Morphological change

Principles of language change

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Where do bound morphemes such as English –*ly* (adverb) and –*ed* (past tense) come from?

Derivational morphemes often develop from compounds:

-ly N meaning 'body' ('mann-lic')

-hood N meaning 'person', 'sex', 'quality'

Inflectional morphemes often develop from function words:

```
hus-et (Swedish) <-> *hus det
```

walk-ed <-> *walk did

Latin

V-INF have to

cant-are habeo

cant-are habes

cant-are habet

cant-are habermus

cant-are habetis

cant-are habent

Latin V-INF have to	Spanish V-FUT-AGR	Gloss
cant-are habeo	cantaré	'I'll sing'
cant-are habes	cantarás	'you'll sing'
cant-are habet	cantará	'he'll sing'
cant-are habermus	cantaremos	'we'll sing'
cant-are habetis	cantareís	'you'll sing'
cant-are habent	cantarán	'they'll sing'

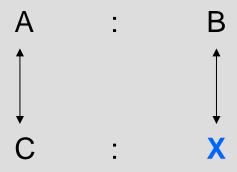
Verb	
n-oa	'I'm going'
n-oa	'you are going'
d-oa	'he/she is going'
g-oaz	'we are going'
z-oas	'you are going'
d-oaz	'they are going'

Verb		Pronoun	
n-oa	'I'm going'	ni	11'
n-oa	'you are going'	hi	ʻyou'
<mark>d-</mark> oa	'he/she is going'	-	'he/she'
g-oaz	'we are going'	gu	'we'
z-oas	'you are going'	zu	ʻyou'
d-oaz	'they are going'	-	'they'

A : B

```
A : B

C :
```



change : changable

the changable is changable wash

change : changable

the change is changable to the change to the changable wash : washable in the changable is changable to the changable is changable.

car : cars

1

ziff : ziff-[s]

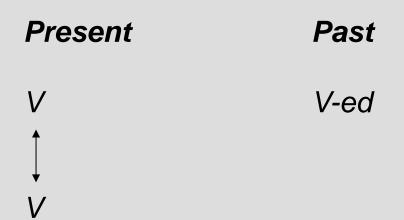
zo : zo-[z]

zax : zax-[əz]

The English past tense

Present Past

V V-ed





Old English		Modern English		
climb step	clomb stope	climb step	climbed stepped	
laugh	low	laugh	laughed	

Irregular

throw-threw-thrown strive-strove-striven dream-dreamt-dreamt hang-hung-hung light-lit-lit cleave-clove-cloven

Regular

throw-throwed-throwed strive-stroved-stroved dream-dreamed-dreamed hang-hanged-hanged light-lighted-lighted cleave-cleaved-cleaved

spoil : spoilt/spoiled

wake: woke/waked

speed: speeded

stink : stank/stunk

thrive: throve/thrived

spill : spilt/spilled

learn : learnt/learned

Original		New	
dive	dived	dive	dove
catch	catched	catch	caught

land landscape

sea seascape

moon moonscape

Japan Japanese

journal journalese mother motherese

Hypercorrection

'dark'

'court'

[da(r)k]

[t(r)c]

'avocado'

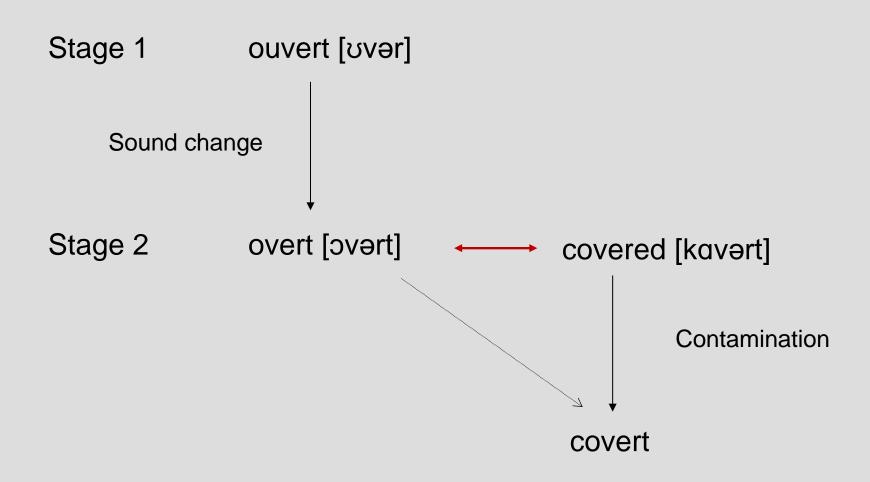
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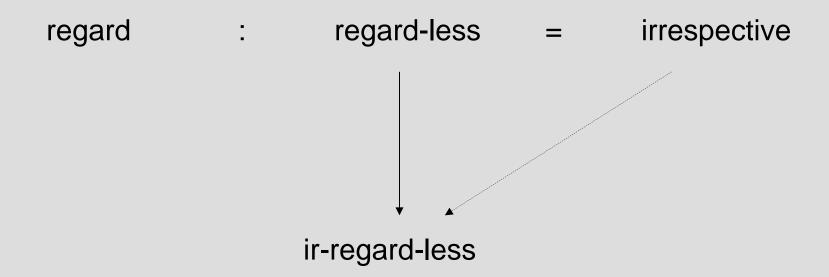
Hypercorrection

Peter and me went swimming. Peter and I went swimming.

Sally talked to Peter and me. Sally talked to Peter and I.

an ewt — a newt an ekename — a nickname





Frankfurter Hamburger Morphological reanalysis Ham+Burger Analogical extension Cheese+Burger

Backformation

Established pattern

to exhibit – exhibit-or

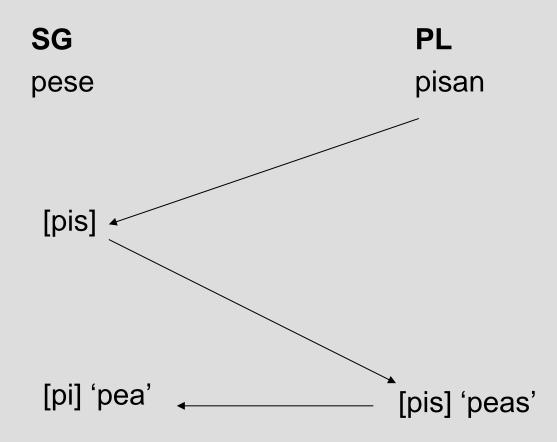
>> editor > to edit

Back formation

printer – to print >> laser > to lase

maintenance – to maintain >> surveillance > to surveille

Backformation



Competing patterns

```
'sword' [sword] > [sord]

[w] → Ø / s_o

'swore' [swor] ← 'swear' [swer]

'swollen' [swoll] ← 'swell' [swel]
```

Sound change is regular, but produces irregularity; analogy is irregular, but produces regularity.

	Latin
1SG	ámo
2SG	ámas
3SG	ámat
1PL	amámus
2PL	anátis
3PL	ámant

	Latin	Old French
1SG	ámo	aim
2SG	ámas	aimes
3SG	ámat	aimet
1PL	amámus	amons
2PL	anátis	amez
3PL	ámant	aiment

	Latin	Old French	Modern French
1SG	ámo	aim	aime
2SG	ámas	aimes	aimes
3SG	ámat	aimet	aime
1PL	amámus	amons	aimons
2PL	anátis	amez	aimez
3PL	ámant	aiment	aiment

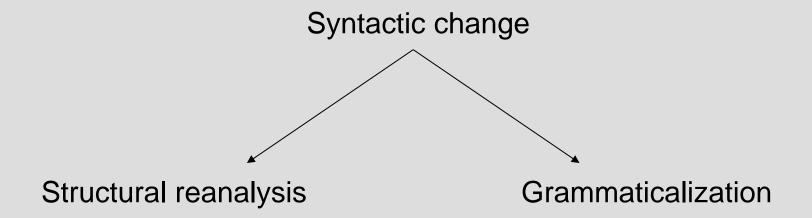
	Old Englis	h
Present	ce:osan	[z]
Past SG	ce:as	[s]
Past PL	curon	[r]
Past PTC	gecoren	[r]

	Old English		Modern English	
Present	ce:osan	[z]	choose	[z]
Past SG	ce:as	[s]	chose	[z]
Past PL	curon	[r]	chose	[z]
Past PTC	gecoren	[r]	chosen	[z]

	OHG	
Present	kiu s an	[z]
Past SG	ko: s	[s]
Past PL	kurun	[r]
Past PTC	giko r an	[r]

	OHG		PDG	
Present	kiu s an	[z]	kü r en	[r]
Past SG	ko:s	[s]	kor	[r]
Past PL	kurun	[r]	kor	[r]
Past PTC	giko r an	[r]	gekoren	[r]

Structural reanalysis



Mir hat der Film nicht gefallen.

Mir leuchtet das nicht ein.

Mir sind viele Menschen begegnet.

Mir ist kalt.

I didn't like the movie.

I don't understand that.

I met many people.

I am cold.

than cynge licoden peran.

The-DAT king-DAT were-pleasing pears

'Pears were pleasing to the king' (i.e. The king liked pears)

Dem König gefallen die Birnen.

The king liceden peares

the king were-pleased pear-s

'Pears were pleasing to the king' (i.e. The king liked pears)

The king liked pears.

He liked pears.

I believe that she will take the job.

English

Ich verstehe, dass Sie nicht kommen. German

Ik weet dat hij veel vrienden heeft. Dutch

Jag trodde, att hans sista stund var kommen. Swedish

Middle High German

```
gizalta
                          sâr
joh
                                       thaz,
                                                    sâlida
               in
                                             thiu
                                     that
      told
                          immediately
                                             the
                                                    luck
and
               them
untar
        in
               uuas
      them
among
                was
```

'And he told them immediately that good fortune was among them.'

I can tell you this: I won't talk to that guy.

Old English

```
ðæt gefremede Diulius hiora consul, that arranged Diulius their consul
```

```
ðæt angin wearð tidlice ðurthogen COMP that beginning was in.time achieved
```

^{&#}x27;Their consul Diulius arranged (it) that it was started on time.'

```
(1) Ic hæbbe [bo-ne fisc gefange-ne]
I have the-ACC fish caught-ACC 'I have the fish caught'

(=I have the fish in a state of being caught)
```

(2) thin geleafa hæfth the gehæled.
your faith has healed you.'

(3) thin geleafa hæfth gehæled the.

your faith has healed.ø you

'Your faith has healed you.'

Otto Behagel

Things that belong together occur together.

The origins of head marking



Swahili (Bantu)

The origins of head marking

```
(1) a. Jean donnera le livre à Marie.

SU V DO IO

'John will give the book to Mary.'
```

b. II te le donnera.
SU IO DO V
'He you-it-will give'.

```
(2) Jean, il-te-le-donnera, le livre. NP, SU-IO-DO-V, NP
```

Analogy

cact-us : cact-i

radi-us : radi-i

octopus : actopodes