/L/ is clear in *colt, twelve, squirrel, wheel*. It is dark in *boiling*.

/F/ is lacking finally in *trough*; /V/ appears finally in *calf*

/R/ is rolled in *root*

/Y/ is lacking in *yeast, dew*.

### P 16 LLANBISTER

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE (except buried) + waistcoat
/A/	[æ]	ladder, lamb, man, saddle, that + wasps, branch
	[a]	hand, rabbits, rat, thatch + trough, chaff, draught
/ʌ/	[ʌ]	SUCK;    waistcoat
	[θ]	finger, fire, flour, hour, iron, shoulder, slaughter
	[θ <sup>T</sup> ]	butcher, butter, farmer,

		ladder
ɔ	[ɔ]	cross, holly, partridge, quarry, slaughter, cold, cold
	[ɔ]	dog, fox, wash, saw, dust, folk
ɪ	[ɪ]	BULL - head
ɪ	[ɪ]	SHEEP (except yeast)
	[i]	was
ɪ	[e]	GATE (except clay, drain, gate, potatoes, waistcoat) + apples
	[ei]	clay, drain, gate
ɛ	[e]	first, third + ears
	[θ <sup>T</sup> ]	heard, work + hear, year
	[e]	MARE except chair
	[eθ]	chair
A	[a]	arm, grass
	[a <sup>T</sup> ]	farmer, farthing
	[ɑ <sup>T</sup> ]	calf
ɔ	[ɔ]	straw, walk + old, four
	[ɔ <sup>T</sup> ]	morning + off
O	[o]	comb, oak, road, spikes
	[ ]	furrow, yellow
	[ou]	shoulder, snow
U	[u]	GOOSE (except dew, hoof)
u	[iu]	dew
Ai	[θi]	WHITE, FIRE
Oi	[ɔi]	OIL
Au	[θu]	COW, HOUR
OA	[oθ]	boar, door + coal, foul, toad
	[ɔθ]	forks

N appears finally in *farthing, morning, nothing, shilling*

L is clear in *shoulder, saddle, wheel, wool*

V appears finally in *calf*. /HW/ appears initially in *whip*

/W/ is lacking in *woman*. /Y/ appears initially in *ears*, and is lacking in *yeast, dew*

R is rolled in *root*

### P 17 KNUCKLAS

/I	[i]	BRIDGE
/E/	[e]	KETTLE
/A	[æ]	APPLES - chaff, calf, farmer
/A/	[ʌ]	SUCK (except onions),    butter (+[θ <sup>T</sup> ]), potatoes (first syll.)
	[θ <sup>T</sup> ]	-ER words, fire, flour, hear, hour, sugar
'O	[ɔ]	DOG (except trough, wasps)
'U	[u]	BULL - tooth
'I	[i]	SHEEP + hear,    holly, ivy, quarry

'E/	[e]	GATE    potatoes
'T	[θ <sup>T</sup> ]	WORK    onions
'O/	[eθ <sup>T</sup> ]	MARE
'A/	[a <sup>T</sup> ]	arm, branch, farthing, grass
	[a <sup>T</sup> ]	draught
'I/	[i <sup>T</sup> ]	STRAW (except walk) + dew, four
'O/	[ou]	FUAL + trough
'U/	[u]	GOOSE (except tooth)
'Ai/	[ai]	WHITE FIRE + onion
'Oi	[ɔi]	OIL
'Au	[θu]	COW, HOUR
'IA	[iθ <sup>T</sup> ]	ears, year
'OA	[ɔθ <sup>T</sup> ]	bar

/N/ appears finally in *butling, morning, nothing*

L' is clear in *kettle, saddle*, dark in *holly, yellow*

F is lacking in *trough*. /V/ appears finally in *calf*. /SY-/ appears initially in *sugar* and /S/ medially in *weasel*

/R/ is rolled in *wrong, branch*

'Y/ is lacking in *yeast*

### P 18 STANAGE

I.	[i]	BRIDGE
'E/	[e]	KETTLE
/A/	[a]	APPLES - furrow, branch, chaff
ʌ/	[ʌ]	SUCK (except furrow, nothing) + butcher, put (+ U)
	[θ <sup>T</sup> ]	ER words (except slaughter) + fire, flour, hear, hour, iron, sugar
	[θ]	onions, second, slaughter, woman
/O/	[ɔ]	DOG (except cross, off, trough, wrong)
/U/	[u]	BULL (except butcher) + tooth,    with /UD/
/I./	[i]	SHEEP (except grease, sheaf, wheel) + hear,    holly, ivy, quarry, Tuesday
/E./	[ei]	GATE (except gate, spade, weigh)
	[ei]	spade, weigh
	[e]	gate
/E/	[θ <sup>T</sup> ]	WORK
'E/	[eθ <sup>T</sup> ]	MARE
'A/	[a <sup>T</sup> ]	arm, calf, farmer, farthing, grass

	[ɔʔ]	STRAW (except forks)
		crack, off, for
		iron, iron, iron, iron, iron
		iron, spade + trough, sheaf
		[  furrow  ]
	[ɔ]	cow, load, with    penance
		iron, iron, iron, iron, iron
	[ɔʔ]	iron
	[u]	GOOSE (except dew, gear)
		iron
A:	[aɪ]	WHITE (except fight), FIRE
O:	[ɔɪ]	voice
Au:	[aʊ]	COW HOUR + old
IA:	[+ɔʔ]	ears, rear
	[iθ]	wheel
OA:	[ɔθ]	hear
	[ɔθʔ]	div + forks

Ch appears initially in Tuesday

N appears finally in farthing, morning  
shrimp

L is clear in kettle, dark in yellow

F is lacking in trough. A occurs finally  
in calf. D occurs medially in furrow  
FADO. HW appears initially in wheel

W is lacking in with (+ form with .W.)  
Y is lacking in yeast Tuesday

**P 19 LLANAFAN FAWR**

I:	[i]	BRIDGE + weeds (+ I.)
E:	[e]	KETTLE + sheaf (+ I.)
		[  finger (+ A.)  ]
A:	[a]	APPLES + furrow (+ A.)
		branch, calf (+ A.), chaff
		draught, grass (+ A.)
		[  woman  ]
ə:	[ʌ]	SUCK (except furrow)
	[θ]	furrow (+ A.), [  finger (+ E.),
		fire, flour, heat, hour, iron,
		squirrel, weasel  ]
/O/:	[ɔ]	DOG + onions (+ A.), forks
		(+ɔʔ). [  onions  ]
/U/:	[u]	BULL + tooth
/I/:	[i]	SHEEP + hear, [  NY
		quarry  ]
E:	[e]	basin, drain, spade (+[e]), take,
		waistcoat [  Tuesday  ]
	[eɪ]	break, clay, lat., spade (+[e])
		tail, weigh
O:	[θ]	WORK
	[ɔ]	ears (+ A.)
/E/:	[eθ]	MARK

/A/:	[a]	mare (+[eθ]) + gate
	[e]	penance
A:	[ə]	arm, calf (+ A.), farmer
		farthing, grass (+ A.)
/ɔ/:	[ɔ]	STRAW
O/:	[θ]	FOAL (except foal, snow),
		trough, [  furrow, waistcoat  ]
	[aʊ]	foal, snow + sow n
U/:	[u]	GOOSE (except dew, tooth),
		sugar (+U/),
		dew
Iu:	[iʊ]	WHITE (except fight), FIRE
Ai:	[aɪ]	fight
	[θɪ]	fight
Au:	[aʊ]	COW (except sow n), HOUR
IA:	[iθ]	ears (+[e]), year
OA:	[ɔθ]	hour, four
	[əθ]	door + coal (+O/)

N appears finally in -ING words

Medial .L in apples is clear, final L is  
clear (bull has also dark [ɫ]). .L is realised as  
long [l:] in holly

F is lacking in trough (+ forms with final  
F), and final /V/) /V/ appears initially in  
furrow (+/F/), finally in sheaf (+/F/). /HW/

appears initially in whip, white  
W, appears initially in oak (+ form with  
initial vowel) but is lacking in woman (+ form  
with .W.), wool (+Y) appears initially in ears  
(+ form with initial vowel), but is lacking in  
dew

.R, appears finally in butcher, finger (+  
form ending in vowel), fire, sugar and forks  
(each + form ending in vowel), and is rolled in  
root (+ fricative /R/), wrong

**P 20 NEW RADNOR**

/I/:	[i]	BRIDGE + geese, sheep (+/I/)
/E/:	[e]	KETTLE
/A/:	[æ]	apples, ladder, lamb, rabbits,
		rat, thatch + wasps, draught,
		grass
	[a]	hand, saddle, that
/A/:	[ʌ]	SUCK + tooth, [  onions,
		potatoes (final syllable),
		waistcoat, with /AD/ (+/U/)]
	[θʔ]	[  -ER words, fire, flour, hour,
		sugar  ]
/O/:	[ɔ]	dog, fox, wash
	[D]	holly, porridge, quarry
/U/:	[u]	BULL + sheaf, goose, hoof, root,
		[  with /UD/ (+/A/)]  ]

/I/	[ɪ]	SHEEP (except <i>geese, sheaf</i> ), [[ <i>holly ivy, quarry, Tuesday</i> ]]			
E	[eɪ]	<i>bacon, drain, gate, lay</i> (+[æi]), <i>potatoes, take</i>			
	[ɛɪ]	<i>break, clay, spade, weigh</i>			
	[æɪ]	<i>lay</i> (+[eɪ]), <i>tail</i>			
œ	[θ̥]	WORK + <i>hear</i>			
	[œ]	<i>ears</i>			
	[œ̥]	<i>year</i>			
/E/	[eθ]	<i>pears</i>	/O/	[ɔ]	<i>dog, fox, holly + morning</i> <i>saw-dust</i>
	[eθ]	<i>hare</i>		[D]	<i>cross, wrong</i>
	[eœ]	<i>mare</i>	/U/	[U]	BULL + <i>tooth</i>
	[eθ̥]	<i>chair</i>	/I/	[i]	SHEEP (except <i>sheaf</i> ), [[ -Y words ]]
/A/	[æ̥]	<i>branch, calf, chaff + man</i>	/E./	[e]	<i>bacon, gate, potatoes, spade</i>
	[ḁ]	<i>arm, farmer</i>		[eɪ]	<i>clay, drain, lay, take</i>
	[a]	<i>waistcoat</i>		[ɛɪ]	<i>tail, weigh</i> , [[ <i>Tuesday</i> ]]
/ɔ/	[ɔ̥]	<i>forks, morning, saw-dust, straw</i> - <i>four</i>	/œ./	[œ]	<i>first</i> (+[A/]) - <i>ears</i> (+[A/]), <i>hear</i> (+[A/])
	[ɔ]	<i>slaughter, walk + off</i>		[θ]	<i>heard, work</i> (+ [A/]) - <i>year</i>
/O/	[ou]	<i>toal, oak, road, shoulder,</i> <i>spokes, toad, yolk + trough</i>	/E./	[E̥]	MARE (except <i>mare</i> )
	[o̥]	<i>coal, cold</i> (+[Au/])		[eθ]	<i>mare</i>
/U/	[u̥]	<i>dew, stool, suet, Tuesday, two</i> + <i>comb</i> , [[ <i>furrow</i> ]]		[eœ]	<i>hare</i> (+[E/])
Ai/	[θi]	WHITE (exc. <i>flies, ivy</i> ); FIRE	/A/	[a]	ARM (except <i>branch, draught</i> <i>farthing, grass</i> )
	[ai]	<i>flies, ivy</i>	/ɔ:/	[ɔ̥]	STRAW (except <i>morning, saw-</i> <i>dust</i> ) + <i>off, four</i>
/Oi/	[ɔi]	OIL	/O./	[o̥]	FOAL (except <i>comb, road,</i> <i>spokes</i> ) + <i>trough</i> , [[ <i>furrow,</i> <i>potatoes, yellow</i> ]]
/Au/	[θu]	COW (except <i>thousand</i> ) + <i>hour</i>		[ou]	<i>spokes</i>
	[au]	<i>thousand + flour, cold</i> (+[O/]), <i>colt, old, snow; ewe</i>		[ɔu]	<i>road + sow n</i> (+[Au/])
/OA/	[oθ̥]	<i>boar</i>	/U:/	[u̥]	GOOSE (except <i>suet, tooth</i> ) - <i>comb</i>
	[ouθ̥]	<i>door</i>	/Ai/	[ai]	<i>eye, fight, mice + fire</i>
				[θi]	<i>flies n pl., ivy, white + iron,</i> <i>boiling</i>
			/Oi/	[ɔi]	<i>oil</i>
				[oi]	<i>voice</i>
			/Au/	[θu]	<i>cow, plough, snout</i> (+[au]), <i>sow</i> <i>n.</i> (+ [au]), /O:/) + <i>hour</i>
				[au]	<i>snout</i> (+[θu]), <i>sow n.</i> (+ [θu] /O./) + <i>flour</i>
				[œu]	<i>thousand</i>
			/IΛ/	[iθ]	<i>ears</i> (+[œ/]) + <i>sheat</i>
			/OΛ/	[oθ]	<i>boar, door</i>

/D/ is lacking in *second*.

/N/ appears finally in *boiling, morning,*  
*nothing, shilling*

/L/ is lacking in *colt*. It is clear in *cold,*  
*shoulder, twelve; squirrel, thimble, wheel,*  
*wool*

/F/ is lacking in *trough*. /V/ appears  
initially in *furrow* and finally in *calf*. /HW/ appears  
initially in *whip*.

/W/ is lacking in *woman, with, wool*. /Y/ appears  
in *hear* but is lacking in *yeast*.

## P 21 LLANWRTYD

/I/	[i]	BRIDGE + <i>yellow</i>
/E/	[ɛ]	KETTLE (except <i>yellow</i> )
/A/	[a]	APPLES + <i>uncle, quarry, wasps;</i> <i>branch, draught, grass</i>
/Λ/	[Λ]	SUCK (except <i>jump, uncle</i> ); + <i>hear</i> (+[œ/], <i>work</i> (+[œ/]),

/P/ is realised as [p:] in *apples*; /M/ as  
[m:] in *woman* (+[m]); /Th/ as [θ:] in *nothing*

/T, D/ are dental in *foot, snout, yeast,*  
*buried*. /D/ is lacking in *second*.

/N/ appears finally in *boiling, morning,*  
*nothing*

/L/ is always clear

/F/ is lacking in *trough*; /HW/ appears

initially in *whip*

/R/ appears medially in *arm, farmer, first work* (all - forms without medial /R/), *morning, third*, and finally in *butcher, butter, door, finger, hare, ladder, mare, shoulder*. It is rolled or flapped except in *grass*.

/Y/ appears initially in *ears* (- form with initial vowel), *hear*, but is lacking in *yeast*.

## P 22 PAINSCASTLE

L	[ɪ]	BRIDGE
E	[ɛ]	KETTLE - <i>man, waistcoat</i> , [[ <i>suet</i> ]]
A	[a]	APPLES (except <i>man</i> ) + <i>branch, furrow, quarry</i>
ʌ	[ʌ]	SUCK (except <i>furrow, none, one</i> ) + <i>put, woman</i>
	[ɒ]	[[ <i>bacon, -ER words, fire, flour, hour, iron, potatoes</i> (initial and final syllables), <i>squirrel, sugar, weasel</i> ]]
O	[ɔ]	DOG (except <i>off, quarry</i> ) + <i>none, one</i>
ʊ	[ʊ]	BULL (except <i>put, woman</i> ) + <i>goose, hoof, tooth</i>
ʃ	[i:]	SHEEP; [[ <i>holly, ivy, quarry</i> ]]
E	[ei]	GATE except <i>waistcoat</i>
	[ɛi]	<i>chair</i>
ʔ	[œ]	WORK
ɛ	[eθ]	MARE (except <i>chair</i> )
A	[ɑ]	ARM (except <i>branch</i> )
ɔ	[ɔ]	STRAW - <i>door, four</i>
O	[ou]	<i>coal, cold, foal, oak, old, road, shoulder</i>
	[o]	<i>colt, comb, snow, spokes, yolk</i> + <i>trough</i> (+/O/), [[ <i>furrow, yellow</i> ]]
	[ɔu]	[[ <i>waistcoat</i> ]]
/U/	[u:]	GOOSE (except <i>goose, hoof, tooth</i> ).
/Ai/	[ai]	WHITE - <i>fire</i>
/Oi/	[ɔi]	OIL
/Au/	[ɑu]	COW (except <i>sow n.</i> ); HOUR [ <i>snout</i> (+[ɑu]), <i>sow n</i> ]
/Iʌ/	[iθ]	EARS
/Oʌ/	[ɔθ]	off

/D/ is lacking in *second*

/N/ appears medially in *finger, uncle* /N/ appears finally in -ING words

/L/ is always clear.

/F/ is lacking in *trough* /V/ appears initially in *furrow*, finally in *calf*

W/ appears initially in *hoof*

/R/ appears medially in *iron*

## P 23 UPPER CHAPEL

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE. [[ <i>squirrel</i> ]]
/A/	[a]	APPLES (except <i>man, rabbits</i> ) + <i>branch, chaff, draught, grass, man</i>
/ʌ/	[ʌ]	SUCK (except <i>onions</i> )
	[θ]	<i>onions</i> ; [[ -ER words; <i>fire, flour, hour, suet</i> ]]
/O/	[ɔ]	DOG (except <i>trough</i> )
/U/	[ʊ]	BULL + <i>tooth</i>
/I:/	[i:]	SHEEP; [[ <i>holly, ivy, quarry</i> ]]
/E:/	[e:]	<i>bacon, break, potatoes, spade, take, waistcoat</i>
	[ei]	<i>clay, drain, gate, lay, weigh</i>
	[ɛi]	<i>tail</i>
/E:/	[œ:]	WORK; EARS
/E-/	[ɛ-]	MARE (except <i>mare</i> )
	[eθ]	<i>mare</i>
/A:/	[ɑ:]	<i>arm, calf, farmer + rabbits, farthing</i>
/ɔ:/	[ɔ:]	STRAW + <i>door</i>
/O:/	[o:]	FOAL (except <i>cold, colt, comb, shoulder, snow</i> ) + <i>boar, four, furrow, potatoes</i> (final syllable), <i>waistcoat, yellow</i> ]]
	[ou]	<i>cold, colt, shoulder, snow - trough</i>
/U:/	[u:]	<i>goose, hoof, root, stool + comb</i>
/Iu/	[iu]	<i>dew, ewe, suet, Tuesday</i>
/Ai/	[θi]	WHITE; FIRE
/Oi/	[ɔi]	OIL
/Au/	[θu]	COW + <i>hour</i>
	[au]	<i>flour</i>

/D/ is lacking in *second*.

/N/ appears finally in *farthing, morning, shilling*.

/L/ is always clear.

/F/ is lacking in *trough*. /V/ appears initially in *furrow*, finally in *calf*

/R/ is rolled or flapped initially except in *wrong*, medially in *furrow, grass, porridge, quarry, squirrel*.

y appears initially in *ears, hear* but is lacking in *ewe, yeast, dew, Tuesday*

**P 24 TRECASTLE**

i/	[ɪ]	BRIDGE
E/	[ɛ]	KETTLE.    <i>squirrel</i>
A/	[a]	APPLES + wasps (+/D/), branch, chaff, grass
A/	[ʌ]	SUCK (except onions).    <i>hour</i>
	[θ]	onions.    -ER words (except finger) + fire, flour, suet
	[æ]	<i>finger</i>
O/	[ɔ]	DOG
U/	[ʊ]	BULL + tooth
I/	[i]	SHEEP.    -Y words
E/	[e]	bacon, break, gate, potatoes, spade, take, waistcoat
	[ei]	tail, weigh
	[ɛi]	clay, drain, lay
Æ/	[æ]	WORK + ears, hear
	[θ]	year
E/	[ɛ]	MARE
A/	[a]	arm, calf, draught, farmer
	[ɑ]	farthing
ɔ/	[ɔ]	STRAW
O/	[o]	FOAL (except cold, comb, shoulder, snow), BOAR,    <i>furrow, potatoes (final syll), waistcoat, yellow</i>
	[ou]	<i>cold, shoulder</i>
	[ɔu]	<i>snow</i>
U/	[u]	GOOSE (except dew, ewe, suet, Tuesday) + comb
Iu/	[iu]	<i>dew, ewe, suet, Tuesday</i>
Ai/	[θi]	WHITE, FIRE
Au/	[θu]	COW + hour
	[au]	flour

/B/ is realised as [b] in *rabbits*, /T/ as [t] in *butter*; /D/ as [d] in *ladder*; /L/ as [l] in *holly*

/N/ appears finally in *shilling*

/L/ is always clear.

/F/ is lacking in *trough*

/R/ appears finally in *boar* It is always rolled or flapped

/W/ is lacking in *wool* /Y/ appears initially in *ears* and in *hear*, but is lacking in *ewe, yeast, dew, Tuesday*

**P 25 TALGARTH**

i/	[ɪ]	BRIDGE
E/	[ɛ]	KETTLE
A/	[a]	APPLES + branch calf chaff draught grass
A/	[ʌ]	SUCK (except mubing)    <i>buscher butter ladder onions second, shoulder, sugar</i>
	[θ]	<i>farmer, finger fire, flour, squirrel</i>
	[θ <sup>T</sup> ]	<i>hour, slaughter</i>
O/	[ɔ]	DOG (except off trough)
U/	[ʊ]	BULL + comb, hoof, tooth
	[ʏ]	nothing
I/	[i]	SHEEP.    -Y words Tuesday
E/	[e]	GATE (except gate, break, waistcoat)
	[ɛ]	gate, break, waistcoat
Æ/	[æ]	WORK + hear, year
E/	[ɛ]	MARE
A/	[a]	arm, farmer, farthing
ɔ/	[ɔ]	STRAW + off, hour, door
	[ɔ <sup>T</sup> ]	hour
O/	[o]	FOAL (except colt, comb, old snow, spokes),    <i>turnrow, yellow</i>
	[ou]	colt
	[ɔu]	old, snow, spokes + trough
U/	[u]	GOOSE (except dew, hoof, tooth, two),
	[Uu]	two
Iu/	[iu]	dew
Ai/	[ai]	WHITE (except mice + tire)
	[θi]	mice + iron
Au/	[θu]	COW (except sow n)
	[au]	sow n., HOUR
IA/	[iθ]	ears

/D/ is dental in *cold*

/N/ appears finally in *boiling, shilling*

/L/ is clear except in *twelve, kettle*

/F/ is lacking in *trough*

/Y/ appears in *hear, heard* but is lacking in *yeast*

**P 26 TALYBONT-ON-USK**

I/	[ɪ]	BRIDGE
E/	[ɛ]	KETTLE
A/	[a]	APPLES + wasps, branch.

ʌ	[ʌ]	chaff grass	hear: hour, iron, suet
	[ɒ]	SUCK (except onions)	sugar
		onions.    -ER words, fire,	
		flour, hour, iron, potatoes (final	
		syllable), squirrel	
ʊ	[ɔ]	DOG (except wasps)	
U:	[u]	BULL + tooth	
I:	[i]	SHEEP.    -Y words	
/E/	[e:]	bacon, break, gate, potatoes,	
		spade, take, waistcoat	
		clay, drain, lay, tail, weigh	
/E:/	[ei]	WORK + ears, hear	
	[eə]	year	
E/	[e]	MARE	
A	[a:]	arm, calf, draught, farmer	
	[ɑ]	farthing	
ɔ/	[ɔ]	STRAW	
O:	[o:]	FOAL (except cold, colt, old,	
		shoulder, snow); BOAR,	
		furrow, waistcoat, yellow	
	[ou]	cold, colt, old, shoulder, snow	
		+ trough (+/O:)	
U:	[u:]	GOOSE (except dew, ewe, suet,	
		tooth, Tuesday):	
/Iu/	[iu]	dew, ewe, suet, Tuesday	
/Ai/	[ði]	WHITE; FIRE + tail (+/E:/)	
/Oi/	[ɔi]	OIL	
/Au/	[θu]	COW + hour	
	[au]	flour	
			hear: hour, iron, suet
O:	[D]	DOG (except dog, fox	
		wash, trough) + onions	
		slaughter	
	[ɔ]	dog, fox, wash	
U:	[u]	BULL (except foot, sugar),	
		tooth	
/I/	[i:]	SHEEP + hear;    -Y words	
/E/	[ei]	break, gate, take, waistcoat,	
		weigh	
	[ei]	clay, lay	
	[e:]	drain, potatoes, spade, tail,	
		deaf.    Tuesday	
/E:/	[e:]	heard, work	
	[θ:]	third	
/E:/	[e:]	MARE + bacon	
	[eθ]	chair (+/E:/)	
A/	[a:]	arm, draught, farthing	
ɔ:/	[ɔ:]	forks, morning	
	[D:]	straw, walk	
/O:/	[o:]	FOAL (except oak); BOAR -	
		saw-dust;    potatoes (final	
		syllable), waistcoat	
	[ou]	oak	
/U:/	[u:]	GOOSE (except suet, tooth) -	
		sugar; ewe	
	[u]	foot	
/Iu/	[iu]	suet	
/Ai/	[ði]	eye, ivy, mice, white + fire	
	[ai]	fight, flies, hive - iron	
/Oi/	[ɔi]	boiling, oil	
	[Di]	voice	
/Au/	[au]	snout, sow n	
	[au]	cow + hour	
	[θu]	plough + flour	
/IΛ/	[iθ]	ears	

D/ is realised as [d.] in *saddle* (-[d]), /K as [k.] in *second*

N/ appears finally in -ING words

V/ appears initially in *furrow* (+/F/), finally in *calf*. /HW/ appears initially in *white* /θ/ is lacking in *with* /W/.

R/ is rolled or flapped in *rat, road, root*

/Y/ appears initially in *ears, hear* but is lacking in *yeast, dew, Tuesday*

/L/ is realised as [l:] in *holly*; /R/ as [r:] in *porridge*.

/T, D/ are dental in *take, rabbits, colt, fight, rat, that; cold, road, toad*

/L/ is clear except in *kettle, oil, weasel, shilling*.

/S/ appears in *Tuesday*; /HW/ appears initially in *weasel, wheel*. /V/ appears finally in *sheaf*

/R/ appears in *arm, morning; door, fire, hare, hear, ladder, sugar; calf*. It is rolled or flapped in *rabbits, rat, arm, ears, grease, porridge, squirrel, door, fire, hear, ladder, mare, sugar*

## Dyfed

### Dy 1 FURNACE

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE (except deaf)
/A/	[a]	APPLES (except thatch) +
		branch, calf, chaff, farmer,
		grass
/ʌ/	[ʌ]	SUCK (except furrow, onions) -
		trough
	[θ]	first;    -ER words, fire, flour.



## Dy 2 RHYDYFELIN

/ɪ/	[ɪ]	BRIDGE (except <i>bitch</i> )
/ɛ/	[ɛ]	KETTLE + <i>chair</i> (+/ɛ/) , potatoes,    <i>suet</i>
/æ/	[æ]	APPLES + <i>quarry, branch, chaff, draught, grass</i>
/ʌ/	[ʌ]	SUCK (except <i>onions</i> ),    <i>farmer, finger, shoulder</i>
	[θ]	<i>year</i> ,    -ER words (except <i>farmer, finger, shoulder</i> ) = <i>fire, flour, hear, hour, iron, potatoes</i> (final syllable)
/ɔ/	[ɔ]	DOG (except <i>quarry</i> ) + <i>onions,    waistcoat</i>
/u/	[u]	BULL + <i>tooth</i>
/i:/	[i:]	SHEEP + <i>bitch, hear</i> ;    <i>buried, holly, quarry</i>
/e/	[e]	<i>drain, gate, spade, tail, weigh</i> ;    <i>Tuesday</i>
	[ei]	<i>bacon, lay, take, waistcoat</i>
	[ɛi]	<i>break</i>
/œ:/	[œ:]	WORK
/ɛ:/	[ɛ:]	<i>hare, mare, pears</i>
	[ɛθ]	<i>chair</i> (+/ɛ/)
/ɑ:/	[ɑ:]	<i>arm, calf, farmer, farthing</i>
/ɔ:/	[ɔ:]	STRAW; BOAR + <i>stool</i>
/o:/	[o:]	FOAL (except <i>cold, comb, foal</i> ),    <i>turrow, yellow</i>
	[ɔu]	<i>cold</i>
/u:/	[u:]	GOOSE (except <i>stool, tooth</i> ) + <i>comb</i>
/a:/	[a:]	WHITE; FIRE
/oi/	[ɔi]	<i>boiling, voice</i>
	[oi]	<i>oil</i>
/au/	[au]	<i>plough, snout, thousand</i> + <i>snow</i> (+/O:/); HOUR
/iə/	[iθ]	<i>ears</i>

T is dental in *rabbits, colt*. /K/ is realised by long [k:] in *second*.

/L/ is always clear

/SY-/ appears initially in *sugar*, /S/ medially in *weasel*.

/HW/ appears initially in *wheel, white*.

/W/ is lacking in *woman*; /Y/ is lacking in *yeast*

/R/ appears finally in *boar, door, hare, ladder, mare, year* (+ form with final vowel).

/R/ is always rolled or flapped

## Dy 3 LLANON

/ɪ/	[ɪ]	BRIDGE
/ɛ/	[ɛ]	KETTLE (except <i>buried</i> ) + <i>heard</i> ,    <i>finger</i>
/æ/	[æ]	APPLES + <i>wash farmer, farthing, branch, chaff, grass, quarry</i>
/ʌ/	[ʌ]	SUCK (except <i>butter, onions</i> ) + <i>first, work</i> ,    <i>farmer, ladder, second</i>
	[θ]	<i>onions, third</i> ,    <i>butcher, flour, onions, shoulder, slaughter, squirrel, sugar</i> (+/U/)
	[œ]	<i>hear</i>
/o/	[ɔ]	<i>cross, dog, fox, trough, porridge</i> + <i>saw-dust</i>
	[ɔ]	<i>holly, wasps, wrong</i> ;    <i>iron</i>
/u/	[u]	BULL + <i>tooth</i> ;    <i>sugar</i> (+/ʌ/)
/i:/	[i:]	SHEEP (except <i>cheese</i> ) + <i>hear</i> ,    -Y words
/e/	[e]	<i>break, drain, gate, potatoes, spade, take, waistcoat, weigh</i>
	[ei]	<i>bacon, lay, tail</i>
	[ɛi]	<i>clay</i>
/œ:/	[œ:]	<i>ears</i>
/ɛ:/	[ɛθ]	<i>hare, mare</i>
	[ɛ:]	<i>chair, pears</i>
/ɑ:/	[ɑ:]	<i>arm, calf</i>
/ɔ:/	[ɔ:]	BOAR, STRAW (except <i>saw-dust</i> ) + <i>off</i>
/o:/	[o:]	FOAL (except <i>oak</i> );    <i>turrow, potatoes</i> (final syllable), <i>waistcoat, yellow</i>
	[ɔu]	<i>oak</i>
/u:/	[u:]	GOOSE (except <i>tooth</i> ), <i>ewe</i> (+/U:/)
/iə/	[iə]	WHITE (except <i>eye, hive</i> ), FIRE
	[θi]	<i>eye, hive</i>
/oi/	[ɔi]	OIL
/Au/	[au]	<i>cow, snout</i>
	[θu]	<i>plough, thousand</i>
	[œu]	<i>sow n. + flour</i>

/B/ is realised as [b:] in *rabbits*; /T/ as [t:] in *kettle*; /L/ as [l:] in *shoulder*; /R/ as rolled [r:] in *porridge*

/D/ is dental in *cold*

/N/ appears finally in *morning, nothing*

/L/ is always clear

/S/ appears in *thousand, Tuesday* /ʃh/ appears initially in *snow* /HW/ appears

initially in *wheel, whip, white*

/R/ appears medially in *farmer, farthing, first, forks, heard, morning, pears, third, work*; finally in *boar, butcher, chair, door, farmer, finger, flour, four, hare, sugar* (+ form with final vowel). It is always rolled or flapped.

/Y/ appears initially in *ears* and is lacking in *ewe, yeast*.

/N/ appears finally in *farthing*

/L/ is always clear except in *saddle*

HW appears initially in *wheel, whip, white*

/R/ appears medially in *farmer, forks, slaughter*; finally in *boar, butcher, butter, fire, flour, hare, ladder, mare*. It is always rolled or flapped, **except** in *draught*.

/Y/ appears initially in *ears* and in *hear*, medially in *heard*.

#### Dy 4 TREGARON

I/	[ɪ]	BRIDGE ( <b>except</b> <i>bitch</i> )
E/	[ɛ]	KETTLE:    <i>squirrel</i>
A/	[a]	APPLES + <i>branch, chaff, draught, grass,    sugar   </i>
ʌ/	[ʌ]	SUCK ( <b>except</b> <i>none</i> ):    <i>butter, onions, second</i>
	[θ]	-ER words ( <b>except</b> <i>butter</i> ) + <i>fire, flour, hour, iron, woman</i>
	[œ]	<i>first</i>
O/	[ɒ]	DOG ( <b>except</b> <i>dog, fox, wash</i> )
	[ɔ]	<i>dog, fox, wash</i>
U/	[ʊ]	BULL + <i>tooth</i>
I/	[i]	SHEEP + <i>bitch</i> ;    <i>buried</i> ; -Y words
E/	[e]	<i>clay</i> (+[ei]), <i>drain, gate, potatoes, spade, waistcoat,    Tuesday   </i>
	[ei]	<i>bacon, clay</i> (-[e.]), <i>lay, tail, make, weigh</i>
œ	[œ]	<i>third, work</i> ; EARS
	[θ]	<i>heard</i>
ɛ	[ɛ]	MARE
	[ɛθ]	<i>break</i>
A	[a]	<i>arm, calf, farmer, farthing</i>
ɔ/	[ɔ]	STRAW + <i>yolk, door, four</i>
o/	[o]	<i>colt, comb, foal, oak, road, snow, spokes, toad</i> + <i>boar,    furrow, waistcoat, yellow   </i>
	[θu]	<i>coal, cold,    potatoes (final syllable)   </i>
	[ou]	<i>old, shoulder</i>
/U:/	[u:]	GOOSE ( <b>except</b> <i>stool, tooth</i> )
	[uθ]	<i>stool</i>
/Ai/	[ai]	WHITE, FIRE
/Oi/	[ɔi]	OIL
/Au/	[au]	COW; HOUR

/T/ is dental in *tail, take, toad, two, butter, slaughter, colt, foot, gate, saw-dust, snout, white, yeast*. /D/ is dental in *toad*

/M/ is realised as [m] in *woman*, /L/ as [l.] in *shilling*

#### Dy 5 DREFACH

I/	[ɪ]	BRIDGE
E/	[ɛ]	KETTLE ( <b>except</b> <i>deaf, kettle,    squirrel   </i> )
A/	[a]	APPLES + <i>kettle</i>
ʌ/	[ʌ]	SUCK ( <b>except</b> <i>furrow, onions, suck, uncle</i> ) + <i>butcher</i> (+/U/),    <i>thousand</i>
	[œ]	<i>work</i>
	[θ]	<i>furrow, suck, uncle</i> ;    <i>bacon, -ER words; fire, flour, hour, iron, sugar, woman</i>
/O/	[ɔ]	<i>cross, dog, fox, off, wash, trough</i> + <i>slaughter; onions,    second   </i>
	[D]	<i>holly, porridge, wasps, wrong</i>
/U/	[ʊ]	BULL + <i>tooth</i> ;    <i>onions</i>
I/	[i]	SHEEP ( <b>except</b> <i>weasel,    buried, -Y words   </i> )
E/	[e:]	<i>break, drain, gate, potatoes, spade, tail, bacon, clay, lay</i>
	[ei]	<i>weigh</i>
/œ:/	[œ:]	WORK ( <b>except</b> <i>work</i> ) + <i>year</i> (+ [θ:]);
	[θ:]	<i>heard</i> (-[œ:]); <i>year</i> (+[œ:]), <i>hear</i>
/ɛ:/	[ɛ:]	<i>chair, hair, pears</i>
	[ɛθ]	<i>mare</i>
/A/	[a:]	<i>arm, calf, farmer, farthing</i>
/ɔ:/	[ɔ:]	STRAW ( <b>except</b> <i>slaughter</i> ) + <i>old; quarry</i> ; BOAR
/O/	[o:]	FOAL ( <b>except</b> <i>cold, foal, yolk,    furrow, potatoes (final syllable), waistcoat, yellow</i> (+[ɔu])
	[ɔu]	<i>cold, yolk</i> ;    <i>yellow</i> (+[o:])
/U:/	[u:]	GOOSE ( <b>except</b> <i>tooth</i> ):
/Ai/	[ai]	WHITE + <i>iron</i>
	[θi]	<i>fire</i>
/Oi/	[ɔi]	OIL

Au	[aʊ]	COW (except thousand)
	[θu]	thousand, flour
/Oʌ/	[ɔʊθ]	hour

/T, D/ are dental in *toad*; *butter*, *rabbits*, *slaughter*; *colt*, *fight*, *foot*, *gate*, *rat*, *saw-dust*, *snout*, *waistcoat* (final), *white*, *buried*, *road*, *second*

/T/ is realised as dental [t:] in *butter*; /Ch/ as [tʃ] in *butcher* (+[tʃ]); /M/ as [m.] in *woman*.

/L/ is always clear

/S/ appears medially in *thousand*, /HW/ initially in *wheel* (+/W/), *white*.

/R/ appears medially in *arm*, *farmer*, *heard* (- form without /R/), *morning*, *work* finally in *boar*, *butcher*, *butter*, *chair*, *door*, *farmer*, *fire*, *flour*, *four*, *hare*, *hour*, *ladder*, *mare*, *year*.  
/R/ is always rolled or flapped

/W/ is lacking in *wool* /Y/ appears in *hear*

### Dy 6 GOODWICK

I.	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE
A	[a]	APPLES + wasps, branch, chaff, calf, draught, grass
ʌ	[ʌ]	SUCK
	[θ]	[[ -ER words; <i>fire</i> , <i>flour</i> , <i>hour</i> , <i>iron</i> , <i>onions</i> , <i>second</i> , <i>squirrel</i> , <i>sugar</i> , <i>thousand</i> , <i>woman</i> ]]
O	[ɔ]	DOG (except <i>holly</i> , <i>wasps</i> ) + <i>one</i> (+ /O/) <i>holly</i>
/U/	[u]	BULL + <i>goose</i> , <i>hoof</i> , <i>tooth</i>
/I/	[i]	SHEEP, [[ <i>buried</i> , -Y words ]]
/E./	[e.]	<i>break</i> , <i>drain</i> , <i>potatoes</i> , <i>spade</i> , <i>take</i> , <i>waistcoat</i>
	[ei]	<i>bacon</i> , <i>clay</i> , <i>gate</i> , <i>lay</i> , <i>tail</i> , <i>weigh</i>
œ /	[θ]	WORK
	[œ]	EARS
	[œ <sup>T</sup> ]	year
/E./	[e.]	<i>hare</i> , <i>pears</i>
	[eθ]	<i>chair</i>
	[eθ <sup>T</sup> ]	<i>mare</i>
/A:/	[a]	<i>arm</i> , <i>farmer</i> , <i>farthing</i>
/ɔ:/	[ɔ]	STRAW (except <i>forks</i> ), BOAR
	[ɔ <sup>T</sup> ]	<i>forks</i>
O /	[o.]	FOAL (except <i>colt</i> , <i>comb</i> , <i>toad</i> ), [[ <i>potatoes</i> (final syllable),

	[ou]	<i>waistcoat</i> , <i>yellow</i> ]]
/U /	[u]	<i>colt</i> , <i>toad</i>
/lu/	[lu]	<i>dew</i> , <i>root</i> , <i>stool</i> , <i>two</i> , <i>comb</i>
/Ai/	[ai]	<i>ewe</i> , <i>suet</i> , <i>Tuesday</i>
	[θi]	WHITE (except <i>white</i> ), FIRE
/Oi/	[ɔi]	white
/Au/	[au]	OIL
	[au]	COW, HOUR

/L/ is always clear except in *saddle*, *thimble*

/V/ appears finally in *sheaf* /HW/ appears initially in *wheel*, *whip*

/R/ appears in *butcher*, *butter*, *hare*, *ladder*, *sugar*. It is rolled or flapped in *rat*; *drain*, *butcher*, *butter*, *hare*, *ladder*

/Y/ appears initially in *ears* and in *hear*, but is lacking in *Tuesday*

### Dy 7 BONCATH

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE, [[ <i>quarry</i> , <i>squirrel</i> , <i>suet</i> , <i>weasel</i> ]]
/A/	[a]	APPLES + <i>one</i> ; <i>branch</i> , <i>calf</i> , <i>chaff</i> , <i>draught</i> , <i>grass</i>
ʌ	[ʌ]	SUCK (except <i>one</i> ), [[ <i>onions</i> ]]
	[θ]	<i>third</i> , [[ -ER words, <i>fire</i> , <i>flour</i> , <i>hear</i> , <i>hour</i> , <i>iron</i> , <i>rabbits</i> , <i>sugar</i> , <i>woman</i> ]]
O/	[ɔ]	DOG (except <i>wasps</i> ), [[ <i>waistcoat</i> ]]
/U/	[u]	BULL (except <i>sugar</i> ) - <i>hoof</i> , <i>tooth</i>
/I:/	[i:]	SHEEP + <i>hear</i> , [[ <i>ivy</i> ]]
/E./	[e:]	GATE
/œ:/	[θ:]	WORK (except <i>third</i> )
	[œ:]	ears
/E./	[e:]	MARE (except <i>chair</i> )
	[e <sup>T</sup> :]	<i>chair</i>
/A:/	[a:]	<i>arm</i> , <i>farmer</i> , <i>farthing</i>
/ɔ:/	[ɔ:]	STRAW + <i>yolk</i> ; <i>door</i>
	[ɔ <sup>T</sup> :]	<i>four</i>
/O/	[o:]	<i>coal</i> , <i>cold</i> , <i>colt</i> , <i>foal</i> , <i>oak</i> , <i>old</i> , <i>shoulder</i> , <i>toad</i> + <i>cow</i>
	[o:]	<i>comb</i>
	[ɔu]	<i>road</i> , [[ <i>yellow</i> ]]
	[θu]	<i>snow</i>
U	[u]	GOOSE (except <i>hoof</i> , <i>tooth</i> ) - <i>sugar</i> , <i>spokes</i>
/Ai/	[ai]	WHITE + <i>fire</i>
	[ai]	<i>iron</i>
/Oi/	[oi]	<i>oil</i> , <i>voice</i>

	[ɔi]	boiling
Au/	[au]	COW (except cow, snout) -hour
	[ou]	flour
/OΛ/	[ɔθ]	boar
/IΛ/	[iθ <sup>T</sup> ]	year

/D/ appears finally in foal /FO:LD

/L/ is clear in cold, colt, shoulder, twelve, coal, foal, oil, squirrel, stool, weasel.

/F/ appears finally in twelve; /S/ appears medially in Tuesday

/W/ is lacking in wool, /Y/ in yeast, Tuesday

/R/ appears in farmer (medial and final), first, heard, third, work, butter, finger, fire, flour, hare, hear, mare, shoulder, sugar. It is rolled or flapped initially (except in road), medially (except in bridge, buried, drain, turrrow, grease, quarry)

### Dy 8 CENARTH

/I/	[i]	BRIDGE: [[ onions ]]
/E/	[ɛ]	KETTLE + grease: pears. [[ squirrel, suet, porridge ]]
/A/	[a]	APPLES + wasps, draught, branch, calf, chaff, farthing, grass
	[ɑ]	farmer
Λ/	[Λ]	SUCK (except onions, suck, uncle) + trough (-/O:/), [[ butter ]]
	[θ]	uncle: [[ apples, -ER words (except butter) + fire, flour, hear, hour, iron, sugar, weasel, woman ]]
/O/	[ɔ]	DOG (except wasps) + onions
/U/	[u]	BULL + hoof, suck, tooth
/I:/	[i:]	SHEEP (except grease, wheel) + hear: [[ -Y words ]]
/E:/	[ei]	GATE (except break, gate, spade)
	[e:]	break, gate, spade
/Œ:/	[θ:]	WORK
/E:/	[ɛθ]	hare
	[ɛ:]	chair
	[eθ]	mare
/A:/	[a]	arm
/ɔ:/	[ɔ:]	STRAW + door
/O:/	[θu]	cold, colt, oak, old, shoulder, snow, yolk, COW (except cow) + hour
	[o:]	coal, spokes, toad + boar,

		[[ furrow, potatoes (final syllable), yellow ]]
/U:/	[u:]	dew, ewe, goose, suet, two - comb
	[uθ]	root, stool
/U/	[iu]	Tuesday
Ai/	[ai]	WHITE (except eye): FIRE
	[θi]	eye
/Oi/	[ɔi]	OIL
/Au/	[au]	cow, flour
IΛ/	[iθ]	ears, year - wheel
/OΛ/	[ɔθ]	tour; foal, road

/D/ is lacking in second, /G/ is realised as [g] in sugar

/N/ appears in the combination /NK-/ in uncle

/L/ is always clear

Th/ appears medially in farthing

R/ appears in farthing, pears, boar, butcher, chair, door, four, hour, ladder, shoulder, year. It is rolled or flapped (except in cross, furrow, boar, chair, four, year)

W/ appears initially in hoof, /Y/ is lacking in Tuesday

### Dy 9 LLANSAWEL

I/	[i]	BRIDGE
E/	[ɛ]	KETTLE + chair, [[ squirrel, suet ]]
A/	[a]	APPLES + wasps, branch, chaff, draught, farmer, grass
Λ/	[Λ]	SUCK (except butter, onions)
	[θ]	[[ bacon, -ER words, fire, flour, hour, iron, sugar, thousand, woman ]]
	[œ:]	[[ hear ]]
/O/	[ɔ]	DOG (except quarry, wasps) + onions; forks; yolk. [[ onions ]]
U/	[u]	BULL + tooth
/I:/	[i:]	SHEEP (except pea) + hear: [[ buried; -Y words ]]
/E:/	[ei]	bacon, drain, lay, potatoes, waistcoat, weigh
	[e:]	break, gate, spade, tail, take
/Œ:/	[θ:]	WORK
	[œ:]	ears
/E:/	[ɛθ]	mare, pears
	[ɛ:]	hare



	[i]	BRIDGE
	[e]	KETTLE - <i>pears</i>    <i>squirrel</i>
	[a]	APPLES - <i>except rabbits, rat, saddle</i> + <i>chaff, draught, grass, rat, saddle</i>
	[æ]	rabbits + <i>branch</i>    <i>rabbits</i>
	[ʌ]	butter, jump, none, onions, uncle
	[ɒ]	furrow;    <i>flour, hour, onions, slaughter</i>
	[ɔ]	DOG + <i>nothing, one, saw-dust</i>
	[u]	BULL + <i>suck</i>
	[i]	SHEEP + <i>hear</i>    -Y words <i>Tuesday</i>
	[e]	GATE (except <i>bacon, potatoes</i> )

Dy 12 WOLF'S CASTLE

	[i]	BRIDGE
	[e]	KETTLE    <i>squirrel</i>
	[a]	APPLES - <i>wasps, branch, chaff, draught</i>
	[ɜ]	SUCK (except <i>one</i> )
	[ɒ]	<i>bacon</i> -ER words (except <i>fingers</i> ) + <i>fire, flour, hour, iron, onions, rabbits, sugar, weasel, woman</i>
	[ɔ]	<i>finger</i>
	[u]	<i>hear</i>
	[ɔ]	DOG (except <i>wasps</i> ) + <i>one</i>

	[i]	BRIDGE
	[e]	SHEEP - <i>hear</i>    -Y words
	[e]	GATE
	[ɜ]	suck
	[ɒ]	WORK - <i>rear</i>
	[ɜ]	rear
	[e]	chair, hare
	[e]	mare
	[a]	arm, call, farmer, farthing
	[ɔ]	STRAW - <i>draught, dice</i>
	[ɔ]	hour
	[u]	FOAL (eye, coal, shen) - <i>hour</i>
	[u]	smile
	[u]	<i>warsteed</i>
	[u]	GOOSE
	[u]	coal
	[ai]	WHITE, FIRE
	[oi]	boiling voice
	[ɔ]	oil
	[au]	COW, HOUR

G appears medially in *spike*.

N appears finally in *morning, shilling*.

Ng finally in *hewn*.

L is clear in *cold, colt, shoulder* (twelve also finally except in *kettle, saddle, stool, thimble, uncle, wool*).

NW appears initially in *white*.

R appears in *farmer* (medial and final) *first, turks, hare, heat, ladder*. It is rolled or flapped in *rat, road, row, branch, break, bridge, crown, drain, draught, ears, farmer* (medial and final) *first, turks, grass, grease, guars, squirrel, serum, trough, hare, heat, ladder*.

N appears finally in *farthing, nothing, shilling*.

L is clear in *cold, colt, shoulder*, and finally (except in *kettle, saddle, stool, thimble, uncle, wool*).

Th appears medially in *farthing* ('F' is lacking in *draught* 'DRɔT').

R appears in *arm, butter, fire, flour, shoulder*. It is rolled or flapped in *rabbits, arm, draught, butter, fire, flour, shoulder*.

Y appears initially in *ears* but is lacking in *yeast*.

Dy 13 CAMROSE

	[i]	BRIDGE
	[e]	KETTLE + <i>pears</i>
	[a]	APPLES (except <i>rabbits, rat, saddle</i> ) + <i>chaff, draught, grass, rat, saddle</i>
	[æ]	rabbits + <i>branch</i>    <i>rabbits</i>
	[ʌ]	butter, jump, none, onions, uncle
	[ɒ]	furrow;    <i>flour, hour, onions, slaughter</i>
	[ɔ]	-ER words (except <i>slaughter</i> ) + <i>fire, hour, iron, sugar</i>
	[u]	DOG + <i>nothing, one, saw-dust</i>
	[u]	BULL + <i>suck</i>
	[i]	SHEEP + <i>hear</i>    -Y words <i>Tuesday</i>
	[e]	GATE (except <i>bacon, potatoes</i> )

		spade, tail) + live in
	[e]	bacon tail
	[ɛ]	eye flies
œ /	[θ <sup>T</sup> ]	WORK (except work) + year
	[ʌ]	work
ɛ /	[ɛθ <sup>T</sup> ]	chair
	[ɛ <sup>T</sup> ]	hare
	[ɛθ]	mare
	[ɛ]	potatoes
A /	[a]	farmer, farthing
	[ɑ]	calf
	[ɑ <sup>T</sup> ]	arm
ɔ /	[ɔ]	walk
	[ɔ <sup>T</sup> ]	morning, slaughter + hear, four
O /	[o]	oak, spokes + straw
	[ou]	coal, road, shoulder, toad
	[ɔu]	cold, colt, comb, foal, old, snow; [[ waistcoat, yellow ]]
U /	[u]	GOOSE (except ewe) + yolk
	[Uu]	ewe
Ai /	[ai]	mice, white; FIRE
Oi /	[ɔi]	OIL
Au /	[θu]	cow, hour; [[ furrow; potatoes ]]
	[ɛu]	plough, sow n
	[æu]	snout
	[au]	thousand + flour
IA /	[iθ <sup>T</sup> ]	ears
OA /	[ɔθ <sup>T</sup> ]	door

T/ appears finally in *second*.

/N/ appears finally in *boiling, morning, nothing*

L/ is clear medially (except in *twelve*) and finally (except in *bull, wool*).

/Th/ appears medially in *farthing*. /HW/ initially in *wheel*

/R/ appears in *pears, hear*. It is rolled or flapped in *rabbits, root; branch, furrow, grass, pears, squirrel, straw; hear*.

**Dy 14 WISTON**

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE, [[ ladder, suet, porridge ]]
/A/	[a]	APPLES + wasps; branch, calf, chaff, draught, grass
/ʌ/	[ʌ]	furrow, onions, uncle
	[θ]	dog; [[ bacon; fire, iron, onions, squirrel, sugar, weasel ]]
	[θ <sup>T</sup> ]	[[ farmer, flour ]]
/O/	[ɔ]	DOG (except dog, wasps) + none, one, [[ second ]]

/U/	[U]	BULL (except suet) + butter, jump, nothing, sack, head, root
I /	[i]	SHEEP, [[ -Y words ]]
E /	[ɛ]	GATE
œ /	[ɛ]	WORK (except heard); EARS
	[θ <sup>T</sup> ]	heard
ɛ /	[ɛ]	chair, pears
	[ɛ <sup>T</sup> ]	hare, mare
IA /	[ɑ]	arm, father
	[a]	farthing
	[aθ]	hour
ɔ /	[ɔ]	STRAW + deer, four
	[ɔ <sup>T</sup> ]	hour
O /	[ou]	FOAL (except colt, comb, snow) + trough (+ O), stool
	[ɔu]	colt, comb, snow
U /	[u]	dew, goose, suet, tooth, Tuesday, two + sugar,
	[Uu]	ewe
Ai /	[ai]	WHITE (except ivy) + iron
	[ɔi]	ivy, fire
Oi /	[oi]	boiling, voice
	[ɔi]	oil
Au /	[au]	cow, plough, snout + flour
	[æu]	sow n., thousand

/N/ appears finally in *nothing*

/L/ is clear in *cold, colt, shoulder, twelve, bull, foal, oil, squirrel, weasel*

/F/ is lacking in *trough* (+ form with 'F'). /V/ appears initially in *first*. /Th/ appears medially in *farthing*

/R/ is rolled or flapped in *root, drain, squirrel*

/Y/ appears initially in *ears* and in *hear* but is lacking in *yeast*

**Dy 15 LOGIN**

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE, [[ ladder, porridge, squirrel, suet ]]
/A/	[a]	APPLES + branch, chaff, draught, farmer, farthing, grass
/ʌ/	[ʌ]	SUCK (except onions, uncle)
	[θ]	[[ -ER words (except ladder) + fire, flour, hear, hour, iron, sugar, weasel ]]
/O/	[ɔ]	DOG + onions, [[ onions ]]
/U/	[U]	BULL + uncle, goose, hat, with

I	[i]	SHEEP (except <i>sheep</i> + <i>hear</i> [i -Y words <i>buried</i> ])
E	[e]	GATE (except <i>break gate</i> spade weigh) break, gate, spade
	[ɛ]	weep
Æ	[ɛ]	WORK (except <i>work</i> )
	[æ]	work
ɛ	[ɛ]	MARE (except <i>pears</i> )
A	[ɛ]	pears
ɔ	[ɑ]	arm call
O	[ɔ]	STRAW - door four
	[o]	coal, cold, colt, oak, road, snow, toad, yolk, [i] 'atoes, waistcoat, yellow [i]
	[oʊ]	foal, old, shoulder, spokes, plough, snout, thousand + hour
U	[u]	ewe, root, suet, two + comb
	[u]	stool
ɪə	[ɪu]	dew, Tuesday
Ai	[ai]	WHITE (except <i>eye</i> ), FIRE
	[ɪ]	eye
Oi	[ɔi]	OIL
Au	[au]	cow, sow n + flour
IA	[iə]	ears, year + wheel
OA	[ɔə]	hour

T appears initially in 'atoes potatoes'

N appears finally in *morning*

L is clear (except in *saddle*). In *kettle*, clear and dark realisations of /L/ are recorded side-by-side.

Th appears medially in *farthing*, finally in *with*. HW appears initially in *whip*, *white* (+ W).

R appears medially in *farmer*, *farthing*, *heard*, finally in *door*, *farmer*, *flour* (+ form without 'R'), *hare*, *ladder*, *mare*, *butter*. /R/ is rolled except in *cross*, *farthing*, *furrow*, *grease*, *squirrel*, *butter*, *mare*.

/Y/ is lacking in *yeast*; *Tuesday*

Dy 16 NEWCHURCH

/I/	[i]	BRIDGE, [i] <i>onions</i> [i]
/E/	[ɛ]	KETTLE + <i>chair</i> , [i] <i>butter</i> , <i>quarry</i> , <i>squirrel</i> , <i>suet</i> , <i>porridge</i> [i]
/A/	[a]	APPLES + <i>wasps</i> , <i>branch</i> , <i>call</i> , <i>chaff</i> , <i>draught</i> , <i>grass</i>
/A/	[ʌ]	SUCK + <i>put</i>
	[ɒ]	[i] -ER words (except <i>butter</i> ) +

	[ɔ]	fire, flour, furrow, hear, hour, iron, sugar [i]
/O/	[ɔ]	DOG (except <i>wasps</i> ) + <i>slaughter house</i>
/U/	[u]	BULL (except <i>put</i> , <i>wool</i> ) + <i>hoof</i> , <i>tooth</i>
/I/	[i]	SHEEP + <i>hear</i> , [i] -Y words (except <i>quarry</i> ) [i]
/E/	[e]	bacon, break, gate, spade, take, waistcoat, weigh
	[ei]	drain, lay, potatoes, tail
/E/	[ɛ]	third, first
/E/	[ɛ]	heard, work
/A/	[a]	MARE (except <i>chair</i> )
/O/	[o]	arm, farmer, farthing
/O/	[o]	forks, morning, saw-dust, walk, boar, four
/O/	[o]	coal, oak, road, spokes, toad, yolk, [i] yellow, potatoes (final syllable) [i]
	[oʊ]	cold, colt, foal, old, shoulder, snow; plough, sow n., thousand, HOUR
/U/	[u]	ewe, goose, root + wool, comb
	[u]	stool
/U/	[u]	dew, suet, Tuesday
/Ai/	[ai]	eye, flies, ivy, white; FIRE
	[ɪ]	fight, hive, mice + clay
/O/	[ɔ]	OIL
/Au/	[au]	cow, snout
/IA/	[iə]	ears, year
/OA/	[ɔə]	door, straw

/P/ is realised as [p:] in *apples*; /T/ as [t:] in *butter*. /D/ is lacking in *second*. /G/ appears medially in *spokes*.

'N' appears finally in -ING words.

/L/ is lacking in *shoulder*. /L/ is always clear, except that in *kettle* both clear and dark realisations are recorded side-by-side.

/S/ appears medially in *thousand*

/R/ appears finally in *boar*, *butter*, *chair*, *door*, *hare*, *ladder*, *sugar*. It is rolled or flapped in *root*, *wrong*; *branch*, *break*, *buried*, *drain*, *draught*, *furrow*, *grease*, *quarry*, *squirrel*, *straw*, *trough*; *boar*, *hare*, *ladder*, *sugar*.

/Y/ is lacking in *yeast*; *dew*, *Tuesday*



Dy 17 GELLI AUR

I	[i]	BRIDGE    <i>visions</i>
E	[ɛ]	KETTLE    <i>butcher porridge squirrel</i>
A	[a]	APPLES + wasps, branch calf chaff draught, farmer, grass    sugar
A	[ʌ]	SUCK + put
	[θ]	third    apples fire, flour hear, hour potatoes (final syllable), suet, weasel
O	[ɔ]	DOG (except wasps) - slaughter-house,    bacon second
U	[u]	BULL (except put) + hoof
I	[i]	SHEEP (except wheel) + hear,    -Y words
E	[ei]	bacon, clay, lay, potatoes, tail, waistcoat, weigh
	[e]	break, gate spade, take
æ	[θ]	WORK (except third) - ears
ε	[ɛθ]	chair, mare
	[ɛ]	hare, pears
A	[a]	arm, farthing
ɔ	[ɔ]	STRAW (except slaughter) - four
O	[o]	coal, colt, road, snow, oak, yolk,    furrow, waistcoat, yellow
	[θu]	cold, oak, old, shoulder, snout, sow n., hour
	[ɔu]	foal, spokes
U	[u]	goose, root, suet, tooth, two - comb
	[uθ]	stool
Iu	[iu]	dew, ewe, Tuesday
Ai	[θi]	WHITE (except mice, white)
	[ai]	mice, white - fire, drain
Oi	[ɔi]	OIL
Au	[au]	cow, plough, thousand + flour
IA	[iθ]	year + wheel
IOA	[ɔθ]	hour, door

/N/ appears finally in *boiling, farthing, morning*

L is always clear

/S/ appears medially in *thousand, Tuesday*.  
/HW/ appears initially in *wheel, whip, white*

/R/ appears medially in *farmer, first, third*, finally in *farmer, hour, year*. It is rolled or flapped initially (except in *wrong*), medially in *branch, bridge hurried, drain, draught, first, furrow, grass, grease quarry, squirrel, trough*, and finally in *hour, sugar*.

100

'Y' appears initially in *ears* but is lacking in *dew Tuesday*

Dy 18 LLANDEBIE

I	[i]	BRIDGE
/E/	[ɛ]	KETTLE,    <i>squirrel, suet</i>
/A/	[a]	APPLES (except <i>thatch</i> )
A	[ʌ]	SUCK (except <i>butter, furrow uncle</i> )
	[θ]	<i>butter, furrow uncle</i> ,    -ER words (except <i>farmer</i> ) + <i>fire</i> <i>flour hour, iron visions</i>
	[θɹ]	<i>farmer, ladder</i>
/O/	[ɔ]	DOG
/U/	[u]	BULL + <i>tooth</i>
I	[i]	SHEEP,    -Y words (except <i>ivy</i> )
E	[ei]	<i>clay, drain, lay, tail, weigh</i>
	[e]	<i>break, gate, potatoes, spade, take</i>
æ	[ɛ]	WORK + <i>year</i>
	[θ]	<i>hear</i>
/E/	[ɛ]	MARE + <i>bacon</i>
/A/	[a]	<i>calf, farmer, farthing +</i> <i>thatch</i>
	[a]	<i>arm</i>
ɔ	[ɔ]	STRAW
/O/	[o]	FOAL (except <i>cold, shoulder, snow, yolk</i> ) + <i>hour, four</i> ,    <i>furrow, potatoes (final syllable), yellow</i>
	[ou]	<i>shoulder</i>
	[θu]	<i>snow</i>
/U/	[u]	GOOSE (except <i>dew, suet tooth</i> )
	[u]	<i>suet</i>
/Iu/	[iu]	<i>dew</i>
/Ai/	[θi]	WHITE (except <i>hive</i> ) + <i>fire</i>
	[ai]	<i>hive + iron</i>
/Oi/	[ɔi]	OIL
/Au/	[au]	<i>hour</i>
	[ɔu]	COW + <i>flour</i>
/IA/	[iθ]	<i>ears</i>
/IOA/	[ɔθ]	<i>door</i>

/P/ is lacking in *wasps*

/T/ is dental in *fight, gate, rat, snout, suet, white*, /D/ is dental in *road*

/L/ is clear (except in *cold, saddle*)

/S/ is realised as [s] in *wasps [wɔs]*  
/HW/ appears initially in *wheel, whip, white*

## Part Two

/I/	[i]	SHEEP (except wheel) + hear; [[ -Y words, buried ]]
/E/	[ei]	GATE (except break, gate, spade, weigh)
	[e]	break, gate, spade
	[Ei]	weigh
/ɔ/	[θ]	WORK (except work)
	[œ]	work
/E:/	[ɛ]	MARE (except pears)
	[eθ]	pears
A/	[ɑ]	arm, calf
ɔ/	[ɔ]	STRAW - door, four
O/	[o]	coal, cold, colt, oak, road, snow, toad, yolk, [[ 'atoes, waistcoat, yellow ]]
	[θu]	foal, old, shoulder, spokes, plough, snout, thousand + hour
U/	[u:]	ewe, root, suet, two + comb
	[uθ]	stool
Iu/	[iu]	dew, Tuesday
/Ai/	[ai]	WHITE (except eye): FIRE
	[θi]	eye
/Oi/	[ɔi]	OIL
Au/	[au]	cow, sow n. + flour
/A/	[iθ]	ears, year - wheel
/OΛ/	[ɔθ]	boar

/T/ appears initially in 'atoes 'potatoes'

N/ appears finally in *morning*

L/ is clear (except in *saddle*). In *kettle*, clear and dark realisations of /L/ are recorded side-by-side

Th/ appears medially in *farthing*, finally in *with* 'HW' appears initially in *whip*, *white* (+.W)

/R/ appears medially in *farmer*, *farthing*, *heard*; finally in *door*, *farmer*, *flour* (+ form without /R/), *hare*, *ladder*, *mare*, *butter*. /R/ is rolled except in *cross*, *farthing*, *furrow*, *grease*, *squirrel*; *butter*, *mare*.

/Y/ is lacking in *yeast*; *Tuesday*.

Dy 16 NEWCHURCH

/I/	[i]	BRIDGE; [[ <i>onions</i> ]]
/E/	[ɛ]	KETTLE + chair; [[ <i>butter</i> , <i>quarry</i> , <i>squirrel</i> , <i>suet</i> , <i>porridge</i> ]]
/A/	[a]	APPLES + wasps, branch, calf, chaff, draught, grass
/Λ/	[Λ]	SUCK + put
	[θ]	[[ -ER words (except <i>butter</i> ) +

		<i>fire</i> , <i>flour</i> , <i>furrow</i> , <i>hear</i> , <i>hour</i> <i>iron</i> , <i>sugar</i> ]]
/O/	[ɔ]	DOG (except wasps) - <i>slaughter-house</i>
/U/	[u]	BULL (except put, wool) + <i>hoof</i> , <i>tooth</i>
I/	[i:]	SHEEP - hear; [[ -Y words (except <i>quarry</i> ) ]]
/E:/	[e:]	<i>bacon</i> , <i>break</i> , <i>gate</i> , <i>spade</i> , <i>take</i> , <i>waistcoat</i> , <i>weigh</i>
	[ei]	<i>drain</i> , <i>lay</i> , <i>potatoes</i> , <i>tail</i>
/E:/	[e:]	<i>third</i> , <i>first</i>
/E:/	[ɛ:]	<i>heard</i> , <i>work</i>
/E:/	[ɛ:]	MARE (except chair)
/A:/	[a:]	<i>arm</i> , <i>farmer</i> , <i>farthing</i>
/ɔ:/	[ɔ:]	<i>forks</i> , <i>morning</i> , <i>saw-dust</i> , <i>walk</i> ; <i>boar</i> , <i>four</i>
/O:/	[o:]	<i>coal</i> , <i>oak</i> , <i>road</i> , <i>spokes</i> , <i>toad</i> , <i>yolk</i> , [[ <i>yellow</i> , <i>potatoes</i> (final syllable) ]]
	[θu]	<i>cold</i> , <i>colt</i> , <i>foal</i> , <i>old</i> , <i>shoulder</i> , <i>snow</i> ; <i>plough</i> , <i>sow n.</i> , <i>thousand</i> ; HOUR
/U:/	[u:]	<i>ewe</i> , <i>goose</i> , <i>root</i> + <i>wool</i> , <i>comb</i>
	[uθ]	<i>stool</i>
/Iu/	[iu]	<i>dew</i> , <i>suet</i> , <i>Tuesday</i>
/Ai/	[ai]	<i>eye</i> , <i>flies</i> , <i>ivy</i> , <i>white</i> ; FIRE
	[θi]	<i>fight</i> , <i>hive</i> , <i>mice</i> + <i>clay</i>
/Oi/	[ɔi]	OIL
/Au/	[au]	<i>cow</i> , <i>snout</i>
/A/	[iθ]	<i>ears</i> , <i>year</i>
/OΛ/	[ɔθ]	<i>door</i> , <i>straw</i>

/P/ is realised as [p] in *apples*; /T/ as [t.] in *butter*; /D/ is lacking in *second*. /G/ appears medially in *spokes*.

/N/ appears finally in -ING words.

/L/ is lacking in *shoulder*. /L/ is always clear, except that in *kettle* both clear and dark realisations are recorded side-by-side

/S/ appears medially in *thousand*

/R/ appears finally in *boar*, *butter*, *chair*, *door*, *hare*, *ladder*, *sugar*. It is rolled or flapped in *root*, *wrong*, *branch*, *break*, *buried*, *drain*, *draught*, *furrow*, *grease*, *quarry*, *squirrel*, *straw*, *trough*; *boar*, *hare*, *ladder*, *sugar*.

/Y/ is lacking in *yeast*; *dew*, *Tuesday*

## Dy 17 GELLI AUR

/I/	[ɪ]	BRIDGE    <i>onions</i>
/L/	[ɛ]	KETTLE.    <i>butcher, porridge squirrel</i>
/A/	[a]	APPLES + <i>wasps, branch, calf, chaff, draught, farmer, grass,    sugar   </i>
/ʌ/	[ʌ]	SUCK + <i>put</i>
	[θ]	<i>third</i> ;    <i>apples, fite, flour, hear, hour, potatoes (final syllable), suet, weasel</i>
/O/	[ɔ]	DOG (except <i>wasps</i> ) + <i>slaughter-house,    bacon, second   </i>
/U/	[u]	BULL (except <i>put</i> ) + <i>hoof</i>
/I/	[i]	SHEEP (except <i>wheel</i> ) + <i>hear,    -Y words   </i>
E	[ei]	<i>bacon, clay, lay, potatoes, tail, waistcoat, weigh</i>
	[e]	<i>break, gate, spade, take</i>
/æ/	[θ]	WORK (except <i>third</i> ) + <i>ears</i>
/E/	[Eθ]	<i>chair, mare</i>
	[E.]	<i>hare, pears</i>
/A/	[a:]	<i>arm, farthing</i>
/ɔ/	[ɔ:]	STRAW (except <i>slaughter</i> ) + <i>four</i>
/O/	[o]	<i>coal, colt, road, snow, oak, yolk,    furrow, waistcoat, yellow   </i>
	[θu]	<i>cold, oak, old, shoulder, snout, sow n., hour</i>
	[ɔu]	<i>foal, spokes</i>
/U/	[u.]	<i>goose, root, suet, tooth, two - comb</i>
	[uθ]	<i>stool</i>
	[iu]	<i>dew, ewe, Tuesday</i>
/Ai/	[θi]	WHITE (except <i>mice, white</i> )
	[ai]	<i>mice, white - fire; drain</i>
/Oi/	[ɔi]	OIL
/Au/	[au]	<i>cow, plough, thousand + flour</i>
/Iʌ/	[iθ]	<i>year + wheel</i>
/Oʌ/	[ɔθ]	<i>boar, door</i>

/N/ appears finally in *boiling, farthing, morning*

/L/ is always clear.

/S/ appears medially in *thousand, Tuesday*;  
/HW/ appears initially in *wheel, whip, white*.

/R/ appears medially in *farmer, first, third*; finally in *farmer, hour, year*. It is rolled or flapped initially (except in *wrong*), medially in *branch, bridge, buried, drain, draught, first, furrow, grass, grease, quarry, squirrel, trough*, and finally in *hour, sugar*.

*year*

/Y/ appears initially in *ears* but is lacking in *dew Tuesday*

## Dy 18 LLANDEBIE

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE.    <i>squirrel, suet</i>
/A/	[a]	APPLES (except <i>thatch</i> )
/ʌ/	[ʌ]	SUCK (except <i>butter, furrow uncle</i> )
	[θ]	<i>butter, furrow, uncle,    ER words (except farmer) + fire flour, hour, iron, onions   </i>
	[θ <sup>T</sup> ]	<i>farmer, ladder</i>
/O/	[ɔ]	DOG
/U/	[u]	BULL + <i>tooth</i>
/I/	[i]	SHEEP.    <i>-Y words (except ivy)</i>
/E/	[ei]	<i>clay, drain, lay, tail, weigh</i>
	[e.]	<i>break, gate, potatoes, spade, take</i>
/æ:/	[æ:]	WORK + <i>year</i>
	[θ:]	<i>hear</i>
/E:/	[E:]	MARE + <i>bacon</i>
/A:/	[a:]	<i>calf, farmer, farthing + thatch</i>
	[ɑ:]	<i>arm</i>
/ɔ:/	[ɔ:]	STRAW
/O:/	[o:]	FOAL (except <i>cold, shoulder snow, yolk</i> ) + <i>boar, four,    furrow, potatoes (final syllable), yellow   </i>
	[ou]	<i>shoulder</i>
	[θu]	<i>snow</i>
/U:/	[u.]	GOOSE (except <i>dew, suet tooth</i> )
	[u]	<i>suet</i>
/Iu/	[iu]	<i>dew</i>
/Ai/	[θi]	WHITE (except <i>hive</i> ) + <i>fire</i>
	[ai]	<i>hive + iron</i>
/Oi/	[ɔi]	OIL
/Au/	[au]	<i>hour</i>
	[ou]	COW + <i>flour</i>
/Iʌ/	[iθ]	<i>ears</i>
/Oʌ/	[oθ]	<i>door</i>

/P/ is lacking in *wasps*

/T/ is dental in *fight, gate, rat, snout, suet, white*; /D/ is dental in *road*

/L/ is clear (except in *cold, saddle*)

/S/ is realised as [s] in *wasps* [wɔs]  
/HW/ appears initially in *wheel, whip, white*

/R/ appears in *morning, pears, boar, finger, hare, mare*. It is rolled or flapped (except in porridge)

/Y/ appears in *hear* but is lacking in *dew*

/F/ is lacking in *trough*. /V/ appears initially in *furrow* /Vɔ:/ (-/F/). /S/ appears initially in *sugar*

/Y/ is lacking in *yeast*

### Dy 19 MARLOES

/ɪ/	[ɪ]	BRIDGE
/ɛ/	[ɛ]	KETTLE, [[ <i>butter</i> (+/ʌ/) ]]
/ʌ/	[a]	APPLES + <i>branch, chaff, draught</i>
	[æ]	<i>ivy</i> (+/ʌi/)
/ʌ/	[ʌ]	<i>butter</i> (+/U/), <i>uncle</i>
	[θ]	<i>onions</i> , [[ <i>butter</i> (+/E/), <i>fire, four, slaughter</i> ]]
	[θ <sup>ɾ</sup> ]	[[ -ER words (except <i>butter, slaughter</i> ) + <i>flour, hear, hour, iron, sugar</i> ]]
/ɔ/	[ɔ]	DOG - <i>nothing, one, colt</i>
/U/	[U]	BULL + <i>butter</i> (-/ʌ/), <i>furrow</i> (+/ɔ:/), <i>jump, none, suck - hoof, tooth</i>
/i/	[i]	SHEEP - <i>hear</i>
/E:/	[ei]	GATE (except <i>bacon, break, tail, take</i> )
	[e:]	<i>break, tail, take</i>
	[e <sup>ɾ</sup> :]	<i>chair</i>
/œ:/	[θ <sup>ɾ</sup> :]	WORK
/E:/	[ɛθ <sup>ɾ</sup> ]	<i>hare</i>
	[eθ <sup>ɾ</sup> ]	<i>mare</i>
	[eθ]	<i>pears</i>
/ʌ/	[a:]	<i>calf, farmer, grass</i>
	[a <sup>ɾ</sup> ]	<i>arm, farthing</i>
/ɔ/	[ɔ <sup>ɾ</sup> :]	<i>forks, morning, walk - furrow</i> (+/U/); <i>boar, four</i>
	[ɔ:]	<i>saw-dust, straw - door</i>
/O/	[ou]	<i>coal, comb, oak, old, road, shoulder, spokes, toad, yolk + trough</i> (+/O/)
	[ɔu]	<i>cold, foal</i>
	[θu]	<i>snow</i>
/U:/	[u:]	GOOSE (except <i>hoof, suet, tooth</i> )
/ʌi/	[æi]	WHITE (except <i>ivy, white</i> ) + <i>fire</i> (-/ai/), <i>iron</i>
	[ai]	<i>white + fire</i> (+/æi/)
/Oi/	[ɔi]	OIL
/Au/	[au]	COW + <i>flour</i>
	[æu]	<i>plough + hour</i>
/ʌʌ/	[iθ <sup>ɾ</sup> ]	<i>ears, year</i>

/Ch/ appears finally in *porridge* (+/ʃ/).

/N/ appears finally in -ING words

/L/ is clear (except in *kettle, thimble, weasel*).

### Dy 20 LLANGWM

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE
/ʌ/	[a]	APPLES + <i>branch, chaff, draught, grass</i>
/ʌ/	[ʌ]	<i>none</i>
	[θ]	[[ -ER words (except <i>farmer, finger</i> ) + <i>fire, flour, iron, nothing, onions, squirrel, Tuesday</i> ]]
	[θ <sup>ɾ</sup> ]	[[ <i>farmer, finger, hour, sugar</i> ]]
/O/	[ɔ]	DOG (except <i>porridge</i> ) + <i>one, onions</i>
/U/	[U]	BULL (except <i>sugar</i> ) - <i>butter, furrow</i> (+/ɔ:/); <i>nothing, suck, uncle, tooth</i>
/I:/	[i:]	SHEEP; [[ -Y words ]]
/E:/	[ei]	GATE (except <i>potatoes</i> )
/œ:/	[œ:]	<i>heard, third</i>
	[θ]	<i>first, ears</i>
	[θ <sup>ɾ</sup> ]	<i>work</i>
/E:/	[ɛ:]	<i>pears</i>
	[ɛ <sup>ɾ</sup> :]	<i>mare</i>
	[ɛθ]	<i>chair</i>
	[ɛθ <sup>ɾ</sup> ]	<i>hare</i>
/ʌ/	[a:]	<i>arm, calf, farmer</i>
	[ɑ:]	<i>farthing</i>
/ɔ:/	[ɔ:]	STRAW (except <i>saw-dust</i> ) + <i>furrow</i> /Vɔ:/ (+/U/); <i>cold, four</i>
	[ɔ <sup>ɾ</sup> :]	<i>boar</i>
/O/	[ou]	FOAL (except <i>cold, snow, toad</i> )
	[ɔu]	<i>snow</i>
/U:/	[u:]	GOOSE (except <i>ewe, tooth</i> ) + <i>sugar, toad</i>
/U/	[u]	<i>ewe</i>
/ʌi/	[ai]	WHITE; FIRE
/Oi/	[oi]	<i>oil, voice</i>
	[ɔi]	<i>boiling</i>
/Au/	[au]	COW (except <i>cow, snout</i> ), HOUR
	[Eu]	<i>cow, snout</i>
/ʌʌ/	[iθ <sup>ɾ</sup> ]	<i>year</i>

/D/ is lacking in *second*.

/N/ appears finally in *boiling, morning, nothing*.

/L/ is clear (except in *apples, bull, coal*).

*foal, oil, squirrel, wheel, wasp*

/V/ appears initially in *furrow* (+/F/)  
/HW/ appears initially in *whip*

/Y/ appears initially in *ears* but is lacking  
in *yeast*

### Dy 21 LAUGHARNE

/I/	[i]	BRIDGE
E:	[ɛ]	KETTLE, [[ <i>suet</i> ]]
A:	[a]	APPLES + <i>branch, calf, chaff, draught, grass</i>
Λ:	[ʌ]	SUCK + <i>put</i>
	[θ]	<i>first</i> , [[ -ER words, <i>chair, fire, flour, hear, hour, iron, onions, shilling, sugar</i> ]]
O	[ɔ]	DOG (except <i>off, trough</i> ) + <i>slaughter-house</i>
U:	[u]	BULL (except <i>put, wool</i> ) + <i>hoof, tooth</i>
I:/	[i:]	SHEEP - <i>hear</i> , [[ <i>buried</i> ]]
E	[ei]	GATE (except <i>drain, gate, weigh</i> ) + <i>hare</i>
	[e:]	<i>drain, gate, weigh</i>
	[ɛi]	<i>chair</i>
ɛ:/	[θ]	<i>third, work</i>
	[æ:]	<i>heard</i>
ɛ:	[ɛ]	<i>mare</i>
	[eθ]	<i>pears</i>
A:/	[a]	<i>arm, farmer, farthing</i>
ɔ:	[ɔ:]	STRAW (except <i>slaughter</i> ), BOAR + <i>off</i>
/O/	[o:]	<i>foal, oak, road, snow, spokes, toad, yolk</i> - <i>furrow</i> (+/Λ/): [[ <i>furrow, potatoes</i> (final syllable), <i>yellow</i> ]]
	[θu]	<i>cold, colt, old, shoulder</i> + <i>trough, cow, snout, thousand</i> + <i>hour</i>
/U:/	[u:]	<i>ewe, goose, root, suet, two</i> + <i>wool; comb</i>
	[uθ]	<i>stool</i>
/Iu/	[iu]	<i>dew, Tuesday</i>
/Ai/	[ai]	WHITE (exc. <i>fight, mice</i> ): FIRE
	[θi]	<i>fight, mice</i> + <i>iron</i> (+/ai/)
/Oi/	[ɔi]	OIL
/Au/	[au]	<i>plough, sow n.</i> + <i>flour</i>
/IΛ/	[iθ]	<i>ears, year</i>
/OΛ/	[oθ]	<i>coal</i>

/D/ is lacking in *second*

/N/ appears finally in -ING words.

/L/ is always clear.

/F/ is lacking in *trough* /V/ appears  
initially in *furrow* (+/F/) /S/ appear-  
medially in *thousand*

/R/ appears finally in *hour, chair, dew*  
*hare* It is always rolled or flapped (except in  
*trough*)

/Y/ is lacking in *yeast, dew, Tuesday*

### Dy 22 FERRYSIDE

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE + <i>pears</i> , [[ <i>porridge, squirrel, suet, sugar</i> ]]
/A/	[a]	APPLES + <i>wasps</i> (+/O/), <i>branch, calf, chaff, draught, farthing, grass</i>
/Λ/	[ʌ]	SUCK
	[θ]	[[ -ER words + <i>fire, flour, hour, onions, rabbits</i> ]]
/O/	[ɔ]	DOG (except <i>porridge</i> ) + <i>four</i>
/U/	[u]	BULL (except <i>butcher</i> ) + <i>tooth</i>
/I:/	[i:]	SHEEP; [[ -Y words, <i>buried</i> ]]
/E:/	[ei]	<i>bacon, clay, drain, lay, potatoes, spade, waistcoat</i>
	[e:]	<i>break, gate, tail, take</i> + <i>hare</i>
/ɛ:/	[θ]	WORK (except <i>heard</i> ) + <i>ears</i>
/ɛ:/	[ɛ:]	<i>chair, mare</i>
/A:/	[a:]	<i>arm, farmer</i>
/ɔ:/	[ɔ:]	STRAW - <i>boar, door</i>
/O:/	[o:]	<i>oak, old, road, spokes</i> - <i>porridge</i> , [[ <i>potatoes</i> (final syllable), <i>waistcoat, yellow</i> ]]
	[ou]	<i>colt, spokes</i>
/U:/	[u:]	GOOSE (except <i>dew, ewe, tooth, Tuesday</i> ) + <i>butcher, comb</i>
/Iu/	[iu]	<i>dew, ewe, Tuesday</i>
/Ai/	[ai]	WHITE (except <i>eye, white</i> ) + <i>fire</i>
	[θi]	<i>weigh</i>
/Oi/	[ɔi]	OIL
/Au/	[θu]	<i>cold, shoulder, snow; COW</i> (except <i>snout</i> ); HOUR
/IΛ/	[iθ]	<i>hear, year</i>
/OΛ/	[oθ]	<i>coal, foal</i>

/N/ appears finally in *boiling, farthing, nothing, shilling*.

/L/ is always clear

/Th/ appears medially in *farthing*, /V/ finally in *sheaf*, /S/ medially in *Tuesday, weasel*, and /HW/ appears initially in *white*.

R appears medially in some words in  
New Zealand but that has been  
supplanted by /r/ in many words

R is lacking in certain words. /r/ appears medially in cars but is lacking in  
crash and Tardis

R appears medially in farming & machinery  
words such as tractor, harrow, plough, wheel,  
whep, wheel

R appears finally in four bunches of terms  
without /r/: butter, chair, door, farmer. Other  
have /r/: hour, hour + form with final vowel,  
more, shoulder, sugar, year. /R/ is always  
rhotic or flapped

R appears medially in cars but is lacking  
in certain words. /r/ is lacking in crash, cars,  
Tardis

**Dy 23 LLANGENNECH**

I	[i]	BRIDGE    sugar
E	[e]	KETTLE - chair    partridge squirrel
A	[a]	APPLES - branch, calf, shaft draught, furlough, grass
U	[ʌ]	SUCK (except jump) - butcher - /r/ - /r/
U	[u]	NUMBER - /r/    -ER words - /r/ - /r/ - /r/ - /r/
O	[ɔ]	DOO (except in words) - /r/
U	[ʊ]	BULL (except pull) - gubb, root, stuck, tumb
I	[i]	SHEEP    -Y words (except try)
E	[e]	break, leg, spade, tail
U	[u]	chair, chair, put, put, wasteful
E	[e]	WORK (except heard)
U	[ʊ]	heard
E	[e]	MARE (except chair)
A	[a]	arm - straw
U	[ʊ]	farmer
U	[ʊ]	forks, morning, walk - /r/
O	[ɔ]	door, door
U	[ʊ]	that, out, road, spikes
U	[ʊ]	one, one, one, one, one that, thousand, one, group white - /r/    HOLE - /r/
U	[ʊ]	straw, /r/    furrow
U	[ʊ]	eye, door, eye - /r/ - /r/
U	[ʊ]	butcher - /r/ - /r/ - /r/
U	[ʊ]	dev, Tuesday
A	[a]	WHITE, OIL - /r/ - /r/
U	[ʊ]	and
U	[ʊ]	saw n.
U	[ʊ]	cars
U	[ʊ]	hear, year - /r/

T is realised as [t] in butter

R appears medially in anchor, and finally  
in -ING words

L is always clear

F is lacking finally in trough, Th

**Dy 24 ANGLE**

I	[i]	BRIDGE    woman
E	[e]	KETTLE
A	[a]	APPLES (except lamb - /r/) orange
U	[ʊ]	number, jump, three, walking unlike
U	[ʊ]	months    rabbits, iron, sugar
U	[ʊ]	-ER words, tire, floor hear
O	[ɔ]	big, try, two, postage, wash, rough, one, out
U	[ʊ]	BULL (except bull - /r/) gubb, out, stuck
U	[ʊ]	SHEEP - break + E - /r/
U	[ʊ]	chair
U	[ʊ]	DATE (except date, news, wasteful - /r/    /r/
U	[ʊ]	break + E - /r/ - /r/ - /r/
E	[e]	WORK (except work)
U	[ʊ]	rear
E	[e]	chair
U	[ʊ]	hare, mare
A	[a]	farmer
U	[ʊ]	arm, furlough - /r/
U	[ʊ]	calf, draught, grass - /r/
U	[ʊ]	straw - /r/, off, wrong
U	[ʊ]	forks, morning, saw-dust, - /r/ - /r/ - /r/ - /r/
O	[ɔ]	cold, comb, oak (- /r/), red, shoulder, snow - /r/
U	[ʊ]	furrow, potatoes (final syllable), yellow
U	[ʊ]	spikes - /r/ - /r/
U	[ʊ]	foul
U	[ʊ]	root, two - /r/ - /r/ - /r/
U	[ʊ]	dev, eye, suit, Tuesday
U	[ʊ]	eye, fight - /r/
U	[ʊ]	mice
U	[ʊ]	boiling, oil

	[oi]	voice
Au/	[Eu]	cow, plough, saw n + hour
	[θu]	snout, thousand, oak, goose
	[au]	flour
IA/	[iθ]	ears
OA/	[θ <sup>T</sup> ]	boar, four

I/ appears finally in *second*

J/ appears medially in *butcher*

N/ appears finally in *farthing, morning, nothing, shilling*

L/ is always clear (except in *bull*)

/V/ appears initially in *furrow*, /Sh/ initially in *chaff* /θ/ is lacking in *with* W/

R appears medially in *iron*, finally in *hour*. It is rolled in *rabbits*.

Y/ is lacking in *ewe, yeast, dew, Tuesday*

	[ɔu]	spokes + pair
	[ɔ]	old
	[θu]	snow
U/	[u]	GOOSE (except <i>goose hoof</i> ) - load (+/O/)
	[U]	hoof
AI/	[ɑ]	fight, flies, hive, white, FIRE + weigh
	[θi]	eye, ivy, mice
Oi/	[oi]	boiling, voice
	[ɔ]	oil
Au/	[au]	plough, thousand + hour
	[Eu]	cow, snout, saw n + flour

/L/ is clear in *cold, colt, shoulder, coal, foal, oil, wheel*

/Th/ appears medially in *farthing*, finally in *with* /S/ appears medially in *Tuesday*

/R/ is rolled in *rat*

/Y/ appears initially in *ears, hear*

### Dy 25 ST FLORENCE

I/	[ɪ]	BRIDGE
E/	[ɛ]	KETTLE
A/	[a]	APPLES + <i>branch, chaff, grass</i>
IA/	[ʌ]	SUCK (except <i>one, onions</i> )
	[θ]	[[ <i>butler, iron, onions, slaughter, suet, sugar, waistcoat</i> (-/O:/), <i>butcher, farmer, finger, fire, flour, hour, ladder</i> ]]
	[θ <sup>T</sup> ]	[[ <i>shoulder</i> ]]
O/	[ɔ]	DOG (except <i>off</i> ) + <i>one, onions, saw-dust</i>
U/	[u]	BULL
I:/	[i:]	SHEEP: [[ -Y words ]]
E:/	[ei]	<i>bacon, clay, lay, potatoes, spade, tail, waistcoat (+[e:])</i>
	[e:]	<i>drain, gate, waistcoat (+[ei])</i>
	[ɛi]	<i>break, take</i>
CE:/	[θ:]	<i>heard, work</i>
	[θ <sup>T</sup> :]	<i>first, third</i>
	[æ:]	EARS
E:/	[ɛ:]	<i>chair, pears</i>
	[ɛ <sup>T</sup> :]	<i>hare, mare</i>
IA/	[a:]	<i>arm, calf, draught, farmer</i>
	[ɑ:]	<i>farthing</i>
ɔ:/	[ɔ:]	STRAW (except <i>saw-dust</i> ) + <i>off, spokes, door, [[ waistcoat ]]</i>
	[ɔ <sup>T</sup> :]	<i>boar</i>
O:/	[ou]	FOAL (except <i>old, snow</i> ,

### West Glamorgan

#### WG 1 GLAIS

I/	[ɪ]	BRIDGE
E/	[ɛ]	KETTLE: [[ <i>squirrel</i> ]]
A/	[a]	APPLES + <i>furrow: wasps, branch, chaff, draught, grass</i>
IA/	[ʌ]	SUCK (except <i>furrow</i> ), [[ <i>butcher, ladder, second, flour, onions</i> ]]
	[θ]	[[ <i>iron</i> ]]
O/	[ɔ]	DOG (except <i>wasps</i> ), [[ <i>yellow</i> ]]
U/	[u]	BULL + <i>spokes (+/O/), tooth, [[ twelve ]]</i>
I:/	[i:]	SHEEP: [[ -Y words ]]
E:/	[e:]	<i>bacon, break, gate, potatoes, spade, take, waistcoat</i>
	[ei]	<i>drain, lay, tail, weigh</i>
	[ɛi]	<i>clay</i>
CE:/	[æ:]	WORK; EARS
E:/	[ɛ]	MARE
IA/	[ɑ:]	<i>calf, farmer, farthing</i>
	[a:]	<i>arm</i>
ɔ:/	[ɔ:]	STRAW
O:/	[o:]	<i>coal, comb, foal, oak, road, spokes (+/U/), load, yolk, BOAR: [[ furrow, waistcoat ]]</i>
	[ou]	<i>cold, colt, shoulder, snow + plough</i>
U:/	[u:]	<i>goose, hoof, root, stool, two</i>

to	[tu]	den ear sur Tuesday
Ai	[ɔ:]	WHITE FIRE
Au	[ɔu]	em snaw thousand em n Hill p
O	[ɔ:]	OIL

P is realised as [p] in *apples*. Th as  
θ in *nothing*. V appears finally in *sheaf*.

N appears finally in -ING words

L is always clear

R appears finally in *boar, butcher, hare, ladder, mare*. It is rolled or flapped in all positions.

Y appears initially in *ears, hear* but is  
acking in *yeast, dew, Tuesday*.

### WG 2 RESOLVEN

I	[i]	BRIDGE.    weasel
E	[ɛ]	KETTLE.    suet
A	[a]	hand, lamb, man, rabbits, rat, saddle, that, thatch + calf (-[σ]), /A/, branch, chaff, draught, farmer.    fire
	[σ]	apples, ladder, calf (-[a], A, I)
	[ɜ]	butter, jump, none, one, onions, suck, uncle + bull butcher, flour, foot, woman, wool.    bacon, butter, iron onions, sugar, woman
	[θ]	furrow, nothing
	[æ]	first
	[æ <sup>T</sup> ]	finger
O	[ɔ]	DOG (except trough, wrong)
	[ɔ]	wrong
U	[u]	put + tooth
I /	[i]	SHEEP    -Y words
L /	[ɛ]	bacon, break, clay, drain, gate, lay, tatoes, waistcoat, weigh + pears
	[ei]	spade, tail, take
/E /	[æ]	heard, work, EARS
/E /	[ɛ]	chair, hare, mare
/A /	[a]	grass + fire /FA YA/
	[σ]	arm, calf (+/A/), farthing
/ɔ /	[ɔ]	STRAW (except forks) + colt, boat, dew
/O /	[o]	cumb, oak, old, road, spokes, road, yolk + forks.    waistcoat, yellow
	[ou]	cold, foal, shoulder, snow    furrow
	[ɔu]	cul + trough

U	[u]	GOOSE (except tooth), sugar
	[aɪ]	fight, flies, fly, mice, white
Ai	[θ]	hive
Au	[au]	plough, snout, sow n thousand + hour
	[θu]	cow + flour
/O /	[ɔ]	OIL
OA	[ouθ]	hour

/P/ is realised as [p] in *apples*, /B/ as [b] in *rabbits*, /D/ as [d] in *ladder*, /M/ as [m] in *thumble, woman*, /N/ as [n] in *onions* (first N), /ŋ/ as [ŋ] in *uncle*, /S/ as [s] in *weasel*, /R/ as [r:] in *furrow, porridge, quarry, squirrel*.

N appears finally in -ING words

L is always clear

D appears medially in *nothing*, /S medially in *thousand, Tuesday, weasel*, and finally in *cheese*.

/R/ appears medially in *farmer, iron, pears*, finally in *boar, butcher, door, farmer, hare, hear, hour, ladder, mare*. It is rolled or flapped (except in *wrong, grass, pears: hear, mare*).

Y appears initially in *ears* and in *hear*.

### WG 3 LLANGENNITH

/I /	[i]	BRIDGE.    second
/E /	[ɛ]	KETTLE + waistcoat:    suet
/A /	[a]	APPLES - wasps, branch, grass chaff.    shoulder
/A /	[ʌ]	SUCK (except one, jump, uncle) + trough.    onions
	[θ]	FIRE, HOUR
	[æ]	hear
/O /	[ɔ]	DOG (except trough, wasps) + one, uncle, colt
/U /	[u]	BULL + jump, hoof, tooth
/I /	[i]	SHEEP + hear;    -Y words
/E /	[ɛ]	break, clay, drain, lay, potatoes, tail, take
	[ei]	weigh
	[e]	bacon
/E /	[θ]	first, third, work + year
	[æ]	ears
/E /	[ɛ]	MARE + spade, heard
	[ɛθ]	hare
/A /	[ɑ]	arm, calf, farmer, farthing
	[a]	draught
/ɔ /	[ɔ]	STRAW + coal, oak, road, spokes (+/O/), yolk, boat.



		<i>four</i>
O	[ou]	<i>cold comb, old shoulder snow</i>
	[o]	<i>load</i>
	[ou]	<i>spoke...</i>
U /	[u]	<b>GOOSE</b> (except <i>hoof, tooth</i> )
	[u]	<i>snout + foal</i>
Ai	[ai]	<i>flies hive ivy mice + iron</i>
	[θi]	<i>fight, white + fire</i>
Au	[au]	<i>cow, plough, son n., thousand (-[θu]). HOUR</i>
	[θu]	<i>thousand (-[au])</i>
Oi	[ɔi]	<i>oil, voice</i>
	[oi]	<i>boiling</i>
OA	[ɔθ]	<i>door</i>

/B appears initially in *potatoes*

N appears finally in -ING words

L is clear in *cold, colt, shoulder, bull, coal, foal, wool*

Th appears finally in *with*

R is rolled or flapped in *wrong, drain, draught*

/Y/ appears initially in *ears* (- form without /Y/) but is lacking in *yeast*

**WG 4 LLANRHIDIAN**

I	[i]	<b>BRIDGE</b>
/E/	[ɛ]	<b>KETTLE</b> , [[ <i>squirrel, suet</i> ]]
/A	[a]	<b>APPLES</b> + <i>branch, chaff, draught</i> (- [ɑ]), <i>grass draught</i> (+[a])
/A/	[ʌ]	<b>SUCK</b> (except <i>one, jump</i> ), [[ <i>second</i> ]]
	[θ]	[[ <b>FIRE, HOUR</b> ]]
/O/	[ɔ]	<b>DOG</b> + <i>one</i> , [[ <i>potatoes</i> (initial syllable) ]]
/U/	[u]	<b>BULL</b> + <i>hoof</i>
/I/	[i]	<b>SHEEP</b> , [[ -Y words ]]
/E/	[ei]	<b>GATE</b> (except <i>bacon, break, gate</i> )
	[e]	<i>bacon, break, gate</i>
	[e <sup>T</sup> ]	<i>hare</i>
/œ/	[θ]	<b>WORK</b> + <i>year</i>
	[œ]	<i>hear</i>
/ɛ/	[ɛ]	<i>chair, mare, pears</i>
/A/	[ɑ]	<i>arm, calf, farmer, farthing</i>
/ɔ/	[ɔ]	<b>STRAW, BOAR</b> + <i>coal, comb road, spokes, toad, yolk</i>
/O/	[ou]	<i>cold, colt, foal, old, shoulder, snow</i>

	[ɔu]	<i>rod + snout son n. trough</i>
U	[u]	<i>grike ray tree ure ure</i>
	[u]	<i>sign</i>
Iu	[iu]	<i>den Tuesday</i>
Ai	[ai]	<i>eye hive ivy mice white</i>
		<b>FIRE</b>
	[ai]	<i>light</i>
/Au/	[au]	<i>cow, plough thousand HOUR</i>
Oi	[oi]	<b>OIL</b>
/A/	[iθ]	<b>ears</b>

/N/ appears finally in -ING words

/L/ is clear in *cold, colt, shoulder, twelve coal, foal, oil, stool, tail, weasel*

/F/ is lacking in *trough TRO* but a form 'TROX' is also recorded /S/ appears medially in *Tuesday*

R appears finally in *hear, flour* it is rolled in *draught, bear*

/Y/ appears in *hear* but is lacking in *yeast dew*

**WG 5 HORTON**

I	[i]	<b>BRIDGE</b> (except <i>bitch + sheaf</i> )
/E/	[ɛ]	<b>KETTLE</b> (except <i>deaf</i> )
/A/	[a]	<b>APPLES</b> (except <i>hand</i> ) + <i>wasps, branch, chaff, draught, grass</i>
	[ɑ]	<i>hand</i>
/A/	[ʌ]	<b>SUCK</b> (except <i>one</i> ), [[ <i>butter, onions, squirrel</i> ]]
	[ʌ <sup>T</sup> ]	[[ <i>finger, ladder</i> ]]
	[θ]	[[ <i>four, iron</i> ]]
	[θ <sup>T</sup> ]	[[ <i>buicher, fire, flour, hear, sugar</i> ]]
	[œ]	[[ <i>hour</i> ]]
/O/	[ɔ]	<b>DOG</b> (except <i>trough, wasps + one, colt, saw-dust</i> )
/U/	[u]	<b>BULL</b> + <i>tooth</i>
/I/	[i]	<b>SHEEP</b> (except <i>grease, sheaf + bitch, deaf</i> , [[ <i>holly, ivy</i> ]]
/E/	[e]	<i>bacon, break, drain, take, wastcoat</i>
	[ei]	<i>clay, weigh</i>
	[ei]	<i>grease, lay, mare</i>
/œ/	[œ]	<i>heard, work</i>
	[θ <sup>T</sup> ]	<i>first, third</i>
/ɛ/	[ɛ]	<i>chair, pear + gate, spade</i>
	[eθ]	<i>hare</i>
/A/	[ɑ]	<i>arm, farmer, farthing</i>
	[a]	<i>calf</i>
/ɔ/	[ɔ]	<b>STRAW</b> + <i>coal comb, foal</i>

		<i>road, spokes, toad, volk, stool</i>
O	[ɔʔ]	hoar
	[o]	oist
	[ou]	oak, snow, trough
U	[ɔu]	old
	[u]	goose, root
Iu	[ʊ]	hoof, two
	[iu]	dew, suet, Tuesday
Ai	[a]	hive, ivy, mice
	[oi]	eye, FIRE
	[ði]	fight, flies, white
Au	[au]	plough, snout, sow n., thousand + shoulder, ewe, four, HOUR
	[æu]	cow
/O/	[ɔ]	OIL
/A/	[iθʔ]	ears, hear, year
/OA/	[ɔθ]	door

D is dental in *buried*

N appears medially in *uncle*, and finally in -ING words

L is clear in *cold, shoulder, twelve, squirrel, weasel*, and dark in *shilling*

/F/ is lacking in *trough*; /V/ appears initially in *four*, /Th/ medially in *farthing*, and S medially in *Tuesday*

R, appears finally in *hare*

Y appears medially in *mare* /ME.YA/ but is lacking in *yeast* (+ form with /Y/)

### WG 6 BISHOPSTON

I	[ɪ]	BRIDGE - <i>kettle, sheaf</i> , [[ <i>squirrel, waistcoat</i> ]]
E	{E}	KETTLE (except <i>kettle</i> )
A/	[a]	<i>apples, hand, lamb, man, rat,</i> <i>saddle, that, thaich + wasps,</i> <i>branch, draught</i>
/A/	[ʌ]	SUCK (except <i>onions</i> ), [[ <i>second</i> ]]
	[ʌʔ]	[[ <i>ladder</i> ]]
	[θ]	[[ <i>hear, iron, pears, suet</i> ]]
	[θʔ]	[[ HOUR: <i>butcher, butter, far-</i> <i>mer, finger, fire, sugar</i> ]]
/O/	[ɔ]	<i>cross, dog, holly, off, porridge,</i> <i>quarry, wash, wrong + rabbits,</i> <i>onions, waistcoat, colt</i>
U/	{U}	BULL + <i>fox, tooth</i>
I/	[i]	SHEEP (except <i>sheaf</i> ), [[ -Y words, <i>Tuesday</i> ]]
	[e]	<i>bacon, drain, gate, spade +</i> <i>yeast (+/I:/)</i>

	[ei]	<i>tail, break, clay, lay, weigh,</i> <i>pears</i>
E	[æ]	<i>third, work, year</i>
	[θ]	<i>first</i>
	[θʔ]	<i>heard</i>
/E/	[ɛ]	<i>chair</i>
	[ɛθ]	<i>hare</i>
/A/	[eθ]	<i>mare</i>
	[ɑ]	<i>farmer, farthing, grass</i>
/ɑʔ/	[ɑʔ]	<i>calf</i>
	[a:]	<i>arm, chaff</i>
/ɔ:/	[ɔ]	STRAW + <i>comb, road, spokes,</i> <i>toad, yolk</i>
	[ɔʔ]	<i>boar, four</i>
/O/	[ou]	<i>cold, shoulder, old, trough</i>
	[o]	<i>foal</i>
/ɔu/	[ɔu]	<i>coal, oak, snow</i>
	[u]	<i>goose, root, two, hoof, stool,</i> <i>Tuesday</i>
	[U:]	<i>ewe</i>
/Iu/	[iu]	<i>dew</i>
/Ai/	[oi]	<i>eye, mice, white, FIRE</i>
	[ði]	<i>fight, flies, hive, ivy</i>
/Au/	[au]	<i>cow, plough, snout, sow n.,</i> <i>thousand: HOUR</i>
	/O/	[ɔ]
	[oi]	<i>boiling, oil</i>
/Iʌ/	[iθ]	<i>ears, hear, wheel</i>
/OA/	[ɔθ]	<i>door</i>

/T/ is lacking in *first*.

/N/ appears finally in -ING words

/L/ is clear in *cold, colt, coal, oil, stool, tail*; and dark in *flour, holly, shilling*

/F/ is lacking in *trough*; /V/ appears initially in *furrow*, /Th/ medially in *farthing*, /S/ medially in *thousand*.

/R/ is rolled initially, and medially in *branch, bridge, quarry, squirrel*.

/Y/ is lacking in *yeast* (+/Y/); *dew*.

## Mid Glamorgan

### MG 1 PENDERYN

/I/	[ɪ]	BRIDGE
/E/	{E}	KETTLE; [[ <i>thousand</i> ]]
/A/	[a]	APPLES + <i>wasps: branch,</i> <i>chaff, grass; [[ woman</i> <i>(+/A:/) ]]</i>
	/A/	[ʌ]

*finger, fire, iron, ladder, potatoes (first syllable), second, squirrel, sugar, weasel, woman (+/A/) ]]*

O/	[ɔ]	DOG (except wasps)
U	[ʊ]	BULL + tooth
/I/	[i:]	SHEEP, [ -Y words ]]
/E:/	[ei]	clay, break, drain, lay, tail waistcoat, weigh bacon, gate, spade, take
/E:/	[æ]	WORK, EARS
/E/	[ɛ]	MARE
/A:/	[a:]	arm, calf, draught
	[ɑ]	farmer, farthing
ɔ:/	[ɔ:]	STRAW (except forks) + door
/O/	[o:]	coal, foal, oak, road, spokes, toad, yolk, comb + forks, boar, four old, shoulder, snow
	[ou]	cold, colt
/U:/	[u:]	GOOSE (exc. dew, ewe, suet, tooth, Tuesday), [   white ]]
Iu	[iu]	dew, ewe, suet, Tuesday
Ai/	[θi]	WHITE; FIRE
/Au/	[θu]	COW; HOUR
/Oi/	[ɔi]	OIL

/L/ is always clear.

/V/ appears finally in *calf*

/R/ appears in *forks, pears, boar, butcher, hare, iron, ladder, mare*. It is rolled or flapped (except in *wrong; break, buried, cross, draught, porridge*)

/W/ is lacking in *wool*; /HU/ appears initially in *white*. /Y/ appears initially in *ears*, medially in *hear, heard*, but is lacking in *yeast, dew*.

**MG 2 PORTH**

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + wasps; chaff
	[ɑ]	man (+ a )
/ʌ/	[ʌ]	SUCK; [   butter, farmer, finger, fire, flour, iron, ladder, onions, potatoes (first syllable), second, squirrel, suet, woman ]]
	[θɪ]	[   sugar ]]
/O/	[ɔ]	DOG (except dog, trough, wasps)
	[ɔ]	dog, trough
/U/	[ʊ]	BULL (exc. butcher) + tooth
/I:/	[i:]	SHEEP (except grease, weeds,

		wheel), [ -Y words]]
E/	[e]	bacon, gate, spade, break, drain, waistcoat + hare, mare, pears (+/E/), ]]
	[ei]	clay, tail, take
	[ɛi]	lay, weigh
/E/	[æ]	WORK, EARS
E/	[ɛ]	chair, pears (+/E/)
/ʌ/	[ʌ]	ARM (except chaff)
/ɔ/	[ɔ]	STRAW (exc. straw) + four
/O/	[o:]	coal, foal, oak, road, spoke, toad, volk, comb, shoulder + wool (+/U/)
	[ɔu]	cold, colt, old, snow
/U/	[u:]	GOOSE (except ewe, suet, tooth) - door
/Iu/	[iu]	ewe, suet
/Ai/	[θi]	WHITE (except eye, ivy) - fire
	[ai]	eye - iron
/Au/	[θu]	COW (exc. snout), HOUR
/Oi/	[ɔi]	OIL (except voice)
	[Di]	voice
/Iʌ/	[iθ]	wheel
/Oʌ/	[ɔθ]	boar

/P/ is realised as [p:] in *apples*; /B/ as [b] in *rabbits*; /D/ as [d.] in *ladder*. /ŋ/ as [ŋ] in *finger, uncle*; /R/ as rolled [r] in *porridge, quarry*.

/N/ appears finally in *boiling, tarthing*

/L/ is always clear (except in *foal*)

/V/ appears finally in *calf* /S/ appears initially in *sugar*

/R/ appears finally in *door, sugar*. It is rolled or flapped (except in *draught, grease, straw, sugar*)

/W/ is lacking in *woman*. /Y/ appears initially in *ears* but is lacking in *yeast*

**MG 3 ST BRIDE'S MAJOR**

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE, [   squirrel, suet ]]
/A/	[a]	APPLES (except man) + wasps, branch, chaff (+/A/)
	[æ]	man
/ʌ/	[ʌ]	SUCK (except onions)
	[θ]	onions [   flour, -ER words ]]
/O/	[ɔ]	DOG (except trough, wasps)
/U/	[ʊ]	BULL + tooth
/I:/	[i:]	SHEEP, [ -Y words, Tuesday ]]
/E:/	[e:]	bacon, gate, spade, break,

		take waistcoat
/ɛ:/	[ei]	clay, tail, drain, lay, weigh
/œ:/	[œ]	WORK EARS
/ɛ:/	[ɛ]	MARE
/ɑ:/	[a]	arm, calf, draught, farmer, farthings, chaff (+/ʌ/)
/ɔ:/	[ɔ]	STRAW + yolk (+/O/)
/O:/	[o]	coal, foal, oak, road, spokes, toad, yolk (+/ɔ/), BOAR
	[ou]	cold, colt, old, shoulder, snow + trough
/U:/	[u]	goose, hoof, root, stool, two + comb
/u:/	[iu]	dew, ewe, suet, Tuesday
/Ai:/	[θi]	WHITE, FIRE
/Au:/	[au]	COW, HOUR
/Oi:/	[ɔi]	OIL

T: appears finally in *second*

N: appears finally in -ING words

/L/ is clear in *colt, bull, coal, foal, oil, stool, tail, wheel, wool, dark* in *flour, holly*

/F/ is lacking in *trough*; /HW/ appears initially in *white*

R: is rolled in *trough*

Y: appears initially in *ears, hear* but is lacking in *yeast, dew, Tuesday*

## South Glamorgan

### SG 1 LLANGAN

/I:/	[i]	BRIDGE
/E:/	[ɛ]	KETTLE, [[ <i>squirrel</i> ]]
/A:/	[a]	APPLES - wasps: <i>branch, chaff, draught, grass</i>
/ʌ/	[ʌ]	SUCK
	[θ]	onions (+/ʌ/); [[ <i>iron, suet</i> ]]
	[œ]	[[ <i>finger</i> ]]
/O:/	[ɔ]	DOG (except <i>trough, wasps</i> )
/U:/	[u]	BULL + <i>tooth</i>
/I:/	[i:]	SHEEP, [[ -Y words, <i>Tuesday</i> ]]
/E:/	[e:]	bacon, break, gate (+/ei/), spade, tail, take, waistcoat
	[ei]	clay, drain, gate (+/e:/), lay, weigh
/œ:/	[œ]	WORK, EARS
/ɛ:/	[ɛ]	MARE
/A:/	[a:]	arm, father
	[ɑ:]	farthing
/ɔ:/	[ɔ]	STRAW

/O/	[o]	coal, foal, oak, road, comb, spokes, toad, yolk + trough BOAR
	[ou]	cold, colt, old, shoulder, snow
/U/	[u:]	GOOSE (except <i>suet, tooth, dew, ewe, Tuesday</i> )
/Iu/	[iu]	dew, ewe, suet, <i>Tuesday</i>
/Ai/	[θi]	WHITE, FIRE
/Au/	[θu]	COW, HOUR
/Oi/	[ɔi]	OIL

/P/ is realised as [p:] in *apples* (+[p]), /T/ as [t:] in *butter*, /G/ as [g:] in *sugar* (+[g]), /L/ as [l:] in *holly* (+[l]), *yellow*.

/N/ appears finally in -ING words

/F/ is lacking in *trough*

/R/ appears finally in *boar*. It is rolled or flapped in *rat, road, root, wrong* (+ fricative [r]), *break, bridge* (- fricative [r]), *drain, porridge*

/W/ is lacking in *woman*. /Y/ appears initially in *ears* and in *hear* but is lacking in *ewe, yeast, dew*

### SG 2 PETERSTON-SUPER-ELY

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + wasps: <i>branch, chaff, draught, grass</i>
/ʌ/	[ʌ]	SUCK (except <i>butter</i> )
	[θ]	<i>butter</i> ; [[ <i>saw-dust, suet</i> ]]
/O/	[ɔ]	DOG (except <i>trough, wasps</i> )
/U/	[u]	BULL + <i>tooth</i>
/I:/	[i:]	SHEEP: [[ <i>holly, quarry, Tuesday</i> ]]
/E:/	[e:]	bacon, break, spade, take, waistcoat
	[ei]	clay, drain, lay, tail, weigh
/œ:/	[œ:]	WORK; EARS
/ɛ:/	[ɛ:]	MARE
/A:/	[a:]	arm, farmer, farthing
/ɔ:/	[ɔ:]	STRAW
/O:/	[o:]	coal, foal, comb, oak, road, spokes, toad, yolk; + trough; BOAR
	[ou]	cold, colt, old, shoulder, snow
/U:/	[u:]	GOOSE (except <i>tooth, dew, ewe, suet, Tuesday</i> )
/Iu/	[iu]	dew, ewe, suet, <i>Tuesday</i>
/Ai/	[θi]	WHITE; FIRE
/Au/	[θu]	COW; HOUR
/Oi/	[ɔi]	OIL

/I/ appears finally in *second*

/N/ appears finally in -ING words

/F/ is lacking in *trough*

/R/ appears finally in *boar, mare*. It is rolled or flapped in *root, bridge*

/W/ is lacking in *woman*. /Y/ appears initially in *ears* and in *hear* but is lacking in *ewe, yeast, dew*.

### SG 3 LLANTWIT MAJOR

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE; [[ <i>squirrel</i> ]]
/A/	[a]	APPLES + <i>branch, chaff</i>
Λ	[ʌ]	SUCK
	[θ]	[[ <i>saw-dust</i> ]]
/O/	[ɔ]	DOG (except <i>cross</i> )
/U/	[ʊ]	BULL + <i>tooth</i>
/I:/	[i:]	SHEEP; [[ <i>ivy, quarry</i> ]]
/E:/	[e:]	<i>bacon, break, spade, gate, take, waistcoat</i>
	[ei]	<i>clay, drain, lay, tail, weigh</i>
/E:/	[æ:]	WORK; EARS
/E:/	[ɛ:]	MARE
/A:/	[a:]	<i>arm, draught, farmer, farthing</i>
/ɔ:/	[ɔ:]	STRAW + <i>cross</i>
/O/	[o]	<i>coal, foal, oak, road, toad, yolk, comb - trough; BOAR</i>
	[ou]	<i>cold, colt, old, shoulder, snow, spokes</i>
/U:/	[u:]	GOOSE (except <i>suet, tooth; dew, ewe, Tuesday</i> )
/Iu/	[ɪu]	<i>dew, ewe, suet, Tuesday</i>
/Ai/	[θi]	WHITE + <i>fire</i>
/Au/	[θu]	COW; HOUR
/Oi/	[ɔi]	OIL

/N/ appears finally in *farthing, nothing*.

/F/ is lacking in *trough*

/V/ is realised as [v:] in *ivy*; /R/ as long fricative [r:] in *quarry*.

/R/ appears finally in *boar*. It is rolled in *grease*

/Y/ appears initially in *ears* and in *hear* but is lacking in *dew, Tuesday*.

### SG 4 LLANCARFAN

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + <i>wasps, branch, chaff, grass</i>
Λ	[ʌ]	SUCK
	[θ]	[[ <i>saw-dust, farmer (+[θ<sup>T</sup>])</i> ]]
	[θ <sup>T</sup> ]	[[ <i>butter, farmer (+[θ])</i> ]]
/O/	[ɔ]	DOG (except <i>trough, wasps</i> )
/U/	[ʊ]	BULL + <i>tooth</i>
/I:/	[i:]	SHEEP; [[ <i>holly, quarry</i> ]]
/E:/	[ei]	<i>clay, drain, lay, weigh, tail, waistcoat</i>
	[e:]	<i>bacon, break, gate, spade, take</i>
/E:/	[æ:]	WORK (except <i>heard</i> ) + EARS
	[æ <sup>T</sup> ]	<i>heard</i>
/E:/	[ɛ:]	MARE
/A:/	[a:]	<i>arm, draught, farmer, farthing</i>
/ɔ:/	[ɔ:]	STRAW
/O:/	[o:]	<i>coal, foal (+[ou]), oak, road, toad, spokes, yolk; BOAR</i>
	[ou]	<i>cold, colt, old, comb, foal (+[o:]); shoulder, snow - trough</i>
/U:/	[u:]	GOOSE (except <i>tooth, dew, ewe, suet, Tuesday</i> )
/Iu/	[ɪu]	<i>dew, ewe, suet, Tuesday</i>
/Ai/	[θi]	WHITE + <i>fire</i>
/Au/	[θu]	COW; HOUR

/N/ appears finally in *nothing, shilling*

/F/ is lacking in *trough*

/R/ is rolled in *road* (+ fricative [r]), *branch, squirrel*

/Y/ appears initially in *ears* and in *hear* but is lacking in *yeast, dew*

## Gwent

### Gw 1 PANDY

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + <i>wasps; branch, chaff, draught, grass</i>
Λ	[ʌ]	SUCK; [[ <i>iron, second, squirrel</i> ]]
	[θ <sup>T</sup> ]	[[ -ER words; <i>sugar</i> ]]
	[θ]	<i>thimble</i>
/O/	[ɔ]	DOG (except <i>cross, off, trough, wasps</i> )
/U/	[ʊ]	BULL + <i>comb, tooth</i>

/I:/	[i]	SHEEP (except <i>wheel</i> ); [[ -Y words + <i>buried, Tuesday</i> ]]
/E:/	[ei]	GATE (except <i>bacon</i> )
	[e]	<i>bacon</i>
/E:/	[æ]	<i>ears, hear</i>
	[θ <sup>T</sup> ]	WORK, <i>year</i>
/E:/	[ε]	<i>chair, mare</i>
	[εθ]	<i>hare, mare</i>
/A:/	[a:]	<i>arm, calf, farthing</i>
	[a <sup>T</sup> ]	<i>farmer</i>
/ɔ:/	[ɔ:]	STRAW + <i>cross, off, road; boar</i>
/O:/	[o:]	<i>coal, oak, toad, ewe</i>
	[ou]	<i>cold, colt, foal, old, shoulder, snow, spokes, yolk + trough</i>
/U:/	[u:]	GOOSE (except <i>ewe, stool, tooth</i> )
	[uθ]	<i>stool</i>
/Ai:/	[ði]	WHITE; FIRE
/Au:/	[θu]	<i>cow, plough, snout, sow n., thousand, HOUR</i>
/Oi:/	[ɔi]	OIL
/IΛ/	[iθ]	<i>wheel</i>
/OΛ/	[oθ]	<i>door</i>

/N/ appears finally in -ING words.

/L/ is clear in *cold, colt, old, shoulder, twelve, coal, foal, oil, squirrel, stool, tail, thimble, uncle, wheel*.

/F/ is lacking in *trough*; /S/ appears initially in *sugar*.

/Y/ appears initially in *ears, hear*.

### Gw 2 MANMOEL

/I/	[i]	BRIDGE
/E/	[ε]	KETTLE
/A/	[a]	APPLES (except <i>man</i> ) + <i>wasps, chaff, draught, grass</i>
/Λ/	[Λ]	SUCK (except <i>furrow</i> ); [[ <i>butter, farmer, onions, second, sugar</i> ]]
	[θ]	<i>furrow</i> ; [[ <i>suet</i> ]]
/O/	[ɔ]	DOG (except <i>wash, wasps</i> )
/U/	[u]	BULL (except <i>sugar</i> ) + <i>tooth</i>
/I:/	[i:]	SHEEP; [[ -Y words ]]
/E:/	[ei]	<i>lay, weigh, clay, drain,</i>
		<i>gate, spade, tail</i>
	[e:]	<i>bacon, break, take, waistcoat</i>
/E:/	[æ:]	WORK; EARS
/E:/	[ε:]	<i>hare, mare, pears</i>
	[εθ]	<i>chair</i>
/A/	[a:]	<i>arm, calf, farmer, farthing + man</i>
/ɔ:/	[ɔ:]	STRAW + <i>wash</i>

/O:/	[o:]	FOAL (except <i>foal</i> ); BOAR, [[ <i>furrow, waistcoat</i> ]]
	[ou]	<i>foal</i>
/U:/	[u:]	<i>ewe, goose, root, stool, suet, Tuesday, two; sugar</i> ; [[ <i>weeds, white</i> ]]
	[U:]	<i>hoof (+/U/)</i>
/U/	[iu]	<i>dew</i>
/Ai/	[ai]	WHITE (except <i>mice, iron</i> ) + <i>fire</i>
	[θi]	<i>mice, iron</i>
/Au/	[θu]	<i>plough, snout, sow n.; flour</i>
	[au]	<i>cow, thousand; hour</i>
/Oi/	[ɔi]	OIL

/N/ appears finally in -ING words.

/L/ is clear (except in *weasel*).

/W/ is lacking in *weeds, white*, which have initial /U:/.

/R/ is rolled or flapped initially in initial and medial syllables (except in *porridge*), also in *branch, bridge, drain, draught, grass, grease, straw, trough*.

/Y/ appears initially in *ears* and in *hear* but is lacking in *dew*.

### Gw 3 LLANOFER

/I/	[i]	BRIDGE
/E/	[ε]	KETTLE
/A/	[a]	APPLES + <i>wasps; branch, chaff, draught, grass</i>
/Λ/	[Λ]	SUCK; [[ <i>butter, fire, furrow, iron, onions, squirrel</i> ]]
	[θ <sup>T</sup> ]	[[ <i>farmer</i> ]]
/O/	[ɔ]	DOG (except <i>trough, wasps</i> ) + <i>saw-dust</i>
/U/	[u]	BULL + <i>comb; hoof, tooth</i>
/I:/	[i:]	SHEEP (except <i>key</i> ); [[ <i>buried; -Y words</i> ]]
	[ii]	<i>key</i>
/E:/	[ei]	GATE (except <i>gate, spade, waistcoat</i> )
	[e:]	<i>gate, spade, waistcoat</i>
/E:/	[æ:]	WORK; EARS
/E:/	[ε:]	MARE
/A:/	[a:]	<i>arm, calf, farmer, farthing</i>
/ɔ:/	[ɔ:]	STRAW (except <i>saw-dust</i> )
/O:/	[o:]	<i>coal, foal, oak, road, spokes, toad, yolk; BOAR</i>
	[ou]	<i>cold, colt, old, shoulder, snow + trough</i>

/U/	[u]	goose, root, stool, two
/Iu/	[iu]	dew, ewe, Tuesday
/Ai/	[θi]	WHITE, FIRE
/Au/	[θu]	COW, HOUR
/Oi/	[ɔi]	OIL

/T/ appears initially in 'atoes 'potatoes'.

/N/ appears finally in *farthing*. /Ng/ finally in *bacon*.

/F/ is lacking in *trough*. /V/ appears initially in *furrow*, finally in *calf*.

/R/ is rolled or flapped in *rabbits*; *bridge*, *furrow*, *grease*, *porridge*, *quarry*, *squirrel*, *four*.

/W/ is lacking in *woman* (+/W/). /Y/ appears initially in *ears* (+ form with initial vowel) and in *hear*, but is lacking in *dew*, *Tuesday*.

#### Gw 4 ROCKFIELD

/I/	[i]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + <i>branch</i>
/ʌ/	[ʌ]	SUCK (except <i>furrow</i> ): [[ <i>onions</i> ]]
	[θ]	<i>furrow</i>
	[θ <sup>T</sup> ]	[[ -ER words: <i>fire</i> , <i>sugar</i> , <i>yellow</i> ]]
/O/	[ɔ]	DOG (except <i>trough</i> )
/U/	[u]	BULL + <i>comb</i> ; <i>hoof</i> , <i>tooth</i>
/I:/	[i:]	SHEEP: [[ -Y words; <i>Tuesday</i> , <i>buried</i> ]]
/E:/	[ei]	GATE
/æ:/	[æ <sup>T</sup> ]	WORK; EARS
/ɛ:/	[ɛθ <sup>T</sup> ]	<i>hare</i> , <i>mare</i> , <i>pears</i>
	[ɛ:]	<i>chair</i>
/A:/	[a <sup>T</sup> ]	<i>arm</i> , <i>calf</i> , <i>farmer</i> , <i>farthing</i>
	[a:]	<i>chaff</i> , <i>draught</i> , <i>grass</i>
/ɔ:/	[ɔ <sup>T</sup> ]	STRAW + <i>boar</i> , <i>four</i>
/O:/	[ou]	FOAL (except <i>comb</i> ) + <i>trough</i> ; [[ <i>waistcoat</i> , <i>furrow</i> ]]
/U:/	[u:]	GOOSE (except <i>hoof</i> , <i>tooth</i> )
/Ai/	[ai]	WHITE; FIRE
/Au/	[au]	COW; HOUR
/Oi/	[ɔi]	OIL
/Oʌ/	[ɔθ]	<i>door</i>

/N/ appears finally in -ING words.

/L/ is clear in *coal*, *cold*, *colt*, *old*, *twelve*; *oil*.

/F/ is lacking in *trough*. /V/ appears initially in *furrow*

/Y/ appears initially in *ears* and in *hear* but is lacking in *yeast*.

#### Gw 5 USK

/I/	[i]	BRIDGE. [[ <i>onions</i> (final syllable) ]]
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + <i>branch</i> , <i>grass</i>
/ʌ/	[ʌ]	SUCK
	[θ]	[[ -ER words (except <i>finger</i> , <i>shoulder</i> ), <i>fire</i> , <i>flour</i> , <i>hour</i> , <i>iron</i> , <i>potatoes</i> (final syllable), <i>sugar</i> ]]
	[θ <sup>T</sup> ]	[[ <i>finger</i> , <i>hear</i> , <i>shoulder</i> ]]
/O/	[ɔ]	DOG
/U/	[u]	BULL + <i>comb</i> , <i>hoof</i> , <i>tooth</i>
/I:/	[i:]	SHEEP + <i>hear</i> ; [[ -Y words ]]
/E:/	[ei]	GATE (except <i>spade</i> )
	[e:]	<i>spade</i>
/æ:/	[æ:]	WORK + <i>hear</i>
/ɛ:/	[ɛ:]	<i>chair</i> , <i>mare</i>
	[ɛθ <sup>T</sup> ]	<i>hare</i> , <i>pears</i>
/A:/	[a:]	ARM (except <i>branch</i> , <i>grass</i> )
/ɔ:/	[ɔ:]	STRAW + <i>door</i>
/O:/	[ou]	FOAL (except <i>foal</i> , <i>comb</i> , <i>road</i> )
	[o:]	<i>foal</i> , <i>road</i> , <i>bour</i> , <i>four</i> ; [[ <i>yellow</i> ]]
/U:/	[u:]	goose, root, stool, suet.
/Iu/	[iu]	dew, ewe, Tuesday + two
/Ai/	[θi]	WHITE
/Oi/	[ɔi]	OIL
/Au/	[θu]	cow, snout
	[au]	plough
/Iʌ/	[iθ <sup>T</sup> ]	ears

/N/ appears finally in *morning*; /Ng/ appears finally in *bacon*.

/L/ is clear in *saddle*, *wheel*, dark in *flour* (side-by-side with clear /L/).

/V/ appears finally in *calf*.

/R/ is rolled in *buried*.

/Y/ appears in *heard* but is lacking in *yeast*; *dew*, *Tuesday*.

**Gw 6 TINTERN**

/I/	[ɪ]	BRIDGE, [[ waistcoat ]]
/E/	[ɛ]	KETTLE + waistcoat
/A/	[a]	APPLES + wasps, grass (+ /A /), branch
/ʌ/	[ʌ]	SUCK, [[ onions ]]
	[θ <sup>T</sup> ]	[[ -ER words, fire, flour, hour, iron, sugar ]]
/O/	[ɔ]	DOG (except wasps, trough)
/U/	[u]	BULL + hoof, tooth
/I:/	[i:]	SHEEP; [[ -Y words, buried, Tuesday ]]
/E:/	[ei]	GATE (except waistcoat)
/œ:/	[œ <sup>T</sup> ]	WORK + ears, hear
	[æ]	year
/E:/	[ɛ <sup>T</sup> ]	chair, mare
	[ɛθ <sup>T</sup> ]	hare, pears
/A/	[a]	chaff, draught, grass (+ /A /)
	[a <sup>T</sup> ]	arm, calf, farmer, farthing
/ɔ:/	[ɔ <sup>T</sup> ]	STRAW, BOAR
/O:/	[ou]	FOAL + trough
/U:/	[u:]	GOOSE (except hoof, stool, tooth)
/Ai/	[θi]	WHITE (except ivy), FIRE
/Au/	[θu]	COW, HOUR
/Oi/	[ɔi]	OIL

/N/ appears finally in -ING words.

/L/ is clear in *cold, colt, shoulder, twelve, bull, coal, foal, squirrel*, dark in *boiling*

/F/ is lacking in *trough*.

/W/ is lacking in *woman* (-/W/). /Y/ appears initially in *ears, hear* and medially in *heard*.

**Gw 7 LLANDDEWI FACH**

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE
/A/	[a]	APPLES + wasps, branch, chaff, draught
/ʌ/	[ʌ]	SUCK + thimble (+/I/); [[ iron, onions, squirrel ]]
	[θ]	[[ -ER words: flour, hour, rabbits, suet, sugar ]]
/O/	[ɔ]	DOG (except wasps)
/U/	[u]	BULL + comb: hoof, tooth
/I:/	[i:]	SHEEP; [[ -Y words ]]
/E:/	[ei]	GATE (except gate, potatoes)
	[e]	gate, potatoes
/œ:/	[œ <sup>T</sup> ]	WORK + hear
	[θ <sup>T</sup> ]	year
/E:/	[ɛ:]	MARE

/A/	[a]	ARM (except branch, chaff, draught)
/ɔ:/	[ɔ:]	STRAW
/O/	[ou]	cold, colt, oak, old, shoulder, snow, toad
	[o:]	coal, foal, road, spokes, yolk + boar (+/OΛ/); [[ furrow, potatoes, yellow ]]
/U:/	[u:]	goose, root, stool, two;
/Iu/	[ɪu]	dew, ewe, suet, Tuesday
/Ai/	[θi]	WHITE; FIRE
/Au/	[θu]	COW, HOUR
/Oi/	[ɔi]	OIL
/Iʌ/	[iθ]	ears
/Oʌ/	[oθ]	BOAR

/D/ appears initially in *jump*.

/N/ appears finally in *farthing, morning, nothing, shilling*.

/L/ is clear in *apples, coal*.

/R/ is rolled or flapped in *furrow, porridge, quarry*.

/Y/ appears medially in *hear, heard*, but is lacking in *ewe, yeast, dew, Tuesday*.

**Gw 8 MARSHFIELD**

/I/	[ɪ]	BRIDGE
/E/	[ɛ]	KETTLE + waistcoat
/A/	[a]	APPLES + branch
/ʌ/	[ʌ]	SUCK; [[ fire, iron, onions ]]
	[θ]	[[ -ER words: flour, furrow (+ /O:/), hour, potatoes (final syllable), sugar, waistcoat ]]
/O/	[ɔ]	DOG
/U/	[u]	BULL + hoof (+/U:/), tooth
/I:/	[i:]	SHEEP; [[ -Y words, buried, Tuesday ]]
/E:/	[ei]	GATE (except break, spade, take, waistcoat)
	[e:]	break, spade, take
/œ:/	[œ:]	WORK; EARS
/E:/	[ɛ:]	MARE
/A:/	[a:]	ARM (except branch)
/ɔ:/	[ɔ:]	STRAW; BOAR
/O:/	[o:]	FOAL (except cold, shoulder, yolk)
	[ou]	cold, shoulder, yolk; trough (+/O/)
/U:/	[u:]	goose, hoof (+/U/), root, stool, suet, Tuesday, two
/Iu/	[ɪu]	dew, ewe
/Ai/	[θi]	WHITE; FIRE



/Au/ [ɒu] COW, HOUR  
/Oɪ/ [ɔɪ] OIL

/N/ appears finally in -ING words

/L/ is clear in *cold, colt, shoulder, twelve, bull, coal, squirrel, wool, dark* in *boiling*

*Trough* has forms both with and without a final /F/.

/Y/ appears initially in *ears*, medially in *hear, heard*, but is lacking in *yeast, dew*.

### Gw 9 UNDY

/I/ [ɪ] BRIDGE  
/E/ [ɛ] KETTLE  
/A/ [a] APPLES + wasps, branch, chaff, draught  
/ʌ/ [ʌ] SUCK  
[ɒ] [[ apples, butter, finger, fire, flour, hour, potatoes (final syllable), shoulder, suet, sugar ]]  
[ɒ<sup>ɾ</sup>] [[ butcher, hear ]]  
[æ] [[ ladder, slaughter ]]  
[æ<sup>ɾ</sup>] [[ farmer, iron ]]  
/O/ [ɔ] DOG (except wasps)  
/U/ [u] BULL + goose, hoof, tooth  
/I:/ [i:] SHEEP + hear; [[ -Y words ]]  
/E:/ [eɪ] bacon, lay, potatoes, waistcoat, weigh  
[e:] break, clay, drain, gate.

spade, tail, take  
/ɛ:/ [ɒ<sup>ɾ</sup>] first, heard, work, ears, hear  
[æ] third, year  
/ɛ:/ [ɛ] hare, mare, pears  
[ɛ<sup>ɾ</sup>] chair  
/ʌ/ [a<sup>ɾ</sup>] arm, calf, grass  
[a] farmer, farthing  
/ɔ:/ [ɔ] morning, slaughter, straw, four  
[ɔ<sup>ɾ</sup>] forks, saw-dust, walk  
/O/ [o:] FOAL (except cold, oak), [[ waistcoat, yellow ]]  
[ou] cold, oak  
/U/ [u] dew, ewe, root, stool, Tuesday, two  
/lu/ [ɪu] suet  
/Aɪ/ [ɔɪ] WHITE, FIRE  
/Au/ [au] cow, plough, sow n., hour  
[θu] snout, thousand, flour  
/Oɪ/ [ɔɪ] OIL  
/Iʌ/ [iθ] year  
/Oʌ/ [ɔθ] boar  
[ouθ] dox

/N/ appears finally in *boiling, morning, nothing, shilling*.

/Sh/ appears initially in *chaff*, /V/ finally in *sheaf*.

/L/ is clear in *cold, shoulder, coal, wheel, dark* in *clay*.

/Y/ appears initially in *ears* but is lacking in *year, yeast*.