Historical Linguistics: An Introduction

- calvario 'Calvary' (modern [kalβario], colonial [kalβario, kalvario]): Q'anjobal karwal 'cemetery, graveyard', K'iche' kalwar.
 classes 'maile' (modern [klaβac] colonial [klaβac] klavos]):
- 26. clavos 'nails' (modern [klaßos], colonial [klaßos, klavos]):
 Akateko lawuf, Chol lawuf, Tzeltal lawuf, Tojolabal lawuf. (Note that these forms mean 'nail', but are borrowed from the Spanish plural form.)
- 27. rábanos 'radishes' (modern [ráβanos], colonial [ráβanos, rávanos]): Tojolabal lawunif, Motocintlec luwa2ηfa 'rábano', Tzotzil alavanuf. (Note that these all mean 'radish', though borrowed from the Spanish plural form. Tzotzil has a phonemic contrast between /v/ and /b/, but has no /w/; the other languages have no /v/, but do have /w/.) (See also 1 above.)
- 28. botón(es) 'button(s)' (modern [botón], colonial [botón]): Q'eqchi' boto:nf, K'iche' botona, botonif, Tojolabal boton 'button, knot in wood', Tzotzil boton.
- 29. bolsa 'bag, pocket' (modern [bolsa], colonial [bolşa, borşa]): Chol borʃa, Q'eqchi' boːʃ 'pocket', K'iche' borʃa, Tzeltal bolsa.
- 30. nabos 'turnips' (modern [naßos], colonial [nabos]): K'iche' napuf, Tzotzil napuf, Motocintlec kolina?wa. (See also 2 and 7 above.)

Analogical Change

They have been at a great feast of languages, and stolen the scraps.

(William Shakespeare [1564–1616],

Love's Labour's Lost, V, 1, 39)

4.1 Introduction

somehow associated'. The essential element in all these definitions, one form of a language becomes more like another with which it has one set of expressions to another. Arlotto (1972: 130), recognising the and analogy is a historical process which projects a generalisation from a relationship from one set of conditions to another set of conditions; of the definitions of analogy that have been offered run along the folinvolves a relation of similarity (compare Anttila 1989: 88). vague and inadequate though this may sound, is that analogical change posely vague and general definition": (analogy) is a process whereby problem of offering an adequate definition, gives what he calls 'a puranalogy is change modelled on the example of other words or forms; of the importance of analogy, linguistics textbooks seem to struggle lowing lines: analogy is a linguistic process involving generalisation of begin straight away by presenting examples of analogical change. Some when it comes to offering a definition. Many do not even bother, but just the three most important (most basic) types of linguistic change. In spite Sound change, borrowing and analogy have traditionally been considered

For the Neogrammarians, sound change was considered regular, borrowings needed to be identified, and analogy was, in effect, everything else that was left over. That is, almost everything that was not sound change or borrowing was analogy. Analogy became the default (or

wastebasket) category of changes. In analogical change, one piece of the language changes to become more like another pattern in the language where speakers perceive the changing part as similar to the pattern that it changes to be more like. Analogy is sometimes described as 'internal borrowing', the idea being that in analogical change a language may 'borrow' from some of its own patterns to change other patterns. Analogy is usually not conditioned by regular phonological factors, but rather depends on aspects of the grammar, especially morphology.

By way of getting started, let us consider some examples of analogy. Originally, sorry and sorrow were quite distinct, but in its history sorry has changed under influence from sorrow to become more similar to sorrow. Sorry is from the adjective form of 'sore', Old English sārig 'sore, pained, sensitive' (derived from the Old English noun sār 'sore'), which has cognates in other Germanic languages. The original ā of sārig changed to ō and then was shortened to o under influence from sorrow (Old English sorh 'grief, deep sadness or regret'), which had no historical connection to sorry. This is an analogical change, where the form of sorry changed on analogy with that of sorrow.

There are many kinds of analogical change. In this chapter, we explore the different types of analogy and the role of analogy in traditional treatments of linguistic change, and we see how it interacts with sound change (and to a more limited extent with grammatical change, looking forward to Chapter 9 on syntactic change).

Some equate analogical change with morphological change, though this can be misleading. While it is true that many analogical changes involve changes in morphology, not all do, and many changes in morphology are not analogical. In this book, aspects of morphological change are treated not only in this chapter, but also in Chapters 2, 3, 9 and 12

4.2 Proportional Analogy

Traditionally, two major kinds of analogical changes have been distinguished, proportional and non-proportional, although the distinction is not always clear or relevant. Proportional analogical changes are those which can be represented in an equation of the form, a:b=c:x, where one solves for 'x' - a is to b as c is to what? (x= 'what?'). For example: ide:rode=dive:x, where in this instance x is solved with dove. In this analogical change, the original past tense of dive was dived, but it analogical change, the original past tense of verbs which behave changed to dove under analogy with the class of verbs which behave like drive: drove, ride: rode, write: wrote, strive: strove, and so on.

(Today, both *dived* and *dove* are considered acceptable in Standard English, though the use of these forms does vary regionally.) The fourterm analogy of the form a:b=c:x is also sometimes presented in other forms, for example as: a:b::c:x; or as:

Not all cases considered proportional analogy can be represented easily in this proportional formula, and some cases not normally thought to be proportional analogical changes can be fitted into such a formula. In the end, the distinction may not be especially important, so long as you understand the general notion of analogy. Let us turn to examples of four-part proportional analogy, which will make the concept clearer.

- (1) A famous example comes from Otto Jespersen's observation of a Danish child 'who was corrected for saying *nak* instead of *nikkede* ('nodded'), [and] immediately retorted "stikker, stak, nikker, nak," thus showing on what analogy he had formed the new preterit' (Jesperson 1964: 131). That is, the child produced the proportional formula: *stikker* 'sticks': *stak* 'stuck' = *nikker* 'nods': *nak* 'nodded'.
- (2) In English, the pattern of the verb *speak/spoke/spoken* ('present tense'/'past tense'/'past participle') developed through remodelling on analogy with verbs of the pattern *break/broke/broken*. In Old English, it was *sprec/spræc/gesprecen* (compare the *spake* 'past tense' of Early Modern English with present-day *spoke*).
- (3) Finnish formerly had *laksi* 'bay (nominative singular)'; its possessive form ('genitive singular') was *lahde-n*, just as words such as *kaksi* (nominative singular): *kahde-n* (genitive singular) 'two'. However, under the weight of Finnish words with the different nominative-genitive pattern as in *lehti*: *lehde-n* 'leaf', *tähti*: *tähde-n* 'star', the *laksi* nominative singular of 'bay' changed to *lahti*, as in the proportional fomula: *lehden*: *lehti*:: *lahden*: *lahti* (< *laksi*). The past tense form of the verb 'to leave' had the same fate: originally the pattern was *lähte*-'leave': *läksi* 'left', but this alternation was shifted by the same analogical pattern to give *lähti* 'left' (past tense) in Standard Finnish.
- (4) A more grammatical example of proportional analogical change is found in some Spanish dialects in the non-standard pronoun pattern called *laismo*. Standard Spanish has distinct masculine and feminine third person pronominal direct object forms, but the indirect object pronominal forms do not distinguish gender, as in:

lo ví 'I saw him' [him I.saw], la ví 'I saw her' [her I.saw] le di 'I gave him/her (something)' [him/her I.gave].

In the dialects with *laismo*, the change created a gender distinction also in the indirect object pronoun forms:

le di 'I gave him (something)', la di 'I gave her (something)'.

The proportional analogy in the formula would be:

lo vt 'I saw him': la vt 'I saw her':: le di 'I gave him (something): x where x is solved for la di 'I gave her (something)'.

(5) Proto-Nahua had a single verbal prefix to signal reflexives, *mo-, still the basic pattern in a majority of the modern varieties of Nahua, as in Pipil ni-mu-miktia 'I kill myself', ti-mu-miktiat 'we kill ourselves', and mu-miktia 'he/she kills himself/herself'. However, on analogy with the subject pronominal verbal prefixes, Classical Nahuatl has created distinct reflexive pronouns, -no- 'myself', -to- 'ourselves' and (-)mo-'yourself/himself/herself', as in: ni-no-miktia 'I kill myself', ti-to-miktia? 'we kill ourselves' and mo-miktia 'he/she kills himself/herself'.

4.3 Analogical Levelling

Many of the proportional analogical changes are instances of analogical levelling. (Others are extensions; see below.) Analogical levelling reduces the number of allomorphs a form has; it makes paradigms more uniform. In analogical levelling, forms which formerly underwent alternations no longer do so after the change.

- (1) For example, some English 'strong' verbs have been levelled to the 'weak' verb pattern, as for instance in dialects where throw/threw/thrown has become throw/throwed/throwed. There are numerous cases throughout the history of English in which strong verbs (with stem alternations, as in sing/sang/sung or write/wrote/written) have been levelled to weak verbs (with a single stem form and -ed or its equivalent for 'past' and 'past participle', as in bake/baked/baked or live/lived/lived). Thus cleave/clove/cloven (or cleft) 'to part, divide, split' has become cleave/cleaved for most, while strive/strove/striven for many speakers has changed to strive/strived. (Strive is a borrowing from Old French estriver 'to quarrel, contend', but came to be a strong verb very early in English, now widely levelled to a weak verb pattern.)
- (2) Some English strong verbs have shifted from one strong verb pattern to another, with the result of a partial levelling. For example, in earlier English the 'present'/'past'/'past participle' of the verb to bear was equivalent to bear/bare/born(e), and break was break/brake/broke(n).

They have shifted to the fight/fought/fought, spin/spun/spun pattern, where the root of the 'past' and 'past participle' forms is now the same (bear/bore/born(e), break/broke/broken).

- (3) In a rather large class of verbs in Standard Spanish, o (unstressed) alternates with ue (when stressed), as in volár 'to fly', vuéla 'it flies'. Many speakers of Chicano Spanish have levelled the alternation in favour of ue alone in these verbs: vuelár 'to fly', vuéla 'it flies'.
- (4) In English, the former 'comparative' and 'superlative' forms of old have been levelled from the pattern old/elder/eldest to the non-alternating pattern old/older/oldest. Here, o had been fronted by umlaut due to the former presence of front vowels in the second syllable of elder and eldest, but the effects of umlaut were levelled out, and now the words elder and eldest remain only in restricted contexts, not as the regular 'comparative' and 'superlative' of old.
- the language, is no longer the 'superlative' of late.) which now remains only in restricted meaning; and last, though still in 'superlative' from Old English latost. (In this case, later replaced latter, late/latter/last, with the 'comparative' from Old English lætra and the the influence of further 'more forward, more onward, before in position'. rise to the new comparative farrer, which was replaced by farther under next remained in the language, but with more limited, shifted meanings. levelling without which we would have had instead the equivalent of (5b) Similarly, far was also comparative in origin (originally meaning the sixteenth century, then nearest substituted for next. Both nigh and had nigh/near/next, from Old English neah 'near' /nearra 'nearer' /neahsta it became the basic form meaning 'near'. If the original state of affairs (5c) The pattern late/later/latest is also the result of an analogical 'farther'), but this became the basic form meaning 'far', which then gave 'nearest'. However, this pattern was levelled out; nearer was created in had persisted for the pattern 'near'/'nearer'/'nearest', we should have (5a) Near was originally a 'comparative' form, meaning 'nearer', but
- (6) In Greek, *k* became t before i and e, but p in most other environments. By regular sound change, then, the verb 'to follow' in Greek should have resulted in variant forms such as: hépomai 'I follow', hétēi 'you follow', hétetai 'he/she/it follows'. However, by analogy, the p (from original *k* before o in this case) spread throughout the paradigm, levelling all the forms of 'to follow': hépomai 'I follow', hépētai 'you follow', hépēi 'he/she/it follows' (Beekes 1995: 73).
- (7) Many verbs which have the same form in the singular and plural in Modern German once had different vowels, which were levelled by analogy. Thus, for example, Martin Luther (1483–1546) still wrote en

bleyb 'he stayed'/sie blieben 'they stayed' and er fand 'he found'/sie funden 'they found', where Modern German has er blieb/sie blieben and er fand/sie fanden (Polenz 1977: 84).

4.4 Analogical Extension

Analogical extension (somewhat rarer than analogical levelling) extends the already existing alternation of some pattern to new forms which did not formerly undergo the alternation. An example of analogical extension is seen in the case mentioned above of *dived* being replaced by *dove* on analogy with the 'strong' verb pattern as in *drive/drove*, *ride/rode* and so on, an extension of the alternating pattern of the strong verbs. Other examples follow.

(1) Modern English wear/wore, which is now in the strong verb pattern, was historically a weak verb which changed by extension of the strong verb pattern, as seen in earlier English werede 'wore', which would have become modern weared if it had survived.

(2) Other examples in English include the development of the non-standard past tense forms which show extension to the strong verb pattern which creates alternations that formerly were not there, as in: arrive/arrove (Standard English arrive/arrived), and squeeze/squoze

(Standard squeeze/squeezed).

(3) In some Spanish verbs, e (unstressed) alternates with ie (when in stressed positions), as in pensár 'to think', piénso 'I think'. In some rural dialects, this pattern of alternation is sometimes extended to verbs which formerly had no such alternating pairs, for example: aprendér 'to learn'/apriéndo 'I learn', where Standard Spanish has aprendér 'to learn'/apriendo 'I learn'. Others include compriendo 'I understand' for comprendo, aprieto 'I tighten' for apreto; this also extends to such forms as diferiencia for diferencia 'difference'.

(4) Where Standard Spanish has no alternation in the vowels in forms such as créa 'he/she creates'/creár 'to create', many Spanish dialects such as créa 'he/she creates'/creár 'to create', many Spanish dialects unstressed syllables, resulting in alternating forms as seen in créa unstressed syllables, resulting in alternation has been extended in 'he/she creates'/criár 'to create'. This alternation has been extended in some dialects to forms which would not originally have been subject to some dialects to forms which would not originally have been subject to créal/criár type, illustrated again in menéa 'he/she stirs'/meniár 'to creat/criár type, illustrated again in menéa 'he/she stirs'/meniár 'to shifted to this pattern, as seen in dialect cambéa 'he/she changes'/shifted to this pattern, as seen in dialect cambéa 'he/she changes'/shifted to change', replacing Standard Spanish cámbia 'he/she

changes'/cambiár 'to change'; vacéo 'I empty'/vaciár 'to empty', replacing Standard Spanish vácio 'I empty'/vaciár 'to empty'.

From the point of view of the speaker, analogical levelling and extension may not be different, since in both the speaker is making different patterns in the language more like other patterns that exist in the language.

4.5 The Relationship between Analogy and Sound Change

sound change is regular and causes irregularity; analogy is irregular sonably well by the slogan (sometimes called 'Sturtevant's paradox'): a regular sound change in which back vowels were fronted due to the can create alternations, or variant allomorphs. For example, umlaut was and causes regularity (Anttila 1989: 94). That is, a regular sound change The relationship between sound change and analogy is captured reacame to have two variants, brother and brethr-. Earlier English had many alternations of this sort. However, an irregular analogical change brethren; as a result of this regular sound change, the root for 'brother' presence of a front vowel in a later syllable, as in brother + -en > alternating singular/plural pattern in such nouns as sister/sisters. This sound change, leaving only a single form, brother, as the root in both such alternations at the same time. This analogical change in the case of and there, to individual alternating forms, not across the board to all analogical change is irregular in that it applied only now and then, here later created brothers as the plural form, on analogy with the nonbrethren in effect resulted in undoing the irregularity created by the restricted context with specialised meaning). In this context, we should tion left behind by the sound change (brethren survives only in a the singular and plural forms; that is, analogy levelled out the alternaregular processes (which would occur whenever their conditions are be careful to note that although analogical changes are usually not found), they can sometimes be regular.

The history of the verb to choose in English shows the interaction of analogy and sound change well. Old English had the forms cēosan [čēosan] 'infinitive', cēas [čæas] 'past singular', curon [kuron] 'past plural' and coren [koren] 'past participle'. These come from the Proto-Indo-European root *geus- 'to choose, to taste' (which had vowel alternations in different grammatical contexts which gave also *gous- and *gus- - the latter is the root behind Latin gustus 'taste' and the loanword gusto in English). From this Indo-European root came Proto- Germanic *keus-an (and its alternates in different grammatical contexts.

involving the final consonant of the root. regularised the form of the root, eliminating the allomorphic alternations

4.6 Analogical Models

exists, but rather the model is a class of related forms. another. For the majority of analogical changes no immediate model discourse these forms would not occur adjacent to (or nearby) one changes. In a case such as honos > honor under analogy from other do not normally occur in discourse in the near vicinity of the form that 4.1, due to the influence of whole classes of words or paradigms which non-immediate models are, like those of the Latin labos > labor of Table tion of similarity' which is behind the analogical change. Cases involving distinguish between immediate models and non-immediate models. In discussions of different sorts of analogical change, it is common to forms in the paradigm, such as honorem, honoris and so on, in normal I hese have to do with the place in the language where we find the 'rela-

of the year, or in phrases used so frequently they can almost be taken as routines, such as sequences of basic numbers, days of the week, months are immediately juxtaposed to one another or are located very near each same speech context as the thing that changes. This refers to instances similarity' upon which the analogical change is based is found in the sequence; as a result, for many English speakers, because of the immea unit. For example, month names are frequently said together in other in frequently repeated pieces of speech. Thus, analogical changes where the thing that changes and the thing that influences it to change becoming more like January [jænjuwexi]. diate model of January, February has changed to Febuary [febjuwexi], based on an immediate model are typically found in frequently recited An immediate model refers to a situation in which the 'relation of

the earlier femelle (the Middle English form) changed to be more similar in the immediate model of male and female, frequently uttered together, (1) In English, female [fimeil] was earlier femelle [fe'mel]; however,

s: lunes 'Monday', martes 'Tuesday', miercoles 'Wednesday', jueves of the week are commonly recited as a list. The day names are derived day names which ended in s in this immediate context, where the days from shortened versions of the Latin names which originally contained forms which originally lacked this final s, but took it by analogy to other 'Thursday', viernes 'Friday'; however, lunes and miercoles come from (2) Modern Spanish has the following days of the week which end in uniformity to the consonants of this paradigm. for 'choose' in Old English), and subsequent analogical changes restored palatalisation, created different allomorphs (irregularity in the paradigm clearly the regular sound changes, rhotacism (after Verner's law) and in the face of competition from Standard English.) In this example, choosed/choosed or similar forms, though these have not survived well vowels of the strong verb pattern was sometimes levelled, to choose/ uniformly with the same consonants. (In dialects, even the difference in consonant differences, leaving Modern English choose/chose/chosen in the paradigm, δVs - and kVr-. Analogical levelling later eliminated these these changes resulted in different allomorphs with different consonants palatalisation in English of k to ξ before the front vowels. Together, then intervocalic z changed to r by rhotacism. The other change was the did in the 'past plural' and 'past participle' in Pre-Germanic times), and Chapter 5), which changed the *s to *z when the stress followed (as it plural and past participle forms had undergone Verner's law (see English forms of 'to choose' come from two sound changes. The past *kaus- and *kuz-). The differences in the consonants among the Old

A somewhat more complicated but more informative example is seen

TABLE 4.1: Latin rhotacism and the interaction of analogy with sound

honōris	honorem	honos	Stage 2: rhot	honosis	honosem	honos 'honour'	Stage 1: La
laboris	laborem	labos	Stage 2: $rhotacism: s > r/V_V$	labosis	labosem	r' labos 'labour'	Stage 1: Latin before 400BC
genitive singular	accusative singular	nominative singular		genitive singular	accusative singular	nominative singular	

Stage 3: after 200BC, analogical reformation of nominative singular

honoris	honorem	honor
laboris	laborem	labor
genitive singular	accusative singular	onor labor nominative singular

r of the rest of the forms in the paradigm. Thus irregular analogy has singular forms) to honor and labor, both now ending in r, matching the paradigm. Later, irregular analogy changed honos and labos (nominative r/V_V), created allomorphy (honos/honor-), that is, irregularity in the In this example, the regular sound change in Stage 2, rhotacism (s >

European *dekm). d-, making it more similar to following 'ten', as in Russian $d^{l}ev^{l}at^{l}$ 'nine' (< Proto-Indo-European *newn), $d^{l}es^{l}at^{l}$ 'ten'(< Proto-Indowith n- and 'ten' with d-, but they shifted so that 'nine' now begins with like the preceding hepta 'seven'. (4) In Slavic, originally 'nine' began hepta, hoktō; in others, oktō has become optō 'eight', becoming more Greek dialects, the sequence hepta 'seven', okto 'eight' has become ence from preceding quattuor 'four' (from *kwerwer-). (3) In some quinque /kwinkwe/ 'five' (from *penkwe-) may be due in part to influexpected whour) by influence from the f of following five. (2) Latin law, and $*k^w$ should have become $*h^w$, but we get four (with f, not model are found in numbers. For example, (1) Proto-Indo-European had * k^w etwer- 'four', *pen k^w e- 'five'; *p became Germanic *f by Grimm's (3) Many examples of analogical changes based on an immediate

original *h, as seen in Teco wu:q 'seven' and Tzotzil wuk 'seven'. come to have the same vowel in kili:6 'two', ifi:6 'three', kixi:6 'four', example, the w of 'six' has influenced 'seven' to take w instead of its 'nine', *laxıx 'ten'. The Proto-Mayan forms *waq- 'six' and *huq-'nine': beleheb 'nine', laxe:b 'ten', from Proto-K'ichean *be:lexeb *ofi.6 'three', *kaxi.6 'four'. In Q'eqchi', 'ten' has been influenced by from earlier forms with distinct vowels: Proto-K'ichean *ka?l:6 'two', models for analogical change. For example, Poqomchi' numbers have numbers counted in sequence to influence each other, as immediate 'seven' have influenced each other in several Mayan languages: for The numbers in several Mayan languages illustrate this tendency for

gular) is expected. In this case, different noun classes are involved, which had different 'genitive singular' forms: 'of the Roman senate and people', where senatus 'senate (genitive sin-(4) An often-repeated example is Cicero's senātī populīque Romanī

'genitive singular': 'nominative singular': animus 'soul, heart' senātus 'senate' animi

class to which animus belonged was much larger. A frequent phrase, in senate and people' (the clitic -que means 'and'). Cicero gave it in the the nominative case, was senātus populusque romanus 'the Roman The senātus class was small, and only a few nouns belonged to it. The

Analogical Change

senatī based on the immediate model of populī 'people (genitive singugenitive case, not with expected senātūs 'senate (genitive singular)', but lar)' in this phrase (compare Paul 1920: 106).

4.7 Other Kinds of Analogy

these have little in common with one other. It is important to have a can be proportional, too). There is nothing particularly compelling systematic. Most of the other kinds of analogy, normally considered very frequently in historical linguistic works. As pointed out above, the together under the general heading of analogy, for these terms are used general grasp of these various kinds of changes which are all lumped Many different kinds of change are typically called analogy; some of standard, but one type is not necessarily fully distinct from another, so about this classification of kinds of analogical changes. The names are non-proportional, are mostly irregular and sporadic (and many of these though often irregular, can in some instances be quite regular and proportional analogical changes which involve levelling and extension, these kinds of change. that some examples of analogical changes may fit more than one of

4.7.1 Hypercorrection

correct and which already match the form in the variety being copied, hypercorrection is the attempt to correct things which are in fact already shooting the target and coming up with what is an erroneous outcome pronounced in a more prestigious variety sometimes results in overin a less prestigious variety to make it conform with how it would be Hypercorrection involves awareness of different varieties of speech resulting in overcorrection and getting the form wrong. from the point of view of the prestige variety being mimicked. That is, which are attributed different social status. An attempt to change a form

pawnd (shop) < pawn, drownd (present tense)/drownded (past tense) < san' for sand, fin' for find, roun' for round, and so on. found to one extent or another in many varieties of English, for example, overzealous attempt to undo the effects of the loss of final d after n, drown/drowned. These changes came about by hypercorrection in an (1) Some dialects in the western United States have: lawnd < lawn;

and I for what in Standard English is for you and me involve hypercorrection; schoolteachers have waged war on the non-standard use of me (2) The frequently heard instances in English of things like for you

in subject positions, in instances such as me and Jimmy watched 'Star Trek' and me and him ate popcom and so on. Speakers, in attempting to correct these to I when it is part of the subject of the clause, sometimes go too far and hypercorrect instances of me in direct or indirect objects to I, as in Maggie gave it to Kerry and I.

(3) Some English dialects in the southern United States have umbrel-low for 'umbrella' and pillow for 'pillar', a hypercorrection based on the less prestigious pronunciations of words such as fella and yella, changing to match to more formal (more prestigious) fellow and yellow.

(4) In many rural Spanish dialects, d before r has changed to g (d > g /__ r), as in: magre 'mother' (< madre), pagre 'father' (padre), piegra 'stone' (piedra), Pegro 'Pedro'. Sometimes speakers of these dialects attempt to change these gr pronunciations to match the standard and prestigious dr counterpart; however, in doing this, they sometimes hypercorrect by changing instances of gr to dr where the standard language in fact has gr, as for example suedros 'parents-in-law', where Standard Spanish has suegros, and sadrado 'sacred' instead of Standard sagrado.

(5) Standard Finnish has /d/, but many regional dialects do not; several have /r/ instead. An attempt to correct dialectal suren 'wolf (accusative singular)' to Standard Finnish suden would work out well through the replacement of dialect r by d. However, this sort of substitution leads to hypercorrections such as suuden 'big' (accusative singular) where Standard Finnish actually does have /r/, suuren (Ravila 1966: 57).

(6) In regional dialects of Spanish, f has become x before u, and this leads to the following sorts of hypercorrections, since the standard language preserves f in these cases, but also has other legitimate instances of xu as well (where [x] is spelled in Spanish with j): fugo < jugo 'juice', fueves < jueves 'Thursday', fuicioso < juicioso 'judicious'.

4.7.2 Folk etymology (popular etymology)

We might think of folk etymologies as cases where linguistic imagination finds meaningful associations in the linguistic forms which were not originally there and, on the basis of these new associations, either the original form ends up being changed somewhat or new forms based on it are created.

(1) An often-cited example is that of English hamburger, whose true etymology is from German Hamburg + -er, 'someone or something from the city of Hamburg'; while hamburgers are not made of 'ham',

speakers have folk-etymologised hamburger as having something to do with ham and on this basis have created such new forms as cheese-burger, chiliburger, fishburger, Gainsburgers (a brand of dog food in North America), just burger, and so on.

(2) In Spanish, vagabundo 'vagabond, tramp' has given rise also to vagamundo (same meaning), associated by speakers in some way with mundo 'world' and vagar 'to wander, roam, loaf', since a tramp wanders about in the world.

(3) Jocular Spanish has created indiosingracia 'idiosyncrasy' (for idiosincrasia), based on indio 'Indian' + sin 'without' + gracia 'grace'.

(4) The original name of the city of Cuernavaca in Mexico was kwawnawak in Nahuatl, but it was folk-etymologised by the Spanish as cuernavaca, based on cuerno 'horn' + vaca 'cow', though the place had no connection with either 'horns' or 'cows'. Its true etymology is Nahuatl kwaw- 'trees' + nāwak 'near, adjacent to', that is, 'near the trees'.

(5) (Beef) jerky, jerked beef in English comes from Spanish charqui, which Spanish borrowed from Quechua č'arqi – nothing is 'jerked' in the preparation of this dried meat, as the folk etymology seems to assume.

(6) Handiwork comes from Old English handgeweorc, composed of hand 'hand' + geweorc 'work (collective formation)', where ge > y [j] or i in Middle English, and then was lost. The word was reformulated by folk etymology in the sixteenth century on the basis of handy + work (compare Palmer 1972: 240).

(7) Many today (mis)spell harebrained as hairbrained, apparently having shifted the original etymology from 'one having a brain like a hare (rabbit)' to a new folk etymology based on hair, 'one having a brain associated in some in way with hair'.

(8) Some dialects of English have wheelbarrel for wheelbarrow, folk-etymologising it as having some association with barrel.

(9) Some speakers have changed cappuccino to cuppacino, influenced analogically by the word cuppa 'cup of tea', unknown in American English but widely used elsewhere, from cup of (tea or coffee); a seven-year-old boy called it caffeccino (based on coffee). Compare also such blends – see below – as mochaccino, muggaccino and cybercino (involving a coffeeshop with World Wide Web access for its customers).

(10) Old Spanish *tiniebras* 'darkness' changed to Modern Spanish *tinieblas* through the folk-etymological assumption that it had something to do with *niebla* 'fog'.

(11) The true etymology of English *outrage* has nothing to do with *out* or *rage*, which are due to folk etymology. Rather, *outrage* is in origin a

4.7.5 Blending (or contamination)

as something like slips of the tongue which combine aspects of two nation are sometimes treated as lexical change (see Chapter 10), The similar meaning. Some blends are purposefully humorous or sarcastic in their origin; others are more accidental, sometimes thought to originate related forms which then catch on. Examples of blending and contamifollowing English examples illustrate these various origins and outcomes. In blends, pieces of two (or more) different words are combined to create new words. Usually the words which contribute the pieces that go into the make up of the new word are semantically related in some way, sometimes as synonyms for things which have the same or a very

- (1) Often-cited examples include: smog < smoke + fog; brunch < breakfast + lunch; motel < motor + hotel, splatter < splash + spatter; flush < flash + blush.
- (2) (computer) bit < binary digit.
- magazine), videozine (videotape featuring items comparable to print (3) Based on a portion of magazine: fanzine (fan group newslettermagazines), webzine (Internet sites in magazine format).
- (4) A suffix-like element was created on the basis of a portion of marathon: telethon, walkathon, bik(e)athon, danceathon, and so on.
 - (5) newscast < news + broadcast; also sportscast, sportscaster.
- (6) Based on part of alcoholic: workaholic, chocaholic, foodaholic, gumaholic, shoppaholic, and so on.
- (7) infomercial < information + commercial; infotainment < information + entertainment.
- (8) From combinations based on hijack: skyjack(ing) and car-
- (10) -gate (a new suffix-like element created on the basis of Koreagate, Irangate, Camillagate (involving Prince Charles's close Watergate of the Richard Nixon Watergate scandal): Contragate, (9) neither < earlier nouther through influence from either. friend, Camilla Parker Bowles).

Some non-English examples are:

- yield, produce, render', Italian rendere 'to render, yield', French rendre in the blend in Romance languages illustrated by Spanish rendir 'to (11) An often-cited case: Latin reddere 'to give back' and pre(he)ndere 'to take hold of, seize' influenced one another and resulted to render' (English render is a borrowing from French).
- (12) Spanish jocular indioma 'language' (from Cantinflas' films) is a blend of indio 'Indian' and idioma 'language'.

(13) Names of languages which borrow extensively from others or

Analogical Change

was created in feminist discourse to reflect male biases in English. Spanglish - Spanish + English, Finnglish < Pinnish + English, manglish are highly influenced by others are the sources of such blends as mun + English; Franglais < français 'French' + anglais 'English'.

There are also syntactic Mends. Mengranmenians presented many examples (for example, Paul 1920; 165). Some are:

- (1) I'm friends with him, trons a contamination based on I'm a friend with him and we are friends (Paul 1920): 150).
- dein Mut [me.Accusative please-third.person your spirit], roughly 'your Genitivel, roughly 'I'm pleased over your courage', and mich freu-t nation of the two perfectly mermal constructions ich freu-e mich dein-es Mutes [1 please-first.person me.Reflexive your-Centive courage (2) Non-standard Cerman mich frem deines Muus, from a contamispirit pleases me' (Paul 1920: 149).
- (3) Finnish has two alternative constructions for verbs meaning 'to command, order', as in 'she told/commanded the boy to come':

hän käski poikaa tulemaan (poika-a 'boy-Partitive.Singular' tulehän käski pojan tulla (poja-n 'boy-Genitive.Singular' tul-la ma-an 'come-third.Infinitive-Illative.case') 'come-first.Infinitive'). These two have blended for some dialects to give a third construction:

'come-third.Infinitive-Illative') - not accepted in Standard Finnish. käski pojan tulemaan (poja-n 'boy-Genitive.Singular' tule-ma-an

4.8 Exercises

Exercise 4.1

so on, and attempt to find examples of your own of the various sorts of Observe the language of your friends and of newspapers, television and

Exercise 4.2 Identifying analogical changes

examples. Name the kind of change, and attempt to explain how it came Determine what kind of analogical change is involved in the following about, if you can.

- (1) In some dialects of English, the pattern bring/brought/brought has become bring/brang/brung.
- (2) Where Standard English has drag/dragged, some varieties of English have drag/drug. It appears in this case that the Standard English pattern is older.

Historical Linguistics: An Introduction

since diestro and siniestro frequently occurred together. left' to take on ie under the influence of the antonym diestro 'right', (3) Old Spanish siniestro 'left' changed from Latin sinister 'on the

changes of the following sort: dialect bacalado < Standard bacalao mercado > mercao 'market'; in some instances, however, there are 'codfish'; dialect Bilbado < Standard Bilbao (a place name). (4) In many Spanish dialects, an intervocalic d is regularly lost, as in

'behind' become astras; in this variety of Spanish, preconsonantal s is (5) In the Dominican Republic, forms such as Standard Spanish atras

often lost, as in ata < asta (spelled hasta) 'until'.

with Jerusalem. rotate' + sole 'sun', and articiocco 'artichoke', with nothing associated where Italian girasóle / Jirasóle/ contains gira- 'turn around, revolve, similarities to an artichoke) is in origin from Italian girasóle articiocco, (6) English Jerusalem artichoke (a kind of sunflower, with some

cayo hueso, where cayo is 'key, small island' and hueso is 'bone' (7) In English, Key West (in Florida) comes from the Spanish name

(8) English heliport < helicopter + airport; snazzy < snappy + jazzy;

jumble < jump +tumble.

been influenced by Standard Spanish verb forms such as traiga (sub-Standard Spanish has haya (subjunctive, 'there may be') and vaiga junctive of traer 'to bring', 'may bring') and caiga (subjunctive of caer where Standard Spanish has vaya (subjunctive, 'may go'). These have to fall', 'may fall'). (9) Colloquial and regional varieties of Spanish have haiga where

(10) Middle English had help- 'present tense', holp 'past tense';

Modern English has help, helped for these.

(11) English to emote is derived from emotion; to enthuse is derived

from enthusiastic. (12) Many varieties of English have a new verb to liaise based on

enough, to dare' and tohtia 'to dare'. (14) Finnish rohtia 'to dare' resulted from both rohjeta 'to be bold (13) English to diagnose is derived from diagnosis.

Exercise 4.3 Analogical changes in Mayan languages

illustrated in the following examples from various Mayan languages. Name and attempt to explain where possible the analogical changes (1) Uspanteko fi:k' 'hawk' (compare Proto-K'ichean *fihk 'hawk',

a glottalised velar stop.) *fi:k' 'wing'). (NOTE: the loss of h is not relevant to this problem; k' =

Analogical Change

- sahbin or saqbin; compare Proto-Mayan *saq 'white', Tzeltal ik' 'black'). (2) Tzeltal dialects ik'bin 'weasel' (other Mayan languages have
- pare if- 'female prefix', xay 'house' + -il 'suffix' ('pertaining to'). (3) Kaqchikel -ifqa?il 'wife' became -ifxayil in some dialects (com-
- consonants). 'face', *in-wič 'my face'; note w- 'my' before vowels, in- 'my' before (4) Yucatec ič 'face', w-ič 'my face' (compare earlier form *wič