THE KHWAREZMIAN GLOSSARY—II¹

By D. N. MACKENZIE

As a preliminary, merely, to the long task of compiling a dictionary of 'Islamic' Khwarezmian, it is my purpose here to scotch as many as possible of the ghost-words and misunderstandings which mar the otherwise useful publication Das chwaresmische Sprachmaterial einer Handschrift der 'Muqaddimat al-adab' von Zamaxšarī, by J. Benzing. A beginning has been made, dealing with more than 150 such errors in the first 70 pp. of the chapter 'Verbs' (Benzing, 60-129 = his 'Zm', better Muq., 73-199). I continue here in the same vein, i.e. by dealing only with debatable entries in the ensuing pages (130-218 = Muq., 199-344).

199.7 'y w'sm: 'ugliness' is no less clearly w'sym here than at 122.3; fully pointed 372.2, 391.6, 494.5, none in pause position. See H, *Dict.*, supplement, s.v.

199.8 **f:xwfcy**: 'with milk', read $xw\beta cy$, v. my 95.4. Here it is a mistranslation of the NP gloss ba šīra 'with grape-juice' or 'rob', Ar. rubb. Similarly $xw\beta cy$ at 213.7 f., 224.6, $xw\beta c(y)k$ 'sweet' 238.4-6.

200.8 'm'xyd'hyn'br: it is by no means clear that, in 'Gott liess — ihnen — die Erde erbeben', the words 'to them' are omitted only from W's NP gloss; Ar. $bi-him = bar \, \bar{e} \bar{s} \bar{a} n \, (Pishro) = -n'br$.

201.1 byncd'h \sim bynčd'h: 'poured it'. This odd pointing is noted, but not 117.4, where actually nYNcd'n! Elsewhere only bync- 356.4, 378.8 (except bnyj- 302.6!), as one would expect from the inchoative byxs- 161.1, 201.2, 361.4, etc. (cf. pcmc- 'wear' 461.8: pcmxs- 234.1): perhaps primarily 'to loose: be loosed', < *apa-yunja-:-yuxsa-.

201.4 mSNd'n: the glossator evidently understood biburīd xurmā-rā 'cut the dates', not xurmā-bun-rā 'the date-palm' as in some MSS. Read mspd'n, as at (my) 99.7; v. my 301.4.

201.7 **b'sb'ryd'h**: bāz-gardānīd ō-rā. Not to be confused with b'sb'ryd-404.3, correctly b'sp'ryd-472.7 'entrusted'; this is b's'ryd'h, as at 301.6, 407.2, bs'ry-'to reject' < *apa-srāraya-'ab-lehnen' (-sr- not > -š- because of -y-).

 $^{^1}$ The first part appears in BSOAS, XXXIII, 3, 1970, 540–59. References to the Muq. (Muqaddimatu 'l-adab) facsimile from 73 to 199.2, preceded by 'my', will be found there. Other abbreviations also used below are:

H (Henning), Dict. = A fragment of a Khwarezmian dictionary (Asia Major Library), London, 1971

Hb. = Handbuch der Orientalistik, Abt. 1, 1v. Bd., Iranistik, 1, Linguistik, 'Mitteliranisch'

^{&#}x27;Lg.' = 'The Khwarezmian language', in Zeki Velidi Togan'a armağan, İstanbul, 1955, 421-36

Pishro = Muḥammad Kāzim Imām, Pīšrav-i adab, Tehran, 1963-5

W = J. G. Wetzstein, Samachscharii lexicon arabicum persicum, Leipzig, 1850

XJ = A. A. Frejman, Xorezmijskij jazyk, Moscow-Leningrad, 1951.

- 202.1 'y fš: 'the dam', read β š as at 174.2; <*bastra- (H, Hb., p. 114, n. 1).
- 202.3 fy.m'r fy.jyy'n: ba šumār-i rēg. At 464.5 y' $\mathring{j}\gamma$ is fem.; this genitive must therefore be plural, in -n'n. Even pointed \mathring{j} is the most suspect letter in Xw., but there is no other evidence on which to judge this $C\gamma$ ' sand '.
- 203.2 β'ncyd'n f:pwdk: 'tied them (coins) in the surra'; pwdk zrny also at 35.5. for surra, but it is doubtful whether 'Beutel' was intended. At 28.8 pwdyk (in pause) is 'rag', rigōy, and some NP glosses give surra a similar meaning: zar-i basta dar rigōy, and here bibast diramhā-rā dar rigōy (Pishro).
- 203.5 mpxyt'h 'y pcx's- δ 'r: not 'cut the purse off' but 'cut the clothing', a correct translation of tarra t-tarrāru θ - θ awba (which latter word B. ignores).
- 204.1 mfyd'h: 'sheared it' and 'shaved it' is $m\beta nd'h$, as at (101.5), 400.7, 500.2; ' βn < * $brin\bar{a}$ (H, Dict.) or rather *brina-, as Man. MP, NP burr-.
- 204.3 **p**'rmž**d**'h: 'touched it' is NP parmāsīd \bar{o} -rā, not 'bar-māsīd'; Xw. prmž- = Skt. pari-mṛj-, but NP parmās- is from (non-Pers.) *pati-mṛs- via *pah-rmās-, cf. Pahl. ptlm'h- = pahrmāh-, with *mr θ -.
- 205.1 'y xš'dc: 'drops', only here, so $C\ddot{s}'dc$, pl. of the p. p. in -'dk of a verb * $C\ddot{s}$ 'drip, exude'; perhaps a denom. from *ati-asru-, cf. ' $\ddot{s}wk$ 496.2 'a tear' < asruka-.
- 206.5 f. $\mathbf{m} \mathbf{H}'\mathbf{T}$: al-haṭ̄ta 'abatement of price', read mh'b, as at 397.4 for ar-ruxṣa, 431.1 $muh\bar{a}b\bar{a}$.
- 206.8 **mpxyt'h** $c:B\Theta Ny:$ az pahnā biburīd-aš. Read $p\theta ny$ as (pointed pnny) at 328.1 'breadth', to $p\theta nk$ 'broad' as $\beta z ny$ 202.4 'length' to $\beta z k$ 505.3 'long'.
- 208.4 **PCiRD** δ'**ryd**: 'had doubt', read *yxfrd* as at 440.7, 446.5, 449.4; v. my 134.2.
- 208.7 'y ny'k: 'the pledge', read nb'k as at 364.1, 443.3; ny'k 317.4 is an error. Cf. Sgd. np'k(h), NP $nav\bar{a}$ (Henning, BSOAS, xxvIII, 2, 1965, p. 248, n. 37).
- 209.4 **c.'ywc**: 'from the sheath' is actually pointed -' $\gamma \delta c$. See $f' \gamma \delta k$ 348.5; H, Dict., s.v. ' $\gamma \delta k$.
 - 210.2 'nbycdy θ : 'intended it', v. my 81.6.
- 210.3 y'. $\gamma\delta$ fy Dm' γ n γ sc'nw: 'the wound (that) reaches the brain'. There can be no doubt about Ar. $dm'\gamma$. $n\gamma sc'nw$ is a 'permansive' pres. 3 sg. of $n\gamma s$ 'arrive' (v. H, Dict., s.vv. ' $\beta c'nw$, 'kc'nw). T² has the gloss $\delta ikastag\bar{\imath}$ ki $b\bar{a}$ dim $\bar{a}\gamma$ rasad (II, 129).
 - 210.3 f., 211.1 w'z'ryd'h, 'y wz'rnyc: v. my 91.8.
 - $210.4 \, \mathbf{p'rcyd'h} : v. \, \text{my } 107.5.$
- 210.7 'y kwBYk: 'nosegay', probably read kwn^yk , from 'kw-' pick, pluck' (H, Dict., and my 153.1).
 - **bšt hy w'sd**: is as wrong as čift nihād at 313.5. Xw. bšt is 'open' and NP čift 'a latch'; read pšt 'joined, close' = juft, cf. 428.3, 457.5, 484.2, etc.

 $^{^2}$ T = Aqṣá al-arab, tarfama Muqaddimat al-adab [Turkish translation of Muq., on the basis of NP glosses], Aḥmad b. Khair al-Dīn Isḥāq Efendi, Istanbul, 1313/1895–6.

- 210.8 γ 'mc n' mkd: such a reading is rather perverse for 'amma; v. my 192.7.
 - 211.4 **bycd'hyn'br**: 'poured it on him', read $by\langle n\rangle cd$ -; v. my 201.1.
- 212.5 $\gamma yrd f: \gamma wndyk:$ a literal, wrong translation of $b\bar{a}'a$ bi l- $i\theta mi$ 'returned to 'for 'acknowledged (his) sin '.
- mncd'n fy ha'h: 'acknowledged his right' ('gestand', not 'bestand auf seinem Recht') is odd in view of mnc'nd pr xsyn 366.3 'admitted the thing', mnc'nd fy $\gamma wndyk$ 439.7 'the sin'; presumably the same verb, but it is not clear which form is abnormal.
- 213.3 twbk hy f'xd: 'granted him repentance', read β 'xd as correctly at 356.4; similarly 318.6, 363.3, 395.3, 442.8. β axx-'grant, divide' < baxša-, already Henning, ZDMG, xc, 1936, *32.
- 214.1 'y byxsnyk: $b\bar{a}r\bar{a}n$ -i $fur\bar{o}$ -rēzanda (T, II, 134), but 110.1 'y byxsynk w'r. The latter, not in pause, must be correct. This is then an exception to the rule of spelling -ynk participles -yn^yk in pause, e.g. γmyn^yk 392.7 'singing', δmyn^yk 117.8 (but ' δmyn^yk 279.6) 'quarrelling', γmyn^yk 270.1 'failing', $h\beta ryn^yk$ 171.5 '-giver', $n\gamma myn^yk$ 262.7 'hearing', trmnynk (sic, for *trmnynk) 377.8 'capable', $y'smyn^yk$ 517.1 'goer'. ' $\delta mynk$ 321.7 'delaying', npsynk 407.4 'writer' must also be counted 'wrong' in pause. With a single exception (* $\delta mynk$) all certain participles in -nk, especially from verbs in -y-, have - n^yk in pause (examples are too numerous to list). The odds therefore seem to be on a pause form 'stem-BBk' being - n^yk , rather than a 'wrong' -ynk, but only the occurrence of a non-pause form can clinch the matter.
 - 215.4 mnfryd, 315.4 m β zptd: read $m\beta$ z p^y d, v. my 120.8.
 - 215.6 **p'Žmvd**: read p'rmyd, v. my 136.3.
- 215.8 jw'n-m'n'wk, 231.1 'jw'n-: juvānmardī 'generosity', probably to be read (')cw'n-m'n'wk, lit. 'ample-mindedness' (v. H, Dict., supplement, s.v. jw'n).
- 216.1, 261.3 **y.'rk'h**: 'his work'. 'rk is fem. (as the -'h is enough to show, but ef. f' 'rk 461.1), so the point is misplaced.
- 216.3 **b'w'ryd'n'd**: this would be 'chose them', cf. b'w'rydyd 495.3; read b'w'zyd- = $b\bar{a}z$ $d\bar{a}st$, as at 311.4, 424.1.
- 216.7 'ŠN'S hy mkyd: 'visited the sick', 'sp's seems more likely, in the MP sense of 'service'; writing 'bē:mār' 'snakeless', for NP bēmār 'sick', is bad medicine.
 - 217.2 jhwd: 'Jew', read jhw δ , as at 477.3 and correctly 11.6.
- 218.8 pcd 'y psncyk: $bi\tilde{p}\tilde{o}\tilde{s}\tilde{\imath}d$ $d\tilde{e}g$. pc- is 'to cook' trans., 166.7, etc.; read pxd, as at 120.2, 139.7, 151.5, *paxx- < paxša-, cf. Sgd. pwyš' 'boiler' (GMS, § 551).
- 219.2 f. 'y xl'f 'y hqyqt'n: for $maj\bar{a}z$ 'metaphor', lit. 'the opposite of the literal meaning', certainly not for $j\bar{a}y$ -i $gu\delta a stan$.
- 219.5 **žwzd'h y'** \$\mathcal{g}\mathbf{w}\mathbf{m}: 'kissed the earth', read zwzd-, as 'y zwz' the kiss' at 403.5.

- 219.5 f. **d'rw'r'r f' mδ'n pθkn**: 'they went about inside the houses (in search of plunder)', not 'drangen ein'; better 'zogen herum', as at 389.7, 411.7, 413.4.
- 219.7 **xw'hd'h 'y xryk**: $bik\bar{o}ft$ xarman-rā, must surely be *xrmnk, however badly written. xr^yk 180.7, 226.3, 311.6, etc., is only 'pasture'.
- 219.8 [..?] **B'NB'wd'h** $f:N\check{J}W'\gamma$ [.?]: 'rubbed, polished it with a burnisher'; probably b's'wd-, cf. 'rs'w- 'to rub' 208.3, NP $s\bar{u}dan$; can *' $n\check{j}w$ ' γ be connected with ' $n\check{j}w\gamma$ 'wrinkle' (as at 276.7, v. my 75.8), as some kind of corrugated scraper?
 - 220.2, 3 **mnkd-**: 'sewed', v. my 88.3.
- 220.4 **xryd'w**: 'went into (the water)', read *xrbd*-, as in the caus. *x'rbyd*-355.5. So too *y' xrb'k-mync 'wc* 'the fording place'.
- 220.8 **B'S'Ryd'h**: 'stirred it'. Not ps'ry- (v. my 298.6) or bs'ry- 'reject' (my 201.7); probably another *bs'ry- (*apa-s $\bar{a}raya$ -, with sar- 'to mix, unite'.
- 221.1 **w'zydyd**: is more than bizad asb- $r\bar{a}$ ba $t\bar{a}ziy\bar{a}na$; it is 'drove it', as w'zyd'n'd 222.6 = $bir\bar{a}nd$ šutar $\bar{a}n$ - $r\bar{a}$; v. my 158.7.
- 221.2 **R'hyRyd cY...**: 'hung something on it', read w'hyzyd cybr, as at 461.6; whyzy- < *ava-haizaya- 'cause to descend', as Khot. vahīś- (SGS, 122).
- 221.6 'šxt xndd y' rwbs: $r\bar{o}b\bar{a}h$ $b\bar{a}z\bar{i}$ kard. 'šxt is 'near' 323.4, etc.; read 'sxt, as sxt $hy\theta$ xndyd 429.7 = $rub\bar{a}h\bar{i}$ kard $b\bar{a}$ \bar{o} , with (')sxt < *uz-xašta- or the like; cf. Khot. khauys-, khauṣṭa 'move' (< *xauz, SGS, 27), or $usk\bar{u}$ ṣ- 'act frivolously' (< *kauš, SGS, 17)?
 - 221.7, 322.2 'kw'rnk: 'wholesome', from 'gw'r-, v. my 73.3.
- 223.1 $\mathbf{zk[n ?]k}$: 'hiccups', can have nothing to do with NP $\mathbf{za\gamma ang}$. \mathbf{zknk} at 20.8 is only $\mathbf{R}k^{y}k$, and this $\mathbf{R}kk$.
- 223.6 'y BBwD: huwa l-ma'ālu, not 'Ausgang, Resultat', but 'retreat, refuge'; read * $p\theta w\delta$, v. my 131.6.
- 223.8 γyrd pcYBR 'y $sr\delta$: $s\bar{a}l$ bar vay $bigu\delta ast$. Read $\gamma yrdycybr$ and cf. 224.2 γyrd 'hycBR 'y $dwlt = gu\delta ast$ bar vay daulat (Pishro, for $d\bar{a}lat$ 'alayhi, not lahu), i.e. both /* $\gamma \bar{e}$ rida-(h)i-ci-bir/. γyr + -br is to 'surround', 121.6, 358.2, etc., and + -c 'be repeated', 473.7; the combination is evidently to 'pass by'.
- 224.1 f. **pr'dk w'zyd y' 'š, 'š pr'dyk**: the she-camel did not remain 'divorced' (and masc. at that!), but 'barren', i.e. 'childless' b-z'dyk.
- 224.3 f. 'y dwlt fy x'zyn, f' fdw: Ar. dawla and dūla are thus distinguished as 'fortune in battle' (x'zyn 278.4, 485.1, etc. = jang) and 'in property', for the last word can only be bdw (= $m\bar{a}l$ 316.6, $x^v\bar{a}sta$ 365.6, etc.), however badly written.
- 225.4 m's'r'h y.'rd'wn: 'the ghouls took him', read 'r δ 'wn, v. M. Schwartz, JRAS, 1966, 120, and W. B. Henning memorial volume, 385 f., 388 f.
- 225.6 $h\beta r(y)n$: 'gift', read $h\beta d^y n$, v. my 79.1; other occurrences at 80.4, 110.8, 231.6, 317.2, 360.6, etc.
- 226.2 'Sc $ny\theta$ 'r, 'y 'Sc cwb: 'sc 'still (water, wind) 'is known from 168.1; pl. of *'stk < *stitaka-?

226.4 'y pr xrk 'ynync: 'those going to pasture' must be 'ynyc, pl. in pause of 'ynk, pres. part. of 'y-, as in mrc 'ynk 136.5 (so, not 'yyk) = ravanda, 'ynk hy mkyd $346.7 = rav\bar{a}$.

mnf'rydyc'wrzyw: 'made him taste oppression' is lit. 'made swallow', $mn\gamma'ryd$ -, with $n\gamma'ry$ - the caus. of $n\gamma r$ -, v. my 113.1.

226.5 **B'mBB**k βryd : 'he fasted 'is *y'my $\theta k \beta ryd$, v. my 185.6.

226.7 wRd fy:cwb, 302.3 wrd: 'swam in the water', pointed wzd at 74.6.

226.7 ' $r\delta$ wk'wk mkd: $ist\bar{a}dag\bar{i}$ kard is probably ' $r\delta\beta k'wk$, abstract from ' $r\delta\beta k$ ' standing, erect' < Av. $ar\delta\beta a$ - (H, 'Lg.', 432), rather than from an *' $r\delta wk$ ' steadfast' (with M. Schwartz, JAOS, lxxxix, 2, 1969, 446).

227.2 k**SB**: v. my 169.2.

BBBkd: istād 'stood, stopped', read tynkd, as at 428.7.

228.5 mSknyd: 'stumbled', read msknbd, as correctly at 85.2, 237.1; fully pointed 46.2 k-n-sknbyc' which does not stumble'.

228.6, 7 BStRB: 'backwards', apparently -RF; *pš-trf (for Ar. trf)?

229.1 mnkwist (so pointed 515.6): 'became senile', apparently -nkRfst.

230.1 mrhydyc: 'escaped', read mrhd-, as at 453.2, 462.8, 467.1, 481.1; the stem rh- is borrowed from Pers., at a late date to judge from the caus. rh'ny- 345.5, etc.

230.2, 241.4 'Sn'd mkyd: cacavit, is simply a euphemism 'made ablutions', as at 7.1, 408.4 (where f' sn'd, fem., so not y.'Sn'd 230.2).

233.3 š'wžd 'y byr 'š f' β rycyn: bar-jast gušn-i šutur bar māda. Instead of Turk. $bw\gamma r$ ', which would scarcely need 'š, the gušn (also 45.7) is probably (') $y\gamma r$ ' stallion ', as at 36.8. His juft (also 45.7) is probably /* β rījēn/ 'desirous ', from /* β rīg/ 'desire ' (H, Dict., ' β ryk); v. my 131.4.

233.5 m's'myd'h: 'drank it', read b's'md'h, as at 449.5. The verbal noun is even pointed b- (certainly not '-), 233.6 'y $bs'm^yk$; bs'm- $<*apa-čy\bar{a}ma$ -cf. Khot. $ts\bar{a}m$ - (SGS, 41), Pth. 'bs'm-, Sgd. s'm-, ''s'm-, NP $\bar{a}s\bar{a}m$ -.

234.1 **p'cmycd'h**: 'dressed him'; miswritten and mistranslated. 'To clothe' another person requires -br, as at 211.5, 353.1; this is 'donned, wore it', p'cmcd-, as at 258.8, 422.3, 461.8, etc.

235.6 m $\eta \gamma w s dy \theta$: 'listened to him', mistaken translation of $a s \gamma \acute{a} i lay h i$, as at 383.2, not $s a \gamma \acute{a}$.

236.2 **swyd'h**: 'tyrannized him', pointed $\dot{s}wyd'h$ at 506.7, where it stands for $ista\dot{j}f\bar{a}hu$ ' considered him tyrannical', probably in error.

237.2, 248.6, 305.7 p'cxr'zd: read p'cxw'zd, v. my 136.8.

237.7 f. **NYc** ' β **DBBC** kcy'k: 'does not withhold strength', provides the only example of this stem, which could be ' β wyn- < Av. $ai\beta i.wa\bar{e}na$ -, with the same semantic development, 'gewahren' to 'wahren', 'observe' to 'conserve', as NP $nig\bar{a}h$ $d\bar{a}$ štan (similarly H, Dict., s.v. ' β wync' grudges').

238.1 'y pc 'Ykh: pasrav-aš, pc-'yk at 262.5, v. my 90.3.

238.3 'y 'wznyc: for 'wanderers', pres. part. pl. of 'wzy-'go out'; read'wzyn^yc, as correctly at 516.6 (-ynk).

- **B'δ'wd'h**: 'polished it', v. my 192.8.
- 238.3 f., 344.5, 346.4 **bf**w δ 'k: 'evident' is $b\gamma w\delta$ 'k, v. my 144.5.
- 238.7 'y xž-'šnyk: read -'snyk or -'synk, as at 362.1, as this translates the NP gloss $x^{\nu}a\dot{s}-\ddot{a}y$ and a (Pishro; T, II, 159); 's-'come', like Sgd. 'ys-, $< *\bar{a}$ -isa-.
- 239.2 fy'nN: $d\bar{o}st\bar{\imath}$, inexplicable reading in view of the correct fy'ny at 122.3, 344.1, etc. (H, Hb., 117).
- 239.8 $\mathbf{\check{s}xt}$: $nazd\bar{\imath}k$, the initial '- of ' $\check{s}xt$ has been obliterated (H, Hb., p. 109, n. 2).
- 240.2 y' ČXYR: as-sāniya. Although no NP gloss supports it this is plainly 'water-wheel', not the camel working it, as B. presumably recognizes, cf. čxyr = čarx at 14.5; pointed č- at 400.6, 413.6, etc.
- 240.3 **m**' γ '**zyd**: šahā, not 'xwuš šud' but $\bar{a}rz\bar{u}$ kard (Pishro), as at 482.2; cf. Sgd. " $\gamma y\delta$ -, $< *\bar{a}$ - $g\bar{a}daya$ -.
- 241.1 mnprs'r: 'they were satisfied', an erratically pointed verb; v. H, Dict., s.vv. 'bnrd, 'nbrs-, nbrs-.
- 241.3 f. β 'zyk: NP $l\bar{a}y$ 'silt, slime', read θ 'zyk; both words probably of the same origin, * $\theta\bar{a}dya$ or * $d\bar{a}dya$ -?
- 241.8 $\mathbf{y}' \gamma \mathbf{r} [\mathbf{mn}?] \mathbf{d}$: ad-dif'u. B.'s emendation is impossible as $\gamma rmnd$ is pl., with 'y, 215.4, 304.7. Another gloss (*Pishro*; T, II, 162) is $p\bar{o}\check{s}i\check{s}(-i\ garm-kunanda)$; read simply $y'\gamma w\delta$, as at 211.7 (H, Dict., s.v. ' $\gamma w\delta$).
 - 242.8 b'kn'mhy: misprint for bkn'm-'I fill'.
 - 243.7 B'mn: 'mangy', p'mn, v. my 151.4.
- 244.2 **BZ** B'mnyd 'y hzwr: $pind\bar{a}št$ $n\bar{e}k\bar{\imath}-r\bar{a}$ $bad\bar{\imath}$ (so); read fn n' mnyd 'considered them evil'; cf. fn-' $\beta w'k$ 258.5 'evil-natured', fn-f'l 479.1; Ar. $xyr = n\bar{e}k\bar{\imath}$ is also pl., at 476.4, 505.5.
- 244.8, 265.3 **mfšncdybyr**: 'mounted', mfšyjd at 508.8; v. H, Dict., s.v. 'fšyc-.
- 245.4 **nmscyk šr'b xw'ryk**: mardē payvasta šarāb-xvaranda or may-xvāra, not 'xwurda'; šr'b-xw'ryk is a compound, like $mrc\ sknd$ -xw'ryk $401.5 = mard\bar{e}$ payvasta ṭalāq-dihanda 'constantly swearing oaths of divorce'.
- 245.8 **xNDk**: may- $g\bar{u}n$; 246.1 **'y pexyd bxtyc**: may-i surx. pexyd and the trace of a point under the word both indicate xydk, which is patently $< *x \check{s} aita$ -ka-, confirming Benveniste's precise definition 'd'un éclat rouge'. 3 pexyd is peculiar and remains obscure, for pati- is out of place here. 'Wine' is pxt^yk 401.5, 422.5, pl. pxt^ye 408.5.
- 246.1 ryc'wc mkd: $sabuks\bar{a}r \ \check{s}ud$, for rnc'wc, pl. of rnc'wk at 344.2, 500.5; v. my 121.8.
- 246.8 **B'šxšt-, Bšxšnc**: 'stuck, sticking', **p'šxšt** two pages before, 242.6, and so pointed 440.6, also misread **m'šxšt-** 267.8. pšxš- is 'šxš- (v. H, Hb., p. 109, n. 2) with api-, but there are other real oddities of pointing: the abstract from the pres. part. *pšxšnk is twice pšxsnk'wk 399.6, 410.1 = muvāfaqat 'concord' < 'coherence', and the corresponding trans. verb is b'šxdybyr

³ Titres et noms propres en iranien ancien, Paris, 1966, 21, where there is a slight error: NP šēda is not 'renard' but 'Fuchs' in the sense 'sorrel horse'.

359.6 'stuck it on it ', instead of *p'šcd-, cf. 'šcy-. pšxsnk'wk may be the original unassimilated form preserved in a sense remote from that of the verb, but the -x- in the trans. verb is surely mispointing.

247.5 m $\gamma RBdybr$: 'rejoiced over (his enemy's misfortune)', but the caus. mfr'ryd'hyn'br 345.4 'made (the enemies) rejoice over him'. Read $m\gamma ryd$ - and $m\gamma w'ryd$ - (H, Dict., s.vv. ' $\gamma r(y)$ -, ' $\gamma w'ry$ -).

248.1 mfrsy'r 'y jrd; 'y 'fr'd-jrd: on *' β rs-, v. my 180.6; the p. p. *' β r'd confirms the relationship between *' β rs- 'be dishevelled' and ' β r- 'to fluff out'; j γ d is based on a 'certain' pointing at 392.3, but this is in fact certainly j'd, with subscript 'hook' to mark the 'ayn, cf. ' δ r 393.1 (the point above probably being for the d in Ar. j'd).

b're: 'fragmented', the head of a $misw\bar{a}k$; read p'rc, also at 473.3, assuming this is 'in pieces' = $p\bar{a}ra$ $p\bar{a}ra$, i.e. pl. of p'rk 47.5, as at 512.1.

248.6 'y s'syk: 'the panting (dog)', read $s'sn^yk$.

248.7 sbydk: 'white', and a dozen times on pp. 37, 38, is pointed $spyd^yk$ 59.6. It could be no other.

248.8 'pst'd- β rwc: $gu\check{s}\bar{a}da$ - $abr\bar{u}$; possible, in view of $p\check{s}x\check{s}$ - (my 246.8), with p- preserved before a voiceless sibilant; H, Dict., has 'bst'd-.

249.6 **b** δ ' β rc **p**'rwz'r: 'were separated', read $y\delta$ ' β rc, the same as ' $y\delta$ ' β rc p'rwz'r 364.8, i.e. 'having intervals (' $y\delta$)'. **b** δ ' β r- γ š appears as $y\delta$ ' β r- γ š 390.7.

wrfyk: ' \bar{a} siq, correctly wrf k at 265.7; cf. wrf k'wk 370.7.

249.8 psyd: puxta šud, read psd, as at 461.3; also 371.7 'ripened'.

250.6 $\gamma \delta \mathbf{k} \boldsymbol{y} \colon \ b \bar{a} \text{-} r \bar{e} \check{s}, \ \mathrm{read} \ \gamma \delta k n \ (\mathrm{H}, \ Dict., \ \mathrm{suppl.}, \ \mathrm{s.v.}).$

252.4, 262.4, (6) **mnfrd'h**: 'swallowed it', read $mn\gamma rd$ -, v. my 113.1, 226.4. 252.5 βryk **mkd** f:n'n: 'desired it', a mistranslation of zahida $f\bar{\imath}hi$, opposing it to zahida 'anhu, whereas they are synonymous (v. H, Dict., s.v. ' βruk).

254.1 f. kr: 'hernious', is surely gr, a NP form, generally superseded by the seemingly EIr. form γur ; but cf. Kurd. $q\bar{o}r$, Hawr. $q\bar{e}ra$.

254.6 CCBkR: 'happy' and xnjkr at 349.6 both to Ar. btr. Beside xndk 'laughter' 360.2, and xnd- 'to play, contend' 133.3, 221.6 (v. my note), 422.5, etc., this perhaps contains xnj- < *xandi-, + -kara. *xjnkr could be a mistake or a real metathesis /*xanj-gir > *xaj-ngir/.

255.1 **p'cmxšt**: '(his foot) went to sleep'. Despite the pointing **p'jmxš'r** at 258.6 (teeth 'became numb', not 'stumpf'), it is hard to separate the stem from 'zmxs-' to sleep' (my 167.8). It also shares the p. p. pcmydk, pl. pcmydc 258.6, with pcmxs-' be covered, clothed' 234.1, pcmyd^uk 234.2. Presumably 'be clothed' and 'be numbed' are both meanings of an inchoative of pati-mauk-, rather than the former being -muxs- and the latter -muxš-, which could not survive in Xw.4

⁴ There is also a Turcological problem here, in that the corresponding words are translated in T as (II, $178 \ xadr = dar \ x^v \bar{a}b \ \delta udan - i \ and \bar{a}mh\bar{a}) \ dza \ *\ddot{o}\ddot{g}\ddot{u}smek \ and (II, <math>183 \ dars = kund \ \delta udan - i \ dand\bar{a}n \ az \ turs \ x\bar{a}y\bar{\imath}dan) \ eksi \ nesne \ cignemek \ ile \ dis \ *\ddot{o}\ddot{g}\ddot{u}smek, \ both \ with \ 'wkwsmk \ for \ expected \ uyusmak.$

256.4 m' β yycst: diltang šud, patently m' β yxst, despite 'some distortion in the middle '(H, Dict., s.v. ' β yxs-). y' β y γ c y k is the p. p. *' β y γ d + *-cyk, perhaps pause-form for -ck.

257.6 BNm'R $\gamma'\beta y'r$: 'they took heed (of the enemy)' is very likely NP tym'r 'care'.

258.3 'y rymyc: al-adnās, corresponds to a NP gloss (Pishro) $r\bar{\imath}mh\bar{a}$, $\acute{c}irkh\bar{a}$ 'impurities', not 'sūx giriftagān' (which would be θrym^yc).

258.5 fn-' βR 'k: 'evil-natured' is fn-' βw 'k. ' βw 'k appears in the abl. fy 'ny $c'\beta w'cyh$ 470.2' in other than his (normal) nature'; $\langle *abi-w\bar{a}ka-(H, Dict.),$ cf. Oss. wag 'character, disposition'.

258.7 'wRC-'NB'R: $b\bar{e}r\bar{u}n$ -bar 'pigeon-chested', read 'wzc-'nb'z. 'nb'z 'breast' (38.6, 46.7 barely pointed) < *ham-pāza-, cf. Kurd. $\bar{a}mb\bar{a}z$, ham(b) $\bar{e}z$ 'embrace'; $p\bar{z}$ -'nb'z' 'crooked-breasted' at 287.7. 'wzc; cf. 'wzc-cm 310.4' with protruding eyes', preceded by w'zyt'c y' cm'h' his protruded', showing this to be < uz-i-, v. my 157.7. cm is fem., but 'nb'z masc., so 'wzc is not the fem. of a p. p. *'wz(y)dk. Both compounds must be inverted bahuvrīhis, 'having a protrusion of the eye(s), chest'.

260.1 'y z'd k:nf's ' β c'nw: for wa l-waladu manfūsun most NP glosses are inaccurate, W farzand-i zāda, T bačča-yi zāda. This seems to express better 'the child is new-born', though the joining of two words is wrong and the use of Ar. nf's vulgar. Read *'y z'dk[-]nf's ' β c'nw, since no *z'd is attested.

260.6 k' 'y x'š: 'the leper'. The k' is in fact a deleted y'.

'y tYx-cm: 'having purulent eyes' is surely θ -, but whether -n- or -x is pointed is unclear. 'Pus' is $x'\theta$, 365.6, 478.7.

261.4 **š'Bc**: 'lank' (hair, so pl. of *š'bk) is probably the same word as š'b 349.7 'down-stream', i.e. 'flowing down', $< fr\bar{a}pa$ -. In Yt. 8, 0, the 'mighty (lake) Satavaēsa' is $fr\bar{a}pa$ -, perhaps 'down-stream' in the sense that it is next to Pūitika, down to which all the world's waters flow (Vend., 5, 18 f.; MX, 44, 15; GB, x, 9).

262.4 **BCn**: bē-maza 'tasteless' is b-xn, cf. 'y xn 'y t''m'n 273.2 (so, not xž, which is 'pleasant') 'the taste of the food'.

262.6, 264.2 mnd-fc'wy(n): 'impatient', read - βc° , v. my 84.8.

263.1 y.'nbf'c δ yn: 'the sated woman'; another pointless point, $y' + 'nb^{\circ} > y'nb^{\circ}$.

263.8~pys: 'bald, scald-headed' is very different from NP pys 'leprosy', so read BBS, no more certain than BBS'x 'bald' $250.1,\,263.1,\,$ etc.

265.8 'SBB: 'freckles'. tb is 'spot' 38.5 (v. my 173.8), so perhaps *'stb < *us-tapa-.

266.3 β wm 'ž β ync: 'absorbent ground', probably 'ž β n^yc, pause fem. pres. part. of 'ž β - (v. my 214.1).

267.7 mw*Hdybr*: read *mwbhd*-, v. my 142.7.

 $\mathbf{mrc} \ \mathbf{xRBD}$: Ar. labiq, besides $\check{c}\bar{a}bu\bar{k}$, is glossed $z\bar{e}b\bar{a}$ -, $x\bar{u}b$ - $k\bar{a}r$ (Pishro); perhaps $x\check{z}$ -, then (')yd, though this would suggest rather $x^va\check{s}$ - $raft\tilde{a}r$.

267.8 m'šxš[ty]br: 'stuck to it', v. my 246.8.

268.4 'nkyθk: 'partner'; Henning, Zoroaster, 44, already 'angēθ', compared with Aram. hngyt, < *han-gaiθā-.

269.8 'wr'c: 'pregnant', also 37.6, 45.8, probably 'wz'c < awa- (rather than wi-) + *zāti- 'ante-natal'; cf. z'cyk 'birth' in z'cyk-mync 23.2, 128.6.

270.2 nzd'ky hyj b'rwzd: 'ignored him', read simply nzd'k, as at 487.3, (361.2, 491.5) and of course hyc p°.

270.6 'y tnjynk: šitābanda, plainly tncynd, as at 68.2, 454.3, 471.5.

271.1 'y b'ryx: 'pay', read $p'r^yx$, v. my 129.5.

271.2 'y δ'w'n: is indeed for Ar. qabīl 'surety', not qābīl, as B. suggests, but a reference to 109.1, 193.8, 195.8 would have been preferable to his simple question mark.

271.3 sbyn XFyd: 'became lousy'; H, Hb., 110 f., already spīna, < *spahina, pl. of sp'h 54.8, 314.6 (Av. spiš-). The verb is far from clear.

'y sbYNk: 'lousy', probably spynk < *spahēn-, cf. Pxt. spəğən.

From this page on the pointing, of c as f especially, becomes increasingly untrustworthy: 271.5 'fw'n-fm' wide-eyed', 272.1 'sf' hateful' (cf. 485.5), 275.4 w'f' matter' (v. H, 'Lg.', 427).

272.4 b'xswnyd'h: 'exerted himself over it' is y'xswbyd'h 423.2, 431.5, 472.5 (not b-!).

273.2 'y xž: v. my 262.4.

274.7 f. $\boldsymbol{\theta}$: \boldsymbol{b} : 'repentant', read $\theta pc'x'\theta$, the noun clearly pointed at 344.7 (except j for c). $pc'x'\theta < *paty-\bar{a}-x\check{s}\bar{a}da$ -? Cf. Pth. ' $x\check{s}d$ ($\bar{a}x\check{s}a\delta$) 'pity'.

276.6 'y bwdyk: 'rotten', read pwd^yk , $<*p\bar{u}taka$ -, p. p. of pwn-.

276.7 How NP $anj\bar{u}\gamma$ 'wrinkle' could become Xw. 'njr γ requires some explanation (misprint?); v. my 75.8.

278.1, 3 **xz-m'**: $x^va\check{s}$ -mani \check{s} , certainly $x\check{z}$ -m' (v. H, Dict., suppl., s.v.).

279.5 'kfd- β rwc: 'having arched brows', read ' $k\beta d$ -. 'kfc' arched' 279.4 is perhaps the correct fem. form (= 'brow') of the p. p. (against H, Dict., s.v. ' $k\beta dk$), with devoiced ending paralleled e.g. in zmxc 490.6: $zm\gamma d^{y}k$ 200.3, 288.8, etc. 'asleep', but although this is the only such /- β d/ participle from an -f- stem attested it could not be /*-fd/.

280.2 šmwSyd: misprint for š'mwSyd.

283.1 f. BKBD: 'tongue-tied', read kmnd, as at 333.6.

283.5 'BRdyd, v. my 157.1.

284.5 ny:d'f'r k-: read ny-d' β 'r, lit. 'not-thee they are', i.e. 'you do not have the ability', pl. because Xw. 'prefers plurals for impersonal subjects' (H, Dict., s.v. ' β -1 (J); v. also ' β -2 'suffice'); cf. 'the good' at my 244.2. Certainly 'y kcy'k ibid. 'ability' is m. sg., cf. $mv\check{z}yd$ 'h 495.2 'he expended it'.

284.6 'fšyd-n'xy: 'having one toe riding over another'. Read -n'xn, lit. 'having a mounted nail', n'xn 396.5, 'fšyd in y'fšydmync'wc 38.7 'place of riding', i.e. back of a horse, p. p. of *'fšyc- (my 244.8; H, Dict., s.vv.).

284.8 'y 'nčynk: tarsanda, read 'nčn^yk, as correctly at 254.6 (v. my 214.1). 285.3 f. **BR-b.ws**: 'distraught (with grief)', possibly bz-bws 'badly senseless', cf. bws 'senseless (with love)' 415.6, and *bz-k'r'vk 3.5 = bad-kar', from

*bzk 280.5 f. (v. my 116.2). Although nowhere pointed -z-, this can hardly be other than a loan-word from Pth. bzg 'sinful' (though Sgd. βj - = $\beta \partial \tilde{z}$ - > NP $fa\tilde{z}$ - is simply 'bad').

285.6 \mathbf{y} .' $\mathbf{\gamma}$ ' $\mathbf{d}\mathbf{k}$: \mathbf{m} : 'my desire', read' $\mathbf{\gamma}$ ' δk , as at 418.2, 482.2, and Sgd. '' $\mathbf{\gamma}\delta y$. 286.6 $\mathbf{m}\mathbf{\gamma}$ ' $\mathbf{r}\mathbf{y}\mathbf{c}$ ' $\mathbf{S}\mathbf{B}\mathbf{m}$ ' $\mathbf{d}\mathbf{y}\mathbf{k}$: 'incomparable pearl', perhaps *'stm' d^yk /əstammādik/ < *'stnb-m'dk' of fine matter', as NP $gir\bar{a}n$ - $m\bar{a}ya$. There is no such contraction, however, in 'stnb-m'n 465.3 'proud', at least in the spelling.

287.1 škrfyk: 'wood', i.e. $skr\beta^y k$, v. my 77.3.

287.7 **pž-'NB'R**, v. my 258.7.

287.8 mnpdd[...]: this fits '(the undermined river-bank) collapsed', *'npd- < ham-pat-, as Sgd. 'npt-, 'mpd- 'fall', with caus. 'np'cy-, mnp'cyd 113.8, 405.1 'destroy'; but if a word for 'the bank' were to follow we should expect 'y or y', instead of what appears to be -t, possibly in another hand. It is perhaps followed by an alternative translation, $kr\delta[d$ 'sank, subsided', as at 137.2.

289.6 f. **p'rxwtyd**: already, H, Hb., p. 113, n. 6, a convincing etymology of this, in its correct spelling with $-\theta$ -, as at 479.1, <*para/i-xrauda-. The p. p. 'disturbed, mad' is $prxw\theta'dk$ 405.8, and correctly 260.3.

290.5 prknb hyw c' β ryd: read hybr, as at 138.5 (v. my note).

290.5 f. **B'FBd'w y.'FB'k**: these are two glosses, for $n\bar{a}la$ *l-watida* and naylan. The latter is thus *y'fy'k, the infinitive of the verb in *y'fyd'w, which must be y'fy-. Oddly, since it is surely the caus. of yf- 'reach, overtake', there is no object expressed in y'fyd'w' reached thereto'; cf. yf- in 360.1 yfn'h' y $xr\delta nd \delta'r$ ' I overtook the fleeing (man)'.

291.3 fy wBkD'R: 'on account of such-and-such a matter' (Pishro, T, π, 222, ba fulān čīz), v. my 171.6.

292.5 f. **š'nsydyc**: for the form v. my 123.8, on šnš- 'go astray', šn'šy- 'lead astray'. With the latter cf. $\check{s}'n'\check{s}yd'h$ 354.3 'forgot it', which must be another meaning of the same verb. The present $*\check{s}'n\check{s}dyc$, therefore, must be 'he was forgotten by him' (cf. Skt. $prana\acute{s}ya$ - 'be lost'), a mistranslation of Ar. nasiya(-hu) continued in $\check{s}nt^yk$ 'forgotten', instead of 'forgetful'.

292.7 y' BY'r-kwrk: 'night-blind', with capital letters misused to indicate that the gloss is mispointed b'yn'r-. by'r, lit. 'evening', is certain 373.3, -kwrk 382.2; cf. Sgd. 'py'rh' 'last night', β y'ryy' 'evening' $< *api-/abi-(a)y\bar{a}ra$ -.

293.4 f. p'cr'hd: 'became rubbed', rather B'Cw'hd and $BCw'h'd-p'\delta$ (also 295.6) 'having sore feet'. Scarcely *bxw'h-, as Sgd. pxw'y- 'cut off', since this and xw'h- 'thresh' 180 (margin), 219.7, are transitive.

293.6 mnxsdyd: 'was hidden from him', read mnxsyd- as at 500.4 (v. my 144.5). Then why 'y pcsk'wyk for $nxs(t)k'w^yk$ 'secrecy'? The abstract is from the p. p., nxstk at 397.8, fem. (')nxsc 388.4, 393.6, 394.1 (v. my 299.6).

296.2 **zywydyk**: for $zywnd^yk$, v. my 127.3.

297.5 m'nyyd fy n'f: 'stayed in the town', misprint (?) for m'nyd, cf. 295.3 and my 192.2.

297.8 f. 'st'rk βzptyk: v. my 158.6.

298.1 nsčy'k: $n\bar{a}$ -kas, 'mean, vile' appears as nsfy'k 334.3, but the abstract $(n\bar{a}$ -kas $\bar{\imath}$) as nscy'k'wk 420.8. The last seems the best reading, if we take the word from *n-scy'dk 'un-considered', i.e. the p. p. of *'scy-, mscyd 499.5, 500.7, 504.2; this perhaps < *sačaya-, Av. ¹sak-, with $-c^y- > -s-$ prevented by the initial s-.

298.6 p's'ryd'h: the p- is pointed; 'settled (the boiling pot)' by adding cold water, i.e. cooling it; ps'ry-, like Sgd. psyr-, <*apa-saraya-, cf. s'ry-'to cool' 392.2, 464.2, the p- being preserved in distinction from bs'ry-'stir' (v- my 220.8).

299.2 **y.'\gamma d'h**: 'his appointed time', fem., cf. y'' γd 126.8 (though it is obvious from the -'h), so read $y'\gamma d$ -.

y.'psn: 'the debt', read y' psy, as at 342.8 (so); psy 491.3.

299.3 f.' $x ilde{s} y$: 'with the whip', a mistranslation of bi l-minsa'ati. ' $x ilde{s} 44.1$, pl. $x ilde{s} n 484.2$, is fem., cf. f' ' $x ilde{s} (y) 376.3$, 380.5, $< a ilde{s} t r ilde{a}$ -, with secondary x-, so here (and 221.1) f' $x ilde{s} y$. Emmerick's juxtaposition of ' $x ilde{s}$ with Sgd. $x ilde{w} ilde{s} y p$, NP $s ilde{e} b$ (JRAS, 1970, 1, p. 68), of quite different origin, is at best misleading.

299.5 **byr** β **yk**: 'cloud', read p-, v. my 187.1. (The b would have been better employed at 299.4 'bi: $p\bar{a}l\bar{u}$ d', for $bib\bar{a}l\bar{u}$ d' grew'.)

299.6 **bčfšk'wk**: $payvastag\bar{\imath}$, extraordinary pointing of $pc\beta s(t)k'wk$, as at 421.3, 432.4, from * $pc\beta stk$, fem. $pc\beta sc$ 359.1, p. p. of $pc\beta ncy$ - = NP payvand-. With the apparent loss of -t-, cf. nxs(t)k'wk, my 293.6.

299.8 š'jyd'h: 'repaired it', with -c-, as correctly in 171.8, 300.1, and its doublet mšcyd'h 102.4; v. H, Hb., p. 109, n. 2.

300.1 mnj'myd'h: 'frightened him', with - \check{c} -, as at 307.5 ($my\check{c}$ -), 355.7, and correctly 221.3, 225.7, etc.

301.1 cy xwmr'h: 'from his sleep', not 'Schlafplatz', a mistranslation of min marqadihi, cf. 406.2.

301.3 fz-br γ 'zk hy r'xyzyd: '(the game) rose to him from the left', and its opposite 303.2 hzwr br γ 'zk, are literally 'an ill-' and 'a well-on-runner rose to him', the compounds being fn-br- γ 'zk and hzwr-br- γ 'zk; fn-, v. my 244.2, γ 'z-, my 107.1; it is not clear whether br is < upari as an adverb (as Man.MP'br, NP bar) or, uniquely, as a preverb * $br\gamma$ 'z-.

301.4 msbd'h: 'threw him (on his face)', read mspd-, as at 402.7, and correctly 200.2, 208.8, 313.6, etc.; v. my 99.7. The inchoative 'sfs- in 119.4, 345.3 msfsd, 456.5 msfst (but 453.3 mšfšd!) 'prostrated self', seems to rule out a simple derivation from Av. $sp\bar{a}$ -, spaya- (\sim * $sp\bar{a}sa$ -).

301.5 m0fnjd'n: 'acquired them', with -nc- (for /-nj-/), as at 434.4, 440.1; v. H, Hb., 117, ' θ fn/yc- $< *\theta$ wanja- (cf. Sgd. $\delta\beta$ j- $< *\theta$ waja-, Sogdica, 32).

Here again the examples of f for c (and e) come thick and fast: 301.6 f f'wf hunting, f f'wnyf hunted e(e). H, Dict, s.vv. f'e'wc, f'e'wnyk, 302.3 f'rfyk mount e(e). (cf. 469.1, 471.1), 302.5 xw's'df loosed e1. (cf. 45.1), 302.6 bynfd'n poured out (water) e(e). (v. my 201.1), 303.7 k'fydyd threw it away e(e). (sic, not thin hin e); e0. my 183.4).

- 301.7, 304.1 rdbyd'h-: 'snatched, ran away with him' (even NP bi-rub $\bar{u}d$), read rwbyd-, as at 203.8, 387.5, etc.
- 302.1 y' mwrnyk: 'slaughtered'; since the victim is usually masc., here and 82.6' y qrb'nyk, bsmyr'k-mynk' z, this is probably y-' $mwrn^yk$; p. p. in -n-(z). my 153.1) of an unattested *'z0.
- 302.2 **Wyrd**: 'leaked', is patently $mz\gamma rd$; ' $z\gamma r$ 'leak, ooze' < *uz-gar-, cf. $\check{s}\gamma r$ 'become wet' (my 91.7), $\check{s}\gamma' ry$ = NP $far\gamma \bar{a}r\bar{\imath}dan$ (shown to me by M. Schwartz).
- 304.1 klymk hy h' βrd : 'prompted him'. H, *Dict.*, evidently from a better copy of the manuscript, reads $m'\beta r'zyd$, ' $\beta r'zy^{-2}$.
- 304.2 'čw'n'wk: 'spaciousness', a mispointing needlessly repeated in the next glosses; cf. 'cw'n 249.5, 271.5, etc., 'cw'n'wk 463.6.
- 304.4 f. $\beta zwmZd$: the nearest NP equivalent is $az \, n\bar{e}k\bar{\imath} \, d\bar{u}r$ 'far from (God's) goodness', cf. 69.2 $\beta zwmZcnk = d\bar{u}r\bar{\imath}$. First we therefore have $\beta \check{z}$ -, cf. $\beta \check{z}k$ 505.3 = $dir\bar{a}z$, ' $\beta \check{z}c$ 348.1 = $d\bar{u}r$, < barz-; then probably *- $wm\check{z}d$ < *wi- $mr\check{z}d\check{a}$ -' unforgiveness' or the like, cf. Pth. 'mwjd' pity'. $\beta \check{z}wm\check{z}d$ is still a strange adjectival cpd., *' having a distant disfavour' for 'banished'; the abstract is probably $\beta \check{z}wm\check{z}cyk$.
 - 304.7 **bčf**: 'sour', 332.4 f. 'bjf-bjy'k: 'sour-faced', v. my 90.8.
- 305.3 **t'wbyd'h**, 5 **'y twbyk**: 'admonished him; advice'. There's many a slip 'twixt naṣāḥa and tawba; read b'wynd'h, from bwyn-, as at 130.4, 484.1, and verbal noun bwynk, 315.5, 446.1; v. H, Hb., p. 99, n. 1.
- 306.7 **b** δ **m** 'smooth', 336.3 **b** δ **m** 'soft', the same 393.1, 409.1, is $p\delta m$ at 502.2. This is confirmed by Sariqoli $p\delta \delta m$, Yid γ a $pol_{\partial}m$ (IIFL, II, 237a); its antonym also occurs, ' $wb\delta m$ 409.3 'firm, solid' < *wi-padma-.
- 306.8 mSkn'h y' kynk'h: 'I avenged him', lit. 'took his revenge'. *'sk-seems to be the stem, < *us-kar-? Cf. 'k-, without preverb.
- 307.7 Rey 6wyd: 'burnt brightly', with little room for doubt in rcy; cf. Skt. rucya-'bright'?
 - **f.**' $B\beta BYk(?)$: read $f'b\beta n^y k$ (H, Dict., s.v. $b\beta nk$), as at 94.5, 130.6.
- 308.6 f. γ wfyn'hybr: 'I boasted about it to him', read $\gamma w\beta y$ as at 484.7; evidently a caus. *gaubaya- of Sgd. $\gamma w\beta$ 'praise', which in Xw. is γwy -, 305.1, etc.; $\langle *gubya$ -?
- 308.8 **b'xsyd**: 'it opened', read b' $\dot{s}syd$, as at 453.3, 4, the inchoative-passive of $b\dot{s}y$ -, 303.3, etc., 'to open (trans.)', with -s- and -y-.
- 309.1 p'cyt'n'd: 'cut them', read p'xyt-, as at 468.6; similarly at 314.7. Much commoner is the doublet mpxyt-, 202.4, 402.2, etc.

Another group of f pointings for c: 309.1, 315.2 fwb- 'water', 310.1 f., 317.7 $mfxyzdy\theta$, mfxyzyd 'rose, went' (H, Dict., s.v. 'cxyz-), 310.4 w'zyt'fy' fm'h (v. my 258.7), 311.1 nk'fy'wk 'humility' (cf. 163.7), 311.2 p'fmfd- 'clothed' (v. my 234.1), 311.3 fmfdyf 'undressed him', 311.4 fmytyfy (for fmfd) (for fmfd) (for fmfd), cf. 354.4), 311.6 fmfd) (for fmfd) (for fmfd), cf. 82.8), fmfd) 'fmfd) 'his nose' (cf. 310.7), fmfd) 'fmfd) from the earth',

- 315.2 fy bỷy'ỷ (for pcy'c 'on the face'), 316.6 k
(w)zydyỷ 'sought from him', and so on.
- 309.4 **br' b'f** γ : 'on the left (hand)', i.e. pr' $b'\beta\gamma$; $b'f\gamma\gamma$ also 489.6, but $b'\beta\gamma\gamma cyk$ 429.1, and $b'\beta\gamma\gamma$ correctly supplied 65.3. br for pr also 309.5, 311.6.
 - 310.4 'y 'WRc-cm: 'having protruding eyes', read 'wzc-, v. my 258.7.
 - 312.1 'bryyd'h: 'patched it' is 'pryyd'h at 399.1, so 'patch' also 'pryyk.
- 312.6 c' $\check{J}YN$: 'by the forelock', with more than a little improbability; read $\check{c}by$, after f' $\check{c}b$ 510.6, g' $\check{c}b'h$ 38.6. This \check{c} ba/ is very reminiscent of Ar. $\check{f}abha$ 'forehead' (was B. thinking of $\check{f}ab\bar{i}n$?).
- 313.2 $\beta y.pd'k-s'r$: 'towards the street', is f-pnd'k s'r mispointed; correctly at 355.5.
 - 313.5 bšt hy w'syd: v. my 210.7.
- 313.6 f'č hy $\beta rd'$ h 'y p' δ ysh: three errors, read f'c hy βrdd 'y b' δ ysh (though the second -d is perhaps a repeat, in error, of the first ornate one). f'c for f' 'wc 366.4, 377.1, in a cpd. verb with βr NP ba- $j\bar{a}y$ $\bar{a}vurdan$, is probably /facca/ including the article, like y' δ y δ 'r: y' ' δ , v. my 73.6. b' δ ys, v. my 170.8.
- 313.7 mykmynd'h: 'slapped him', mykmynk' slap' at 6.6 also. In both cases -ny- is much more likely than -yn-.
- 314.1 y' brwr'k y.'sp'n: 'the rearing of horse(s)'; prwr'k is inf. of prwr-, as at 391.2; 'sp'n, gen. sg. masc., nevertheless takes the fem. article after a fem. noun (H, 'Lg.', 426 f.), so y'sp'n without points.
- 314.5 f:RWRBk c'yt: 'withdrew into its sheath', read $f\check{z}\delta'nk$, cf. ' $\check{z}\delta'nk$ in the same context 39.1, 46.7. 'y zwž: 'hedgehog' is only pointed z- at 53.7; why should the final -z be other? Cf. zwz' kiss', my 219.5.
- 314.6 **Z'Ryd'h y' sb'h**: 'killed the louse', read w'znd'h, v. my 193.4, and sp'h, my 271.3.
- 315.3 f. **b**'γ**yt**'h '**y** δ**rmjyk**: 'the scorpion bit him'! A literal translation of NP bigazīd, corrected at 315.7 to xδd'h 'y δrmcyk' stung him'; on δrmcyk, v. H, 'Lg.', 436.
 - 315.8 'z
8'k b'rwzd: 'became clever', read 'zd'
k $p^{\circ},$ as at 243.5, 274.3, etc.
- 316.1 sb'6: 'army', thrice on the strength of one point, can only be $sp'\theta$; even NP keeps the -p-. On ' $xw\beta(y)$ ($xw\beta ynk$ proved by $mxw\beta yd$ 315.8), v. BSOAS, XXXIII, 1, 1970, 124. In view of *gubya-> γwy (my 308.6), the caus. * $x\check{s}aubaya$ is perhaps a more likely etymon than * $x\check{s}ubya$ -. 317.3 mxwndy0: 'put him in straits' is the same verb, $mxw\beta(y)d$, cf. $mxw\beta y'ry\theta$ 442.6.
- 316.3 'y brkj: barakat, read brkc, as at 425.5 f., pl. of *brkk, attested in θ brkk 'blessed' (v. H, 'Lg.', 429; text XJ, 71).
 - 317.4 **ny'k**: v. my 208.7.
- 318.1 γ rj d' mkd f' hsj: 'made errors in reading', read γdc , pl. of γdk at 342.1 f., 388.4, etc., and hsc, as at 493.7. mrj ck'm γ ryk: 'man of many (reading) errors' is thus mrc $ck'm-\gamma d^yk$. γd^yk is connected with γw 'fail', i.e. 'be necessary' and 'make an error' 261.8, 270.1, so < *guta-; hsc, and

hs 80.5, both fem., correspond to the stem hy δ - 'read', 423.1, etc., suggesting a basic *ha δ ya- > *hai δ a- as stem, but > *ha θ ya- in the noun.

318.2 **yfjn d' mkd f' fyj**: 'modulated in the song', read γfcn , pl. of γfc < *grfti-, as NP girift 'playing vibrato', and fnc, as at 15.1, cf. fn- 'to sing', 168.3, 418.2, 482.2.

319.4 y' šks'k-mynj 'wc: corresponds to the NP gloss in T, II, 266, $j\bar{a}y$ -inigaristan, for 'aspect'. Read škš'k-mync, from the inf. of škš- 'look at', 425.3, 497.7, assimilated < *šks- < fra-kasa- (H, Hb., p. 119, n. 3).

319.8 **xd'c W'[ZYL]**: '(the sheep) went to graze themselves', as if 'wzywere the passive of w'zyyd 'he led (them)' in the previous line; but w'zy- is $< w\bar{a}daya$ - and $w\bar{a}zaya$ - (v. my 158.7) and 'wzy- < uz-i-. The contrast w'zyd: w'zyl at 384.3 f. gives a different sense. This is probably $xd'c\ m(y)'r$, as at 180.7, 226.3, 450.2.

320.1 'y yy0b'n: 'the shepherd', for $r\bar{a}$ 'i instead of ra'y; v. my 103.8.

'y xw β s'y: $sa'\overline{i}$ -yi $n\overline{e}k$, for all that it is pointed xwt, is xwb s'y, cf. 331.6, 336.2, etc.

320.2 γ 'm'zyd'h: 'denounced him', read γ 'm'zyd-, as correctly 152.3 (margin), 154.7; γ m'zy- is a denom. stem < Ar.-Pers. γ ammāz 'calumniator'.

321.3 'y b'rj: 'trustworthy', is b'rc' secure' 334.8, 336.8, 405.4.

321.4 b'cyd: 'it swelled' is p'cyd, as at 410.3, 476.3, and correctly at 150.7 (wrongly 507.1).

323.6 'y nmrk sbyn: 'soft iron', read spny, as at 242.2.

327.5 f. 'biye': 'cheap'. Among so many mispointings of p and c this is worth noting because it only occurs once more, as $pcy\theta$, at 437.8. Confirmation comes from Sgd. $pt'y\delta$, $pty\theta y$ 'contemptible' and Pth. ptyyd (loan < Sgd.); v. W. Sundermann, MIO, xiv, 3, 1968, 399 f., n. 67.

327.8 pnyk: 'wide', 328.1 pnny: 'width', for $p\theta nk$, $p\theta ny$ resp., v. my 206.8.

328.3 $\S'\check{z}'wydbyr:$ 'behaved roughly to him', read -ybyr, as at 398.7, 400.4.

329.3 bjx's n'ryk [oder: b'ryk?]: 'thin clothing'. All the NP glosses of saxufa, sax $\bar{i}f$ contain tanuk (not tang), translated by n'r-, $n'r^yk$, as Pashto naray, Oss. naräg; cf. 408.2. *b'ryk does not occur in Xw., NP $b\bar{a}r\bar{i}k$ 'thin' being translated 'zmrk 122.6, 393.7, 408.2, 436.4, 501.2; cf. Oss. mälläg?

330.4 k'nbwyd: added sec. manu in error, as it means 'decreased' 182.1, 438.1, not 'was unskilled'. Conceivably Ar. xaruqa was misread as huziqa 'was compressed, contracted'.

330.6 'y 'žnd β j'n [durchgestrichen,] f:n'n: corresponds to $saz\bar{a}v\bar{a}r$ -ast $bad\bar{a}n$; the $\beta c'n$ 'is' (v. my 128.1) is not deleted.

330.8, 334.5 ' δ fzk: sitabr, 'thick', read (') $\delta\beta zk$ as at 173.1, cf. Oss. $b\ddot{a}z\dot{\gamma}m$, Sgd. $\delta\beta'nz$, etc. (Benveniste, Études . . . ossète, 20 f.).

331.6 'snyb [r.: 'stnb]-qdr: why correct this and leave 'sntb-qdr, etc., 333.4 f. ?

332.1 **b:z'f'r:** 'weak, thin' is far from certainly 'without $z'\beta'r'$, since no such word is attested. Read $bz'\beta'r$ undivided, as at 296.5, etc.

335.7 **6wj**: as at 405.7, the glossator has thought of the meaning 'place' in connexion with Ar. makuna, makkana, i.e. θ -wc is for $b\bar{a}$ - $j\bar{a}y$ 'having a place', not $b\bar{a}$ - $j\bar{a}h$ 'honoured' (which is θ -md 325.7, 337.1, etc.).

335.8 jrdK: can hardly correspond to all the NP glosses of hajuna, viz. $b\bar{e}$ -aṣl, čust-u čābuk (W only), and at 405.8 zišt (T), čarda (W). This last B. uncritically translates as 'brown'! Reference to 37.1 hajīn = NP jurda would have been enough to confirm the true meaning of jrdk as 'half-breed, by an Arab stallion out of a country mare'. There are innumerable other examples of Xw. -k replacing NP -a(h) in assimilated loan-words.

336.5 (margin) $wr\delta - \gamma w[nk]$: 'rosy', i.e. 'bay' horse, is simply $wr\delta \gamma w$, as $m\delta \gamma w$ (in $m\delta \gamma w$ -cm 270.5) 'wine-coloured'; v. H, Hb., 116. True, such compounds generally take -k, but γwnk 'hair' would work against it here. In the Qunya there is also $xrbwz-\gamma wn$, a kind of melon (glossed $xarbuz-\check{s}ikl$ 'melon-shaped').

338.1 'y kšpk hy: 'his side', read pšpk. The imagined k- is formed by the kasra of Ar. j̃uniba above. pšpk, 126.5, 236.2, 396.1, 492.4, is not rare; < Av. parswi 'ribs', cf. Oss. färsk, Yidya pərsəyë, Kurd. parāsū, etc.

339.4 'y-\beta y'n-\delta'r: 'to them', as if a pers. pron. 3 pl. *\beta y'n could be separated from the article 'y. This is the only occurrence of *'y\beta y' they', but comparison of $m\beta y$ 62.4 'we' with k's $m\beta y'n$ \delta'r (Qunya; Frejman, XJ, 115) 'if to us' leaves no place for an article. Conversely, $p \times y m\beta y'$ n 64.8 'by us', $h\beta y$ 62.3 'you', pry $h\beta y$ (XJ, 71) 'upon you', show that an article is in place after prepositions, so the point in 339.5 br.y\beta y is doubly unwanted; $/ma\beta y(\bar{a}n)$: *\beta\beta(\beta) (\sigma) / suggests that *pr-y 'y\beta y became /*par(y)\beta\beta[\beta].

341.2 mzymd: here, as rarely, Wetzstein was led astray by his NP glosses. Ar. 'uyila ṣabruhu is not birasīd but ba-sar rasīd ṣabr-aš (Pishro), na-mānd $šik\bar{e}b$ - $i\bar{o}$ (T) 'his patience was exhausted'. The Xw. gloss is accurate, cf. *'zym-'be finished, exhausted' 253.8, 257.8, 295.4, and Sgd. 'zy'ms-. Where Sgd. has a new inchoative from (')zy'm-'to consume', Xw. has inherited an older *uz-yama-.

341.4 'y 'ws hyc mw'ryd: 'he became senseless'. The reading hyc is most unlikely; the glossator seems to have been taken by Ar. $(\gamma u\check{s}iya)$ 'alayhi and translated 'the sense(s) became mixed upon him', hyb(r) $mw'r^yd$.' 'ws-'w'r'd^yk is then 'sense-muddled'; cf. 249.7 f. $\bar{a}m\bar{e}xta$.

341.7 bž:k'm: 'wry-mouthed', read $p\check{z}$ -, as correctly at 273.2.

342.1 ywzk'wk: 'sufficiency' (NP basanda, not p-), v. my 150.3.

343.8 c'yt: 'went in', wrongly but not less plainly pointed č-than 344.3 j-344.2 f. rnj'wk: 'confusion'. As there is danger of another kind of confusion with rnj' trouble', e.g. 345.5, this mispointing of c is worth noting; v. my 246.1 and 121.8.

344.8 měkyšyd'h: 'called him a liar', read měkyšd-, as at 389.6. The verb must be a denominative $<\check{c}ky$ š 'lie', 449.3, 462.5, etc. This word again takes us back to the Avesta. To account for the č- one could posit an *ati-kaiša->* $a\check{c}k\bar{e}\check{s}$ (not > c- before k-?—see H, Dict., s.v. 'jk'cy-), approximately

 $\pi a \rho \acute{a}$ -δοξος. But the 'Irrlehre' par excellence of early Iranian was Gathic $tka \~es \~a$ -, whose t- baffled even Bartholomae (GIP, I, 1, 178, § 302, 5). There is still 'no plausible explanation' of it, but it is surely better to see its descendant in Xw. (')čkyš than to assume another form with a prefix, for elsewhere kyš alone still carries the sense of 'false doctrine', in Man. MP (Mir. Man., II). In any case, Khwarezmian clearly preserves the Avestan concept in its most archaic form.

INDEX

Words are quoted in lexical and not necessarily actual form. References are to the page and line under which they are discussed; they do not necessarily occur there in Muq.

1'sc 272.1 $b\beta n^{y}k$ 307.7 *bs'w-219.82'sc 226.2 $\dot{\beta}n - 204.1$ bsp'ry- 201.7 *'scy- 298.1 'βr'd-j'd 248.1 bšsy- 308.8 *'βr'zy- 304.1 'βrñg, 'βryk 252.5 'βw'k 258.5 *'βwyn- 237.7 'sfs- 301.4 bšt 210.7 *'sk- 306.8 bšy- 308.8 'sknb- 228.5 bw'ry- 216.3 bw'zy- 216.3 'sn'd 230.2 ' $\beta y \gamma c y k 256.4$ 'sp- 201.4, 301.4 *'sp's 216.7 bws 285.3 'βyxs- 256.4 'cw'n('wk) 304.2 bwun- 305.3 *'stb 265.8 bwynk 305.3 'cw'n-cm 271.5 *' $stm'd^yk$ 286.6 bxn 262.4 $(')cw'n-m'n'wk\ 215.8$ 'stnb-m'n 286.6 by'r(-kwrk) 292.7 $`stnb-qdr\ 331.6"$ čkyš- 344.8 bync- 201.1, 211.4 'sxt 221.6 'čmynk 214.1 byxs- 201.1 $(')\delta \beta zk$ 330.8 (')šcy-299.8 byxsynk 214.1 'šxt 221.6, 239.8 'f $\acute{s}\gamma d$ -mync, -n'xn 284.6 $bz'\beta'r$ 332.1 'f šyc- 244.8, 284.6 ' θfnc - 301.5 $bz'd^{y}k$ 224.1 'gw'rnk 221.7 'w'r- 341.4 *bz-bws 285.3 γ δk 285.6 $wb\delta m 306.7$ $bz-k'r^{y}k$ 285.3 $\dot{y}zy - 240.3$ ' $ws(-'w'r'd^yk)$ 341.4 $\beta c'n 330.6$ $\gamma d^{2}99.2$ wz'c 269.8 βrncyn 233.3 $\gamma \delta k \ 209.4$ βέ 202.1 'wzc-'nb'z, -cm 258.7 βx - 213.3 $\gamma r(y)$ - 247.5 wzy-258.7βžk, βžny 206.8, 304.4 *βžwmžcyk 304.4 'wzyn yk 238.3 $\gamma w ry - 247.5$ 'γwδ 241.8 'xš, xšn 299.3 $k\beta d$ - βrwc 279.5 (') $xw\beta y$ - 316.1 *βžwmžď 304.4 'kfc 279.5 $y\delta 249.6$ Cš'dc 205.1 'kw- 210.7 čb 312.6 $y\delta'\beta rc$ 249.6 $y_{\gamma r}$ 233.3 m'xy - 200.8čkyš 344.8 *'mwrnyk 302.1 ynk 226.4 $\check{c}x^{y}r$ 240.2 *drw'r- 219.5 'nb'z 258.7 'zd'k 315.8 'nbf'c 263.1 $z_{\nu r}$ 302.2 $\delta'w'n$ 271.2 'nbnc(y)- 210.2 'zmrk 329.3 $\delta rmc^{y}k$ 315.3 f'c βr- 313.6 'nbrs- 241.1 *'zym- 341.2 'nč'my- 300.1 'nčn^yk 284.8 'žβ- 266.3 fn 244.2 fn- 318.2 $\dot{z}\beta n^{y}c$ 266.3 'žδ'nk 314.5 ' $ngy\theta k$ 268.4 fn-' βw 'k 244.2, 258.5 *'nfw' \gamma 219.8 *'nkRfs- 229.1 "mc 210.8 fn- \dot{br} - γ 'zk 301.3 b'βγ, -y, -ycyk 309.4 b'rc 321.3 fnc 318.2 *'np'cy- 287.8 *'npd- 287.8 fn-f'l 244.2 BBS, BBS'x 263.8 fy'ny 239.2 (')nxsc 293.6 BCw'h- 293.4 gr 254.1 BCw'h'd-p'δ 293.4 $pr\gamma y$ - 312.1 $\gamma d^{y}k$ 318.1 'prγyk 312.1 'pst'd-βrwc 248.8 $bdw \ 224.\overline{3}$ $\gamma \delta kn \ 250.6$ $b\gamma y$ - 315.3 bkn- 242.8 yfc 318.2 'pxy- 309.1 γm 'zy- 320.2 $r\delta'w$ 225.4 $\gamma m y n^y k$ 214.1 brkc 316.3 *'rδβk('wk) 226.7 bs'm-233.5 $\gamma w \beta y$ - 308.6 'rk 216.1 $bs'm^{y}k$ 233.5 γwnd^yk 212.5 bs'ry- 201.7 'rs'w- 219.8 γwnk 336.5 's- 238.7 *bs'ry- 220.8 ywy - 308.6

γwyn^yk 214.1
γyr - 212.5, 223.8
$h\beta dn~225.6$
$h\beta ryn^y k$ 214.1
hs(c) 318.1
hyð- 318.1
$hzwr$ - br - γ ' zk 301.3 $f\gamma$ 202.3
jhwδ 217.2
$irdk \ 335.8$
kcy'k 284.5 kmnd 283.1
kmnd~283.1
$kr\delta$ - 287.8
*kwnyk 210.7
$m\delta\gamma w(-cm)$ 336.5 $*m\gamma kmny$ - 313.7
* $m\gamma kmny$ - 313.7
mnd - $\beta c'wy(n)$ 262.6
$n'r^yk' 329.3$
n'xn 284.6
nb'k 208.7
$n\gamma'ry$ - 226.4
$n\gamma r$ - 252.4 $n\gamma s$ - 210.3
$n\gamma ws$ - 210.3 $n\gamma ws$ - 235.6
$n\gamma ws 255.0$ $n\gamma wsyn^y k 214.1$
npsynk~214.1
nscy'k('wk) 298.1
nxstk 293.6
nxs(t)k'wk 293.6
nxsy- $293.6nzd$ 'k 270.2
p'rk 248.1
$p'r^yx$ 271.1
pc- 218.8
pc 'x' θ 274.7
$pc\beta ncy$ - 299.6
$pc\beta s(t)k'wk$ 299.6 $pcmc$ - 201.1, 234.1
$pcmc$ - 201.1, 234.1 $pcm\gamma dk$ 255.1
pcmxs- 201.1
pcx's 203.5
pcxyd 245.8
pcy- 321.4
$pcu\theta$ 327.5
$p\delta m \ 306.7$
pnd'k 313.2 prmž- 204.3
prwr- 314.1
prwr'k 314.1
$prxw\theta$ - 289.6
$prxw\theta$ 'dk 289.6

_
ps-248.8
ps'ry- 298.6 psy 299.2
neu 200 2
pog 200.2
*pšc- 246.8
$p\tilde{s}pk$ 338.1
$p\check{st}$ 210.7
pšxsnk'wk 246.8
pšxš-246.8
$p\theta nk$ 206.8
$p\theta ny \ 206.8$
* $p\theta w\delta$ 223.6
$^1pwd^yk$ 203.2
$^{2}pwd^{y}k$ 276.6
pwn-276.6
px- 218.8
pxt^yk 245.8
pxy- 309.1
pž-'nb'z 258.7
ně k'm 241 7
pž-k'm 341.7
rcy 307.7
rh- 230.1
rh'ny- 230.1
Rkk 223.1
11KK 223.1
rnc'wk 246.1
rwbs~221.6
rwby- 301.7
$rym^{y}c$ 258.3
s'ry- 298.6
$s'sn^yk$ 248.6
$sknd$ - xw ' r^yk 401.5
sp'h, spyn 271.3
op n, opyn 211.5
$sp'\theta$ 316.1
$spny \ 323.6$
$spyd^yk$ 248.7
spyn 271.3
opyn 211.5
spynk 271.3
sxt 221.6 š'b 261.4
š'b 261.4
š'bc 261.4
8 00 401.4 77.7 010 4
škš- 319.4
škš'kmync 319.4
šmwS- 280.2
$\S{n}\S{y}$ - 292.5
v v 202 =
šnš- 292.5
$\check{s}nt^yk$ 292.5
$\check{s}r\dot{r}^{\nu}b$ - $xw\dot{r}^{\nu}k$ 245.4
šwy- 236.2
owy- 430.4
$\delta wyn^y k$ 214.1
*šž'wy- 328.3
*šž'wynk 214.1
tncynd 270.6
* $trwyn^yk$ 214.1

*tym'r 257.6 tynk- 227.2 θ'zyk 241.3 $\theta brkk$ 316.3 * θnC -cm 260.6 θnmd 335.7 θpc'x'θ 274.7 θwc 335.7 w'c 275.4 w'sym 199.7 w'zy- 221.1 whyzy- 221.2 wrbyw 336.5 wrf k 249.6 wz- 226.7 x'š 260.6 $x'\theta$ 260.6 x'zyn~224.3 $x\delta - 315.3$ *xjngr 254.6 xn 262.4 xnd- 221.6 xndk 254.6 *xnjgr 254.6 xrb- 220.4 xrb'k-mync 220.4 xrbwz-ywn 336.5 xrby- 220.4 xrδnd 290.5 *xrmnk 219.7 $xr^{y}k$ 219.7 xw'h- 293.4 xwb 320.1 $xw\beta c^yk$ 199.8 xwβcy 199.8 xwmr 301.1 xydk 245.8 xž-m' 278.1 *x2-m 278.1 *xžyd 267.7 *y'fy- 290.5 *y'fy'k 290.5 y'swyn*k 214.1 yδ'βrc 249.6 $y\delta'\beta r$ - $\gamma \check{s}$ 249.6 yf- 290.5 yxfrd 208.4 yxswby- 272.4 z'cyk-mync 269.8 zmγdk, zmxc 279.5 ¹zwz 219.5 ²zwz 314.5 zwz- 219.5