Hybrid inflection in late Middle and Early Modern English and the regularization of English strong verbs

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Main hypothesis of larger project

Large-scale regularization of originally strong verbs was a historical event that took place in late Middle and Early Modern English...

NOT a manifestation of a pervasive tendency for irregular items to regularize.

Overview of this talk

- Part I: Quick crash course in historical English verb inflection
- Part II: Regularization, variation, hybridization
- Part III: Hybrid strong/weak verb classes in Middle English
- Part IV: Hybrid strong/weak verb classes in Early Modern English

Part I: Quick crash course in historical English verb inflection

Strong vs. weak

Many PDE irregular verbs descend from Germanic "strong" patterns – forming past tense with root-vowel change (ablaut) but no tense suffix and participle (originally always) with -en suffix (with or without a root vowel change): drive—drove—driven, etc.

-(e)d and -t suffixes reflect Germanic "weak" pattern — which originally never entailed any root-vowel change.

Irregular weak verbs

Verbs with orthographic -t suffix — and a few with -d are "weak irregulars"; some have developed root-vowel alternations:

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keep—kept; mean—meant; leave—left...
tell—told; say—said...
teach—taught; seek—sought...
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In a few cases, -t replaces root-final -d:

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send-sent; lend-lent...
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"No-change" verbs

Verbs whose past tense is identical to their present all end in -t or -d; historically some reflect old strong patterns:

let; shed; beat—beat(en)

others old weak patterns:

set; rid; put; etc.

"Vowel-shortening" verbs

Another class with roots ending in -t or -d that also reflects a historical mix of old strong:

slide—slid; bite—bit(—bitten); shoot—shot
and weak patterns:

hide-hid(-hidden); feed-fed

Type I and 2 weak verbs

Early Middle English (ca. 1150-1350) maintained a pretty consistent distinction between two types of weak verbs:

Type I: Past tense -t(e) or -d(e) suffix was attached directly to the end of the verb.

Type II: A "connecting" schwa preceded the -t(e) or -d(e) suffix.

Types I and 2 in the present tense

Southern and Southwestern dialects of early Middle English

maintained a type-I-vs.-2 distinction in present tense forms as well.

The present-tense forms of class-I weak verbs were the same as those of **strong** verbs.

Part II: Regularization, variation, hybridization

Bloomfield 1933 (1)

"Some nouns fluctuated: [feld] 'field,' plural ['felda] or ['feldas]. We do not know the origin of this fluctuation, but, once granted its existence, we can see in it a favoring condition for the spread of the [-as]-plural. A neologism like ['sunas] instead of older ['suna] 'sons' would perhaps have had no better chance of success than a modern *foots*, had it not been for the familiar fluctuation in cases like the word 'field."" (p. 410)

Bloomfield 1933 (11)

"We must suppose that in the sixteenth century, owing to antecedent developments, there were enough alternative plural-forms (say, eyen: eyes, shoon: shoes, brethren: brothers) to make an innovation like cows relatively inconspicuous and acceptable." (p. 409)

Morphological blocking and the "Unique Entry Principle"

"irregularly inflected forms do not coexist with their regular counterparts; if an irregular form exists in a word-specific paradigm, its regular alternative formed by the general affix paradigm is blocked" (Pinker 1996:177)

Hybridization: one type of inflectional variation

"... in some cases, overabundance amounts to hybridization of inflection classes: a group of lexemes forms a class that is a hybrid between two other inflection classes in that it simultaneously allows inflection strategies from both." (Guzmán Naranjo and Bonami 2016)

Distinguishing hybridization from other kinds of inflectional variation

Guzmán Naranjo and Bonami (2016) show that the members of hybrid inflection classes have characteristic phonological shapes, just like non-hybrid inflection classes (cf. Bybee and Moder 1983) Pinker's "Unique Entry Principle" may hold true in languages (and language stages) that lack hybrid inflectional classes.

But when hybrid inflection classes emerge, inflectional variation becomes **normal** (Bloomfield: "relatively inconspicuous and acceptable") for items with certain phonological properties.

Part III: Hybrid strong/weak verb classes in Middle English

Some hybrid classes

ou: flow, row, sow, low, crow, grow, blow, know, mow

eu: rue, brew, hew, chew, (au: gnaw)

Root final labials:

p: yelp, help, warp, step, shape, reap, (leap, sleep, weep, creep), ((m)b: climb

v: starve, carve, swerve, delve, shave, grave, shove, heave sh: wash, thresh

back vowel + k ??: bake, ache, brook, 'suck', (wreak)

th: seethe, writhe, [mīthen, līthen, snīthen]

Before 1375:

Weak tokens attested for only a small number of originally strong verbs.

From 1375 on:

Weak numbers increase for some, but not all, verbs that previously showed strong/weak variation.

Verbs phonologically similar to those that showed strong/weak variation before 1375 are attracted into the hybrid classes.

strong weak flow 8 6 3 row 0 crow 29 0 sow 15 0 grow blow 27 0

	strong	weak
flow	5	19
row	2	10
crow	13	1
sow	101	13
grow	84	18
blow	94	3

	strong	weak
rue	17	3
brew	5	0
hew	35	1
chew	0	0
gnaw	17	0

	strong	weak
rue	3	21
brew	12	7
hew	90	18
chew	0	11
gnaw	54	3

strong weak yelp 5 0 help 0 32 63 warp 3 step 27 shape 70 17

5

reap

0

	strong	weak
yelp	1	2
help	80	14
warp	17	20
step	11	10
shape	242	29
reap	26	7

	strong	weak
starve	18	2
carve	64	0
swerve	4	0
delve	29	0
shave	7	4
grave	9	6
shove	31	0
heave	91	11
weave	5	0

	strong	weak
starve	30	5
carve	121	6
swerve	2	9
delve	79	12
shave	52	8
grave	86	16
shove	51	29
heave	66	20
weave	41	12

	strong	weak
wash	47	2
thresh	10	0
wax	85	0
seethe	25	1
writhe	11	0
mīthen	0	0

	strong	weak
wash	189	40
thresh	14	9
wax	155	27
seethe	89	8
writhe	62	7
mīthen	0	5

	strong	weak
bake	5	0
ache	5	0
brook	0	0
'suck'	15	1
wreak	28	0
swallow	13	3
[berwen]	9	1

	strong	weak
bake	36	3
ache	3	1
brook	0	2
'suck'	19	12
wreak	47	3
swallow	4	58
[berwen]	4	4

Part III: Hybrid strong/weak verb classes in Early Modern English

JOHANNIS WALLIS,

SS. Theol. Doctoris, & Geometriæ
Professoris Saviliani in Celeberrima
Academia

OXONIENSI,

GRAMMATICA

LINGUAE ANGLICANAE:

Item,

Tractatus Grammatico-Physicus de LOQUELA

five Sonorum Formatione.

Cui subjungitur

JOHANNIS PODENSTEINER

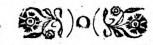
CLAVIS

Linguæ Anglicanæ:

GUILIEL MI PERKINS Tractatu Anglico

De

FUNDAMENTO RELIGIO-NIS CHRISTIANÆ.



Anno M DC LXXXIIX.

Sumtibus Vidua G OTFRIED SCHULTZEN,

Bibliopolæ Hamburgensis.

sudo, to sit sedeo, to quit libero, to smite percutio, to write scribo, to lite mordeo, to hit percutio, to meet occurro, to shoot ex machina projicio. Item lent, rent, sent, girt, &c. (pro tend'd, send'd oc. vel lendt, sendt, o.e. a verbis to lend mutud do, to send mitto, to rend lacero,

to gird cingo.

Verbaautem hanc Anomaliam feu contractionem passa, admittunt ut plurimum etiam formam regularem, non minus eleganter quam hanc contractam; ut placed, fished, beleeved, bereaved, girded &c. vel plac'd, fish'd & c. Nisi fortassis cacophonia nonnunquam impediat syncopen passa, (ut girdd) aut etiam (in Verbis frequentissimi usus) celeritas pronunciandi contractiorem formam in quibusdam ut plurimum suadeat: unde kept, wept, fere semper dicimus; keeped, weeped, rarius.

Anomalia secunda etiam frequensest, sed solummodò Participium Passivum spectat: Nempe Participium Passivum olim sæpissime formabatur in en: Cujusmodi satis multa adhuc retinemus, præsertim ubi Præteritum Imperfectum insignem aliquam anomaliam patitur. (Atque hæc

hæc quidem Altera Participii Formatio, potiùs quam Anomalia, non incommodè dici potest.)

Ut beenstaken given, slay'n, know'n, &c. a Verbis to be essento take accipio, to give do, to

flay occido, to know cognosco.

Et quidem nonnunqum post Præteriti Impersecti & Participii Passivi communem sive contractionem sive anomaliam, etiam hæc Participii Passivi peculiaris anomalia accedit. Scilicet tam written, bitten, eaten, beaten, bidden, chidden, shotten, rotten, shosen, broken, crc, quam writt, bitt, eat, beat, bidd, shidd, shidd, shott, rott, chose, broke, crc, in Participio Passivo (at nonitem in Præterito Impersecto) promiscue estecuntur; a verbis to write scribosto bite mordeo, to eat edo, to beat verbero, to hide abscondo, to chide objurgo, to shoot projicio, to rot putresco, to choose eligo, to break frango; aliáque ejusmodi multa.

Item promiscue formantur Participia sow'n, shew'n, hew'n, mow'n, loaden, taden; atque sow'd, shew'd, hew'd, mow'd, loaded, laded; a Verbis to sow sero, to shew ostendo, to hew dolo, to mow meto; to load vel lade, onero. Aliáque forsan aliquot similia.

alia, sed rarius. Quædam in Participio Passivo assument etiam en, ut stricken, druneken, bounden. Sed & utrobique sorma analoga sere in omnibus retinetur, ut spinned, wimmed, or c.

- tendo, seek, quæro, beseech, oro, catch, capio, buy, emo, bring, affero, think, cogito, Work, operor: faciunt fought, taught, raught, sought, besought, caught, bought, brought, thought, Wrought. Sed & ex his non pauca analogiam retinent, ut teached, reached, beseeched, outchet, Worked, or.
- Take, capio, shake, quatio, forsake, descro, Wake, (awake) evigilo, stand, (olim fread) sto, break, frango, freak, loquer, bear, fero, pario, hear, tondeo, swear, juro, tear, lacero, Wear, induo, tero, Weave, texo, cleave, hæreo, cleave (olim clive) findo, frîve, contendo, thrive, ditesco, drive, pello, shine, splendeo, rîse, (arîse) surgo, smîte, percutio, wrîte, scribo, bide, (abide) manco, rîde, equito, cheese, (chuse) eligo, tread, conculco, get, acquiro, beget, gigno, forget, obliviicor, seethe, coquo: faciunt utrobique took, shook, forsook, Woke, awoke, soad, broke, foke, bore, shore, sware, tore, wo-Ke, Wove, clove, strove, throve, drove, Shône, rôse, arôse, smôte, Wrôte, bôde, abôde, rôde, chôse, trodd, gott, begott, forget, sed & utrobique dicimus etiam H 3 thr ver

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thrive, rise, smitt, Writt, abidd, ridd. In Præterito Impersecto quædam etiam sormantur per a ut brake, spake, bare, share, sware, tare, Ware, clave, gat, begat, forgat, & fortasse quædam alia sed rariùs. In Participio Passivo sormantur eorum non pauca etiam per en; ut taken, sbaken, forsaken, brô, ken, spôken, born, (born) shôrn, swôrn, ter'n, Wôr'n, Wôuen, clôven, thriven, driven, risen, smitten, Written, ridden, chôsen, tradden, gotten, begotten, forgotten, sodden, Multa etiam, utrobique retinent analogiam, ut Waked, awaked, beared, sheared, weared, cleared, thrived, abîded, choosed, seethed, orc.

4. Give, do, bid, iubeo, st, sedeo, saciunt in Præterito Impersecto gave, bade,
sate: In Participio Passivo, given, bidden, steten. Sed & utrobique bidd, sitt. Atque hue
referenda sunt multa ex primâ & tertià
classe, quæ sormant Præteritum ImperseEtum etiam in a.

go, grow cresco, throw scio, snow ningo, grow cresco, throw jacio, blow sto,
crow cano, (instar Galli) sty volare, slay
occido, see video, sy jaceo, faciunt Præterita Impersecta drew, knew, snew, grew,
threw, blew, crew, slew, slew, saw, tay;
Participia Passiva per en, draw'n, know'n,
snow'n, grow'n, throw'n, blow'n, crow'n,
styen (slow'n) slay'n, seen, syn, (lay'n)
Sed & utrobique draw'd, snow'd, throwed,
blow'd, crow'd. At a slee sugio sit sledd.

Rethinking regularization

Linguists have generally understood regularization in strictly <u>negative</u> terms: Irregular forms are <u>lost</u> and replaced by default forms.

The evidence from English verbs suggests that regularization may at least sometimes entail the emergence of a new kind of non-default class: hybrid classes in which regular and irregular forms co-exist.

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