Graphic Substitutions in Middle English

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Of the innumerable instances of graphic substitutions to be met with in Middle English manuscripts, some are undisputable scribal blunders, being downright mistakes or errors arising from scribes' ignorance or carelessnesses, while others can be accounted for on some graphic or phonological grounds, as for the substitution of the letter 3 for p.

In most handbooks, both these types have commonly been lumped together on a par as simple scribal blunders. For example, the aforementioned graphic substitution of 3 for p has been ajudged simply "an error" (Brunner 1963: 38 Note 5; 5 Note 2) or a usual "mistake" (Skeat 1906: 2*) by Anglo-Norman scribes unfamiliar with the two letters. This way of explaining is not wholly satisfactory in view of the fact that these so-called errors or mistakes are not just confined to a few negligible number of scribes or limited to some isolated instances; moreover, no scribe would substitute almost methodically one

¹ Continental Norman, developed with settlement of the Danes in Upper Normandy in 910 and Lower Normandy in 923, was not a homogeneous dialect but "in phonetic development lay...across the border line of Western and North-Eastersn French" (Studer 1920:5). Anglo-Norman is this Norman French retained or developed separately in England during the Middle English period. Some scholars, however, unhappy about the use of the term 'Anglo-Norman' to refer to the entire period, apply yet the term 'Anglo-French' (i.e. the French of Paris as developed in England) to the latter part of the period in the 13th and 14th centuries when the influence exerted by the speech of Paris on Anglo-Norman was growing increasingly, restricting 'Anglo-Norman' to the early part of the period till about the time of the loss of Normandy in 1204 after which "the individuality of Normandy itself was merged into that of the Île-de-France" (Menger 1904:4).

That the Norman dialect in England didn't die out completely with the loss of Normandy in 1204 is evidenced by the fact that "Anglo-Norman literature became much richer in the 13th century than before" (Vising 1923:20) and that the Norman dialect of the 11th century and the French spoken in England at the close of the 14th century were "substantially the same in every part of the country" (Studer 1920:12). Even though Anglo-Norman had been displaced by 'Francien' (the speech of the Île-de-France) or Anglo-French as a literary medium in the later 14th century (Pope 1952 #1186), Anglo-Norman remained until the middle of the 14th century as a living language used by a considerable portion of the population as the natural medium of expression (Studer, p. 11; however, see Berndt 1965: 145-63).

The term 'Anglo-Norman' normally refers to the French of Norman origin before the end of the 14th century, for the French loan-words introduced into English before the end of the 14th century, according to a careful study of the vocabulary of Middle English by Prof. Behrens, point, almost without exception, to a Norman origin (cited in Studer 1920: 15). Anglo-Norman, despite of late survivals, however, was practically a dead language by the middle of the 14th century (Studer 1920: 12).

letter for another without some cogent orthographical or palaeographical reason.

Graphic substitutions are due to two causes: graphic confusion and graphic association. In manuscripts, letters can be confused with one another on account of their graphic similarity, as between c and t, p and y, and u and n. For instance, the graphic forms of p and y appear so alike in manuscripts that the latter is distinguished from the former only by the superscript dot. A graphic error or mistake arises commonly from such a graphic confusion. Graphic confusion, however, is to be distinguished from what I would like to call direct and indirect grapho-phonetic association. Direct grapho-phonetic association arises when alternant letters are used for the same sound, as h, 3, gh for /x/, while indirect grapho-phonetic association arises when nonalternant letters are being associated with one another, as 3 with p and s, or p with s. An example of the former is a substitution of 3 for p, which is due to the fact that in late Middle English, y was used for both the palatal fricative, written 3, and the dental fricative, written p, which often assumed the y-form in script. An example of the latter is a substitution of p for s, which is due first to the fact that to indicate the unfamiliar fricative h (commonly written 3) before t, Anglo-Norman scribes often employed its French equivalent s,2 secondly to graphic confusion of y (for 3) and p on account of their graphic similarity (see #VI.1 below), and finally to subsequent association of p with s, as shown in cl300 Lay. Brut (Otho) 2/30: mistie ~ 21/25: miptie (OE mihtig; ME migti) (see #VI. 4 below of this paper).

To the present writer's knowledge, no comprehensive analysis of graphic substitutions in Middle English has been made to determine what various values the letter 3, for example, stands for and also how it came to be used as substitutes for various other letters. The purpose of this paper is, then, to describe in six sections and an appendix the graphic substitutions of the following seven letters in Middle English: $\sharp I. \ 3$ for y, palatalized l, diacritics (vowel length and hiatus), i, and h, and also $s \sim z$, $w \sim u$, g, j, $p \sim \delta$, and for various abbreviations; $\sharp II. \ y$ for $p \sim \delta$, h, j, and $long \ i$; $\sharp III. \ h$ for w, $p \sim \delta$, y, and for diacritics (vowel length and hiatus); $\sharp IV. \ s$ for h; $\sharp V. \ w$ for y, j, and f; $\sharp VI. \ p$ for y, h, w, s, f, and d and d; and Appendix: d.

The texts from which data have been taken for illustration are mainly from the published and unpublished parts of the *Middle English Dictionary* (A through K part 1), ³ facsimiles, ⁴ and also from (diplomatic) editions. ⁵

I. 3

The letter 3 is used for the following letters and values: 1. y; palatalized l; diacritics;

² On the French use of s for [h], see #IV below of this paper.

³ Hereafter this work will be identified as MED in parentheses.

⁴ Greg 1913, cited by section and line and identified as G.

⁵ Sisam 1955, to be identified as S; Dickins and Wilson 1954, to be identified as DW; Mossé 1952, to be identified as M; and others as cited.

and i/i/; 2. h; 3. $s \sim z$; 4. $w \sim u$; 5. g; 6. j; 7. p $\sim t$; 8. abbreviations.

1. y; palatalized l; diacritics (vowel length and hiatus); and i/i/.

1. 1. y.

Whether an intervocalic 3 functions as off-glide or on-glide depends on the following e being pronounced or not. There is said to be no diphthong in ME bowe ($\langle OE \rangle$ boga) or in dayes ($\langle OE \rangle$ dæges) since the o and w of bowe, or the a and y of dayes, belong to different syllables. However, with loss of the unstressed e in bow by apocopation and in days by syncopation, the o and w, or the a and y have come to fall in the same syllables (Malone, p. 262). By apocopation: a1400(a1325) Cursor 1773: au [Göt: aue; Frf: aghe; Trin-C: awe] (ON *aga; cf. OI agi; MED aue 'fear'); a1400 Cursor(Göt) 1977: bou [Frf: boghe; Vsp: bou] (OE boga; MED boue n. (1)); by syncopation: ?a1300 Sirith 324: (fourti) daus (cf. a1400 Cursor(Trin-C) 18100: dawes), a1400(a1325) Cursor 3155: dais [vrr. days, dayes] (OE pl. dagas).

Final e is said to have disappeared gradually from the 12th century, first in words with weak sentence stress, later but still in the 12th century in trisyllabic words with a long first syllable, and the remaining instances (i.e in trisyllabic words with a short first syllable and also in dissyllabic words) disappeared in the North in the 13th c. and in the South gradually during the 14th c. (Brunner, p. 32).

- 1.1.1. Word medially and finally.
- a. OE j, and OI, ON i.

?c1200 Orm. 10018: bezʒsc (OI beisk-r); a1225(?a1200) Lay. Brut 1468: brain [c1300: braʒen] (OE brægen); c1400(?c1390) Gawain 1215: ʒeʒe(OI geyja 'to cry'); a1435 (c1395) WBible(2) Tob. 7.19: anoie [WB(1): noʒe] (OF anoi); (a1382) WBible(1) Judith 16.11: gaʒe (OF gai).

b. OE /j/, vocalized to /y/ after front vowels.

However, some others are of the opinion that this situation prevailed only in Old English, in which the syllable boundary came before the intervocalic consonant; hence, the intervocalic 3, like any other intervocalic consonants, belonged to the following syllable. In Middle English, however, due to the shifting of the syllable boundary, the intervocalic consonant came to belong to the preceding syllable. "One of the ways diphthongs are developed is by the shifting of the syllable boundary...In OE, words like wegen 'to weigh', glowan 'to glow' seem to have been divided we-gan, glo-wan; then at the end of the OE period weg-e(n), glow-e(n), and later on when finals were weakened or dropped, wei-e, glow-e, which resulted in new diphthongs being evolved" (Mossé, p. 27; also see Fisiak, p. 52). Stockwell even goes as far as to say that a diphthong which he identifies as /ow/ had already arisen in Old English in clawu 'claw' and strawu 'straw' before 10th century lengthening (p. 16). Also Jordan (p. 103): "Zum Teil schon im Altenglisch".

 7 In the Northern dialects, the unstressed final e was silenced about the middle of the 14th century (Morsbach, #7); final e was yet still kept in the greater parts of Western and Middle South in the 14th century, and was kept intact in the greater parts of Kentish until the middle of the 14th century (Morsbach, #9); final unstressed (historical) e is in general no longer sounded in the Northwest Midland in Gawain (Tolkien, Gordon, and Davis, p. 133); this final e was completely silenced in the South in the 15th century in the spoken English (Jordan, #290).

⁶ Thus Malone says, "The nom. sg. day and the gen. sg. dayes differed in that the ay of the former was diphthongal, whereas the ay of the latter was not" (Malone 1959).

a1225(?a1200) Lay. Brut 30810: buze (< OE bycgan 'to buy'), cf. 1372 In bedlem is 68: to byze, (c1300) Havelok 53: beye.

c. OE velar fricatives [3], [x], next to ME front vowels.

c1250 Owl & N.(Clg) 426: e3e(< OE eage). Both the ey from OE eog and eag by vocalization of OE voiced velar fricative g to y after front vowels and the new ey from OE eax with the excrescent front glide y developed before c and after e were later monophthongized to $\bar{\imath}$, first in the Southwest (Brunner, #13 Note 13).8

OE $\bar{e}ah$: c1330 Orfeo (Auch) 24/355-56(S): size 'saw' [rime: heize 'high']; c1400 (?c1390) Gawain 1922: niez 'nearly' (\sim 929: nez 'near').

OE ēag: c1400(c1378) PPl.B(Ld) Prol. 161, 165: bizes (vrr. beizes, behes, byes, bezes), beiz (vrr. bye, bighes) (OE bēag 'an arm ring').

OE ēog: c1300 SLeg.Inf.Chr.(Ld) 113: drize, c1400(?c1390) Gawain(Nero) 1750: drez (~ 1460: dryze), a1450(?a1349) ?Rolle Luf es Lyf 12: dregh [rime: nyz; Lamb: drie], 1500(?a1400) Morte Arth.(2) 2621: dreghe [rime: hyghe] (OE drēogan, OI drjúgr); also cf. OI ey(j): a1300 Floris(Vit) 77/84: idized (ppl.), c1400(?c1390) Gawain (Nero) 996: deze (~ 2460: dyze) (OI deyja).

That ey became $\bar{\imath}$ is confirmed by the reverse spelling ez (\sim ey \sim ei) for $\bar{\imath}$:9 c1330(?a1300) Tristrem 760, 766: heize... hy, a1400(c1300) NHom.(1) Abp. & N. p. 90: in hey [vr. hize] (< OE hīgan); a1400(a1325) Cursor 3862: gleied [Göt: gleyed; Trin-C: glized] (< OI glija 'to shine'); (c1300) Havelok 53: beye (< OE bycgan 'to buy').

- 1.1.2. Word (or morph) initially, from OE and OI /y/, or epenthetic glide /y/.
- a. OE and OI /y/.

c1450(?a1400) Wars Alex. 4745: 30ten, a1400(a1325) Cursor 7443: eten [vr. a 30ten] (30ten from OI jotun, and eten from OE ēotan); c1400(?c1390) Gawain 1122: 3et (OE gēt); ibid. 89: 30nge (OE geong); ibid. 530: a3ayn (OE on-gegn); ibid. 2410: 3are (OE gear(w)e); (c1384) WBible(1) Mat. 5.37: 3ea 'yes' (OE gēa).

b. Epenthetic 3 /y/ before front vowels (mostly ₱) in the Southern dialects.¹¹¹ Development of epenthetic /y/ initially before front vowels is probably regional Kentish in origin from the 12th century but its results are also found in the Southwest in the 14th century, where initial ₱ became † (Wyld, p. 218; Brunner, p.17 Note 20, and p. 23). OE ea: c1400 Femina 65: 3extre ... 3ex (OE eax).

OE ēa: (I340) Ayenb. 257: yeren (OE ēare), cf. c1380 Firumb.(1) 996: yre, c1325 Horn (Hrl) 969: earen [vrr. eren, ires]; 11 c1150(?OE) PDidax. 3/7: yem, cf. a1225

⁸ Scribes often adhere to the spellings *ei*, *ey*, etc. even "when the rhyme shows that the pronunciation [1] was intended" (Wyld, p. 126).

⁹ On the spelling i3 for i/ with the 3 performing a dual function of vowel length and hiatus, see $\sharp I.1.3.$ lb below of this paper.

¹⁰ This 3 interchanges with h; To what extent this alternating letter h represents the sound commonly signified by that letter, namely [h], is not conclusive. In many instances, h's occur in free variation with 3's for /y/.

¹¹ The English scribes followed the example of Anglo-Norman scribes who wrote ie for 7 and

(?a1200) Lay. Brut 251: eames [c1300: hemes](OE ēam); ?a1500 in Camb. 25,54,89 143f.n.l: 3erwygge, ?a1400 Bozon (Hrl 1288) p.203: herewyckys (< OE ēarwicaga); (1340) Ayemb. 124/20: yeast (OE ēast); a1225(?c1175) PMor.(Lamb) 227: edi [vrr. 3edi, eadi] (OE ēadig); a1225(c1200) Vices & V.(1) 3/16: iec, (1410) York MGame 3: heke (OE ēac, ēc).

OE eo: a1225(?c1175) PMor.(Trin-C) 324: zierles [vrr. eorles, erles], c1475(?c1400) Wycl.Apol. 7: zerle, a1500 Degrev.(Cmb) 1897: zorle [Thrn: erle] (< OE eorl; MED erl); a1225(?c1175) PMor.(Trin-C) 280: cerre [vrr. zeorre, here, erre] (OE eorre).

OE $\bar{e}o$: c1400(?c1390) Gawain 815: gede(OE $\bar{e}ode$); ibid. 1065: goure \sim 836: yowre (OE $\bar{e}owre$).

OE e: (a1387) Trev. Higd. 6.387: He was ... i-zete, cf. ibid. 6.405: ete [vr. yte], (c1300) Havelok(Ld) 457: hete, a1425(c1378) PPl.B(Ld) 1.152: yeten [vrr. eten; heten] (OE eten); c1475(?c1400) Wycl. Apol. 28: zend, (1425) Paston 2.20: an hende, (1417-20) Will in Bk. Lond. E. 221/14: inde (LOE ĕnde).

OE \overline{x} : c1250 Owl & N. 1180: 3aure (OE \overline{x} fre), cf. 1500 Scrope DSP Abbrev. 304/23: he yet 'ate' (OE \overline{x} t).

OF ai, ei: they levelled in Anglo-Norman through "ei to e" (Pope, #1223): (c1426) Audelay Poems 43/925: 3eesy, (1447-8) Shillingford 88: yese, a1325 Horn(Ld) 1298: heyse, a1400(a1325) Cursor 13305: hess [vr. ese], c1400 Bible SNT(1) 2 Tim. 4.2: hese, c1450 St. Editha 4835: heysey (OF aise; MED ēsǐ).

- 1.2. To indicate palatalization of l: 1375 Bruce 459: assalze 'to assaile'. Under a direct French influence, the Scotch tried to keep the palatalized consonant l and rendered it by l3 (Mossé, p.31). Palatal l and n are represented by l9, n9 (Tolkien, Gordon, and Davis, p.129).
 - 1.3. As diacritic symbols.
 - 1.3.1. i3 for long $/\bar{1}/.$
- **a.** In the sequence -i3 $\left\{ \begin{array}{l} C \\ \# \end{array} \right\}$, that is, before a consonant or word finally, the preconsonantal or pre-word final 3 represents only vowel length.

Long $/\bar{\imath}/$ is often represented by a sequence of graphs iz, already in Old English as early as the late 9th century in the Hatton manuscript of the *Pastoral Care*, as in $(\eth er)$ big 'thereby' 43/14, stigge 23/16, stiggende 101/14 (<stīgan). Conversely, original iz became long $\bar{\imath}$ by compensatory lengthening through the loss of a postvocalic z, in the same Hatton manuscript, as in $(ofer)hy\delta$ 113/3, (ofer)hydig 301/8 (cf. inngehygde 95/15, 111/22).

sometimes left out the e of the ie diagraph (especially if followed by r), so that i was used to denote the \overline{e} sound (Van der Gaaf, ESTs 18:40, cited in Trnka 1959:442).

¹² See also the reverse spelling *ie* for \bar{i} in the Cotton manuscript of the *Pastoral Care*, in (∂x) bie 42/14, reflecting the change of EWS $\bar{i}e$ to LWS \bar{i} . Page and line references are to Sweet 1871.

¹³ Also see æ3→æ in mæden 415/18 (<mæden). Likewise in early Middle English, scribes

a1400 Mary moder well 26: hiz 'they' (OE hīe); ?a1425 (c1400) Mandev. (Tit) 103/256 (S): kyʒn (< OE sg. cȳ); OF /i/→ ME /ī/: c1300 SLeg.Cross(Ld) 195: deliʒt [Ashm: delit] (OF delit); cl450 Jacob's W. 72/16: dyspyʒt (cf. 981: despijt) (OF despit); (cl384) WBible(1) Math.15.29: fyʒ (OF fi); also from OE/ī/ in secondary stressed words: ?c1200 Orm. 19842: blipeliʒ (OE blīpelīce).

b. In the sequence -i₃V, where V is a vowel, the intervocalic z performs a double function of vowel length and hiatus in the following French loan words. z for hiatus corresponds to the letter h in Old French from the 13th century on as in trahir, cahier, or in Anglo-Norman as in juhe (for jüe), or in Latin as in trahere, vehere, (see Pope, #1171, #730; Kim, p. 95).

cl390(a1376) PPl. A(1)(Vrn) 7.255: dizete [vr. diete] (OF dieter; MED dīēten); ibid. 5.224: crizede (OF crier; MED crīen); c1330 (?a1300) KAlex. (Auch) 377/93: defie [LinI: defyze], (c1325) Recipe Painting(1) in Archaeol. J. 1.66: defizet(ppl.) (OF defier; MED defien); a1325 MS Rwl. B. 520 1f. 56 [OED col.]: denize (OF denier; MED denien).

1.3.2. i3 for short /i/.

In the sequence -i₃V, the posttonic intervocalic ₃ indicates hiatus between two juxtaposed vowels; however, the pre-consonantal or pre-word final ₃ in the sequence -i₃ { C represents only a conservative spelling, or a reverse or analogical spelling.

a. Hiatus.

In *lufian*, the Weak II verb ending *-ian* is two syllables (Moore and Knott, p. 86 fn. 79); the *-izan* (for *-ian*) then represents the use of z in hiatus. Already in the late 9th century Old English *Pastoral Care*, the morphographemic alternation of (iz) and (ize) for /i/ occurred before another vowel in posttonic position, (iz) before e, and (ize) before a: (iz): lacnizenda (~ lacnienda), agimeleasizen (Cotton MS: -sien); (ize): lacnizean (~ lacnian), bodizeað (~ bodiað).

A similar diacritical use of 3 occurs, sometimes analogically, in Middle English, as in a 1400(a1325) Glo. Chron. B (Trin-C) VI/22(G): gregorizes, 28: ioize 'joy', 16: wity3e (< OE witian); c1175(?OE) Bod.Hom. 116/23: iburized, cf. a1225(?a1200) Lay.Brut 6014: i-buried [c1300: ibured], 27872: burien (inf.)(< OE byr(i)gan, byr(i)gde), in which the i of iz is an epenthetic vowel developed between a liquid and a palatal consonant after short accented vowels, already in Old English after the 10th century, principally in West Saxon (see Campbell, #365; Luick, #348).

The intervocalic z in posttonic position, hence, is to be interpreted as hiatus marker, corresponding in function to the letter h. The two letters h and z, thence, are used often interchangeably in Middle English between two juxtaposed vowels, as in: ?a1300 Sayings St. Bede 195: herihinge, (a1333) Herbert Wele herizyng (OE herian), cf. c1250 Owl &

often wrote i3 or y3 to indicate long \bar{i} —also ij, iy, yy, the last example in the 15th century, for long medial \tilde{i} (see Morsbach, #16 Anm. 3).

N. 981: heriinge; a1225(?a1200) Lay. Brut 3615: (40) dazene 'days' [Otho: daizes], cf. c1225(?c1200) St. Kath. (1) 2469: twenti dahene zong, 155: tweolf dehes (cf. OE pl. dagas); a1200 Body & S. (2) 8/16: keize, c1350 How GWife(1) 168/140: keies [vr. keyzes], cf. c1175 Body & S. (1) 14: cæze (OE cæg); c1400 Pep. Gosp. 27/7: anoyze, cf. (a1420) Lydg. TB 2.6231: anoye, a1425(c1395) WBible(2) Tob. 7.19: anoie [WB (1): noze] (OF an(n)oi).

b. Conservative or analogical spellings.

a1225(c1200) Vices & V.(1) 137/25: all daiz (cf. OE sg. dæg); c1400(c1378) PPl. B (Ld) Prol. 165: beiz... bizes [vrr. beizes, behes, byes, bezes] (OE bēag, bēah); c1450 Med. Bk(2) 171: eyz, cf. c1290 SLeg.Mich.(Ld) 396: eyze, c1325(c1300) Glo. Chron. A 8334: ey [B: eie, eyz] (cf. OE ēage); also initially: c1400(?c1390) Gawain 406: zif ~ 30: if~ 2343: iif (OE gif). 14

Reverse spellings: a1500(?c1378) Wycl.OPaster 429: englizsch (OE English & AF Engleis). 15

- 1.4. For /i/ or /ī/ in unstressed syllables.
- a. /i/. In the following, the 3 after a liquid represents a syllabic vowel, not a glide (since it is not preceded by an intrusive epenthetic front vowel, often developed between a liquid and a palatal consonant), as in *iburized* cited above and in the following: a1450 (a1400) Siege Jerus. 1247: balies [vr. baylʒes] (OE belg; pl. belgan, byl(i)gan); a1225 (?a1200) Lay. Brut 22718: awælʒed [c1300: iwellid] (OE gewel(e)gian).
- b. /ī/: c1300 SLeg.(Ld): hev3; cf. a1225(?a1200) Lay. Brut 2795: hefegere (MED hevī n. 'heaviness').
- 1.5. 3h for /y/. In imitation of the digraph spellings sh, ch, the letter h was analogically introduced to indicate a velar or a palatal fricative with 3—the combination gh in the course of the 14th century (Jordan, #17.2).

a1425(c1395) WBible(2) Mat. 5.37: 3he, 3he 'yes, yes', (c1456) Pecock Faith (Trin-C) VIII/12(G): 3he, cf.(c1384) WBible(1) Mat.5.37: 3ea (OE gēa); (1422) LRed Bk. Bristol vol. 1.8.1: 3he shall helpe, (c1456) Pecock Faith (Trin-C) VIII/10(G): 3he, Prick of Conscience 68: yhe(OE gē); c1400 Wit & W. (Cmb) 19/2: 3hef (OE gif); c1200 Orm. 12945: dizhellnesse, a1225 Wint. Ben. Rule 105/13: dihʒlice (OE dīegellīce; MED dīzellīce); a1325(?c1380) NPass. 638: gate [vrr. yhate, 3hate]. In Scots 3h was frequently written instead of 3: Bruce 274/441(M): 3he 'ye'; ibid. 272/232(M): 3harnyt 'yearned'; ibid. 272/246(M): yheyt 'yet'.

1.6. z represents only the letter i, not its sound.

(a1333) Shoreham *Poems* 61/1704: contragt, cf. *ibid*. 68/1945: contrait (OF contrait). OF ai became \bar{e} in Anglo-Norman before dentals t, d, s, and sometimes also before g

¹⁴ Before i, initial 3 was lost in the 14th century (Jordan, #189 Anm. 1).

¹⁵ Also parfizt 'perfect' (OF parfit) with an unetymological 3 (or gh) after i before t the in 15th century (Brunner 1963:43).

(Bliss, p. 175; Brunner, p. 28).

- 2. /x/(h), (x), (c); or for only the letter h, not its sound.
- 2.1. [h] initially before vowels.

(1340) Ayenb. 56/29: ze, 16 c1400(c1378) PPl.B(Ld) 6.138: ze shal ete ... He shall ete (OE hē; MED hē(1)); a1225(?a1200) Lay. Brut 1147: heo [c1300: zeo], (c1280) SLeg.Pass.(Hrl: C. Brown) p. 16: heo [Pep: zeo], c1325(c1300) Glo. Chron. A 635: zo, 8977: heo [c1425 Hrl: zoe], a1325 Opon a Somer 42: ze, c1330 Otuel 1001: zo, (c1387) Trev. Higd. 1.11: ze [=Ruth] (OE nom. & acc. sg. fem. hēo, hīe, hī, hīo, hy, hēa; MED hē pron.(2) 'she'); 17 c1475(?c1400) Wycl.Apol. 31-32: take hede... tak þei zed, take þei zede to preche (MED hed(2) 'heed'); ibid. 47: zele (OE hæl(u; MED hēle); ibid. 28: zele (< OE hælan); ibid. 75: zeþun (MED hēthum); ibid. 8: zering (MED hēring(e); ibid. 56: zerd (MED hērd(e); ibid. 37, 61: zere (MED hēren v.), ibid. 55: zet (MED hēte n.(1)); a1450 St. Editha 96: zeyzthen (MED hēthen adv.); a1300(?c1150) Prov. Alf.(Jes-O) 73/31: hw [Trin-C: zu] (OE hū); c1440 Thrn. Med. Bk. 19/15: ziskes 'hiccups' (pres. 3sg.); a1500(a1400) Eglam. 528: zerbys (OF erbe & L herba; MED hērbe).

2.2. Palatal (ç) and velar (x) remained in Middle English medially only before the group -ht and in gemination and (morph or word) finally after vowels or after liquids due to the devoicing of final (3) already in OE; (x) also occurred initially before consonants.

c1250 pene latemeste dai 286: bipezte (OE bepæhte), c1300 SLeg.Mich.(Ld) 410: in-sizt (OE insiht); a1375 WPal. brizt; c1400(?c1390) Gawain 1041: rizt; ibid. 2465: dozter; c1150(OE) Hrl. HApul 101.65/7: dolz, cf. a1200(OE) Wor. Aelfric Gloss 551/20:dolh-(OE dolg, dolh); c1250 Owl & N. 537: hozful [Jes-O: houhful], 1295: hopful [Jes-O: houhful] (OE hohful); c1380 Firumb.(1) 321: alpoz, c1400(?c1390) Gawain 350: paz, cf. c1325 Middelerd for mon 13: alpah; c1300 SLeg.Jas.(Ld) 337: zwanne, c1300 SLeg. 422/55: zwane 'when'.

2.2.1. It is commonly held that [ç] in the group /-ixt/ began to fall out in the course of the 14th century¹⁹ in most of the South-Humbrian areas, perhaps through voicing (Jordan, #196), but the loss of [x] after back vowels occurred sooner, as early as the

¹⁶ MED suggests a reading with $\mathfrak{z}e$. The original form in the manuscript may have been $\mathfrak{z}e$, which the editor has subsequently normalized to $\mathfrak{z}e$ (see "Appendix" below of this paper), for from the latter part of the 13th century on, the small letter \mathfrak{z} has "its lower horizontal stroke produced below the line in a curve to the left, and generally, a finishing recurve to the right" as \mathfrak{z} (Johnson and Jenkinson 1915:55).

¹⁷ MED says that in Middle English the fem. $h\overline{\varrho}$ is chiefly Midlands and South, rarely (if ever) North.

Ho probably indicates a reflex of the rising diphthong due to stress shift in late Old English. The earliest instance of the use of ho seems to be in Lagamon A, which has ho once (Serjeantson 1927:201).

¹⁸ On the p for h, see #VI. 2 below of this paper.

¹⁹ at least by the 15th century (Wyld 1927:217).

13th century in *Lagamon* (see Wyld, p. 217). However, the following data show that the loss of this /x/ had set in as early as the 13th century after front as well as back yowels.

2.2.1.1. After front vowels.

a1225(?c1175) PMor.(Lamb) 75: brichte [vrr. britte, brihte, brighte], c1250 Louerd asse pu ard 71: brit, 10: brist, 117: briste, c1250 Of on pat is so fayr 3: brist, (1340) Ayenb. 72: bryte, 82: brytnesse (OA brecht, bryht; WS beorht); (c1300) Havelok(Ld) 2427: knit (OE cniht); c1250 On hire is al 33: idiit [vr. ydyyt], (a1333) Shoreham Poems 133/83: dittep, ?c1450 Knt. Tour-L. 69/16: dite (OE dihtan); c1330(?a1300) Rich. (Auch) 115/19: doun rigtes [vr. rytes] 'down right'.

2.2.1.2. After back vowels.

a. Before t.

c1250 On hire is al 35, 36: pu brutist [vr. brohtest] us day, and eue nith; heo brout [vr. broʒte] wou, pu brout sid, c1300 Evang. 487: brout, c1300 Gabriel fram evene king 3: broute, c1250 Seinte marie leuedi 5: brovste (OE brohte); ?a1300 Fox & W. 85: i-kaut, c1325(c1300) Glo. Chron. A 320: cazte [B: cauwʒt, cauʒt, caute], (a1464) Capgr. Chron. 187: caute 'caught'; c1250 pene latemeste dai 28: isout (ppl.) [rime: ibrout] ((OE gesōhte); a1450 Yk. Pl. 404/163: dowty (OE dohtig), Hali Meidenhad: naut 'naught'; Lay. Brut: broute 'brought' (the last two early 13th century items cited from. Wyld 1927:217).

b. Finally.

a1400 Cursor (Göt) 4246: Al pou [Vsp: pof] 'although'; a1400(a1325) Cursor 17590: clous [Trin-C: clow] (OE *clōh 'cliff'); c1275 Ken. Serm. 217/90: pos croos (OE sg. crōg).

2.2.2. There are two interpretations on the absence, whether phonological or only orthographical, of the h in the sequence -ht. Skeat(1956, #23) thinks that the h-less forms are due to the habits of Anglo-Norman scribes who have written /-xt/ variously as ht, th, ct, cht, cth, and t; hence, in the edition he restores all the 'missing' h's. Jordan (#198 Anm. 1 and #17 Anm. 1) likewise thinks that an omission of h before t by the French scribes, as in Lay A., K.H.O., Digby 86, Will Pal., is not phonological but simply due to their difficulty with the English fricative sound; hence, -ht is said to be often written st, t, or th. On the other hand, Brödin (1950) thinks that the Anglo-Norman scribes have frequently written t3 to indicate the mute 3 by placing it at the end of a word, as in nit3 for nith or nit. He tries to account for this unusual orthographical combination, by saying that in OE words of the type niht, riht, the palatal consonant was often rendered in ME by retained h or 3. When later this palatal became mute, the vowel was lengthened, and these consonants disappeared or were kept as a sign of lengthening, and were even put at the end of the words, whereby such forms nit, nit3, nith came into being; still later h and 3 were added to other final t.

I believe, however, with Skeat and Jordan that since -ht is commonly written th and also t, rarely -ht or -zt, in Havelok, a manuscript written by a scribe of Norman birth, 20 the th spelling seems to suggest the scribe's difficulty with the English fricative sounds in question rather than an indication of the mute z as Brödin would like to interpret.

The graphic metatheses th, t3, 3th, and cth, whatever their implications may be, for ordinary ht, 3t, 3ht, and cht occur as elary as the early 13th century both after front and back vowels.

a. After front vowels.

c1250 On leome 18: brithe, (c1300) Havelok (Ld) 589, 2144: brith, c1325 Nou skrynkep 55: bryth, c1425 In place 123: bryth, (1440) *Capgr. St. Norb. 584, 1371: britz, (c1450) Capgr. St. Aug. 16/17: brith, a1450 Hrl.Cook.Bk.(1) 12: bryth (OA breht, bryht; WS beorht); c1250 On hire is al 35: nith (OE niht); a1400 Cursor(Trin-C) 17396: kizt (ppl.) [Ld: kyth] 'caught'; 1372 I am iesu 3: i-dith, c1425 In place 126: dyth... syth, a1500(c1400) Emare 395: bryzth... ydyzth, a1500 Rich.(DC) 98/1: dyth (OE dihtan); (c1300) Havelok(Ld) 604: rith (OE riht); ?a1450 Agnus Castus(Stockh) 128/25: it helpyzt (for helpytz = helpyth < OE helpan); ibid. 152/1: hardyzt (3sg. of harden v.).

b. After back vowels.

(c1300) Havelok 2791: brouthen, a1425 Ben Rule(1) 38/38: broth, c1440 PLAlex 68/4: bro3the, a1450(a1415) Mirk Fest. Suppl. 290/21: browthen, a1475 Ludus C. 364/257: brouth (OE brohte); (?a1325) Otuel & R. 2008: dougthy, c1330(?a1300) Rich.(Auch) 117/175: duhti [Brunner: duthi] (OE dohtig); (c1300) Havelok(Ld) 149: nouth (OE nāht); ibid. 170: douther (OE dohtor).

The copyist, accustomed to write both French and English, often chose a French representation for an English sound, so that st appears for ht, as in c1300 Lay. Brut (Otho) 21/30(DW): For pe mistie [=mighty] Godes loue, a1275(?1150) Prov. Alf. (Trin-C) 72/31: 3u we mistin in werelde; c1250 *St.Marg.(2) 219: brousten 'brought'; ibid. 218: heiste 'commanded'; c1300(?c1225) Horn(Cmb) 10: miste (past of may), cf. ibid. 8: miste; c1250 Judas(Trin-C) 29-31: miste, cnistes, fiste.

OF s had first become only a breathing before it was lost before another consonant in Modern French, as in dîner from OF disner, gît from gist, bête from beste.²¹ Anglo-Norman scribes used either the letter s or z to indicate an analogous development in English, namely, the loss of /x/ before t, generally in late Middle English, as shown by the rimes nyt: myzt, in (1465) Will Norwich in Norfolk Archaeology 4.332: As I lay in my bed right on a nyt / That me be rest yf of sclepe ye force & myzt.²²

²⁰ as in with (line 48), woth (213), leth (252), neth (808), and conversely, th is written t finally, as in herknet (1), wit (19, 52, 113).

²¹ See Sisam 1955:278; for a detailed account of -st for -ht by Anglo-Norman scribes, see #IV below of this paper.

²² This, however, leaves the alternation of heiste and heite in the following early Middle English text (13th c.) unaccounted for: c1250 Judas (Trin-C) V/18-19(G): "pe riche ieu pat heiste Pilatus / pi louerd pat heite ieuus." If the alternant heite here is genuine and not an orthographical

2.3. 3 represents only the letter h, not the sound, in the sequence s_3 and t_3 , the former for sh [\tilde{s}] and the latter for th [θ].

sz: (a1333) Herebert pe kynges baneres 16/7: wasszen (OE wascan); tz: 1372 At pe time 25: detz (OE dēap), (I389) Nrf. Gild Ret. 36: a clotz (OE clāp), (c1440) *Capgr. St.Norb. 1239: witz pe ziftes seuene.

In a1400 HEuen it is 2: richz 'rich', the z is used redundantly after h.

2.4. 3h for [h].

c1440 Thrn. Med. Bk. 19/15: 3hiskyng 'hiccupping'; c1330 Assump. Virg.(2) 276: 3he [=Mary]; a1375 WPal. 1985: 3he, cf. (a1387) Trev. Higd. 1.11: 3e [=Ruth] (MED hē pron.(2)).

3. [s] and [z].

The letter s is substituted for h as early as about 1250. Conversely, the letter z is substituted for s, as in ics for ich and dish for dish: a1300 Wolrdes blis no last 3-4: hich [vr. ics] ... hic [vr. ics] (OE ic); 1349 Acc. Exch. K.R. 471/3 m. 10 (OED col.): dishednayl, cf. 1348 Acc. Exch. K.R. 471/1 m. 1 (OED col.): discensil. The letter z is commonly used to represent y in native words but s or z in French loan-words. Palaeographically speaking, the Caroline minuscule form of z with a tail is identical with the native z in script form, though entirely distinct in origin and sound value.

3.1. [s].

a. In stressed syllables.

a1450(1408) *Vegetius(1)100a: strynges i-made of zenewes and here / Plente of senewes and horshere for strenges; (a1460) Vegetius(2)(Pmb-C) 1937, 1977: 3awe(Lat. serra 'saw', a military term); c1440 Thrn. Med. Bk. 28/1, 20/20: 3ucre 'sugar'; c1400 (?c1390) Gawain 2173: forz 'waterfall'.23

b. In unstressed syllables.

c1400(?c1390) Gawain 640: fautlez ~ 1761: fautles, ibid. 280: berdlez, ibid. 267: azlez (< OE -lēas). Before the end of the 13th century, final [s] became [z] after vowels of unstressed syllables. Therefore, z generally represents [z] in unstressed syllables but [s] in the bound morpheme {-les} (Davis, p.136 in Tolkien and Gordon 1967; Mclaughlin, p. 99) as it probably received a stronger stress.

In the Northern dialects, OE sc became s [s] (already in late OE times, as in englis in the Lindisfarne Gospels) in unstressed or sentence secondary stress (Satztieftoniger) position, especially in the derivatives in names in Inglis, Frankis, Denis, and also in the auxiliary sal, sulde; elsewhere, it remained [š], spelled sh, sch in the Midland dialects, and sh, sch, ss in tihe Southern and Western dialects, and ss in Eastern and South and

^{&#}x27;blunder' by the Anglo-Norman scribe, then it certainly points to an early ME loss of [ç].

²³ So MED under the entry word *fors*. But Davis (p. 125 in Tolkien and Gordon 1967) thinks that the word is from OE *furh* 'furrow', used in the sense of water course, since 3 is not used with this value /s/ after r in a stressed syllable. The script forms of the following final -z's may have been 3's in the manuscripts: c1300 *SLeg*. (Hrl) 475/348: surpliz, 503/342: croiz (cf. *ibid*. 503/345: croice), *ibid*. 552/71: voiz.

Kent.²⁴ In c1250 Owl & N.(Clg) 151: sewi 'to show', 895: fleses, s is used apparently for [š], by the Anglo-Norman scribes. The use of x for s occurs in Anglo-Norman in the Camb. Psalt. v.i: reix (Menger, p.109; also see Pope, \$\pm\733\$), also in (1450) Scrope DSP 170/33: ambicieux, (1436) Will York in Sur.Soc.30 75: corporax, c1450 Alph. Tales 462/15: corprax, cf. c1330(?a1300) Guy(2) corporas (OF corpraus; MED corprās), where x points to [s], nol [š]. However, Paues (p.447 fn.2) says that the symbol x for the English [š], though infrequent, occurs in xalt and xal.

c1400(?c1390) Gawain 2223: denez (OE daneis; OE denisc), cf. c1325(c1300) Glo. Chron. A. 6060: deueniss [vr. dench], c1330(?c1300) Guy(1) 3585: danis, a1400(a1325) Cursor 24771: danis, a1225(?a1200) Lay. Brut 12854: Densce [Otho: Dense].

c. In the sequence t_3 .

The spelling t3 has generally been interpreted as indicating voiceless [s]. As Gordon has pointed out (1953, p.93), the sequence t3 is used only for voliceless [s] at the end of stressed monosyllables, as in wat3, hat3, sat3, got3, as in Gawain, where dot3 (line 2211), got3 (17), hat3 (375), wat3 (4) alternate with dos (1308), gos (935), and was (169). That this t3 represents [s] can be proved by the rimes, for example, in c1400 (?c1380) Pearl 440-41: place... hat3. In Old French, z and tz were used to represent the sound [ts], as in Fitz-Gerald (Mod. French fils). When later this OF [ts] had been assimilated to ss, and then simplified to s, generally in the 13th century—earlier in the North²⁵—the older traditional spelling tz was sometimes kept for s.²⁶

3.2. [z].

a. In stressed syllables.

c1380 Firumb.(1)(Ashm) 2036: dozepers 'twelve peers' (OF doze-~duz(z)e-);²⁷ c1375 The Dancers of Colbek (Harley 1701) 5/46(S): azone; a1400 PPl. B (Trin-C) 15. 17(= VII/12(G)): maze; c1400(?c1390) Gawain (Nero) 517: zeferus (Lat. Zephyrus); c1400 (?1380) Cleanness 1648: dezyre 'desire'; (c1385) Chaucer CT.Kn. A. 1985: a veze [vrr. wese, veze]; c1430(a1400) Love Mirror (Brsn) 193/5: lazar 'Lazarus'; ?c1475 *Cath. Angl. 2a: azell [Monson: aisselle] (OF aisil 'vinegar'); (a1420) Lydg. TB 2.4717: azour, cf. ibid. 1.384: asour; MS Reg.17.B i.f.14b (British Museum, of the early 15th c.): "z is figurid lijk a zed... which is pe laste lettre of pe a.b.c" (see Paues 1911:442).

b. In final unstressed syllables.

Final [s] is said to have become [z] after vowels of unstressed syllables even before the end of the 13th century, and this [z] was then retained under stress (McLaughlin

²⁴ See Morsbach, ##7-9; Jordan, #183, #260. Jordan (#17.2), however, says that French scribes attempted to represent the [s] sound a first by s, ss, and then, sh, ssh, using the h as a diacritic for palatalization on the analogy of ch.

²⁵ See Paues, #194; Davis, p. 136; however, Zachrisson (cited in Jordan, #259) says that this French ts became s in English, already in the 12th century.

²⁶ McLaughlin (p. 100), however, concludes that "the weight of the evidence seems to favor the interpretation [of t3] as voiced [z]." Cf. c1400(?c1380) Pearl 501: sayt3 \sim 615: says.

1963:99). There are indications that in the course of the 15th century, earlier in the North, the unstressed e of the inflectional ending -es was lost, and that this final s, including those in unstressed words like was, his, was voiced before the gradual loss of the unstressed vowel e (Jordan, #291, #208).

c1400(?c1390) Gawain 1139: houndez, 1606: bigynnez, etc.

- 3.3. 3 represents only the letter s, not the sound, in the sequence s3 (i.e. ss): a1500 Alex.-Cassamus 518: desgeperys, cf. c1300 Lay. Brut (Otho) 1622: dosseperes [Clg: duczepers] (OF dozeper(s)).
 - 3.4. 3h for sh [\check{s}] (on the diacritical use of h, see #1.15 above).

1349 Acc. Exch. K.R. 471/3m.10 (OED col.): dighednayl, cf. 1348 Acc. Exch. K.R. 471/1m.1 (OED col.): discensil.

4.1. [w]. 28

4.1.1. From OE or OI [3].

In OE, [g] occurred only medially²⁹ in two positions: intervocalically, next to back vowels, as in sagu and nigon, and after liquids r or l and before any vowel, front or back—finally, [3] had become devoiced to [x]. This [3] was later labialized to 3^w and vocalized to u by way of w, first in the Southwest Midland (Worcester), about 1200, as confirmed by the w-spellings (Brunner, #13 Note 5), but somewhat later in the North-Midland and the North, and not until toward 1400 in Kent (Jordan, #186). This change is limited in the main to stressed syllables.

This OE [3] then appears as ME [w] in the following environments.

4.1.1.1. Intervocalically, only after back vowels.30

c1400(?1390) Gawain 514: innoge [rime: 512 blowe] ~1401: innowe (OE genōh); (1340) Ayenb. 111/31: doze, 31 cf. a1325 Gloss. Bibbesw (Arun) 155: douw (OE dāg; MED dough); c1400 (?c1390) Gawain 1650: wozez ~ 1180: wowes (OE wāg 'wall'); c1300 (?c1225) Horn 88: aslaze [vr. yslawe] 'slain'; a1225(?a1200) Lay. Brut 6471: boze ~ 1453: bowe, cf. a1400 Cursor (Göt) 1977: bou (OE boga); c1400(?c1380) Cleanness 1670; saze ~ 109: sawe (OE sagu); a1225(?a1200) Lay. Brut 1195: hazel [c1300: hawel]

²⁷ In the course of the 13th century, [dz] became [z] (Pope, #194), which is written 3. In Old French, s in intervocalic position stood for [z] (Pope, #693).

²⁸ Greg (1910:283) explains the substitution of 3 for w as involving first "a misreading of p for y and then a confusion of 3 with p."

²⁰ Some, however, think that it also occrured initially before back vowels in very early Old English but that it later became a stop [g] in the second half of the 10th century (Jordan, #184; Wyld, #86 about 1000). Moulton (p. 24) concludes from "the evidence" that pre-OE /g/ was a stop initially before back vowels, but he adds that "the evidence that OE initial g-plus back vowel or consonant represented a stop is inconclusive; it could conceivably have been a velar spirant" (p. 24 fn. 58).

³⁰ Hence, OE [3] as in *nigon* didn't become w but y since it now came to stand between two non-back vowels in Middle English, subsequent to the change of the unstressed [5] to [7] in the 12th century, as in a1225(?a1200) Lay. *Brut* 1188, 5149: nizen (< nizon) (see Jordan, #190).

³¹ However, Jordan (#186) says that 3 was still [3] in Kentish until 1400.

(OE hægel & hagol).

- 4.1.1.2. Medially after liquids r or l and before a vowel.
- a. c1400(?c1390) Gawain 145: folzande, c1400(?c1380) Cleanness 429: folwande; a1225 (?a1200) Lay. Brut 19542: halgen [c1300: halwe] (OE hālga); ibid. 6396: abolwen ~ 26175: abolzen [c1300: abolwe] (OE ābolgen, ppl. of āblegan).
- b. With an intrusive vowel developed after a liquid and before OE [3] (after short accented vowles): c1250 *Prov.Alf.* 204: arege [Jes-O: arewe], a1225(?c1175) *PMor.* (Lamb) 17: erge [vrr. erewe, arg; arge] (OE earh, infl. earga).
 - 4.1.1.3. Finally after the final e had been lost.

c1400(?c1390) Gawain 2335: a3(le3), cf. (1440) Let.Bk.Lond.K 244: awles, c1450 (?a 1400) Wars Alex. 1459: a3e [Dub: aw], a1400(a1325) Cursor 1773: au (ON agi + OE lēas); a1400 Cursor(Göt) 1977: bou [Frf: boghe; Vsp: bou], cf. a1225(?a1200) Lay. Brut 1453: bowe, 6471: bo3e (OE boga).

4.1.2. From OE w.

(a1382) WBible(1) Ecclus. 43.22: bleez [WB(2): blew] (OE blēow); c1400(?c1380) Cleanness 397: flozed, c1450(?a1400) Wars Alex. 2053: flozes [Dub: flowes] (< OE flowan); a1225(?a1200) Lay. Brut 15741: huze, 19889: heuwe; MED heu 'color').

4.1.3. From OE /-xx-/.

The long hh became (h)w in Middle English: c1400(?c1390) Gawain 307: cozed, cf. a1325 Gloss. Bibbesw. 1087: kouwe [vr. cowgh], c1400(a1378) PPl.B(Ld) 17.325: cougheth [C: kowep; vrr. couep, cowhep, couzip] (OE cohhetan).

4.1.4. From OE /f/[v].32

c1380 Firumb (1) 4319: aboze, cf. c1400(c1300) N.Hom.(1) Gosp. p. 96: abowen, (c1444) Paston 2.66: abowe (OE (a)bufan). MED says that abow, aboze are Southwestern. 4.2. /u/.

- (1433) ?Phillip Serm. GF 253: hudyze, cf. c1450(?a1400) Destr. Troy 10014: hidious.
- 4.3. 3 represents the letter w, not the sound, in the sequence o_3 ; hence, o_3 is o_w for \sqrt{u} .

c1400(?c1390) Gawain 305: brozes ~ 2306 browe (OE brū).

4.4. 3 for length mark.

a. uz for \bar{u} : c1330(?a1300) Arth. & M. 9798: duzste [rime: luzste], 9435: dust (akin to $d\bar{u}st$? OE *dystan); ?a1450 Agnus Castus(Stockh): buzt (OE būtan).

b. o3 for /ō/: ?a1450 Agnus Castus(Stockh): ho3t (OE hāt), no3t (OE nāht); (a1333) Shoreham Poems 5/137: fo3te(OE fot), cf. a1225(?a1200) Lay. Brut 29314: an heonden and a futen, c1300(?c1225) Horn 134: fout, ?c1375 Abyde gud men: fute and hand.³³

³² Cf. ME aw from OE af- before a vowel: OE hafoc→ME havek, hawk (see Wyld 1927: 124)

³³ See Roseborough (1938:30): "From the late thirteenth century on, $\bar{\sigma}$ appears to have been raised and rounded to $[\ddot{u}]$, which was identified with French \bar{u} ". Brunner (1963:15): "OE $\bar{\sigma}$, about the 14th century, north of a line running west from the Humber, became an $[\ddot{u}]$ sound, more and

c. az for /ā/: a_{1450} Agnus Castus (Stockh) 132/3: hazt $\sim 121/7$: hat (MED hāt, hait, 3sg. of habban).

4.5. 3 used redundantly after u and w.34

a1300 Edi beo pu 26: deuz, c1390 Disp.Virg. & Cross 228: dewz, ?a1450 Agnus Castus (Stockh): zelwz, c1450 Med.Bk.(2) 222: deuz (OE dēaw); a1300 Edi beo pu 30: breuz (OE brēaw); c1300 SLeg. Patr. Purg.(Ld) 184: bleuz (OE blēow); c1390 Castle Love (1) 711: heuz [vr. hue] (OE hēow; MED heu 'color'); c1300 SLeg. Patr. Purg.(Ld) 12: auzter, (a1389) Trev. Higd. 5. 133: auztres [vrr. auters, auzteres] (OF aut(i)er, OE alter); c1300 SLeg.(Ld) 372/176: blouzman, 35 cf. (a1387) Trev. Higd. 1. 131: blomen (ON & OF blo; MED blō-man); a1400 Cursor(Trin-C) 6043: gnowze [Frf: gnow] (< OE gnagan); c1400 Trev. Higd.(Tbr) 1. 231: gokkouz [StJ-C: kukkow]; (1390) Charter Abbey HG(Ld) 346: abouzte, cf. (1449) Metham AC 438: abought, a1500 Go ye before p. 283: abowght [rime: route] (OE onbūtan); a1375 WPal. 4265: houz, c1400 Trev. Higd.(Tbr) 2.23: houz [StJ-C: how], c1430(c1400) Wycl. FCLife 195: houz, a1450 (c1410) Lovel. Grail 36.202: howh (OE hū); c1300 Body & S.(5) p.51: clouzt [Auch: clout] (OE clūt); (a1387) Trev. Higd. 3. 193: douzte, (a1415) Wycl. Lantern 2/12: douztis (OF dote, doute).

- 5. /g/.
- 5.1. From OE /g/.
- 5.1.1. Word or morph initially before consonants or (original) back vowels.

a1225 Wint. Ben. Rule 75/17: 3refe 'stylus'; a1150 Rwl.G. 57. Gloss 25: 3reme (OE gremain); ibid. 25: 3ret (OE gretan).

a1225(c1200) Vices & V.(1) 119/16: zalle, c1330(?a1300) Arth. & M. 7176: zalle; c1225(?c1200) SWard 20/184: zuldene [vr. guldene]; a1250(?c1150) Prov. Alf. (*Glb-James) 13: zan [Trin-C: gon], ibid. 100/265: zin, a1225(c1200) Vices & V.(1) 5/8: (an)-zin ~ 115/7: angin (OE onginnan); c1150(OE) Hrl.MQad. 2/19: zyrdels (OE gyrdel); a1225(c1200) Vices & V.(1) 103/7: zode, 119/20: zode (OE gōd); a1250(?c1150) Prov. Alf. (Mdst) 83/101: golde [vr. zolde] (OE gold); c1225(?c1200) SWard 18/164: zeað [vr. geð], a1250 Ancr. (Nero) 188/20: zoing [Recl: goyng] (< OE gān): c1150(?OE) PDidax. 49/17: zoman, a1225(c1200) Vices & V.(1) 119/23: zomes (OE gōma).

more commonly spelt u or ui, which rimes with French $[\bar{u}]$: thus gude and guid instead of good 'good', blud and bluid instead of blood 'blood', and so on. Elsewhere $\bar{\sigma}$ remained as a close $[\bar{\sigma}]$." Jordan(#53) says that, in late ME, closed $\bar{\sigma}$ is sometimes written ou (in Shoreham, Mannying, Gawain poets, and Southwestern writings of the 14th c.) to distinguish it from open $\bar{\phi}$; therefore, this ou spelling didn't represent the shift of $\bar{\sigma}$ to \bar{u} which didn't appear until acout 1400. If so, the 3 in fozte may also represent the letter w. He also adds that French spelling \bar{u} for $\bar{\sigma}$ occurs, especially in Genesis and Exodus and MS Arundel 248 (#53 Anm). The u-spellings for σ occur in the North from the 14th century at first sparingly but later on very frequently, except before u (=v), n, m, and after w, and in final position, and very seldom before 3, gh (Luick, #406; see also Jordan, #54).

³⁴ Cf. OE ēaw, ēow → ME ou, eu respectively.

³⁵ On the spelling ou for ō, see fn. 33 above.

5.1.2. Medially or finally after n.

a1250(?c1150) Prov.Alf.(*Glb-James) 27/17: Alfred he was on engelond a king wel swide strong; a1150 Rwl.G.57. Gloss. 27: inting (OE intinga); (a1402) Trev. Dial. MC 2/3: strengpe; c1300 SLeg. Becket(Hrl) p.67: thength; ?c1200 Orm. 4508: gangenn (OE gangan).

5.2. From OI and OF /g/.

a1400(a1325) Glo. Chron. B (Trin-C) 6120(=VI/19(G)): 3ates (ON gata); c1400 (?c1390) Gawain 1453: 3aule (ON gaula); ibid. 1215: 3e3e (< OI geyja?); ?c1200 Orm. 10885: 3æress, 8050: gæress (ON görvi, gervi; MED gēre).

c1425 Glo. Chron. A.(Hrl) p.192: ozyrt, c1450(?a1400) Wars Alex. 772: augird (?OF avant-garde; cf. OI āgjart); 1389 Nrf. Gild Ret. 76: janzelynge, a1425(?1384) Wycl. Church 352: jozelour (AF jogelour).

5.3. 3h for [3] in early ME in *Ormulum*: azhenn 'own', bozhess 'boughs', ezhe 'eyes' (see Jordan, #190; Brunner, p.43 Note 7).

6. /j/.

c1150 Hrl. HApul 130.126/1: drenge (cf. OE drinc; MED drink);³⁶ [ts] and [dz] were retained longer in the English loan-words and in later Anglo-Norman than on the Continent, where they, however, became [s] and [z] respectively in the course of the 13th century (Pope, #1181, #194): (1463) Acc. Howard in RC 57 180: zayle, cf. (1464) ibid. 187: gayel (OF jaiole); c1390 PPl.A(Vrn) Prol. 47: seint Ieme [vr. 3ame], cf. c1325(c1300) Glo.Chron.A 10278: at gemes tid (OF James); a1425 Wycl. Serm. 1.410: 3aping (?OE).

7. $/\theta/;/\delta/.$

Brödin (1950) says that the first scribe of the manuscript (?a1450 Agnus Castus (Stockh)) uses z as a voiceless dental fricative, which use is probably to be regarded as an inverted spelling because in late Middle English y was used both for the palatal fricative z and the dental p, which in writing often took the form of y. Simiarly, Sisam (p.275) interprets that z for p initially is more often due to confusion of the letters p and y and subsequent preference of z for y in spelling than to direct confusion of p and z, which are not usually very similar in late Middle English script.

7.1. Initially.

c1350 Cmb. Ee. 4.20 Nominals 120: 3resschith 'thrasheth'; ibid. 591: 3auynge 'thawing'; 37 a1375 WPal(KC) 3799: 3ourth 'through'; ibid. 447: 3out 'thought'; ?a1450 Agnus Castus(Stockh) 132/3: 3ow 'though'; ?a1450 Macer(Stockh) 194/4: 3ye 'thigh', 153/11: 3ies; c1430-40 Harrowing of Hell 177/70(S): 3e Iewes 'the Jews'—Initial p came to be voiced in unstressed words in the 15th century.

³⁶ MED says that a pronunciation drenže may have existed, by blending with drenche.

³⁷ This text is evidently the work of a Norman scribe, who makes the usual mistakes by confusing p with 3 (Skeat 1906, p. 2^*).

7.2. Medially.

a1400 Cursor(Trin-C) 4781: blize [Vsp: blith]; 38 c1150(OE) Hrl. HApul. 119.100/1: bozen, cf. a1500 Agnus Castus(Hrl) p. 167: bopen (OE bopen); a1400 Kindeli is 4: brizel, c1450 Capgr. St. Kath. 4.1531: brethel (MED brethel); c1130 7 Sages(1) 83/A 1744: wizinne 'within'; a1425 Ben. Rule(1) 36/19: clazing ~ 38/19: claping (MED clothing); a1375 WPal. 5002: greized, c1380 Firumb(1) 1472: greype (cf. OI greiða).

7.3. Word or morph finally.

?a1425(?a1350) Castleford Chron. 19924, 19926: Iugelour...pat mikel cuz of gam and gle... Fele burdes and wordes for soz he carpes; c1330 7 Sages(1) (Auch) 2235: wiz, c1330 Degare(Auch) 44: wiz 'with'; c1300 SLeg.(Ld) 366/35: dez, c1330 Degare 943: dez-dint, c1390 SLeg. Cross(Ld) 168: dez (OE dēap); a1375 WPal. 261: feiz(liche),209: feply (MED feithlī < AF feid & fei); 39 (1340) Ayenb. 234/8, 12: hondraz(te) (=hondraðte with ð for d); ?a1450 Agnus Castus(Stockh) 132/3: haz 'hath' (3sg. of habban).

7.4. In inflectional syllables: $[\theta]$.

c1300(c1250) Floris(Cmb) 448: he... gop forp and letez hire stonde, 635: criez, 459: gez.

7.5. 3h for [ð].

a1400 NVPsalter(Hrl) 130.5: hezhen [Vsp: hethen] (MED hethen adv.; cf. CI heðan).

8. 3 for various abbreviation marks.

In Latin palaeography, punctuation marks were used for abbreviations—the full point, and a colon or a semicolon: the first is the earliest and simplest mark of abbreviation (exp. A•=aut) and the latter two appeared next (exp. B;), of which the favorite from was the semicolon, which later developed, by rapid writing, into a z-shaped form from the 11th century on and was employed for various abbreviations: -us, -ue, -que, -et, later also for final m. A survival of the abbreviation z for et, as in sz for set (i.e. sed), is seen in the z (for z) in viz for videlicet (see Thompson, p. 99; also Johnson and Jenkinson p. 55). This z-type abbreviation mark appears in English court hand from the 12th century (see Johnson and Jenkinson, pp. 60-61 and xxv). The following data, unless otherwise noted, are from Statues Realm, vol. 1 (1810), a collection of early Middle English Latin documents from 1235 on.

- 8.1. For -us, as in Abbatibz, quibz; for -et, as in sz for set ~ sed and in possz; as a comprehensive mark of abbreviation: quixz for quillibet, qnz for quandoque, and videlz for videlicet (p. lxiii).
- 8.2. For a name: zorke (p. 52); c1460 Erly in a someristide 154/15, 25: Z.E.R.E. written affter brute...3 for zorke, pat is manly and my3tfull, ibid. 155/25: A 3 for yorke.
 - 8.3. For the Tironian sign for the conjunctive and or et (p. 52): a1350 SLeg. Blase

³⁸ Or could blize be for bli adj., reduced from of blithe adj.?

³⁹ Or could feiz- be for AF variant fei?

(Ld) 22: He wenten 3 tolde, ibid. 91: pei 3eden 3 gadereden.

II. y

The ME script forms of y and p are nearly, sometimes quite, identical, so that they are distinguished from each other by the former being overdotted. A common script form of y in Middle English is z, which is also used for /x/; hence, the four letters z, y, i, and j are often used interchangeably.

1. þ; ð.

(1399) RParl. 3.452a: all yof 'although'; a1500 Agnus Castus (Hrl) p. 167: bopen [vrr. boyme, bothen], cf. c1150(OE) Hrl. HApul. 119.100/1: bozen (OE bopen) (on the graphic substitution of 3 for p, see #1.7 above); 1389 Nrf. Gild Ret. 109: breyeroun (OE bropor); (1440) PParv. 242: hyye (MED hith(e); c1305 Als i me rod 12: yider (OE pider).

2. 3 (for h).

a1300 I syke 60: bibopt [vrr. bi-boyt, boht] (OE beboht) (on the graphic substitution of p for h, see #VI.2 below); (c1300) Havelok(Ld) 1219: mayt; a1325 (?c1300) NPass. 102-4: yio [Rwl C. 655: he].

3. $j \sim g$ for /j/.

(1440) PParv. 140: enyoyen [vr. enioyn], cf. a1475 Ludus C. 118/83: injouyid (OF enjo-ir); (1467-8) Doc. Finchale in Sur. Soc. 6 p. cccvi: ywnnyng (MED joininge); a1500 (1422) Yonge SSecr. 225/26-27: yontures (OF jointure); ibid. 240/8: youse, cf. (c1440) Scrope Othea 84: ioyeux (OF joios, joiex); c1400(c1387) PPl. B(Ld) 13.83: Iurdan [C: yurdan] (ML jurdānus; MED Jordan).

4. /1/.

(1440) *PParv.* 242: hȳye (MED hīth(e); c1475(a1449) Lydg. *St. Giles* 159: deuhy (OE dēawig; MED deuī); (a1398) *Trev. *Barth* 41b/b: heuyere, a1300 *SLeg.*(Ld): hevʒ (MED hĕvī), cf. a1225(?a1200) Lay. *Brut* 2795: hefezere (where eʒ, iʒ = ī, see #I. 1.4b above).

III. h

H is used for w, p, y, diacritic symbols, and an epenthetic h, and also redundantly. H for w and y is due to the fact that all the three letters are related to the z, which represents y, for example, next to a front vowel, y, next to a back vowel, and y, next to a consonant. H for p is due to the graphic similarity of the letters p and y, with subsequent employment of z for y, and then of the archaic h for z in spelling (cf. #II above and #VI. 2 below).

⁴⁰ The substitution of h for p has also been explained as due to confusion caused by the difficulty experienced by French scribes in distinguishing between the two unfamiliar fricative sounds.

1. w (for OE or OI [3]).

c1230(?a1200) *Ancr. 6a: dahunge, cf. c1325 (c1300) Glo. Chron. A 4245: dawiinge (OE dagung; MED dauinge); a1225(?c1200) St. Juliana 43/456: feolahe, cf. c1250 *St. Marg. (2) 27: felawes, c1300(?1225) Horn 996: felaze (ON; cf. OI fē-lagi); a1300 Gloss. Bibbesw. (Seld) 832: velien [vrr. felouhes, felewes] (OE sg. felg; pl. felga, -an; MED fělau(e); c1230(?a1200) Ancr. 31/2: haher [Nero: hawur; Cleo: hazer] (ON; cf. OI hagr; MED hauer); c1230(?a1200) Ancr. 166/21: itohe [Nero: itowen], cf. c1250 Owl & N. 1725: itozen (ppl.) [vr. itowen] (<OE getēon).

2. p~ð.

a1225(?a1200) Lay. Brut 4058: norh [c1300: norp] Wales; a1250(?1150) Prov.Alf. (Mdst) 83/98: wurhere; c1325 Mon in pe mone(Hrl) XXXI/39(DW): teh(OE tēp); c1325 Lenten ys come XVB/22(S): doh (=dop).

3. y (i.e. 3).

a1300 Owl & N. (Jes-O) 408: bareh [Clg: barez], cf. c1440(?a1400) Morte Arth.(1) 191: barowes (OE bearg. bearh); 1 c1400(c1378) PPl.B(Ld) Prol. 161: bizes [vrr. beizes, behes, byes] (OE bēag, bēah); a1300 Leuedi sainte 20: dehe (OE dēag, dē(a)h); a1225 Wint. Ben. Rule 67/15: dihlice, c1225(?a1200) St.Marg.(1) 38/13: dihelnesse, cf. a1225(?a1200) Lay. Brut 13539: dizelliche (OE dēagellīce); c1450 Ponthus 96/11, 105/5: convehed, 69/22: conveyd, c1460 Ipom.(3) 327/31: convehed; (a1393) Gower CA 8.23: conveied (OF conveier; MED cŏnveien); c1250 Glade us maiden 9: dehit (ppl.), cf. a1300 Floris(Vit) 77/84: idized (ppl.) (OI deyja; MED dēen).

- 4. Diacritic symbols for vowel length and hiatus, or vowel length alone.
- a. Vowel length and hiatus (see #I.1.3.1b above).

(a1420) Lydg. TB 1.3067: coharte, (?a1430) Lydg. Pilgr. 24829: coharte, cf. ?a1425 *Chauliac(1) 144b/a: coarte (L; MED cōarten); ibid. 153b/b: cohite, 94b/b: coite (OF coït; MED cōite); (1440) PParv. 120: dyel [KC: dial, diholf] (OE; MED dīal).

b. Vowel length alone (see #I.1.3.1a above).

c1440(?a1400) Morte Arth.(1) 723: daynttehely (MED deintēli < deintēli < deintēli; a1225 (?1200) Lay. Brut 19869: iwihten (OE gewītan; MED iwīten).

5. Word or morph initial epenthetic (excrescent) h.

Initial excrescent fricative h occurs already in Old English in the late 9th century Hatton manuscript of the Pastoral Care: his 215/19 (Cotton MS: is). This epenthetic h is said to take place "only in stressed syllabes, and especially in those that have extra strong sentence-stress" (Wyld, p.219). In later Old French from the 13th century on, to obviate the ambiguity of the symbol u, the h was often prefixed to words beginning

The Normans still pronounced the intervocalic dentals at the time of the Conquest, and that this pronunciation was continued in Anglo-Norman for some time, till toward the middle of the 12th century in any case (Menger, p. 92).

⁴¹ W after an epenthetic back vowel but y after an epenthetic front vowel.

with this symbol used with vocalic or semivocalic value, as in huis, huit, huem.42

(c1300) Havelok(Ld) 304: hic; ibid. 322: (per)hinne; a1300 Worldes blis ne last 3-4: hich [vr. ics] ...hic [vr. ics] (OE ic); c1250 Owl & N.(Clg) 4: hule; ibid. 1177: hartu; ibid. 1733: hunke; a1440(?a1400) Morte Arth.(1) 3244: enhoride, cf. c1400(?a1380) Cleanness 19: enorled (OF orler; MED enorlen).

- 6. -ih and hi- for -iz and zi- respectively, for short /i/ (see #1.1.3.2a and b above). ?a1300 Sayings St.Bede 195: herihinge, cf. (a1333) Herbert Wele herizyng, c1250 Owl & N. 981: heriinge; a1300 Loke to pi louerd 2: hyf, cf. a1325(?c1300) NPass. 385: yif [vrr. zif, if, hiff] (OE gif; MED if).
 - 7. Redundantly after u and w (see #I.4.8 above).

c1475(a1449) Lydg. St. Giles 159: deuhy (OE dēawig; MED deuī); c1400(c1378) PPl.B(Ld) 5.622: dew [C: deuh], a1475(?a1430) Lydg. Pilgr. 5403: dewh, cf. c1450 Med.Bk.(2) 222: dewz, c1390 Disp. Virg. & Cross 228: dewz (OE dēaw; MED deu); a1450(c1410) Lovel. Grail 36.202: howh, cf. (1472) Paston 5.154: howgh, a1375 WPal. 4265: houz, c1400 Trev. Higd.(Tbr) 2.23: houz [StJ-C: how] (OE hū; MED hǒu).

IV. s

In French, [s] before a consonant (t) was velarized to [x] in the 11th or 12th century (Pope, #1178); this 'weakened' s, however, was still "sounded" into the 13th century (except in the western region) as indicated by the rhymes of Old French poets (Pope, #377). On the Continent, this stage was evidently ephemeral, but in Anglo-Norman, where these consonants found support in the English sound system, this fricative [ç] (after front vowels) or [x] (after back vowels) persisted into the late 13th or 14th century, as a strested by the spellings and rhymes of French loan-words in German poems, e.g. foreht, reht, or by the testimony of the fifth rule of the 13th (\sim 14th) century Anglo-Norman Orthographia Gallica (pp. 8 and 49): "Quant s est joynt [a la t], ele avera le soun de h, come est, plest seront sonez eght, pleght" (when s is joined to t, it has the sound of h, and that est, plest should be pronounced eght, pleght (see Pope, #378(ii), #1178(ii); Menger, p. 106; Morsbach, #16 Anm. 1.). Anglo-Norman scribes represented this palatal and velar fricatives by the English h and occasionly by gh or sh, as in miht, eshtel (Pope, #1216(iv); Menger, p. 102), osaht, vousiht, fuht, etc. (Pope, #1178), or still by original s, as in miste 'might' and boust 'bought'.

The exact phonetic nature of this spelling h (or gh, sh) from the old s is not certain, but was (at first) a sound representing "one of the many series of changes s may have undergone before disappearance" in the early part of the 13th century (Menger, pp.

⁴² Pope, #730; Anglo-Norman scribes often omitted or inserted incorrectly initial h (see Brunner, p. 43). On the initial epenthetic h alternating with 3, see #I.1.1.2b above.

⁴³ Pope, #1178; for -st we find st, ht (ght, sht), and also ϕ (disappearance) in Anglo-Norman (Menger, p. 102).

106-107). Apparently, the sibilant fricative had first been weakened to a backed flat fricative [c] or [x] and further to a glottal fricative (i. e. a breathing [h]) before it was lost.

When this preconsonantal s was finally effaced, the traditional spelling s was then maintained frequently and used as a diacritic to indicate the lengthening of the preceding vowel. This diacritical function of s was subsequently extended to other words unetymologically, as Peletier du Mans states: "Nous métons voulontiers céte létre(s) pour sinifier que la sillable êt longue" (see Pope, #725(i)).

A similar development occurred in English also, as when ME gh had been lost, for example, before t, the old gh then came to be used as a diacritic to indicate vowel length—this, of course, by reverse spelling: (1461) Paston ii. 29: wright (OE wrītan), c1450 Lydg. SSecr.Ctn. 1814: audight (L. audītus; MED audīte).

a. After front vowels.

c1250 Of on pat is so fayr 3: brist, c1250 Louerd asse pu ard 10: brist, 117: briste, 71: brit (withot h), cf. a1225(?c1175) PMor.(Lamb) 75: brichte [vrr. brihte, brigte, britte] (OA breht, bryht; WS beorht; MED bright); c1250 Doomsday(Trin-C) 6: disten, c1250 Louerd asse pu ard 119: diste (OE dihtan); c1250 Judas 34: fiste, cf. a1225(?c1200) St. Juliana 63/684: to fiten (without h)(OE feohtan); c1250 *St. Marg.(2) (Trin-C) 218: heiste, c1250 Judas(Trin-C) 19: heiste, 20: heite (OE hēt); ibid. 6: meist mete 'might meet', 29: miste 'might' [rime: cnistes (line 30) 'knights', fiste (31) 'fight'], a1275(?1150) Prov.Alf.(Trin-C) 72/31: mistin, c1300(?c1225) Horn(Cmb) 10: miste.

b. After back vowels.

c1250 Judas(Trin-C) 26: ic am iboust (OE boht); c1250 *St.Marg.(2) 219: brousten, c1250 Seinte marie leuedi 5: brovste (OE broht); c1300(?c1225) Horn 15/249: doster (OE dohter); c1440 PParv. 129: dowsty (OE dohtig); c1250 Wolle ye i-heren 4: isoust (ppl.) [rime: ibroust], c1250 pene latemeste dai 28: isout (ppl.) [rime: ibrout] (without h), ?a1300 Jacob & J. 420: isouzt (ppl.) (OE sōhte); c1250 pene latemeste dai 68: bipaiste (ppl.) [vr. bipahte] ~ 286: bipezte.

V. w

W is used for 3, $j \sim g$, and f.

W for y and j ($\sim g$) is due to the fact that all these letters are related to z, which represents w, for example, next to a back vowel, as well as y and j (see #11.3 above); w for f is due to the fact that u or v was used for w, and since u and v interchanged with each other, one of them was subsequently employed for f.

- 1. 3 (i.e. y) /y/: a1225 Wint.Ben.Rule 71/12: andwit (MED and3it).
- 2. $j \sim g$ /j/: c1390 *Psalt. Maria*(1) 440: pe Iewes mod [L. tempera judicis] (OF juge; MED juge; MED juge).
 - 3. f/f/, /v/ (see #I.4.4 above): (c1385) Chaucer CT.Kn. A.1985: a veze [vrr. wese,

veze] (MED fēse); a1400(c1300) NHom.(1) Gosp. p. 96: abowen, (1444) Paston 2.66: abowe, c1380 Firumb.(1) 4319: aboze (MED aboue(n); a1325(c1300) Glo. Chron. A. 2198: a wissinge [c1425: a fischyng], 5351: a-vissinge 'on-fishing'.

VI. p

p is used for y, h, w, s, f, and d and t.

1. y (see #II above).

Concerning the two English letters that have no equivalents in the French alphabet, a 14th century writer remarks as follows: "Auxi come nous auons en nostre parleure en Engleterre deux lettres pluis qils nount en lour a b c, cest assauoir p et 3, qi sont appellez thorn et 30gh" (MS British Museum Harley 4383 f. 31), which means in Middle English: "And wee in Englond haue in oure language and speche ii lettres mo pan pei haue in hire a.b.c, and pat is p and 3 whiche ben clept porn and 30gh" (MS Cotton Titus c.xvi (1410-1420)) (see Paues, p. 444). One of these two letters, 3, is called 'yo3, 30u3' or 'pou3' in the 15th century English Mandeville manuscripts (see Paues, p. 446).

Since y and p appear so alike in script, they have been endlessly confused by scribes, as in c1305 Als i me rod (LinI) 163/12(S): yider (= pider), Oxf. Douce 109 f. 37: 3. and y. whiche ben clepid zou and pouz; Camb. Univ. Ff. 5.35 f.24b: y and z pe whiche beth I-callid powhes (see Paues, p. 445), and also with occasional transference to p of the dot which palaeographically may stand only over y, as in c1250 Prov. Alf. (Trin-C) f. 85: p.i. yorn (with the y overdotted for p (!) by the Norman scribe).

c1250 pene latemeste dai 86-87: lepen (OE lēag)... brepe, cf. c1325 Most i ryden 18: breze (OE WS bræw; OA brēg; MED breu n.), c1250 Wene pin eyen 21/1: epen 'eyes'; c1400 John Ball's Letter to the Peasants of Essex, 1381 (St. Albans MS British Museum Royal 13. E.ix) 161/11(S): pe (=ye); c1475(c1399) Mum & S.(1) 3.106: cloped (MED cloien v.); c1350 MPPsalter 45.4: deluup [vr. deluvie] (MED dilūvīe); c1450 Med.Bk.(1) 318/1048: dreggpe, cf. ?c1425 *Chauliac(2) 34a/b: dragye (OF dragie; MED dragge); c1305 Als i me rod 23: piif, (c1465) Stonor 1.71: pyf: (OE gif); a1450 Disp. Virg. & Cross(Roy) 241: keiped (MED keied (ppl.) 'fastened'); c1325 Mon in pe mone 69/11: hipte (OE hīgp; MED highthe).

Similarly, th for $y \sim 3$: c1400 St.Anne(1) 1226: contreths, c1440 PLAlex 9/23: contreth, a1450 7 Sages(3) 3318: countreth, c1450 Alph. Tales 69/12, 163/21: contreth, (a1456) Shireley Death Jas. 11: cuntreth, cf. c1300 SLeg. Nich. (Hrl) 439: contrai, (1398) *Trev. Barth. 135b/a: contrey (OF contrée; MED contrē(e, with scribal substitution of th for y read as p).

2. h.

On the orthographical origin of p for h, see #III above; the p for h usually appears before t from OE -ht.

2.1. /x/.

c1325 Mon in pe mone(Hrl) 69/7: wypt (OE wiht); c1300 Lay. Brut(Otho) 12: hep ...hepte [Clg: heihte], c1325 Mon in pe mone(Hrl) 70/35: hep (OE hē(a)h); c1250 Owl & N. 1391, 1395, 1552: nopt, 1470, 1620, 1740: napt (OE nāht); c1300 Lay. Brut (Otho) 21/25(DW) miptie, cf. ibid. 21/30(DW): mistie (OE mihtig); De clerico et puella (British Museum Harley 2253) 122/17(DW): ript (OE rihte); a1300 I syke 60: bibopt [vrr. bi-boyt, boht] (OE beboht); c1250 Owl & N. 1295: hopful [Jes-O: houhful], cf. ibid. 537: hogfule (OE hohful); c1300 Lay. Brut(Otho) 1270: bi-hepte; c1300 Lay. Brut(Otho) 3477, 3205: inop [Clg: inoh], a1450 Bevis(Cai) 28/600: i-noupe [Auch: inoug] (OE genōh); a1225(?a1200) Lay. Brut 9106: broðten [c1300: brohte]; ibid. 6940: iseoðten [c1300: sohte] (OE gesōhte).

2.2. p represents only the letter h, not its sound.

a1300(?a1250) Serm. atte wrastinge 107: detpis, cf. 1372 At pe time 25: detg (OE dēap). In the sequence -ht, final t is often omitted: c1300(c1250) Floris(Cmb) 407: forb [Auch: forht]; ibid. 737: worp [Auch: worht]. For a similar loss of the t after z, see c1400 (?c1390) Gawain 1858: myz (=myzt), c1400(?c1380) Pearl 286: broz (=brozt).

3. w.

Anglo-Norman scribes often confused the two letters p and r, as did the English scribes, on account of their graphic similarity, by writing p for the Anglo-Saxon r (=w); therefore, the Norman scribes of the following manuscripts have written down the following four peculiarly English letters as a memorandum for guidance in their transcription: (a) At the bottom of the first page on folio 85 of c1250 *Prov. Alf.* (Trin-C): iye w and iyorn; 44 (b) on the blank page folio 114b following the beginning of the 3 r 7 p

Poema Morale(McLean 123): •porn• wen yog and. 45

**Poema Morale(McLean 123): •porn• wen yog and. 45

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(c1300) Havelok(Ld) 464: ps (=ws for us); ibid. 2578: forpi(=forhwi, forwi); c1250 Owl & N. 946: flopep [Jes-O: flowep], cf. c1450(?a1400) Wars Alex. 2053: floges [Dub: flowes]; c1250 Owl & N. 1613: aschepele; ?a1300 St. J. List Trees 155: hapes (OE haga); c1450 Bevis(Cai) 28/600: i-noupe [Auch: inoug], cf. (c1410) York MGame 38: inowe (OE genōg, genōh); a1225(?OE) Lamb. Hom. 157: ituped, cf. c1250 Owl & N. 1725: itozen [vr. itowen] (<OE getēon); ibid. 1320: ipune, 475: iwone (OE gewuna). 4. s.

p for s is due first to the fact that for the unfamiliar fricative h (commonly written s) before t, Anglo-Norman scribes often employed its French equivalent s, and next, to

The *i* of *iye* and *iyorn* apparently stands for *id est*; see Paues. p. 442; in the same manuscript, the Norman scribe has also written y twice where he should have written p(=w) (see Greg 1910, p. 284).

⁴⁵ On the other hand, Sisam, following Dr. Bradley, suggests that the initial p is mistaken for v (=u). However, I would rather explain the substitution by associating p with g for g, and subsequent employment of g for g, and then of g for g in spelling.

graphic confusion of 3 (for y) and p on account of their graphic similarity (see #VI.1 above), and finally to subsequent employment of p for $s.^{46}$ Cf. c1300 Lay. Brut (Otho) 21/30(DW): mistie, 21/25: miptie (OE mihtig).

c1150(?OE) PDidax. 13/13: pona [MED read: sona]; c1450 Med. Bk. (1) 28/42: escarp, cf. ?a1425 *Chauliac(1) 64a/a: escare3 [*Chauliac(2): escares]; c1380 Firumb.(1) (Ashm) 423: doppoper [original draft: do3epers], 259: doppoperen, 650: doppoper, cf. ibid. 2036: do3epers, a1225(?a1200) Lay. Brut 1622: duczepers [Otho: dosseperes], a1450 (a1338) Mannyng Chron. Pt.1 1601: dosze-peres, a1500 Alex.-Cassamus 518: doszeperys (OF dozeper(s, duz(z)e- from *dodze, with the affricate dz becoming z in the course of the 13th century (Pope, #194)); also th for s: a1425(c1395) WBible(2) 2 Kings 19.3: eschewide [vr. ethchewide] (OF eschivir; MED escheuen).

5. f.

The substitution of p for f is due to the fact that ME /x/, written z, was often labialized to f finally or before t, as in a1400 Cursor(Vsp) 579: pof [Trin-C: pouze] 'though',⁴⁷ and then subsequent confusion of z (for y) and p. Wyld(p.209) says that substitution of f for $th[\theta]$ and v for [δ] in all positions occur: "This substitution seems to be rather a personal idiosyncracy than a dialect feature, though it does appear to be frequent in a very low type of Cockney English."

c1325 Middelord for mon(Hrl) 30/29: fyth of oper ne darp he floe (?OE derfen 'to afflict'); c1400(?c1380) Pearl 138: oper 'over'; a1425(c1385) Chaucer TC 4.1567: hastif [vr. hastyp] (OF; MED hastif); a1375 WPal. 362: dwerp, cf. a1325 Gloss. Bibbesw. 823: dweruf [vrr. dwarw, duarf] (OE WS dweorg; MED dwergh). 48

- 6. *d* and *t*.
- a. For d. Before nasal or liquid, there was a tendency of p becoming a d (see Brunner,
 p. 38).

(c1300) Havelok(Ld) 739: erpe; c1325(c1300) Glo. Chron. A. 7491: debrused [vr. pebrusede] (OF debrisier; MED debrisen); a1500(?1400) Chestre Launfal 101: pepartyp (F departir); c1330 Orfeo 33/370: perk (OE deorc); c1250 On leome 55: peit (OE deap); 1451-1500 (c1400) Tundale 1057: donge [vr. ponge], 1056: dange [vr. pange], a1500 (c1400) Emare 659: ponge (past of OE *dingan); a1500(c1400) Emare 422: powystur (OE dohtor); a1400 Cursor(Göt) 11829: propsi [Frf: dropecy] (MED dropsi(e); ?c1200

⁴⁶ The 3 in French represents the letter z or s.

⁴⁷ More examples: (1399) RParl. 3.452a: all yof, a1400 Cursor(Göt) 4240: al pou [Vsp: pof], c1400(?c1390) Gawain 624: pof, c1440 Bonav. Medit.(3) 200: all-poff, c1450(?a1400) Destr. Troy 6745: all-pof; (1449) Paston 2.105: brofte (OE brohte); a1400 Amis (Suth) 2468: cau3t [vr. caufte] 'caught'; (1340) Ayenb. 217/4: ydift (OE dihtan); a1450 Terms Assoc.(1) 604: draufthe (MED draught); a1325 Gloss. Bibbesw. 823: dwerf [vrr. dwarw, duarf] (MED dwergh). Jordan (#197 Anm. 1) notes that the first examples of labialization /x/ to /f/ occur in c1300 Thomas Becket (Harley 2277): thurf 'through', Trev. dwerf.

⁴⁸ Conversely, f for p: c1175(?OE) Bod. Hom. 134/27: He nauef (=nauep).

Orm. 2245: Jupewess (L. Jūdaeus).49

b. For *t*.

a1500(?c1425) Spec. Sacer. 60/35: deynpedes (AF deintép); (a1387) Trev. Higd. 7.473: drouzte [vr. druype]. Similarly, th for t: (c1300) Havelok(Ld) 48: with, 213: woth, 252: leth, 808: neth.⁵⁰

APPENDIX: z

This letter takes the Roman form, both as a capital and as a small letter, during the 11th and 12th centuries, with two horizontal lines joined by a diagonal, but from the latter part of the 13th century on, the small letter, however, comes to assume the form indistinguishable from the letter 3 'yogh' (Johnson and Jenkinson, p.55); hence, they have come to be confused. Moreover, some editors have replaced 3's by z's where "that is the letter intended" (Davis, p.v in Tolkien and Gordon 1967).

The letter z, then, is used for p, /ts/, s, and h.

1. p (cf. #I.7 above).

(1296) in Löfvenberg ME Local Surnames 101: Rob. atte Huz, cf. ibid. 113: Steph. atte Huth (MED hīth(e); c1300 SLeg.(Ld) 424/129: His fischares wenden a-fischez 'went fishing' (with original z. (for th) normalized to z by the editor(!), cf. a1325(c1280) SLeg. Pass.(Pep) 2179: Hi... wende a-fisschep (MED a-fisheth 'adv.'); c1390 SLeg. Cross (Ld) 168: dez (OE dēap); ?a1400 Adv. 18.5.16 Gloss. 159: hez (OE hæp); a1400(a1325) Cursor 7806: haizen [Frf: heypen] (OE hæpen).

2. /ts/ (cf. #I.3.1c above).

In Old French, z was written for ts at the end of words, whence some plurals like restemenz. Following this, tz was used in English, as in merchantz (Mossé, p.53). In French loan-words, the flexible 3 can signify the sound z [ts] in final position (Morsbach, #10).

(c1300) Havelok(Ld) 2559: Marz (OF marz); (1314) Chart.R.PRO 3.275: cerchez (pl.) ~ (1461) RParl. 5.476a: chirchetts (pl.) (MED cherset); a1225(c1200) Vices & V. (1) 79/7: innocentes, (c1390) Chaucer CT.ML B. 815: innocentz, a1500(c1340) Rolle Psalter(UC 64): innocenz (pl.), c1390(a1325) Ipotis 71: innocens (<OF innocent; MED innocent).

3. s [s] (cf. #I.3.1 above).

For voiceless s, the French z is commonly used (Morsbach, $\sharp 10$). In the Northwest Midland dialect, the Northern dialect, and Scots, the letter z was equally used at the end

⁴⁹ Conversely, d for p[o]: a1400 Cursor (Got) 4539: cloding [Trin-C: cloping], a1400(a1325) Cursor 10600: de-gre [Got: pe-gre].

⁵⁰ Conversely, t for th. French scribes employed t for p or ð since they had no interdental fricatives (see Jordan, #203 Anm.): (c1300) Havelok(Ld) 1: herknet; ibid. 18, 52, 113: wit; c1250 Owl & N.(Clg) 67: bigredet, 67, 131: wit, 230: hatiet.

of words with the value s or z (Mossé, #8. IV).

a1500 Hrl. 1002 Gloss 627: neruus: zenew, cf. a1450(1408) *Vegetius (1) 100a: strynges i-made of zenewes and here / Plente of senewes and horshere for strenges; (1391) Acc. Expect.Der. in Camd. n.s. 52 219/17: zitronde (OF; MED citronāde); c1325(c1300) Glo.Chron.A 10201: Iustizes, c1425 Al es bot 85: iusticz (OF; MED justĭce); a1400 (c1300) NHom.(1) Abp. & N. 86: faz (OF; MED fāce); a1475 Russell Bk. Nurt. 618: douz, (1440) PParv. 129: dowce (OF douz, douce; MED dŏuce).

The loss of /x/ before a consonant is indicated by the Anglo-Norman scribes with either the letter s or z: (1465) Will Norwich in Norfolk Archaeology 4.332: nyt (OE niht) [rime: myzt (OE miht)].

- 4. h (cf. #I.2.1 above).
- (1340) Ayenb. 56/29: ze, cf. c1400(c1378) PPl.B(Ld) 6.138: 3e shall ete ... He shall ete (OE hē).
- 5. z represents only the letter h, not its sound, in the sequence tz (for th) (see #I. 2.3 above).

c1400(c1378) PPl.B(Ld) 17.237: assetz [C. 20.203: a-seth] (OF asse(t)z; MED assēth).

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