CHAPTER VI. THE FUTURE MARKER WRITTEN t (\textit{\textsc{=}}), ti (\textit{\textsc{\textdegree}}) OR ty (\textit{\textsc{\textdegree}})
AND FUTURE/PROSPECTIVE PARTICIPIAL FORMS

In the concluding section of my study on the \textit{sDm.t=t} form proper I remarked that there is a morpheme written \textit{t} or \textit{ti} which marks the future.\textsuperscript{1} As we have seen, the writing \textit{t} is present in the suffix conjugation forms of the \textit{sDm.t=t} form\textsuperscript{2} and the Subjunctive Prospective \textit{sDm=f} forms \textit{iw.t=t} and \textit{in.t=t}. The future time reference of these forms needs no further consideration here.

I have noted that this marker appears written optionally plene as \textit{ti} in the \textit{sDm.ty} participle. Following Gunn I shall argue that a very rare invariable active Future Participle written plene \textit{sDm.ti} (allograph \textit{ty}) is most probably the base of the \textit{sDm.ty} form.\textsuperscript{3}

The well-known phenomenon of the particular writing \textit{ti} showing up in the feminine passive Prospective Participle and Relative Form I am inclined to consider as not deriving from the tense marker written \textit{ti} in the Future Participle \textit{sDm.ti}, but rather as consisting of the feminine \textit{t} followed by another future/prospective marker, i.e. the \textit{i}-morpheme (written \textit{y}, rarely \textit{i} in the masculine).\textsuperscript{4}

In order to make a convenient working distinction between the various future/prospective participials to be discussed, I shall in the following refer to the \textit{sDm.t=t} form as the Future Participle \textit{sDm.ti} and to the other participial formation ending in masculine \textit{-yi} and in feminine \textit{-i} as the Prospective Participle (and the derived Relative Form).

\textsuperscript{1} Studies \textit{sDm.t=t} V (\textit{sDm.t=t}), §20 \[pp. 89-90]\.
\textsuperscript{2} Exceptionally written \textit{ti} in Ptahhotep, 266-267/L2; see Studies \textit{sDm.t=t} IV (passive \textit{sDm.t=t}(ms.(yi)t=t)), §7 \[p. 63]\.
\textsuperscript{3} Gunn, Studies in \textit{Eg. Syntax}, 42. See also Sander-Hansen, \textit{Äg. Grammatik}, 86-87 (§313) and 121 (§454); however, I see no good reason to consider his examples \textit{PT} \[516\] §1184b \textit{(sD.t=t)}, cf. Sethe, \textit{Übersetzung und Kommentar PT} V, 77-78: \textit{sD ty} and \textit{PT} \[301\] §447b \textit{(irti nTrw wTr nTrw smnt nTrw); dual ending, cf. Edel, \textit{ÄG}, 304 (§628,cc) and 504 (§986), and Sethe, op. cit. II, 239) as having future time reference; for the example \textit{PT} \[374\] §659d see §3 below. Note that for reasons of convenience the familiar name "\textit{sDm.ty} form" is retained here instead of the more correct "\textit{sDm.t=f} form", as pointed out by Schenkel, \textit{Einf. Sprachwissenschaft}, 101, Anm. 2.
\textsuperscript{4} The passive Prospective Participles and the derived Relative Form has not as yet been found general recognition. Fundamental and, in my opinion, convincing evidence is presented by Gunn, op. cit., 1-39 (chs. 1-2 + Appendix to chs. 1-2); in any case, it is true that where the \textit{-i} ending appears a translation with a future tense is a good or better choice. Polotsky, \textit{Transpositions}, IOS 6 (1976), 12 (2.2.9) did not doubt its existence, but considered only one of all the examples given by Gunn to be really indubitable. In my opinion, it is implausible to assume that, whereas the participial form \textit{sDm.ty} covering the future time field in the active voice is known to exist, the future in the passive voice has to be covered by a passive Perfective Participle, which in its certain past uses shows the ending \textit{-yt}. Of the older grammars only Lefebvre, GEC, 223-224 (§445-446) treats the passive Prospective Participles as a separate form; De Buck’s stance, \textit{Grammaire élémentaire}, 56 (§84, Obs.1), is ambiguous where the Prospective Participle is considered very problematic, but see p. 65 (§105), where the derived Prospective Relative Form is accepted! In more recent grammars and grammatical studies, the passive Prospective Participle is recognized in Westendorf, \textit{Gramm. med. T.}, 224-229 (§306-308), where an excellent survey and discussion of the arguments both for and against are given. It is further recognized in: Sander-Hansen, \textit{Äg. Grammatik}, 86-87 (§313); Callender, \textit{Middle Egyptian}, 48-49 (3.5.11.3); Graefe, Mitteläg. \textit{Grammatik}, 124-125 (§49.1), though much more hesitantly in op. cit.\textsuperscript{2}; 119 (§51.1); Grandet - Mathieu, \textit{Cours d’égyptien} II, 224-225 (48.3.4); M. E., \textit{Petite grammaire}, 131; Englund, \textit{Middle Egyptian}, 51 (NB2); Schenkel, Tübinger Einführung, 216-217 (hesitantly; see his Anm. 1-2); id., \textit{Einf. Sprachwissenschaft}, 102 (3.3); Hoch, M. Eg. \textit{Grammar}, 174 (§121.3.b); Zonhoven, \textit{M.-Eg. Gramm.}, 131 (§54c3); Théodoridès, \textit{Relatif prospectif, Annaire de l’Institut de Philologie et d’Histoire Orientales et Sables} 14 (1954-57), 85-108 (part. p. 102); Satzinger, \textit{Attribut und Relativsatz}, in: \textit{Stud. zu Sprache und Religion}. Westendorf, 140. It is not recognized in Borghouts, \textit{Egyptisch I}, 165 (§75.b-NB) and 175 (§78.b-NB2); Loprieno, \textit{Ancient Egyptian}, 88 (recognized only in the earliest \textit{Egyptian}).
§ 1. The invariable active Future Participle sDm.ti with masculine antecedent.

One of the first to collect evidence for this active Future Participle sDm.ti was Erman, who ranged it together with the sDm.ty.ty under the denominator of the "verbal adjective".\(^5\) In an observation he remarks that it stands to reason to connect this form with the Prospective Participle with the ending written ti, were this certain itself. Since he recognized that it here concerns a Future Participle sDm.ti occurring with masculine antecedents, it is remarkable that he did not connect this form with the sDm.ty.ty dealt with by him next.\(^6\)

Noting that the suffix pronouns .fy, .sy, .sn in the sDm.ty.ty form as formative elements to express number and gender are abnormal among participles, Gunn regarded the sDm.ty.ty form as consisting of an invariable element sDm.t followed by suffix pronouns "in apposition functioning as determinatives of gender and number".\(^7\) Recognizing a feminine active Prospective Participle sDmt(\(t\)) too--as the counterpart of a masculine form sDm(\(t\))-\(^8\) he found it very difficult to believe that a feminine form could constitute the base of the sDm.ty.ty.\(^9\) After drawing attention to the Future Participle sDm.ti with masculine antecedents he wondered what the connection between this form and the sDm/sDmi couple might be.\(^10\) Under the proviso of a possible connection, he saw no other way of explaining these odd phenomena than to assume that the feminine form sDmt(\(t\)) lost its specifically feminine use early on, and became a word of common gender and number. To avoid ambiguity in this respect the suffix pronouns were appended to it.

The existence of a future marker written \(t\) in suffix conjugation forms is excellent grounds for connecting the tense marker in the sDm.ty.ty form with an invariable Future Participle sDm.ti.

To create a clear picture, I shall begin in this section by only presenting instances of the Future Participle with a masculine antecedent.

Tomb Siut III, 11-12.\(^11\) n sXm=(i){f?} r nDs Hr-iwtt xsft=f r=i m spr(t).ti in irw m mt(\(y\)) nt ib.\(^12\) "I was not rude against the commoner, because he was not towards me as one who comes to petition and who brings tribute in affection of heart".\(^13\) The mistaken \(t\) before the spr-sign F42 makes it clear that this sign functions here as a phonetic determinative after a full sound-value writing rather than as a triconsonantal sign. Owing to the fact that \(t\) is written behind this sign, \(t\) can be nothing else but a verbal ending: it is not possible to simply read here the substantive sprty "petitioner",\(^14\) a nomen agentis with the ending written ty expressing an expected activity, as Gardiner and Lefebvre have suggested.\(^15\)

The existence of a Future Participle of the verb spr invites a reconsideration of the instances where this alleged substantive sprty, deriving from spr "petition",\(^16\) is written in the text called the

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5 Erman, Äg. Grammatik, 217 (§430).
6 Erman, op. cit., 218 (§431).
7 Gunn, Studies in Eg. Syntax, 40.
8 Gunn, op. cit., 35-39 (ch. 3). Note that Gunn subsumes all the examples with feminine antecedent which I take to be instances of the invariable active Future Participle under this active Prospective Participle.
9 Gunn, op. cit., 41.
10 Gunn, op. cit., 42.
12 For the reading ib mistakenly written with the nwt city-sign see Brunner, op. cit., 21, n.27. For a most probable other instance of this word in the same inscription see line 4: TAM Hr n spr(t).[i] "indulgent towards the one who comes to petition".
13 For mtr/mty HAty/ib see Janssen, Trad. eg. autobiografie I, 38.
14 Brunner, op. cit., 17. Interestingly, Brunner, op. cit., 21, n.20 identifies the Future Participle xsft(i) in the form written xsft in line 8 of the same inscription (publ. Brunner, op. cit., 43), which reads as follows: n ir=(i) w n wn xsft ib-i r ir.n=i Sfw(\(t\)). On p. 17 Brunner translates "I did not do wrong to one who wanted to oppose my heart, until I had created justice(?)." He explains the presence of \(w\) as follows: "Durch das vorgesetzte \(w\) wäre diese der Bedeutung nach prospektive Form in die Vergangenheit gesetzt". Assessing the passage and the form spr.ti under discussion, I consider his solution to be rather improbable. Furthermore, \(w\) and xsft(i) cannot both be participles without the \(m\) of equation in between, unless a mistake is assumed. I propose translating: "I did not do wrong to one who neglected what my heart opposes, until I had created awe (?)".
15 Gardiner, EG, 280 (§364) and Lefebvre, GEC, 230 (§459). They leave unexplained why this type of word formation at the basis of the sDm.ty.ty is unable to form a feminine *nDtyt and a plural *nDtyw. Note Lefebvre's remark: "forme en -ty ... probablement identique à des mots mi-substantifs, mi-participes, ayant le sens futur, qui se rencontrent exceptionnellement, comme mny [sur stèle Caire CG 20030, i.5]".
16 See Valloggia, Messagers (wpwtyw), 8-9 (§102).
Duties of the Vizier.\textsuperscript{17}

Urk. IV 1110, 7-12. \textsuperscript{18} ir gc\textsubscript{r}t wp(w(y)) nb h(A)b TAt(y) r=f Hr sprty/spr.ty nb lw di=f Sm n=f ir g\textsubscript{r}t
spr.t(y) f(y) nb TAt(y) Hr Ahwt wD=f sw n=f. Van den Boorn translates “as for any messenger whom the vizier sends for concerning any petitioner, he (the vizier) will let (him; the messenger) go to him (the petitioner). However, as for anyone who shall make a petition to the vizier concerning fields, it is to him(self; the vizier) that he orders him”.\textsuperscript{19} Translating “anyone who comes to petition” is another possibility, as also in the following example.

Urk. IV 1111, 9-10.\textsuperscript{20} ir sprty/spr.ty nb n\textsubscript{t}(l) y r Dd mnmm(w) tASw=s=n x\textsubscript{r}r ma\textsubscript{l}t(w) n\textsubscript{t}(l) st Hr xtm n swr iry “as for any petitioner/ anyone who comes to petition (and) who will say ‘our boundaries are moved’, then it is inspected whether they are under the seal of the appropriate officials”.\textsuperscript{21}

Though this word also occurs in the same text in Urk. IV 1111, 2 and 15, I shall confine myself to the above examples because in the first passage the spr\textsubscript{(y)}.ty in the first clause is taken up in the next by the sDm\textsubscript{.}ty.ty form of this verb, and because in the second passage there is a relative clause with future time reference, n\textsubscript{t}y r Dd, to introduce the oratio recta. It has been noted by Van den Boorn that the Duties contain two derivations of the verb spr\textsubscript{(y)}, i.e. the sDm\textsubscript{.}ty.ty form and the “curious” word written spr\textsubscript{ty}, used instead of the common spr\textsubscript{w}, the latter two words being basically provided with participial meaning.\textsuperscript{22}

On the basis of this evidence, the occurrence of the Future Participle in the above passages cannot be excluded. This is also true of the final example from the Duties, other translations of which are also defendable.

Urk. IV 1112.6.\textsuperscript{23} ntf sbb pXr.ty nb wDyt nbt nt pr-nsw. Van den Boorn’s preferred translation is “it is he who dispatches everyone who will circulate all messages of the palace”.\textsuperscript{24} Assuming that the word written pXr\textsubscript{ty} is indeed a participle, this explains the use of a direct object wDyt nbt.\textsuperscript{25}

As will appear from the example to be presented next, the stem of the sDm\textsubscript{.}ty.ty of ll\textsubscript{ae} gem. verbs differs from that in sDm\textsubscript{.}tr-\textsubscript{-.} 26 that is if the irregular verb w\textsubscript{m}n is to be representative of this class.

Urk. IV 576, 17.\textsuperscript{27} iw=f m \textsubscript{\textgreek{r}} Hry-tp T\textsubscript{\textgreek{a}}wy wn\textsubscript{.}ty wn xftyw=f "you are (as) Horus, the chief of the Two Lands, who will exist when (as long as) his enemies exist". There are several reasons for following Gunn’s identification of wn\textsubscript{.}ty as the Future Participle, and not to consider w\textsubscript{m}n to be an incorrect or, at the very least, a most unusual writing of the form w\textsubscript{m}n\textsubscript{.}t\textsubscript{.} of the independent Stative 2nd person singular,\textsuperscript{28} because that would leave the suffix pronoun in xftyw=f unexplained (=f instead of the expected =k). Moreover, this Stative form is written correctly in the following line. Nor is it likely to read n n\textsubscript{t}y instead of w\textsubscript{m}n\textsubscript{.} here.\textsuperscript{29} The use of the suffix pronoun =f can only be grammatically correct if we are dealing with a participial construction, which is always in the third person.\textsuperscript{30}

The following may be another example of this Future Participle with masculine antecedent serving as a divine epithet.

Tomb of Wahka II, Qau.\textsuperscript{31} Wsir anx\textsubscript{.}ty m lw\textsubscript{w} "Osiris-who-will-live-on-in-Heliopolis".\textsuperscript{32} The epithet of Osiris may well refer to his living on as member of the Heliopolitan Ennead after his

\textsuperscript{17} See now Van den Boorn, Duties of the Vizier.
\textsuperscript{18} Van den Boorn, op.cit., 146 ([version] R[ekhmire] 17).
\textsuperscript{19} Van den Boorn, op.cit., 147; Lorton, Duties of the Vizier, in: Essays Goedicke, 149-151.
\textsuperscript{20} Van den Boorn, op.cit., 185 (R20); Lorton, op.cit., 153-154.
\textsuperscript{21} For sDm\textsubscript{.}x\textsubscript{.}ny\textsubscript{.}f as a contingent tense see Depuydt, Conjunction, 208-233.
\textsuperscript{22} Van den Boorn, op.cit., 205 (2). For another writing spr\textsubscript{ty} see Stela Petrie Museum UCL 14333, 14 (quoted in Studies sDm\textsubscript{.}t\textsubscript{.}f IV (passive sDm\textsubscript{.}t\textsubscript{.}f unless (y)=f), §7 [p. 63]).
\textsuperscript{23} Van den Boorn, op.cit., 202 (R21-22).
\textsuperscript{24} For this and alternative translations and their discussion see Van den Boorn, op.cit., 205-207.
\textsuperscript{25} For the question of the direct object see also §1 below, ex. Ptahhotep, 49-50/L2.
\textsuperscript{26} Gunn, op.cit., 43.
\textsuperscript{27} Gunn, op.cit., 41, ex. 2.
\textsuperscript{28} Sethe added “so” here, but I am not sure that he meant this identification. What may support this is that he added another “so” after the suffix pronoun in xftyw=f; he may have expected =k.
\textsuperscript{29} See Urk. IV. Übersetzung, 145: “für die (n n\textsubscript{t})?, die deine Feinde sind”. A part from the improbable emendation, a construction n n\textsubscript{t}y wn xftyw=f to render the above meaning seems to me to be impossible in Middle Egyptian.
\textsuperscript{30} For an exception among the sDm\textsubscript{.}ty.ty forms as vocatives see Urk. I 202,1: ir.t(y).Tn.
\textsuperscript{31} Publ. Petrie, Antaeopolis. The tombs of Qau, pls. 26-27 = Vandier, Tombe de Ouahka, CdE 19 (1944), fig. 14 (facing p. 182) and 184 (text 3).
\textsuperscript{32} Translated by Vandier, op.cit., 185 (No. 3: “le vivant dans Héliopolis”).
death.

It is worth noting that the sDm.ty.fy form is not uncommon as a personal name in the period from the Old Kingdom to the Middle Kingdom, witness personal names such as Ankhtifi and Senebti.

I suggest that masculine names like Ankht and Senebti are their counterparts with the Future Participle rather than being independently used Stative 2nd person singulars meaning "may you live long" and "may you stay healthy".

If my suggestion is correct, then the evidence for the Future Participle must include these names too.

Reliable evidence for future time reference comes from the Appel aux Vivants and the other formulae addressing a reader. There are several examples where this Future Participle occurs instead of the expected sDm.ty.fy.

Stela Cairo CG 20030, i, 5, i anx tp TA mnr mnx msDmW wb wb Xry-Hb nb ss nb Hm-kA nb m mr.ty wAH tp TA "O you who lives upon earth, who loves to live and hates to die, any priest, any lector-priest, any scribe, any soul-priest, namely one who will want to stay upon earth".

Stela Cairo CG 20038, a, right. Htp-di-nsw nTrw imyw TA mr.ty.fy.(y) nTr pn swA.ty.(y).f.(y) Hr is pn Dd.(y) "the-boon-which-the-king-gives and the gods who are on earth (to) the one who will love this god, to the one who will pass by this tomb and will say:"

Stela Cairo CG 20518, a, 4-6. Dd=f mr.t(i) 2nty-imntyw nb AbDw mr.t(i) nsw mr.t(ii) Wp-wAw t pn n(t) Dm mr.t(ii) wAH m AbDw snb.(w) Xr Xrd m Hmw-nTr nb m mT nb swA Hr wD mn Dd.t(i) "he says: the ones who will love Khenty-amentiu Lord of Abydos, who will love the king, who will love Wepwat, this god of eternity, who will love to stay in Abydos healthy and with a child, namely all priests and every man who passes by this offering stone and who will say:"

Stela Stuttgart 10, cols. 6-8. i anxw tp TA Xry-Hb nb ss nb wb wb wb nb nb iAty nb swA.ty Hr wD pn "O you who lives upon earth, any lector-priest, any scribe, any common priest, any embalmer, any functionary who will pass by this stela"

Stela BM 156, horiz., last line. i mnT nb anx tp TA ss nb Sd.(d?).ty mdT tn "O any man who lives upon earth, any scribe who will read this inscription". The stem of the IIIae inf. verb Sdhe here displays reduplication, as against the evidence for the short stem in mri in the example above. However, this reduplication may well be a mistaken writing owing to the dental environment.

This problem of a dental environment also turns up in the following example, but if taken as it is written the example must contain the Future Participle.

This alternative participle for the sDm.ty.fy. form is not uncommon as a personal name in the Heliopolitan Ennead see Griffiths, Origins of Osiris, 118-121.

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CT [696] VI 331 f. in RHwy srd.ti sw m awy sxmwn=sn "it is the Two Companions who will plant it with their mighty arms (lit., arms of their might)"

This alternative participle for the sDm.ty.fy. form may also be expected in threat formulae beginning with "as for anyone who will ...

"Stela Htnub", 9. [ir] grt HD.t(i) twt pn nn pH=f pr=f "now as for one who will damage this image, he will not reach his home"

In the following example the identification is confirmed by the sDm.ty.fy. form in the parallel versions.

33 On the position of Osiris in the Heliopolitan Ennead see Griffiths, Origins of Osiris, 118-121.
34 Ranke, Personennamen II, 68 (22+24) and 314 (23+24). For the meaning of these names see Ranke, op.cit. II, 29-30; Vandier, Tombe d’Ankhtifi, 13 translates the owner’s name, but gives no further commentary on its meaning.
35 Ranke, op.cit. I 68 (20) and 314 (22). It is possible that the name Neferti also belongs here, although no name Nfr.ty.fy.(y) is known.
36 Indeed, Ranke, op.cit. II, 31-33 did not consider the possibility of this name type when dealing with names construed with the Participial Stative.
39 Does the form mr.t(y).f(y). stand for regular mr.w.t(y).f(y)?
42 Publ. James, Hieroglyphic Texts BM 9, pl. 28. Ex. = Erman, Äg. Grammatik, 217 (§430, ex. 5).
43 For other mistaken spellings with this verb see Uruk. IV 966,1 (Sd.(t).ty.f(y)). Further, Sd.(t).ty.f(y) on stela MMA New York 12.184, 18 (= publ. Sethe, Lesestücke, 80,4; photograph in Hayes, Scepter of Egypt I, 298 (fig. 195)).
44 Correctly written in "Stela Htnub", 6 (see §1 below).
45 Faulkner, Coffin Texts II, 262, n.13 identified the participial form under discussion. There is possibly a specific reason for using the Future Participle here, due to the dependent pronoun, see below, ex. Ptahhotep, 49-50.
46 Among the rich collection of examples, this is the only one with the Future Participle in Morschauser, Threat-Formulae, 46 (9).
appears, which also optionally shows up in the Middle Egyptian was done because an object was felt to be necessary with the transitive verb expression of the dependent pronoun although the nice parallelism is now broken up. Whereas the Carnarvon Tablet version omits the

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The Future Participle may offer a gramatically solid solution as opposed to the assumption of corruptions or garbled versions.

CT Spell 830 appears to be one such garbled text, in which the deceased seems to be addressing

May my heart be counted, may my limbs be assembled, may I be raised thereby, one who will live forever."

The above example is reminiscent of a curious formulation on a Middle Kingdom stela.

Stela Berlin 1191, section C.

Htp-di-nsw n imy-r pr wr 2nt(y)-X(ty)-wr m saHw=f nbw m swt=f nb(t)

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"to listen to", which fits the instructional context particularly well. The alteration supports the view that st in the L2 version functioned as object and that, consequently, the verb forms should be identified as the sDm.ti form.

The instruction genre may contain another instance of the sDm.ti form.

Merikare, E 106-107. 57 shA tAS-k r a [rsy] PDty(y) pw sSp.t(i) aAgsw 58 "draw" your boundary against the southern region. It is the Bowman who will take up the armour(?) 59 Westendorf has argued that this passage contains the Future Participle, because the form PDty "Bowman" should be read here rather than a feminine singular word PDt. 60 I consider this instance doubtful.

One more example of this Future Participle identified as such by other scholars that I have come across also comes from a literary text.

Berlin Leather Roll (Pap. Berlin 3029), 1.5-6. 61 ms.n=f wi [m?] ir.t(i) ir.t n=f r expr wDtlb-n=f ir<r>. "it was in order bring into existence what he had ordained to do that he fashioned me as one who was going to do what he had done". After consideration, on account of a tiny trace, De Buck, the editor of this text, rules out the plausible restoration of r + infinitive, though it is nicely in parallel with r expr. He hesitantly suggests the restoration m ir, but is evidently aware that m + infinitive cannot be smoothly translated: "he fashioned me in doing" (unless this is understood as "forming" in the sense of education). 62 Indeed, De Buck translates with "as one who should do".

Certain examples cannot be excluded on principle from containing the Future Participle, but given its rarity the utmost caution is warranted. If an alternative identification of a regular form or construction is possible, this should be given preference, thus, for example, in the following example.

CT [637] VI 259 n-q. iry-mn=f nr N pn wAt swA N pn anx.(w) wDA.(w) snb.(w) nn ir/ir.t(i) xt nb r N pn Dw. Faulkner translates here: "O Keeper-of-his-Mooring-Post, prepare a path for this N, so that this N may pass, he being alive, prosperous and hale, for there are none who will do anything evilly against this N evilly". On the basis of this translation the Future Participle ir.t(i) should be identified, but I suggest that we are dealing here with the very common construction of nn + infinitive: "without anything being done against this N evilly".

The participle with anomalous -t-ending in the following example is probably not a Future Participle for several reasons.

CT [1061] 319 a/B12C (male owner). ink apr(i) nTrw "I am the one who has equipped the gods". The first reason is that all other variants, except B3C with a female owner, have no -t-ending. Secondly, the normal future variant of the Participial Statement is ink sDm=i. Thirdly, only one instance is known to me of the sDm.ty.fy form in this construction. 63 Therefore, it is most unlikely that, in turn, the sDm.ty.fy form has been replaced by the Future Participle. Indeed, it appears that translators have rightly paid no special attention to this version. 64

A final word on the Future Participle with masculine antecedent should be devoted to the expression ir=k anx.ti Dt, which Gunn has hesitantly suggested contains this participle. 65 His hesitations were evoked by the fact that the variant versions in the 3rd person singular have ir=r or ir=f dx anx. Despite the strong morphological indications which, on this account, can only lead to an identification as the Stative, I agree with Gunn when he states that the forms anx.ti and anx can hardly be the Stative.

Indeed, from a grammatical point of view, it seems incontestable that dx anx contains a participle, presumably the passive Perfective Participle, 66 and that, consequently, anx Dt is also a

56 Wb. IV, 385 (sub B-C).
57 Ed. Quack, Stud. Merikare, 188 = Ed. Helck, Merikare, XXXVIII [a-b].
58 Quack, op cit., 62-63 favours saHA instead of shA as the original form.
59 See Quack, op cit., 63 (c) for the word aAgsw.
60 Westendorf, Gebr. Passivs, 134, n.2; I assume that he is referring to the nise of a feminine word, as in ssty "peasant".
62 De Buck, op cit., 49, n.(h) and 54, n.7.
63 Cf. the German verb "bilden".
64 De Buck, op cit., 52.
65 Faulkner, op cit. II, 217.
66 Urk. IV 221, 14: swt Hqa.t(y).s(y); see Gunn, Studies in Eg. Syntax, 59 (5).
68 Gunn, Studies in Eg. Syntax, 41-42, ex. 5.
69 For the dx anx construction see Schenkel, Dij(y)-anx, MDAIK 37 (1981), 427-432 and Kammerzell, rDj + Pseudopartizip, GM 67 (1983), 57-64. I would like to suggest a simple alternative to these complex explanations: 64
participial construction. When the active form anx.ti is approached from this grammatical viewpoint, nothing obstructs its identification as the Future Participle. It is unfortunate that there is no evidence from genuine Middle Egyptian for the expression ir=k anx.ti Dt/ ir=f anx Dt, because this would have shed more light on this difficult matter. It appears that in the New Kingdom, the expression ir=k anx.ti Dt was used without a proper understanding of the identity of the verb form—which is indeed conceivable for this very rare participle—and was reinterpreted on the basis of the verb form's formal similarity to the Stative 2nd person singular in independent use as expressing "may you be a 'may you live forever'-(person)." This may have led to ir=f anx Dt "that he may be a 'may he live forever'-(person)."

Apart from this 'circumstantial evidence' for anx.ti being a participle, the Future Participle would suit the context very well: ir=k anx.ti Dt "may you be one who will live forever".  

§ 2. The invariable active future participle sDm.ti with feminine antecedent.

So far I have deliberately only dealt with masculine antecedents, whether implicit or explicit, but the feminine form sDm.ti/ty suggests that the Future Participle sDm.ti may just as easily have a feminine antecedent.

Gunn deals with such instances under the heading of the active Prospective Participle, which very rarely occurs beside the better known passive form. On morphological evidence alone there is no way of conclusively establishing whether in an active participial form with -ti-ending and feminine antecedent this ending is the marker of the invariable Future Participle sDm.ti or the feminine ending -ti + marker i of the Prospective Participle sDm.ti (masculine sDm.ki). Some indication for identification might be provided by the circumstance that among all Gunn's examples of the feminine passive Prospective Participle that are written plene there is none showing the writing ty.  

Except for the very few masculine and feminine couples of the active Prospective Participle in the Pyramid Texts passages presented by Gunn, there is, in principle, no grounds for not ranging forms written sDm.ti and occurring singly, with a feminine antecedent, under the heading of the invariable Future Participle. Moreover, evidence for the active Prospective Participle is even rarer and does not occur outside the Pyramid Texts—that is, judged on the basis of the unequivocal masculine form. I therefore consider it more likely that in the case of a form written sDm.ti it concerns the Future Participle sDm.ti. The stem rdi in the form rdi.ty does not favour a connection with the active Prospective Participle, the passive of which appears to have the stem di. Finally, it is hardly conceivable that the feminine ending -ti of the Prospective Participle lost its 'femininity' in the active voice only, while retaining it in the passive.

I shall start with an example which, taken as it is written, must contain the Future Participle on the active voice only, while retaining it in the passive.

CT [1087] VII 365 a-b/B2L. ir s nb rx.ti(y).f(y) s(y) n sk.n=f im Dt Dr rx=f wn.ti <ms> R-sTAw "as for

anx is the well-known nfr-Hr-construction with a passive participle instead of an adjective, for which see, for example, imm n "the one hidden of name" in CT [148] II 223 a; it is well known that in the adjectival sentence nfr sw too a participle can be substituted for the adjectival predicate, cf. Gardiner, EG, 289 (§374). This suggestion seems compatible with the approach to the nfr-Hr-construction as a relative phrase of Jansen-Winkeln, Exozentrische Komposita, ZÄS 121 (1994), 51-75.

All instances given by Gunn, op.cit., 41-42, ex. 5 come from Urk. IV, reign of Tuthmosis III.

For an approach to the comparable problem of a clause or verb form with the syntactic distribution of a noun in the construction ink mr=f see Borghouts, ink mr=f, LingAeg 4 (1994), 12-24.

Cf. CT [830] VII 31 c-f, quoted above in this section.

Studies in Eg. Syntax, 35-39 (ch. 3).  

See Gunn, op.cit., 22-25 and 31-32.

Mentioned below in §3.

The evidence for the derived Prospective Relative Form is neatly presented by Gunn, op.cit., 24 (C); for Gunn's problem with the stems rdi and di see p. 43.

Westendorf, Gramm. med. T., 227 (§307,2,a) presents an example from the medical texts, case Bln 193 (Pap. Berlin, vo. 1, 3-4): siA st ms.ti(r) r st nn ms.y=s "Erkennen einer Frau, die gebären wird, gegenüber einer Frau, die nicht gebären wird", which has a parallel in case Kah 19 (Pap. Kahun, 3,2-3): siA ms.ti sa Xrd "das Erkennen einer, die ein Kind gebären wird" (quoted by Westendorf, op.cit., 229 (§311,2)). However, as appears from the transcription of case Bln 193 (publ. Grapow, Med. T., 471), there is a lacuna at the spot of the rti-element after ms; although Westendorf's restoration is plausible, we cannot be certain.
any man who will know it, he cannot perish there forever, because he knows what will exist (in) Rosetau”. Note that the parallel versions have wn.t(y).s(y), with the stem wn,78 the alternative wnt=s/wnt s(y) giving no good sense.

In the following example the writing of the participial ending as T seems to exclude even the ‘common’ feminine t.79

Urk. IV 261,9-10. rx=f nfr n xaw n wpt-rpt m Htp.T(i) ntr ir<cr>=s Htew-sd aSA wnt “as he knew the perfection of a coronation of New Year’s Day as the beginning of peace-promising years of her celebrating very many millions of ‘common’ feminine t”.80

The oldest instance of this expression dates to the Pyramid Texts. Buhen, South Temple, speech of a goddess to the boy king Tuthmosis III. beginning of years which will be peaceful”.

Urk. IV 262, 7. "the first (month) of akhet, New Year’s Day, the beginning of years which will be peaceful”. Buhen, South Temple, speech of a goddess to the boy king Tuthmosis III.81

The oldest instance of this expression dates to the Pyramid Texts. PT [535] §1290a-b. hA N pw mi anx ank=k nn m tr=k m tr=k m nftw tptn Htp.ti srf mptwtk = "O N here, come and live your life there up to your time, up to your time in these peace-promising years, while the love of you is warm”.82

Another example with a clear reference to future times comes from the instruction literature. Neferty, IIIa.83 [iw]=f mh=t Hr xpr.ty m TA 84 "he worries about what is going to happen in the country”.

It is probable that the following example should also be interpreted in this vein.

Urk. IV 1217, 1-4. nTr nTr xpr Ds=f Dd xpr.ty “the divine god who came into being of himself, who says to happen what is going to happen”.85

Finally, I would like to present a possible example from the Instruction of Ptahhotep, where both the Prisse and L2 versions display the same form.

Ptahhotep, 149-150/Pr. (= 157-158/L2).86 aHA.ti m sDwi m mdm skn.ti wr n wr "beware of causing harm with speech which would embroil a great one with another great one”.87

Proceeding with passages from the Coffin Texts, I shall present two examples which have been identified as the passive Prospective Participle.88

CT [67] I 286 a-d/TC2. Hw.(w) n=k bd(y) Asx.(w) n=k bd(y) ir.w.ti n mprtw=k im ir.w.ti n Abdw=k ir.w.ti n psDntyw=k "emmer is beaten for you, emmer is reaped for you, which will ‘do’ for your yearly festivals there, which will ‘do’ for your half-monthly festivals”. Note that the version B10C has ir.ti. It is the presence of the -w-infix in ir.w.ti which, in my opinion, forces an identification as the Future Participle.

The following may be an example with a feminine rather than a masculine antecedent.

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78 Lesko, Book of Two Ways, 87, n.(p) opts for the omission of .s(y) after wn.t(y); Hermsen, Die zwei Wege des Jenseits, 187 translates “was in Rosetau existiert”.

79 For this and the related passages with the expression npt Htp.t(i) see Gunn, Studies in Eg. Syntax, 36, exs. 2a-d.

80 Publ. Caminos, Temples of Buhen II, pl. 48 (left); = Gunn, op.cit., 36: ex. "Buhen, text, p.54”.

81 Caminos, op.cit. II, 56 translates with “peaceful”.

82 The word written Htp.ti is translated as a verb form in circumstantial function by Sethe, Übersetzung und Kommentar PT V, 194, but see pp. 209-210, where he agrees with Gunn’s identification as a Prospective Participle.


84 Note Gunn’s remark, op.cit., 37 (6) that the writing with y in xpr.ty is quite distinct in the facsimile; also read xpr.ty by Erman, Äg. Grammatik, 217 (§430). Westendorf, Gebrauch Passivs, 133, n.1 has drawn attention to a writing xprt(?i) in Ptahhotep, 116/Pr. (wdT nTr pw xprt(?i) “what happens (will happen?) is what the god commands”) and Urk. IV 888,14 (SAI Hm=f pw xprt(?i) “what happens (will happen?) is what His Majesty establishes”). Since in these examples a general present can also be translated, they cannot serve as hard evidence.

85 Slightly differently translated by Gunn, op.cit., 37, ex. 7.

86 Ex. = Gunn, Studies in Eg. Syntax, 37, exs. 9a-b.

87 See Zab, Maximes Ptahhotep, 77 (translation) and 124, where the form is identified as probably being an active Prospective Participle.

88 Polotsky, Transpositions, IOS 6 (1976), 12-13 (2.2.9) and Graefe, Mittelág. Grammatik, 119 (§51.1).

89 Note Faulkner’s remark, Coffin Texts I, 64, n.19.
CT [925] VII 128 d-e. m saHw=f nb m swt nbT mrt,(-)=-f nfr.ti n=f im xTr "[offerings for N] in all his dignities, in all the places which he would desire, things that will be fine there for him near the god". I agree with Polotsky that nfr.ti has the offerings as antecedent rather than the desirable places. With an intransitive adjective verb there must in the case of a passive participle construction be a resumptive pronoun. Indeed, Polotsky translates "[offerings] through which it will be good for him near the god", but my translation cannot be ruled out. It might concern the Future Participle.90

Although the context in the following example is unclear, it seems certain that it contains a Future Participle wn.ti.

Pap. BM 10059, 14, 7. ... n phwyXt mi ... Dr wn.t wn.ti "the hind parts and (/of) the belly ... before that which was destined to exist existed".91

§ 3. The distinctions between the active and passive future/prospective participles in Middle Egyptian and the relations with suffix conjugation forms.

For want of a better explanation, Gunn considers the affix written ti/y in the masculine sDm.ti form and the sDm.ty.ty form as a defemininized ending of the feminine Prospective Participle. Now that his evidence for an active sDm.ti form with feminine antecedent has been rearranged under the same sDm.ti form that occurs with masculine antecedent, the picture is, in my opinion, considerably clearer. I feel justified in following Gunn's view that an invariable participial formation written ti/y in these forms, which solves his problem of ti as connected with the feminine gender.

Except for the Future Participle written wnti/y of the notoriously irregular verb wntn, the common sDm.ty.ty form of which is wnn.ty.ty,93 nothing contradicts this derivation. I agree with Gunn that this obstacle is by no means insuperable.94 Furthermore, the derivation is supported by the particular morphological detail of the -w-infix facultatively showing up with the IIIae inf. verbs, of which there is one certain and one probable instance.95

The relation between the invariable active Future Participle sDm.ti and the sDm.ty.ty form is nicely confirmed by evidence from the classical phase of later Old Egyptian and Middle Egyptian: apart from the few examples with passive meaning, the sDm.ty.ty form is also always active.96

90 Faulkner, op.cit. III, 66 and Barquet, Textes des sarcophages, 53 translate quite differently.
91 For this example see my Studies sDm.t=I (Dr sDm.t=I), §13 [p. 17].
92 For a survey and brief discussion of the various theories of Sethe, Erman, Gunn, Gardiner, Westendorf, Edel, and Schenkel on its origin and construction see Barta, sDm.ty, GM 105 (1988), 7-9; after consideration he prefers Schenkel's theory, Suffikkonjugation, 58 (5.2.8), who argues in favour of a nomen actionis + suffix pronoun "der mit den beiden Zuhörungen, d.h. der auf jeden Fall hört"; Barta, op.cit., 9: "einer, der besonders gut hört". I cannot see at all what particular good hearing may have to do with future time reference. The same problem of a connection with future time reference applies to the derivation of the sDm.ty.ty form from a nisse nomen agentis type wphy "messenger" by Gardiner and Lefebvre (see my note 15 above). No less remarkable an explanation than Schenkel's and Bartas's is given by Loprieno, Verbalisystem, 100-102 (6.2.2; not mentioned by Barta), who argues that the sDm.ty.ty,sn form is a nisse nomen agentis deriving from those suffix conjugation forms that have the perfective sDm.t=mi as base (note that on p. 101 with his suffix conjugation form sDm.t=sn as the basis of his sDm.t=sn as y=sn, the Subjunctive Prospective Forms mwt,tn/iqj.t,tnf [see p. 100] are meant rather than what is generally called the "sDm.t=I Form"); see also id., Ancient Egyptian, 88. See further Allen, Inflection, 420 (§605).
93 Except for wn.t(y),st(y) in CT [1087] VII 365 a-b, dealt with above in §2.
94 Gunn, Studies in Eg. Syntax, 43.
95 The instance in CT [277] IV 19 c-d/B1Bo (in §1 above) seems to me to be certain; the one in CT [925] VII 128 d-e (in §2 above) is probable. The form written wAHw.t=-i (CT [473] VI 9 b/B1C) is argued by Bidoli, Sprüche der Fangnetze, 80, n(a) to be the passivized suffix conjugation form wAHw.t, but by Oising, in: Denkmäler Dachla, 27, n.63 is considered to be a passive sDm.ty.ty form with -w-infix wAHw.t(y).t(y) (thus also wAHw.t(y).t(y) in version B9C). See also the spelling mr.t(y).t(y) in stela Cairo CG 20038 (see §1 above). The form hAHw.t(y).t(y) with reduplication in the stem in Urk. I 205,11 is probably irregular; see Edel, AÄG, 342 (§681,3): "wohl fehlerhafter Verdoppelung".
96 There are only a few exceptions to the rule that the sDm.ty.ty is an active form; see Gardiner, EG, 280 (§363). For more examples with passive meaning see Edel, AÄG, 344 (§682) and Westendorf, Gebräuch Passivs, 137-139 (6.2). Add Monument Dachla 21 (false door of Khenyka), right, lower part, cols. 2-3 (publ. Denkmäler Dachla, pl. 4), which reads in mr.t(y).sn nsw n s(w) nb Sdsw sS pn Hr mnt n did(n) t Hnqj m ntt m-a=Tn "it is ones to be loved (by) the king among all scribes who read this inscription on this memorial stone and who give bread and beer to me from
One such unique exception with passive meaning among the instances of the Future Participle may be the substantive mr.w.t/y, mr.y.t/y "the loved one, the beloved, the favourite", which word is well known and has a long history down to Coptic times, but whose formation is somewhat elusive. If the word is indeed a substantivized Future Participle, its meaning has become lexicalized, with, strictly speaking, the meaning "the one who is to be loved/favoured", "the lovable one" instead. In any case, it can hardly be a finite form deriving from m.rw "love", firstly because the writings of m.rw forms with the ti-sign (U33) are uncommon, and secondly, because the referent is the undergoer of love, and not the agent, as would be expected on the basis of a comparison with active nomina agentis like wpwty "messenger", sprty "petitioner" or nDty "helper".

It is worth noting that the word is curiously written mr.w.t/y in Tomb Siut III, 4, in the same way as spr(t)!i in line 11 of the same inscription, which writing rather points to a participial formation. Unfortunately, the preceding context is missing, but the word can hardly have anything to do with mr.w.t/y, mr.y.t/y "the loved one, the favourite" or mr.w.t/y, mr.y.t/y "helper".

The Future Participle and the sDm.ty. ty form I suggest are the adjectival counterparts of the suffix conjugation form sDm.t=ty. In the case of the sDm.t=ty of the verb wnn, which is wnn.t=ty, the stem is in accordance with that in the Future Participle wnn.tyi, though not with the sDm.ty. ty form wnn.t=ty. The sDm.t=ty of the verb rdi, which is --or, at least, can be-- rdi.t=ty, accords with the sDm.ty. ty form rdi.ty. Also, the Ilae gem. have the full stem in the sDm.t=ty and the sDm.ty. ty. A n evident disaccord, however, is the stem iy in the sDm.t=ty form iy.t=ty versus the stem iy in the sDm.ty. ty form iy.ty. It may be that the stem iy in the latter form is connected with the -w-infix showing in ult.inf. verbs.

The special bond between the ti-morpheme and the active voice evident from the Future Participle and the sDm.ty. ty form may be connected with the question of why, contrary to other active suffix conjugation forms, the sDm.t=ty cannot be passivated with the tw-morpheme and has its own passive formation, although I am at a loss as to offer an explanation. I do not exclude the possibility that the appearance in Old and Middle Egyptian of an optional -w-infix in the sDm.ty. ty forms of Ilae inf. and other verbs with a final weak radical has to do with the same principle of word formation that also results in the appearance of the equally facultative -y-infix in the passive sDm.t=ty/ms.(y)=ty of this verb class.

On the other hand, in Classical Egyptian there is the Prospective Participle with gender distinction showing in the feminine as i and with a tense marker written iy, which almost exclusively occurs in the passive voice. Some very rare instances with active meaning in the oldest...
text corpus, the Pyramid Texts, are an exception to this.\footnote{For the rare instances where the masculine Prospective Participle with the ending -iy and active meaning may be identified in the PT see Gunn, Studies in Eg. Syntax, 35-37, exs. 1a-c, 3 and 4; possibly also ex. 5 from the Middle Kingdom. See also Hoch, M. Eg. Grammar, 173-174 (§121,3,a).} Evidently, this active use was already so obsolete by then that in a later Pyramid Text version (PT [412] §728b/N) the construction mst i/y Tw "she who would beget you" in PT [374] § 659d and PT [412] §728 b/T was altered into one with the sDm,tu,ty,fy form ms.t.i/y Tw.\footnote{Gunn, op.cit., 24 (C).} This suggests that the potential active use of the Prospective Participle was suppressed by a participle containing a strong, predominantly active future marker, i.e. the sDm,tu,ty,fy form. In other words, the active sDm,ty,fy form and the passive Prospective Participle have a complementary distribution.\footnote{Vernus, Future at Issue, 15.}

Given the evidence from the passive Prospective Participle of the verb rdi, which has the stem di,\footnote{Schenkel, Verbalflexion PT, 489 (table).} it seems to me that its future marker written i/y is connected with the Old Egyptian Subjunctive sDm=f (stem di)\footnote{Vernus, op.cit., 29.} and the subjunctive variant (optional -y-affix)\footnote{Gardiner, EG, 234 (§309).} of the merged Middle Egyptian Prospective sDm=f rather than with the Old Egyptian Prospective sDm.w=f (stem rdi).\footnote{See Gardiner, 95.\textsuperscript{2}, 489 (table).}

Whereas the existence of a future tense marker written i/y in participial forms seems incontestable on account of the evidence presented above, the most interesting question why, contrary to other participles, the Future Participle ending with this marker is invariable for gender and number must remain unsolved. The fact that the grammatical solution of appending suffix pronouns to indicate gender and number in the sDm,ty,fy form is in current use in the very old corpus of the Pyramid Texts suggests that this marker may belong to the oldest substratum. When naming the Stative the "Old Perfective", Gardiner remarks that it is the sole surviving relic in Egyptian of the Semitic finite verb.\footnote{See Schenkel, Sdt.f., JEA 57 (1971), 68 (4).} Given the fact that the Akkadian perfect iptaras which has been related to the Egyptian sDm,tz=f\footnote{Von Soden, Akkadische Grammatik\textsuperscript{3}, 130 (§80.d): "Nachzeitigkeit in der Vergangenheit, wenn diese besonders betont werden soll"; cf. also the situation in Late Babylonian, see Streck, Zahl und Zeit, 220 (II §48c.50: "lediglich der Ausdruck der Nachzeitigkeit ist tata zugeordnet" (I owe the latter reference to Prof. Schenkel).} is used in particular when posterior time reference is emphasized,\footnote{This is also assumed for the comparable passivizing morpheme .tw by Reintges, sDm-tw,f, GM 153 (1996), 79, n.1.} I do not exclude the possibility that the i-/morpheme stems from the Semitic substratum and entered historical Egyptian already in a petrified form. It seems to me that the writing of this morpheme as t in the suffix conjugation and as ti/i/y in the participials points instead to the iy representing a vowel.\footnote{Satzinger, sDm,f, JEA 57 (1971), 68, n.5. See Thacker, Semitic and Eg. Verbal Systems, 267-271, who argues that the form is a special employment of the feminine singular Relative Form. In taking a prehistoric noun actionis sDm.i/y tw as the basis for the sDm,tw,f, Schenkel, Suffiksonkongruenz, 45 obviously has the feminine ending in mind, because the t-element is not ranged under the formative elements in the suffix conjugation n, in, xr, KA and ti/tw. Edel, AäG, 368 (§732, A.nn.) also opts for a nomen actionis, which is formally identical with the infinitive in the case of the IIIa inf. and caus. 2-rad. verb classes. Loprieno, Verbalsystem, 44: "der historischen Analyse zufolge geht die t-Form auf eine nominale mri,t-Basis zurück, die in der klassischen Sprache als Infinitiv einiger Verbalklassen oder als sog. 'Komplementsininitiv' in produktivem Gebrauch auftritt". For an altogether different approach see Janssens, Verbal System in Old Eg., 21-23 (§28-29).} In agreement with Satzinger's opinion--at least as far as the sDm,tz=f is concerned--any connection of this morpheme with the feminine ending -t would seem most improbable to me.\footnote{Note that, from a synchronic viewpoint, the sDm(t).n=f Relative Form also undeniably shows that the tense marker.n follows the feminine ending.}

In the introduction to the present study I have referred to the -ti-ending showing up in the feminine passive Prospective Participle and the derived Relative Form. It seems to me that, given the relation of this participle with the future marker i/y and its marking of the feminine gender, this -ti-ending is morphologically unconnected with the future marker ti.\footnote{I owe the latter reference to Prof. Schenkel.} However, because of the fact...
that this special -ti-ending in the feminine Prospective Participle could maintain itself in Neo-Middle Egyptian, the future marker ti at work in the regularly used forms sDm.t=f, sDm.ty.fy, iw.t=f and in.t=f may well bear responsibility.