### EGYPTIAN 'AYIN IN VARIATION WITH D

Helmut Satzinger, Wien

Summary

Afroasiatic \*d yields basically Egn. '. Before voiced consonants, however, both ' and d are attested. This provisional result is corroborated by an analysis of phonetic root doublets with an opposition 'versus d.\*

In the second millennium B.C. Egyptian 'Ayin was used to render Canaanite 'Ayin, and in the first millennium Aramaic 'Ayin was used to render Egyptian 'Ayin (cf. as an overview Satzinger 1997: 27-29). This is more or less the basis on which the traditional Egyptological concept of the phonetics of 'Ayin rests. However, 'Ayin does not behave like a pharyngal occlusive in respect to co-occurrence restrictions in Egyptian roots. Instead it behaves like a dental or alveolar occlusive. O. Rössler's conclusion that it must be of a dental (or alveolar) articulation (Rössler 1971: 270–275) is cogent, although it is opposed to the numerous etymologies suggested so far that equate the 'Ayins of both Egyptian and Semitic. In Rössler's view, Egyptian 'Ayin is a voiced plosive [d]. It must not be confused with the sound, or phoneme, that traditional Egyptological transcription renders as d. In Rössler's view, the latter is rather an emphatic plosive, transcribed t. Many recently published etymologies imply that Egyptian d may correspond to an AA emphatic dental, although it corresponds in others to a voiced occlusive, \*d.1 In fact, it does not follow from Rössler's deduction that Egyptian d must be emphatic in every instance. His primary argument is that the emphatic slot of the dentals is neither occupied by t, the unvoiced plosive, nor by [d], the voiced plosive, thus leaving d for it. He further supports his assumption by pertinent etymologies, such as, for example,

Egyptian knd, dnd 'to become angry, furious,' Semitic QNT, with meanings like 'to become angry, to feel hurt, to frustrate, to despair, to fear, to be concerned' (Rössler 1971: 285, § 5)

Egyptian kdf 'to collect,' Semitic QTP 'to gather (fruits)' (Rössler 1971: 282, § 2, following Calice 1936: 41 no. 94 and 32 no. 46)

On the other hand, it may be imagined that \*d did not shift from the dental articulation [d] to a pharyngal articulation [g] in all cases. A conservative articulation may have been retained in local idioms or linguistic norms (cf. Zeidler 1992: 208; Schenkel 1993;

\* I am indebted to Agnes and Georg Stillfried for correcting my English.

<sup>1</sup> Cf. Vycichl 1985: 179. For Egn. d as a reflex of AA \* t see Diakonoff 1995: 26 no. 211; 29 no. 220; 30 nos. 221. 222; 31 no. 224 etc.; for Egn. d as a reflex of AA \*d see Diakonoff 1996: 6 no. 246; 8 no. 249; 9 no. 250; 9–10 no. 252 etc. – Ehret 1995 claims AA \*d to correspond to Egn. d (see pp. 125–137), but AA \* t to Egn. s (see pp. 167–173).

Satzinger 1994: 202–204), or it may have been conditioned by particular phonetic contexts (cf. Satzinger, printing). Whenever AA \*d retained the dental plosive articulation in Egyptian it has obviously become "emphatic". For Egyptian d (i.e.  $\langle d \rangle$ ) = Coptic T behaves all the same, whether < \*t or < \*d.

A decision in favour of Rössler's results (viz., AA \* $d \sim \text{Egn.}$ ', AA \* $t \sim \text{Egn.}$  d) or the traditional view cannot be made by simply adducing favourable etymologies and rejecting opposing ones (cf. Zeidler 1992: 206–207). Although critical assessments like the most recent contribution by J. Osing (1997) are welcome, attempts of a different dimension are called for. Rössler's approach is not based on etymologies but rather on his crucial observation of the incompatibilities (co-occurrence restrictions) of root consonants. Until now, none of Rössler's critics has been able to disprove this particular argument.

On a former occasion (Satzinger, printing) I tried to show a way to obtain more lucid results in respect to the etymological correspondences of the Egyptian dental plosives. I proceeded from the Afroasiatic roots established in D'jakonov's Comparative-Historical Dictionary of the Afrasian Languages,2 endeavouring on the one hand to increase the number of Egyptian d reflexes of AA \*d, and on the other to adduce evidence of Egyptian 'corresponding to AA \*d. Although ample space was granted to the authors, I had to restrict my documentation to AA roots commencing with \*d, and having a labial, dental, alveolar, palatal, lateral or velar occlusive as a second root consonant, thus leaving out the nasals, the liquids and what is called weak consonants, and all roots with consonants other than \*d in the first, and \*d in any but the first consonant position. This yielded, as a provisional result, a remarkable structuring of the etymologies. If the second consonant is \*b, or  $*g/g^w$ , possible Egyptian reflexes with d and others with 'in the first position were found. AA roots \* dVd may appear in Egyptian either as "or as dd. In AA roots with \*s, \*c, \*č or \*ĉ in the second position, Egyptian reflexes with 'prevailed by far, the second consonant being realised as d (which is  $\check{c}$ , according to Rössler). With  $*k/k^w$  as the second consonant, Egyptian displays either & (AA \*k having become "emphatic") or sk (!), whereas AA \*dVk roots seem to have only 'd reflexes in Egyptian.

Basically, AA \*d yields Egyptian '. In the context of voiceless occlusives, complicated co-occurrence restrictions provoke modifications that seem quite unexpected, like \*p > b, \*s > d (i.e.,  $\check{c}$ ), \*k > k. If, however, \* $k^{(w)}$  is retained as k, it is the initial \*d that is changed, though not to a plosive, but rather to s. In the context of e mph at ics, not only the dentals and alveolars but also the palatals and laterals seem to be excluded on the AA level already, and we are left with the labial, \* $\dot{p}$ , and the velar/uvular, \* $\dot{k}$ . Whereas the only instance for the former does not seem very significant (there being also an AA doublet with the voiced plosive, \*b), \* dVk may be

<sup>2</sup> My work was based on part II of the Russian edition: D'jakonov 1982: 3–93. There is in fact also a revised English version: Diakonoff 1993/1994/1995a/1995b/1997.

reflected by Egyptian  $\mathcal{Q}$ . It is mainly in the context of voiced occlusives that AA \*d may be reflected by either or d in Egyptian.<sup>3</sup>

As stated above, further evidence was omitted from the paper mentioned. It may, however, be summarised here: AA \*dVm seems to appear in Egyptian as `m, `n, dm, dn, perhaps also as ?; \*dVn may be `n, dn, perhaps also as ?; for \*dVr and \*dVl there are tentative entries with `r and d?; etc. Note that all these consonants in second position are voiced in AA.

For various reasons these results could be regarded as provisional or even premature. But to a certain extent they are corroborated by other evidence. If we accept that AA \*d may be reflected by Egyptian d in a context of voiced consonants only, though also by ', a certain number of lexical doublets should be expected in Egyptian that display 'in one case and d in the other.

Such evidence has in fact been produced, such as the following:

'(j) 'hand, lower arm' (cf. \*dj 'hand', deduced from hieroglyph ; probably Rössler 1971: 285 § 6; extant in preposition m-dj for which see below, schenkel 1993: 140) no. 11; perhaps related to dj.w 'five' (Vycichl 1985: 179; Roccati 1995: 361)

Calice (1936: 25 no. 11) related \*dj to Semitic \*yad- and some Cushitic forms whereas Rössler (1971: 285–286 § 6) regarded "(j) (\*id) as a reflex of \*yad-.

In his paper, "Ueber die Verschiedenheiten von geschriebener und gesprochener Sprache", given at the Sixth International Congress, Turin, 1991, F. Kammerzell mentioned fourteen pertinent items.<sup>4</sup>

## 1) 9 'hier(her)' dj 'hier(her)'

There is perfect semantic agreement. The substitution of 3 by j in dj can be accounted for by a phonetic development: 3 must have become mute by the time of the New Kingdom; hence, there is virtually perfect phonetic agreement.

The attestation of  $\Im$  is slightly earlier. Coptic has preserved the d doublet only: Tall 'here', cf. B TH 'there.'

# 2) S.t 'Leinenart' d'in la la company de la

As no semantic details are known, the agreement remains hypothetical.

Both forms are first attested in the Pyramid Texts. Coptic  $\Theta A Y$  is regarded as deriving from S.t.

In AA, one may compare \*tVr II 'to plait, to sew' (Diakonoff 1995a no. 236).

The publication of the paper in the Acts of the congress does not give the list mentioned, for reasons which the author explains (Kammerzell 1993), but cf. Zeidler (1992; 208). I am obliged

to Dr. Kammerzell for sending me a copy of his hand-out.

In Diakonoff 1995a/b there is much variation between \*t and \*d (also cf. Zeidler 1992: 209). In some cases the Egyptian 'doublet may be derived from the AA \*d variant, whereas the Egyptian d root may be connected with the AA \*t variant: Diakonoff 1995b: 14 no. 265 \*dac, var. \*tac 'knife; to cut'; Egn. 'd.t 'massacre'; ds 'knife; flint; to cut.'

3) 9°1. 'spritzen'; 2. 'erzeugen; Sperma' d3d3' 'ejakulieren'
The semantic agreement is satisfactory (pace Osing 1997: 229). As d3d3' is attested as late as the New Kingdom when 3 had become mute, the presence of the final 3 may be interpreted as a graphic phenomenon – a sort of hypercorrect spelling. But also a variant structured ABAB for an ABA form would be nothing extraordinary. A root variant without reduplication is d3' to copulate' (Faulkner, Dictionary, 309; Book of the Dead).

3° is attested early, d3d3 is of the New Kingdom. Not preserved in Coptic. Diakonoff (1995b no. 315) quotes d3d3 for the AA root \*d4 I 'outpour, moisture.' Orel / Stolbova (1994: 136 no. 591) quote Egn. d3 for an AA root \*da3 'to urinate, to ejaculate, to perspire', but (1994: 141 no. 614) Egn. d3d3 for \*dad4 'to flow, to be wet.'

4) % (Baumsorte) d3b 'Feige(nbaum)'

Perfect phonetic agreement. However, in the attestations of the "tree" there is no hint whatsoever to a fig-tree. For this reason J. Zeidler, in his evaluation of Kammerzell's list (Zeidler 1992: 208), remained sceptical. In the meantime, R. Hölzl has referred me to a spelling \$\frac{1}{2}\infty 9b,6\$ for \$d3b\$ 'fig' in an Old Kingdom inscription which she is republishing in the \*Corpus Antiquitatum Aegyptiacarum\* of the Vienna collection (Hölzl, in preparation). There is no doubt whatsoever about the meaning as the 'figs' here are an item of the canonical list of offerings that is otherwise spelt \$d3b\$ (see Barta 1963: 49 no. 71).

Further corroboration comes from the verb 9b 'to become pleasant.' Actually, all other verbs of quality of similar meaning are related to words for sweet fruits and/or their trees which suggests that 9b is also related to d3b, var. 9b, 'fig', and that the 9b tree is the fig-tree:

jm³ 'to become pleasant, friendly' bnj³ 'to become sweet, pleasant' ndm 'to become sweet, pleasant'9 '3b 'to become pleasant, desirable'

jm3.t, a fruit; jm3 'male date-palm'bnj 'date; bnj.t 'date-palm'ndm 'carob-tree'd3b, var. '3b, 'fig'; '3b, a tree<sup>10</sup>

Junker 1943:236 fig. 98, fifth line, sixth entry from left.

7 Offering list from the Mastaba of Minu, Vienna 8533 (PM <sup>2</sup>III/1, 140).

Beginning from the MK, it is usually written *bnr* which is most probably a hypercorrection; see Schenkel 1965: 114.

Pace Osing 1997: 229. I have noted the following cases of ABA with ABAB doublets: 'b' 'sich rühmen', 'b' b' 'prahlen'; 'm', 'm'm 'Füße frottieren'; '\$', '\$' Kehle'; nkn 'verletzen', nknk.t 'verletztes Auge'; šnš, šnšn 'zerstören'; dfd, dfdf 'Tropfen'; drd, drdr 'Blätter (der Bäume).' The case of \$3\\$', \$3\\$' verfehlen' may be compared with d3d3 for \*d3d, the final 3 being possibly a hypercorrection. (All quoted, for my convenience, from the "Beinlich List", for which cf. http://www.newton.cam.ac.uk/egypt/test/beinlich.html.)

Arab. na'ima 'to become excellent, soft, pleasant', Heb. na'em 'to become lovely, charming'; see Calice 1932: 69 no. 234 (according to Ehret (1995: 322 no. 626), from an AA root \*na'- 'to be soft' – also extant in Arab. na''a 'to become week' and na'na'a 'to become limp' – plus adjectivising suffix \*-m; however, his Cushitic \*na'- is not found in Dolgopol'skij 1973).

The 3b tree is first attested in the Pyramid Texts, and so is the verb 3b; the variant 3b 'fig' is of the late Old Kingdom. d3b 'fig' is first attested in the Pyramid Texts. Neither form is preserved in Coptic.

Diakonoff (1995a no. 239) quotes Egn. d3b for the AA root \*trb 'tree.'11

### 5) b 'Horn' db 'Horn'

From  $\mathcal{B}$ , Coptic  $B \otimes \Pi$  is derived; from db, Coptic  $T \wedge \Pi$ . Osing (1997: 229) points to the difference in syllable structure and vocalisation (\*' $\acute{a}bVw$  versus \*dib or \*dub) which means that we are not dealing with two realisations of the same word, but rather – very probably – two realisations of the same root. It may be a taboo expression with a meaning like \*'pusher.' It could be imagined that db,  $T \wedge \Pi$  is the active perfective participle of a verb \*b/db 'to push,' viz. \*dib (see Osing 1987: 340–341), while b(w),  $2\omega\Pi$  is a nomen agentis, \*' $\acute{a}bVw$  (see Osing 1976: 186).

b is from the Old Kingdom, db from the Second Intermediate Period.

## 6) b (Hundename) db (Hundename)

The Wörterbuch has not db, but db.t.t, as also Janssen (1958: 181 no. 30; also cf. Fischer 1961: 153). Ab 'jackal' (Vycichl 1958: 383 no. 16) is a variant of db 'jackal' (Vycichl 1958: 383 no. 16) is a variant of db 'jackal' (Vycichl 1958: 383 no. 16) is a variant of db attests to a different phenomenon (viz., d as variant of db (Janssen 1958: 179 no. 15, from Old Kingdom; 181 no. 31, from Middle Kingdom), db bw.db w.db ib.: 179 no. 10; Old Kingdom).

This equation remains at best hypothetical as the meanings of these dog's names are unknown. *B* has been tentatively adduced (Satzinger, printing) for the AA root \*dap II 'to pursue, to search' (Diakonoff 1995b no. 246; also cf. Orel / Stolbova 1994: 138 no. 596 \*da'ap- 'to follow', and no. 600 \*dab-, id.).

Egn. 3b 'to become pleasant' has been compared with Heb. 'areb 'pleasant', 'arab 'to become pleasant' (Calice 1936: 125 no. 519, following Ember 1911: 88), but also with Arab. garīb 'strange' (Ember 1917: 85 no. 111); Egn. 3b, a tree, has been compared with Arab. garab, Heb. 'arab, 'willow tree' (Calice 1936: 125 no. 520, following Ember 1917: 85 no. 110). From a Rösslerian viewpoint these resemblances are either fortuitous or the result of borrowings.

<sup>11</sup> The Egyptian would suggest an AA root doublet \*drb.

<sup>12</sup> Even today, hunters use numerous expressions of this kind, while meticulously avoiding the normal terms for the game and the parts of its body.

<sup>13</sup> Cf. Diakonoff 1995b: 7 no. 247: AA \*dVp 'to push, to press', and Orel / Stolbova 1994: 172 no. 753: AA \*düp 'to push.'

Cf. *lynz* 'durchziehen' : *lynd* 'betreten'; *zm³* 'vereinigen' : *dm³* 'zusammenbinden'; *zn* 'abschneiden' : *dn* (and *dndn*) 'abschneiden' (Schenkel 1993: 145); *zbnbn* 'sich ergehen' : *dbnbn* 'durchwandern (einen Ort)' (Vycichl 1985: 172). – There are also root doublets with variation of 'and *z*; see Kammerzell's 1991 hand-out mentioned above, and add *pn* 'umwenden', *pn'n'* 'mehrmals umdrehen' : *pnz* 'umdrehen' (Ward 1977: 280).

7) *b.t* 'Weberin' (?) *dbj.t* (Stoffsorte)

Zeidler (1992: 208) is sceptical about this item. There seems to be, however, additional evidence for these root doublets with meanings connected with weaving and linen:  $b_s(j)t$  'ribbon' (Meeks, AL 77.0612; Meeks, AL 78.0684);  $b_s(t)$  'reins(?)' (Meeks, AL 78.0678);  $b_s(t)$  (s-db?), smooth seam of linen-cloth (Wb. IV, 368);  $b_s(t)$  (s-db?), a dress (ib). Nevertheless, the equation remains hypothetical.

b.t has been tentatively adduced (Satzinger, printing) for the AA root \*dap I 'to plait, to sew' (D'jakonov 1982 no. 105; this root is not included in the Englisch edition, Diakonoff 1995b; but cf. Diakonoff 1995a no. 224, \*taf II 'tying, plaiting').

8) *b.t* (Pflanzenart) *dbj.t* (Pflanzenart) Hypothetical, for lack of semantic details.

- 9) 'nw (Steinsorte) dnj 'Steinblock' jnr hd nfr n 'nw 'good white stone of ...' is a term for limestone, in contrast to jnr hd nfr n rwdt which means sandstone; both expressions date back to the Middle Kingdom. In addition to dnj 'Steinblock' (Wb. V, 466,8, with reference to O. Gardiner 51, dynasty 18), compare dnw, a piece (of stone?) used for mending a monolithic obelisk of granite, and probably being of the same material (cf. Wb. V, 464,6, with reference to Urk. IV, 367,2), and Late Egyptian dnw, probably a stone used for masonry (Wente 1961: 257 note n). The semantic agreement seems poor, one will doubt that the 'and d words are doublets.
- 10) 'g' (Verbum der Bewegung) dg' 'gehen'
  The semantic coherence is not cogent, though not impossible (it is rejected by Osing 1997: 229).
  Orel / Stolbova (1994: 143 no. 619) quote dg' for an AA root \*dag-/\*dig- 'to go.'
- 11) m-f'mit, bei' m-dj'mit, bei' Both prepositions are assumed to mean 'in the hand of' (see, e.g., Schenkel 1993: 140). For '(j) and dj, 'hand,' see above. Coptic has  $\overline{N}T \geq 0$ ,  $\overline{N}T \in -1$ .
- 12) b'n 'einfassen' bdn 'einwickeln'
  The semantic coherence is not cogent, though possible (it is rejected by Osing 1997: 229); the phonetic agreement is good, though bdn has a variant with metathesis, bnd.

All forms are attested in Late Egyptian only. Diakonoff (1994 no. 80) quotes bdn for AA \*bad II 'garment, wrapping, strap; to wrap, to tie.' Ehret's (1995: 91 no. 39) quoting of b 'n 'mounting (what a statue, etc., sits on)' for an AA root \*-ba 'c 'to sit' is not convincing.

13) h bj.w (Bezeichnung für Feinde) hdbj.t 'Haufen geschlagener Feinde' For lack of semantic details, their relationship is only hypothetical. But see for the meaning the verb hdb 'to overthrow' 15 (first attested in the Middle Kingdom), the enemies are probably 'the overthrown ones.' The forms seem to have an h-root prefix (cf. Thausing 1932), the root being \*b- and \*db-, respectively. It may be compared with AA \*dab IV 'to trample, to pound, to knock' for which Diakonoff (1995b no. 252; Orel / Stolbova 1994: 139 no. 602 have \*dab- 'to trample') quotes for Egyptian: dbdb 'to knock, to thump (of heart),' medical text; cf. also bb 'to knock (at door)', dynasty 18 (see Satzinger, printing).

h bj.w is attested in the Late Period only, hdbj.t from dynasty 20.

14) hf' 'fassen, packen' šfd 'fassen, packen'

Perfect semantic agreement. For a correspondence of h and s cf. s to tear out (papyrus)' and s to tear out (papyrus, Eye of Horus)' (both attested in the Pyramid Texts, Old Kingdom). s to make captures, booty' is probably due to a phonetic shift of the New Kingdom. s is first attested in the Pyramid Texts, s in the Coffin Texts.

Rössler (1971: 286 § 6) equated hf with Semitic 'BD 'to serve' (cf. Zeidler 1992: 206); one will agree with Osing (1997: 226) who rejects this for semantic reasons. Vycichl (1958: 375) quoted Ember (1930 § 5h. 1) who relates Egyptian hf to Arabic haf a', but this does not mean 'to seize' but rather 'to feel giddy.' Instead, Arabic qabad a 'to seize (with the hand/fist), empoigner', Hebrew  $q\bar{a}bas$ , etc. 'to assemble' is here suggested. 17

Another couple of doublets have been suggested (see Zeidler 1992: 208; cf. Loprieno 1995: 45):

mš 'marschieren' (Late Egn., from an Old Egn. root), Coptic MOOϢ€ m[eu]äg[yptisch]''), Coptic MOYϢT̄

Phonetically, they correspond perfectly, but a semantic relation cannot be accepted on closer inspection (also cf. Osing 1997: 229).  $m\breve{s}$  is related to  $m\breve{s}$  'army' and it means 'to march', later also 'to walk.' If there is a Demotic  $m\breve{s}d$  'durchwandern' is it is certainly not derived from  $m\breve{s}d$  in its oldest attestation, the "bulletin" of the Battle of

15 hdb is regarded as the etymon of Coptic ΣΤΟΠ 'fall, destruction.'

Orel / Stolbova quote Egn. *ltf* for an AA root \*qafV to hold whose third radical solely depends on the Egyptian word (for Semitic they compare Akk. *ltapû*).

Cf.  $K\omega < *h\dot{a} a '$ ; perhaps, also  $K\omega \lambda \bar{\Pi} < *h\dot{a}nap$  (cf. Westendorf, Handwörterbuch, 62, but see Černý, Etym. Dictionary, 57). – Coptic  $K\omega \omega B \in$  'to compel, to seize by force', and  $KB\lambda$  'vengeance, violence' (Vycichl 1983: 71) are derived from kf', whereas hf' 'fist' is continued in  $2\omega 2\bar{q}$  'hand (as measure)' (for 2 <'cf., e.g.,  $B \times V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times [S \times \omega \omega K \in ] < V \times$ 

No source is given. The Coptic word shows that the wandering is derived from the investigating: MOYωT 'to examine, to search out, visit'; 'to consider, to visit; to wander' (however, Crum, *Dictionary*, 207a adds to the latter, "? confused with MOOωE" [which is < mš'(w); it is originally a qualitative/old perfective, cf. Polotsky 1957: 229 note 1]).

hw (Steinsorte) (MK)

mš 'marschieren' (LEgn.)

Qadesh. This  $m \check{s} d$  has a variant form  $w \check{s} d$  in another copy of the text. It is probably identical with  $w \check{s} d$  'to address,' 'to question (in court).' Its meaning in the Qadesh text is obviously 'to interrogate' (Kitchen 1996: 15), and not 'to send away' (Meeks AL 79.1380). There is, however, a direct line of descendance to Demotic  $m \check{s} t$  'untersuchen, inspizieren' (Erichsen 1954: 182). Possibly, the verb  $m \check{s} d$  is derived from a noun \* $m \check{s} d$ , 'investigation,' or the like, that is formed from the verb  $m \check{s} d$  with an m- prefix.

Our examination of the root or word doublets has yielded the following assessment. Evident doublets:

dj 'hand'; cf. m-dj 'mit, bei' (LEgn.) (i) 'hand'; cf. m-' 'mit, bei' (OEgn.) dj 'hier(her)' (Amarna) 3 'hier(her)' (MK) 9'1. 'spritzen'; 2. 'erzeugen; Sperma' (PT) d3d3 'ejakulieren' (BD) d3b 'Feige(nbaum)' (PT) 3b 'fig (tree)' (OK) db 'Horn' (med.) & 'Horn' (OEgn.) Probable doublets: dbj.t (Stoffsorte) b.t 'Weberin' (?) (OEgn.) dg? 'gehen' (LEgn.) 'g? (Verbum der Bewegung) (dyn. 18) bdn 'einwickeln' (LEgn.) b'n 'einfassen' (LEgn.) hdbj.t 'Haufen geschlagener Feinde' (NK) h bj.w (Bezeichnung für Feinde) (late) šfd 'fassen, packen' (CT) hf 'fassen, packen' (PT) Possible doublets: d3j.w 'Leinenstoffe' (PT) 3.t 'Leinenart' (OK) db (Hundename) (dbt.t: MK) & (Hundename) (OK) dbi.t (Pflanzenart) (med.) **b.t** (Pflanzenart) (MK) Improbable doublets:

dni 'Steinblock' (LEgn.)

(Demot.)

mšd 'durchwandern'

<sup>19</sup> I am indebted to Georg Brein for informations on the Vienna M. A. thesis he is preparing, viz. Wurzelinkompatibilitäten im Wortschatz der Pyramidentexte.

#### Bibliography

- Barta, Winfried. 1963. *Die altägyptische Opferliste*, Münchner Ägyptologische Studien 3. Berlin
- Calice, Franz. 1936. Grundlagen der ägyptisch-semitischen Wortvergleichung, in: Wiener Zeitschrift für die Kunde des Morgenlandes, Beiheft 1
- D'jakonoff, Igor' M. & Anna G. Belova & Aleksandr Ju. Militarev & Viktor Ja. Porxomoskij & Ol'ga V Stolbova. 1982. Sravnitel'no-istoričeskij slovar' afrazijskix jazykov II., in: *Pis'mennye pamjatniki i problemy istorii kul'tury narodov Vostoka*. XVI godičnaja naučnaja sessija LO IZ, Akademii Nauk SSSR, Moskva, 3–93
- Diakonoff, Igor M. (Head of Team) & Anna G. Belova (& Alexander S. Chetverukhin) & Alexander Ju. Militarev & Victor Ja. Porkhomosky (& Olga G. Stolbova). 1993-1997. Historical Comparative Vocabulary of Afrasian, in: *St. Petersburg Journal of African Studies* 2 (1993), 5–28 / 3 (1994), 5–26 / 4 (1995a), 7–38 / 5 (1995b), 4–32 / 6 (1997), 12–35
- Dolgopol'skij, Aaron B. 1973. Sravnitel'no-istoričeskaja fonetika kušitskix jazykov. Moskva
- Ehret, Christopher. 1995. Reconstructing Proto-Afroasiatic (Proto-Afrasian), Linguistics 126. Den Haag
- Ember, Aaron. 1911. Semito-Egyptian sound-changes, in: Zeitschrift für Ägyptische Sprache und Altertumskunde 49, 87–92
- -----. 1917. Kindred Semito-Egyptian words. (New Series.), in: Zeitschrift für Ägyptische Sprache und Altertumskunde 53, 83–90.
- -----. 1930. Egypto-Semitic studies (by Aaron Ember. Aus den Überresten des Originalmanuskripts hergestellt und nach älteren Arbeiten des Verfassers ergänzt von Frida Behnk, mit einem Vorwort von Kurt Sethe). Leipzig
- Erichsen, Wolja. 1954. Demotisches Glossar. Kopenhagen
- Fischer, Henry G. 1961. A supplement to Janssen's list of dogs' names, in: *Journal of Egyptian Archeology* 47, 152–153
- Hölzl, Regina (in preparation). Reliefs und Inschriftsteine des Alten Reichs II, Corpus Antiquitatum Aegyptiacarum 21. Wien
- Janssen, Jozef. 1958. Hundenamen im pharaonischen Ägypten, in: Mitteilungen des Deutschen Archäologischen Instituts für Ägyptische Altertumskunde in Kairo 16, 176–182
- Junker, Hermann. 1943. Gîza VI. Bericht über die von der Akademie der Wissenschaften in Wien auf gemeinsame Kosten mit Dr. Wilhelm Pelizaeus † unternommenen Grabungen auf dem Friedhof des Alten Reiches bei den Pyramiden von Gîza (Band VI), Akademie der Wissenschaften in Wien, Philosophisch-historische Klasse, Denschriften, 72. Band, 1. Abhandlung. Wien & Leipzig

Kammerzell, Frank. 1993. Aristoteles, Derrida und ägyptische Phonologie. Zu systematischen Verschiedenheiten von geschriebener und gesprochener Sprache, in: *Sesto Congresso Internazionale di Egittologia* (1.-8.9.1991), Atti Vol. II. Torino, 243–251

Kitchen, Kenneth A. 1996. Ramesside inscriptions. Translated & annotated.

Translations. Volume II. Oxford

Loprieno, Antonio. 1995. Ancient Egyptian - A linguistic introduction. Cambridge Meeks, Dimitri. 1977 ff. L'Année Lexicographique I-III. Paris

Orel, Vladimir E. & Olga V. Stolbova. 1994. Hamito-Semitic etymological dictionary: Materials for a reconstruction, Handbuch der Orientalistik I, 18. Leiden

Osing, Jürgen. 1976. *Die Nominalbildung des Ägyptischen*, Deutsches Archäologisches Institut Abt. Kairo - Sonderschrift 3. Mainz

-----. 1987. Die Partizipien im Ägyptischen und in den semitischen Sprachen, in: Form und Mass (Festschrift Gerhard Fecht), Ägypten und das Alte Testament 12. Wiesbaden, 337–360

-----. 1997. Zum Lautwert von 🖺 und 🖃, in: Studien zur Altägyptischen Kultur

24, 223-229

Polotsky, Hans Jakob. 1957. [Review of] Till, Walter C.: Koptische Grammatik, in: *Orientalistische Literaturzeitung* 52, 219–234 (= Polotsky, Hans Jakob. 1971. [Review of] Till, Walter C.: Koptische Grammatik, in: *Collected papers by H.J. Polotsky*. Jerusalem, 226–233)

Roccati, Alessandro. 1995. I numerali dell'egiziano antico, in: AIΩN. Annali del Dipartimento di Studi del Mondo Classico e del Mediterraneo Antico. Sezione

linguistica 17, 359-361

Rössler, Otto. 1971. Das Ägyptische als semitische Sprache. in: Franz Altheim / Ruth Stiehl, Christentum am Roten Meer I. Berlin & New York, 263–326

Satzinger, Helmut. 1994. Das ägyptische «Aleph»-Phonem, in: Zwischen den beiden Ewigkeiten (Festschrift Gertrud Thausing). Wien, 191–205

------. 1997. Egyptian in the Afroasiatic frame: Recent Egyptological issues with an impact on comparative studies, in: A. Bausi / M. Tosco (eds.), Afroasiatica Neapolitana. Contributi presentati all' 8° Incontro di Linguistica Afroasiatica (Camito-Semitica) (Studi Africanistici. Serie Etiopica 6). Napoli, 27–48

----- printing. Afroasiatischer Sprachvergleich, in: Acts of the conference

"Textcorpus und Wörterbuch". Berlin, 22.-26. September 1997

Schenkel, Wolfgang. 1965. Die Wurzel bnj 'süß', in: Mitteilungen des Deutschen Archäologischen Instituts für Ägyptische Altertumskunde Kairo 20, 114

-----. 1993. Zu den Verschluß- und Reibelauten im Ägyptischen und (Hamito) Semitischen. Ein Versuch zur Synthese der Lehrmeinungen, in: *Lingua Aegyptia* 3, 137–149

Thausing, Gertrud. 1932. Über ein h-Präfix im Ägyptischen, in: Wiener Zeitschrift für

die Kunde des Morgenlandes 39, 287-294

- Wycichl, Werner. 1958. Grundlagen der ägyptisch-semitischen Wortvergleichung, in: Mitteilungen des Deutschen Archäologischen Instituts für Ägyptische Altertumskunde Kairo 16, 367–405)
- -----. 1983. Dictionnaire étymologique de la lange copte. Leuven
- -----. 1985. Das Zeichen für d 'Hand' in der Hieroglyphenschrift und die semitischen Entsprechungen des zugrunde liegenden Etymons, in: Zeitschrift für Ägyptische Sprache und Altertumskunde 112, 169-179
- Ward, William A. 1977. Lexicographical miscellanies, in: Studien zur Altägyptischen Kultur 5, 265–292
- Wente, Edward F. 1961. A letter of complaint to the vizier To, in: *Journal of Near Eastern Studies* 20, 252–257
- Zeidler, Jürgen. 1992. [Review of] Petráček, Karel: Altägyptisch und Hamitosemitisch. Bemerkungen zu den Vergleichenden Studien. Praha, 1988, in: *Lingua Aegyptia* 2, 189–222