How "mixed" is English, really?

Don Ringe, July 1999 revised September 2009

It is generally agreed that English is a language of unusually mixed ancestry; but how much mixture of languages is really involved? The purpose of this handout is to give you an accurate and detailed answer to that question. I investigate two areas of the language that are agreed *on independent grounds* to be the "core" of any language's idiosyncratic resources, maximally resistant to change. The first is the inflectional morphology of the language; the second is the crosslinguistic "basic" vocabulary worked out by Morris Swadesh in the 1950's for anthropological (not historical / philological) purposes.

It will be seen that the core of English is still thoroughly Anglo-Saxon —in fact, much of it goes back to Proto-Indo-European by the usual channel of linguistic transmission, i.e. first-language learning by children on the basis of the speech of their elders—but even in the core there are some Norse, and a very few French, elements. To the non-linguist they don't look like much, but it is startling to find *any* Norse pronouns in English, or *any* Norse influence (indirect though it is) on English inflection—and that's what we mean when we say that English is a "mixed" language. (Less basic vocabulary, and some derivational morphology, are typically much less resistant to change; most languages are "mixed" in those areas, and English is NOT special in that regard.) You will see that the real situation is a far cry from the popular misconception that languages can "merge".

Throughout this handout ME = Middle English, ModHG = Modern High German, OE = Old English, OF = Old French, OHG = Old High German, OIr. = Old Irish, ON = Old Norse, PC = Proto-Celtic, PG = Proto-Germanic (the reconstructed ancestor of the Germanic languages), PIE = Proto-Indo-European (the reconstructed ancestor of all the Indo-European languages), Skt. = Sanskrit; sg. = singular, pl. = plural, nom. = nominative case, acc. = accusative case, gen. = genitive case, dat. = dative case, masc. = masculine, fem. = feminine, neut. = neuter, coll. = collective, pres. = present, 3 = third person, ptc. = participle, adj. = adjective. The shaftless arrows <, > indicate development by regular sound change; \leftarrow , \rightarrow indicate development by other types of linguistic change processes.

1. Inflectional morphology.

In this section I will note ON and OF influence in boldface. Noun plurals:

- -(e)s < OE -as (nom./acc. pl. ending of masc. a-stems) < nom. pl. *-ōs; the *-s is surprising, but is shared by Old Saxon; the PG ending was *-ōz < PIE *-o-es
- [the irregular voicing of stem-final fricatives, as in *wife : wives, mouth : mouths, house : houses* also goes back to OE, where it was the regular result of a pre-OE sound change; English has been gradually eliminating it for some centuries now]
- Ø (i.e. zero ending, as in *sheep*) < OE Ø (nom./acc. pl. ending of neut. a-stems with heavy stem syllables) < *-u < PG *-ō < *-ā < PIE
 *-a-h₂ < coll. *-e-h₂
- oxen < OE oxan (nom./acc. pl. of masc. n-stem oxa) < (post-)PG nom. pl. *uhsan-iz, acc. pl. *uhsan-unz; stem-final *-an- replaces expected *-in-, but otherwise these forms reflect PIE nom. pl. *uksén-es, acc. pl. *uksén-ns (note that the sequence -an was originally part of the stem, but was reinterpreted as an ending in OE when the original endings were lost)
- *children* shows the addition of *-en* in the ME period to a form that was already plural, reflecting late OE *ċildru* (nom./acc. pl. of neut. z-stem *ċild*); this noun can't be traced much farther back than OE, but the ending is PG *-iz-ō (again, the sequence *-iz- was really part of the stem at that period) < post-PIE *-es-ā, replacing PIE *-ōs
- type mouse, pl. mice < OE mūs, nom./acc. pl. mys < PG *mūs, nom. pl. *mūs-iz < PIE *mūs, nom. pl. *mūs-es; there are only seven of these "umlauting" plurals left in English, but there were more than

a dozen in OE, still more in PG (where they still had recognizable nom. pl. endings, not umlaut), and a very large number in PIE (likewise with endings, not umlaut)

Noun possessive 's < OE -es (gen. sg. ending of a-stems), though the ME development was complex (see Allen 1997 with references, Kroch 1997:133-5); OE -es < -æs < PG *-as < PIE *-osyo

Comparison of adjectives:

- comparative -*er* < OE -*ra*(*n*-), -*ora*(*n*-) < PG *-izan- ~ *-izōn-, *-ōzan-~ *-ōzōn-; the n-stem extension is a Germanic innovation, and so is the initial *-ō- of the second form of the suffix, but *-iz- directly reflects PIE *-is-, unaccented "zero-grade" form of the elative suffix *-yós- (meaning 'especially ...' or 'rather ...')
- superlative *-est* < OE *-est, -ost* < PG *-ista-, *-ōsta-; as above, the latter is a Germanic innovation, but the former reflects PIE *-is-to-, an intensifying extension of the elative suffix (meaning 'exceptionally ...' or 'most ... of all')
- the perphrastic comparison *more* ..., *most* ... looks like a loan translation from French, but could easily have arisen independently (it's a very natural thing to do)

Verb endings:

- pres. 3sg. -*s* < late Northumbrian OE -*es*, a variant of inherited -*eb* that clearly reflects **ON influence** (see Kroch, Taylor, and Ringe 2000 for discussion), though the ending was NOT borrowed from ON
- pres. ptc. and gerund *-ing* exhibit some obscurities of development: the gerund apparently reflects OE *-ing*, *-ung*, a derived verbal noun suffix which has cognates in other Germanic languages but doesn't go back any farther; the ptc. might have developed partly from such phrases as *a' singing*—literally 'on singing', with the gerund —but already in the ME period the old ptc. suffix *-ende* had been replaced in the southern and central dialects by *-inge*, the source of which does not seem to be the gerund suffix
- past and past ptc. -(*e*)*d*, -*t* < OE past (3sg.) -*te*, -*de*, -*ede*, -*ode* and past ptc. -*t*, -*d*, -*ed*, -*od*; the various vowels (or lack thereof) marked

different classes of verbs; the past ending reflects PG (3sg.) *-dē (*-tē in a few verbs), which actually appears to be a reduced form of the ancestor of English *did* (!) and is a striking Germanic innovation; the past ptc. ending reflects PG *-da- (*-ta-) < PIE verbal adj. suffix *-tó-.

- type sing, sang, sung (with various vowel alternations) < OE pres. (infinitive) singan, past (3sg.) sang, past ptc. sungen < PG *sing^wana, *sang^w, *sungana- < PIE pres. *séng^{wh}-e/o-, perfect (3sg.) *se-sóng^{wh}-e, verbal adj. *sng^{wh}-nó- (the latter with the suffix remodelled in PG—and this particular verb meant something like 'chant' in PIE)
- am, art (archaic), is < OE eam, eart, is; the second-person form is not found in any other attested Germanic language, though it probably reflects an irregular PG verb; the vowel of the first-person form was probably introduced by analogy from the second-person form, but otherwise eam, is reflect PG *immi, *isti < PIE *h1es-mi, *h1es-ti
- *are* < Northumbrian OE pl. *arun*, from the same original verb as *art*; in other dialects of OE the pl. was *sind* < PG *sindi < PIE *h₁s-enti
- was, were < OE (1&3sg.) wæs, (pl.) wæron < PG *was, (3pl.) *wēzun; this is a past tense newly formed in Germanic to *wes- 'remain, be' < PIE *h₂wes- 'stay overnight'
- *be* < OE (infinitive) *beon* ultimately reflects PIE *b^huh₂- 'become', though the intermediate stages are complex and partly obscure
- It seems reasonable to include in this section the pronouns, which belong to small closed classes and are in effect "grammatical".
 - *I*, *me*, *my* ~ *mine* < OE nom. *ic*, acc. *mec*, dat. *mē*, gen. and adj. *mīn* < PG *ek ~ *ik (the latter form originally unstressed), *mek ~ *mik, *miz, adj. *mīna-; the nom. and the stem of the other forms reflect PIE *égh₂ and acc. *(m)mé ~ *me, though considerable innovations have taken place in Germanic
 - *we, us, our* ~ *ours* (the last with possessive -*s*) < OE nom. *wē*, acc. and dat. *ūs*, gen. and adj. *ūre* < PG *wīz ~ *wiz, *uns, *unsera-; *wīz <

*wéy-es, with added plural ending, replacing PIE *wéy, and *uns reflects the first syllable of PIE acc. *nsmé, but again there have been considerable innovations

- *thou, thee, thy* ~ *thine* (all now archaic) < OE nom. *þū*, acc. *þec*, dat. *þē*, gen. and adj. *þīn* < PG *þū, *þek ~ *þik, *þiz, adj. *þīna-; < PIE nom. *túh₂, acc. *twé ~ *te, with innovations
- ye, you, your ~ yours (the first now archaic) < OE nom. gē, acc. and dat. ēow < īow, gen. and adj. ēower < īower (i.e., in both the latter cases the forms with īo are older); < PG *jūz, *izwiz, *izwera-; PIE had nom. *yú, acc. *uswé, and in this pronoun the Germanic innovations were massive
- he, him, his, her, her ~ hers, it, its all reflect various forms of OE (masc.) hē, (fem.) hēo, (neut.) hit; this was originally a PG demonstrative *hi- ~ *he- 'this' < PIE *ki- ~ *ke-
- *she* is of very unclear origin; it might have developed out of OE *hēo* in some ME dialect and have spread because it was so distinctive (in most dialects *hēo* had merged with masc. *hē* by regular sound change)
- *they, them, their* ~ *theirs* < **ON** *peir, peim, peira* 'those' and 'they'; this is a rare example of a language *apparently* borrowing a pronoun—in fact, a sign of imperfect 2nd-language learning (see Kroch, Taylor, and Ringe 2000)
- *that, those* (the latter with added pl. *-s*) < OE (nom./acc. neut.) *þæt,* (nom./acc. pl.) *þā;* the history of the pl. form is complex, but the word clearly reflects PG *þat, stem *þa- < PIE *tód, stem *to-
- *this, these* < OE (nom./acc. neut.) *þis* with an innovative pl.; this demonstrative pronoun was formed from the preceding in pre-OE by adding enclitic particles in a pattern similar, but not identical, to what was done in other Germanic languages
- who, whom, whose, what < OE nom. masc./fem. hwā, dat. hwām, nom./acc. neut. hwæt (the possessive was formed later with possessive -s) < PG *h^wa- < PIE *k^wo- 'which?' (adj.)
- Finally, it should be pointed out that all the numerals up to thousand are

directly descended from their OE counterparts, except for the ordinal *second*, which was **borrowed from OF**, and the ordinal *first*, which originally meant 'first' in a more general sense and replaced OE *forma* as the ordinal numeral.

2. Basic vocabulary.

In this section words are arranged by origin; I include all items in the Swadesh 100-word list, even those discussed above.

Words borrowed from Old French into Middle English:

human (adj.) \leftarrow OF humain < Latin (Lat.) hūmānus (perhaps derived from homō 'human being', but the \bar{u} is puzzling); the OE word was mann (see below)

mountain ← OF montaigne < late Lat. *montāneus ← Lat. montānus
(adj.) 'mountainous, of mountains', derived from mōns, mont'mountain'; the OE words were beorg and munt (the latter independently borrowed from Latin)</pre>

round ← OF *rond* < Lat. *rotundus*, derived from *rota* 'wheel'; the OE word was *sinwealt*

Old English word whose shape has been influenced by an OF word:

hair < ME heer, haire < OE hār < Proto-Germanic (PG) *hērą (cf. ON hár, etc.); but also ← OF haire 'hair cloth, hair shirt' ← Frankish *hārja ← < PG *hērijō (cf. OHG hārra) derived from *hērą</p>

Words borrowed from Old Norse into ME or late OE:

- skin \leftarrow ON *skinn* 'hide' < PG *skinþą (cf. ModHG *schinden* 'to flay', etc.); the OE word was $h\bar{y}d$ (> *hide*)
- egg ← ON egg < PG *ajją; the OE word was ācġ, also inherited < PG *ajją
- root \leftarrow ON rót < PG *wrōt-, ultimately related to Lat. $r\bar{a}d\bar{i}x$; borrowed already in late OE, but the usual OE words were *wyrttruma* and *wyrtwala* (the latter cognate with ModHG *Wurzel*)
- bark ← ON *bqrkr, bark-* < *barkuz (no further cognates); the OE word seems to have been *rinde* (> *rind*)

die ← ON *deyja* < PG *dawjaną (cf. OHG *touwen*, etc.); the verb does

not survive in OE (which instead uses *steorfan* (> *starve*) and *sweltan*), but cf. PG *daudaz > OE *dēad* > *dead* and PG *daubuz > OE *dēab* > *death*

- big ← ON?: the word first appears in northern England in the 13th c.; cf. Norwegian dial. *bugge* 'strong man', suggesting an (unattested) ON slang term from which the English word was borrowed; the OE word was *micel* (> *Mitchell*)
- OE word whose shape has been influenced by an ON word:
 - give < OE *ģiefan* and ON *gefa* < PG *gebaną; the initial /g/ can only be from ON, since OE *ģiefan* developed into *yeve* (actually attested in early ModE)
- ME word of doubtful origin:

kill < ME *killen, cullen;* connection with OE *cwellan* (> *quell*) doubtful OE words of obscure origin:

dog < OE *dogga* 'draft dog'; 'dog' in OE was *hund* (> *hound*) bird < OE *bridd* 'young bird'; 'bird' in OE was *fugol* (> *fowl*) cloud < OE *clūd* 'rocky hill'; 'cloud' in OE was *wolcen*

OE words with partial or approximate cognates in other Germanic lgg.:

- this < OE neuter *bis* (masc. *bēs*, fem. *bēos*): this pronoun arose by conflation of the fully inflected basic demonstrative ('that', see below) and a following particle, so that the original inflectional endings wound up in the middle of the word; each Germanic language resolved that anomalous situation by shifting the endings to the end, tacking on new endings, etc., and in each language the details are somewhat different (so that *this*, Netherlandic *dit*, ModHG *dieses*, etc. are not exactly cognate)
- not < ME not, nat, unstressed form of nought, naught 'nothing, nought' < OE $n\bar{a}wiht \leftarrow ne$ 'not' + $\bar{a}wiht$ 'anything', the latter $\leftarrow \bar{a}$ 'ever' + wiht 'creature, thing'; cf. ModHG nicht, which reflects a conflation of the first and last of those elements (without the middle one)
- woman < ME wuman < OE wīfmann 'female person' ← wīf 'woman, female' (> wife) + mann 'human being' (see below); OE wīf < PG *wība 'woman' (cf. OHG wīb, etc.)

neck < OE *hnecca* 'nape of the neck'; related, but not identical in formation, are ON *hnakkr* and OHG *hnac;* 'neck' in OE was *heals*

- smoke < OE smoca, derived from smēocan 'to smoke' = Middle Dutch smieken < PG *smeukaną; some other related words occur, but none is an exact cognate of the OE noun; another OE word for 'smoke' was rēoc (> reek)
- dry < OE *drȳge* < *drūgijaz; cf. *drēagnian* 'to dry out (intr.)', Netherlandic *droog*, etc. < *draug-, but there are no exact cognates of the OE word

PG words of obscure origin:

meat < OE mete 'food' < PG *matiz (cf. Gothic mats, etc.); 'meat' in OE was $fl\bar{a}sc$ (> flesh) blood \leq OE $bl\bar{o}d \leq$ PG *bloda (cf. Goth. $bl\bar{o}b$, etc.) bone $\leq OE \ bain \leq PG \ * baina \ (cf. ON \ bein, etc.)$ mouth $\leq OE m\bar{u}b \leq PG * munbaz$ (cf. Goth. *munbs*, etc.) liver < OE *lifer* < PG *librō (cf. ON *lifr*, etc.) hand < OE hand < PG *handuz (cf. Goth. handus, etc.) $claw < OE \ clawu \leftarrow clea < PG \ *klewo \ (cf. OHG \ klawa)$ rain < OE regn < PG *regna (cf. Goth. rign, etc.) stone < OE *stān* < PG *stainaz (cf. Goth. *stains*, etc.) swim < OE swimman < PG *swimmana (cf. ON svimma, etc.) sleep < OE *slæpan* < PG *slēpaną (cf. Goth. *slēpan*, etc.) drink < OE *drincan* < PG *drinkana (cf. Goth. *drigkan*, etc.) burn < OE *birnan* < PG *brinnana (cf. Goth. *brinnan*, etc.) small < OE *smæl* 'narrow, small' < PG *smalaz (cf. ON *smalr*, etc.) green < OE grēne < PG *grōnijaz (cf. ON grænn, etc.; related to OE growan (> grow), etc., but no cognates outside Germanic) $good < OE g\bar{o}d < PG * g\bar{o}daz$ (cf. Goth. $g\bar{o}bs$, etc.) Word borrowed into PG: path \leq OE $p \alpha p \leq$ PG *pabaz \leftarrow Iranian (Scythian?) *pa θ - (cf. Avestan pantå, pa θ -) PG innovations based on inherited roots:

you < OE pl. acc. & dat. $\bar{e}ow < \bar{i}ow < *iwwi < PG *izwiz (cf. Goth.)$

izwis): the PG form reflects the PIE stressed accusative *uswé (elsewhere remodelled as *usmé > Doric Greek $h\bar{u}m\dot{e}$; further remodelled in Sanskrit (Skt.) yusman); on the complex remodelling in Germanic see Joshua Katz's 1998 Harvard dissertation

- fat < OE adj. *fætt* 'fat(tened)' < PG *faitidaz (cf. OHG *feizzit*), ptc. of
 *faitijaną 'to fatten', derived from adj. *faitaz 'fat' (cf. ON *feitr*):
 cf. PIE *pí-won- 'fat' > Skt. *pívan-*, Greek *píon-*; the PG words
 must be based on an o-grade form *poy(H)-, though the details are
 unclear; the noun 'fat' in OE was *smeoru*
- eye < OE *ēage* < PG *augōn- (cf. Goth. *augō*, etc.): a reflex of PIE *h3ok^w- 'eye', but drastically remodelled on the analogy of PG *auzōn- 'ear' (see below)
- head < OE *hēafod* < PG *haubudą (cf. Goth. *haubiþ*, etc.): apparently a conflation of some unknown word with PG *hafudą (> ON *hofuð*), the latter reflecting western IE *kaput- (cf. Lat. *caput*)
- sun < OE sunne < PG *sunnōn- (cf. Goth. sunnō, etc.): a drastically remodelled form that coexisted with PG *sōwel- (> Goth. sauil, ON sól), the latter < PIE *sah2wel-, *sóh2wl (> Lat. sōl)
- ashes < OE ascan, sg. asce < PG *askōn- (cf. ON aska, etc.): derived by suffixation from PIE *h₂aHs- 'dry' (> Lat. ārēre 'be dry'), also the source of other words for 'ashes' (e.g. Skt. ásas) and 'hearth' (e.g. Hittite hassas; also Lat. āra 'altar')
- fly < OE *flēogan* < PG *fleuganą (cf. ON *fljúga*, etc.): an extended form of PIE *plew- 'float' (> Skt. *plávatē* 'it floats', etc.)
- go < OE *gān* < PG *gai- (cf. OHG *gēn*, but also OHG *gān*, Old Swedish *gá* < PG *gā-): apparently a reflex of PIE **g*^heh₁-, which was some sort of motion verb (cf. Skt. *jáhāti* '(s)he lets (it) go', Homeric Greek *kik^hémenai* 'to find')
- stand < OE *standan* < PG *standaną (cf. Goth. *standan*, etc.): an extended form of PIE *stah₂- (> Lat. *stāre*, etc.)
- know < OE cnāwan < PG *knē- (cf. ON kná): clearly a reflex of PIE *gnoh₃- 'recognize' (> Greek aorist égnō '(s)he recognized', etc.), but we expect the PG form to have been "*knō-" by the usual

sound changes, and the actually occurring vowel is puzzling hot < OE *hāt* < PG *haitaz (cf. ON *heitr*, etc.): an extended form of northern IE *kay- (cf. Lithuanian *kaīsti* 'to get hot', etc.)

- cold < OE cald, ceald < PG *kaldaz (cf. Goth. kalds): originally a verbal adj. of PG *kalaną 'to get cold' (> OE calan, etc.); the latter reflects PIE *gel- 'to freeze' (Lat. gelāre, etc.), but the vowel is unexpected
- black < OE blæc < PG *blakaz (cf. OHG blah 'ink'): originally
 *'burnt material, soot', to judge from such apparently related verbs
 as ON blakra 'to flash' and Lat. flagrāre 'to be on fire'</pre>
- white < OE hwīt < PG *h^wītaz (cf. Goth. heits, etc.): an extension of PIE *kwey-; cf. Skt. śvētás 'white' (whose -t- does NOT match that of PG; PG *t = Skt. d, while PG *b (and in some circumstances *d) = Skt. t)

Words found in more than one subfamily of Indo-European, but not securely reconstructable for Proto-Indo-European:

- many < OE pl. manige < PG *managai (cf. Goth. managai), stem *managa- < *monog^ho-: cf. Old Irish (OIr.) menicc 'often', Old Church Slavonic mŭnogŭ 'much' (but not all the sounds match)
- all < OE pl. *alle, ealle* < PG *allai (cf. Goth. *allai*), stem *alla- < *ol-no-: cf. OIr. *uili* < PC *olyoi, stem *ol-yo-
- fish < OE fisc < PG *fiskaz (cf. Goth. fisks) < *piskos: cf. OIr. iasc <
 PC *eiskos < *peyskos, Lat. piscis < *piskis; the word does not oc cur outside the west European branches of IE</pre>
- breast < OE *brēost* < PG *breustą (cf. ON *brjóst*) and *brust- (cf. Goth. *brusts*) < *b^hrews- ~ *b^hrus- 'belly': cf. OIr. *brú* < PC *brusū < *b^hrusō, Russian *brjúxo* < *b^hréwsos
- belly < OE belg 'hide, bag, bellows' < PG *balgiz < *b^holg^h-: cf. OIr. bolg 'bag', Old Prussian balsinis 'pillow'; OE 'belly' was wamb (> womb)
- tail < OE tæġl '(horse's) tail' < PG *taglą 'hair' (cf. Goth. tagl) < *dokló-: cf. OIr. dúal 'lock of hair'; OE 'tail' (the generic term) was steort

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- leaf < OE lēaf < PG *laubaz (cf. Goth. laufs, etc.) < *lowb^h-: cf. Russian lub 'bast', and zero-grade *lub^h- in OIr. luib 'herb'; European word
- long < OE lang < PG *langaz (cf. Goth. laggs) < *long^hos: cf. Lat. longus; west European word
- PIE words that changed their meaning in PG:
 - one < OE ān < PG *ainaz (cf. Goth. ains, etc.) < PIE *óynos 'single' or the like (cf. Lat. ūnus, OIr. óen, both 'one', also Greek oínē 'one-spot [on dice]'); cf. also *óywos 'single, lone' (> Greek oîos 'alone', Avestan aēuuō 'one'); but the actual numeral 'one' was apparently *sem- in PIE (> Greek masc. heîs, neut. hén; cf. also Lat. semel 'once')
 - come < OE cuman < PG *k^wemaną (cf. Goth. qiman, OHG queman) <
 PIE *g^wém-e/o-, aorist subjunctive of *g^wem- 'step' (cf. Skt.
 gámat '(s)he will go'; present *g^wm̥-ské/ó- > Skt. gácc^hati '(s)he
 goes', Greek báskein 'to go')
 - bite < OE bītan < PG *bītaną (cf. Goth. beitan, etc.) < PIE *b^héyd-e/o-, aorist subjunctive of *b^heyd- 'split' (cf. Skt. b^hédati '(s)he will split'; present *b^hi-né-d- ~ *b^hi-n-d- > Skt. b^hinátti '(s)he splits', Lat. findere 'to split')
 - hear < OE hīeran < PG *hauzijaną (cf. Goth. hausjan) < PIE *h2k-h2ows-ié/ó- 'be sharp-eared' (*h2ak- 'sharp', *h2áwsos 'ear'; cf. Greek akoúein 'to hear')
- PIE words that survived without drastic change in PG:
 - I < OE *ic* < PG *ik (cf. OHG *ih*), unstressed form of *ek (cf. ON *ek*) < PIE *égh₂ (cf. Skt. *ahám*, Greek *egő*, Lat. *ego*, all with suffixes); see also above
 - we < OE wē < PG *wiz, unstressed form of *wīz (cf. Goth weis) < *wéyes (cf. Hittite wēs) ← PIE *wéy (cf. Skt. vayám, with suffix); see also above
 - that < OE neuter *þæt* < PG *þat (cf. ON *þat*) < PIE *tód (cf. Skt. *tát*, Greek *tó*); see also above
 - who < OE hwā < PG *h^waz (cf. Goth. has) < PIE adj. *k^wós 'which'

(cf. Skt. kás 'who')

- what < OE hwæt < PG *h^wat (cf. ON hvat) < PIE adj. *k^wód 'which'
 (neut.) (cf. Lat. quod)
- two < OE fem. twā < PG *twōz (cf. Goth. twōs); the ending is plural (since the dual has been lost in Germanic nominals, except for the 1st- and 2nd-person pronouns), but the stem reflects PIE *dwóh1'two' (cf. Skt. dvá, Lat. duo, etc.)
- man < OE mann 'human being, man' < PG *mann- 'human being' (cf. Goth. manna) < PIE *manw-, prevocalic form of *mánu- (cf. Skt. mánus); a more usual OE word for 'male human being' was wer
- louse < OE *lūs* < PG *lūs (cf. ON *lús*) < PIE *luh₂s- 'animal' (?; cf. Welsh *llau* 'lice', but also Tocharian B *lwāsa* 'animals')
- nose < OE *nasu, nosu* < PG *nas- (cf. ON *nqs*) ~ *nus- (cf. Netherlandic *neus*) < PIE *nās- ~ *nas- ~ *ņs- (cf. Skt. dual *nā́sā*, Lat. pl. *nārēs* 'nostrils', etc.)
- tongue < OE *tunge* < PG *tungōn- (cf. Goth. *tuggō*) < PIE *dņģ^hwáh₂-(cf. Lat. *lingua*, OLat. *dingua*) with additional n-suffix
- tooth < OE top < PG *tanb- (cf. OHG zand) ~ *tund- (cf. Goth. tunbus) < PIE *h1dónt- ~ *h1dnt- (cf. Skt. dán, dánt- ~ dat-, Greek odoús, odónt-, Lat. dēns, dent-, etc.), originally a participle of 'eat'
- heart < OE *heorte* < PG *hertōn- (cf. Goth. *haírtō*) ←< *kerd- ← PIE *kḗr, *kr̥d- (cf. Hittite *kēr, kard-*, Homeric Greek *kêr*, Lat. *cor*, *cord-*)
- knee < OE cnēo < PG *knewą (cf. Goth. kniu) < PIE *gnéw-, oblique stem of *gónu (cf. Skt. jánu, Greek gónu, etc.; for the PIE inflection cf. 'tree' below)
- foot < OE *fōt* < PG *fōt- (cf. ON *fótr*) < PIE *pṓds, *pód- ~ *ped- (cf. Skt. *pṓt, pṓd-* ~ *pad-*, Greek *poús, pod-*, Lat. *pēs, ped-*, etc.)
- feather < OE *feðer* < PG *feþrō < *pét-ra-h₂ 'that with which one flies' (probably a collective, cf. the ending), late PIE derivative of PIE

*pet- 'fly' (cf. Greek *pétest^hai*, etc.)

- horn < OE *horn* < PG *hurną (cf. Goth. *haúrn*) < PIE *krn- (cf. Lat. *cornū*, etc.)
- tree < OE trēo < PG *trewą 'tree, wood' (cf. Goth. triu 'club') < PIE *dréw- (cf. Skt. genitive drós), oblique stem of *dóru (cf. Skt. dáru, Greek dóru 'spear(-shaft)', etc.)
- seed < OE sād < PG *sēdą (cf. ON sáð) < *sētóm ← PIE *sh1tóm neut. 'sown' (cf. Lat. satum), verbal adjective of *seh1- 'sow' (cf. OE sāwan, Goth. saian, Lat. sēvit '(s)he sowed', sēmen 'seed', etc.)
- moon < OE *mōna* < PG *mēnan- (cf. Goth. *mēna*) ←< PIE *meh1nos-'moon, month' (cf. Lith. *ménuo* 'moon', *ménesis* 'month', etc.)
- star < OE *steorra* ←< PG *sternōn- (cf. Goth. *stairnō*) ←< PIE *hostḗr, *hoster- (cf. Greek *astḗr*, Hittite *hasterz*, etc.)
- night < OE *niht* < PG *naht- (cf. Goth. *nahts*) < *nok^Wt- ~ *nek^Wt- (cf. Lat. *nox, noct*-, Hittite *nekuz mēhur* 'evening time', etc.)
- water < OE wæter < PG *wator, *watin- (cf. Goth. wato) ← < PIE *wódr, *udén-, collective *wédor (cf. Hittite wātar, genitive widēnas, coll. widār, Skt. udán-, etc.)
- sand < OE sand < PG *samdaz (cf. ON sandr, Middle High German sambt) < PIE *sámh₂d^hos (cf. Greek ámat^hos)
- earth < OE eorðe ←< PG *erþō (cf. Goth. aírþa) < *értā (cf. OIr. -ert '-land' in compounds), derivative of PIE *érah₂ (cf. OHG ero, Homeric Greek érasde 'earthwards')
- fire < OE fyr < PG *for, *funin- (cf. OHG fuir, Goth. fon) ← < PIE *páh₂wr, *ph₂uén-, coll. *páh₂wor (cf. Hittite pahhur, dat. pahhueni, Greek pûr, Tocharian B puwar, etc.)
- name < OE *nama* < PG *nam› (cf. Goth. *namō*) ←< PIE *h1nḗh3mn, *h1nóh3mn-, coll. *h1nóh3mō (cf. Lat. *nōmen*, Greek *ónoma*, Hittite *lāman*, gen. *lamnas*, Tocharian B *ñem*, etc.)
- sit < OE *sittan* < PG *sitjaną (cf. ON *sitja*) < PIE *sed- (cf. Lat. *sedēre*, etc.)
- lie < OE *licgan* < PG *ligjaną (cf. ON *liggja*) < PIE *leg^h- (cf. Ho-

meric Greek *lék^hos* 'bed', etc.)

- eat < OE *etan* < PG *etaną (cf. Goth. *itan*) < PIE *h₁ed- (cf. Lat. *edere*, etc.)
- say < OE secgan < PG *sagai- ~ *sagja- (cf. OHG sagēn, ON segja) ←< PIE *sek^W- ~ *sok^W- (cf. Lith. sēkti 'to tell about', sakýti 'to say', etc.)
- see < OE sēon < PG *seh^waną (cf. Goth. saihan) < PIE *sek^w- (cf. Hittite sākua 'eyes' < *sók^wo-)
- full < OE full < PG *fullaz (cf. Goth. fulls) < PIE *plh1nós (cf. Lith. pilnas, Skt. pūrņás, etc.)
- red < OE rēad < PG *raudaz (cf. Goth. raubs) < PIE *h1rowd^hos (cf. OIr. rúad), derivative of * h1rewd^h- 'be red' (cf. Homeric Greek ereút^hein 'to redden', etc.)
- yellow < OE geolu < PG *gelwaz (cf. ModHG gelb) < PIE *ghelHwos
 (cf. Lat. helvos 'honey-colored', Lith. želvas 'green')</pre>
- new < OE nīowe < PG *niwjaz (cf. Goth. niujis) < PIE *néwios (cf. Skt. návyas, Welsh newydd, etc.), derivative of *néwos (cf. Hittite nēwas, Greek néos 'young', Lat. novos, etc.)
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