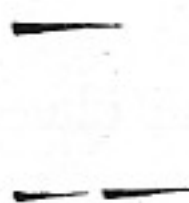


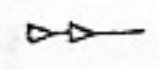

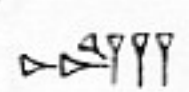

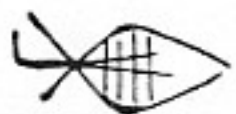






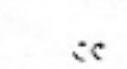

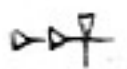
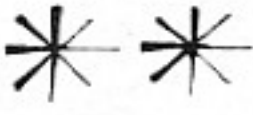


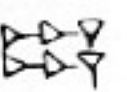

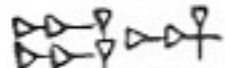

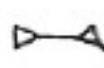
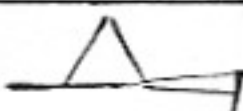
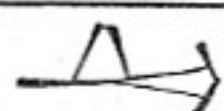
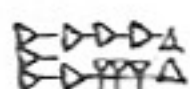


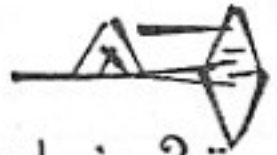

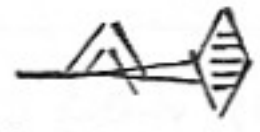
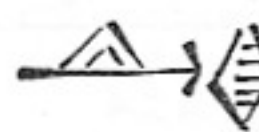
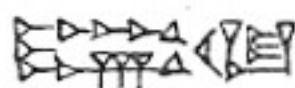
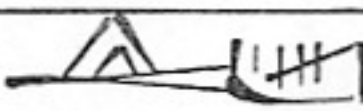



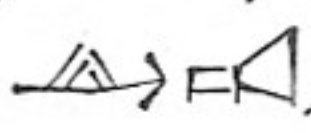
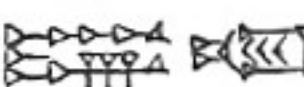

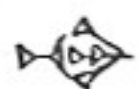




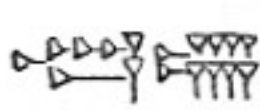

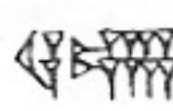
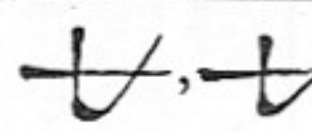
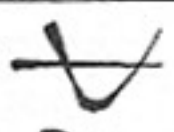
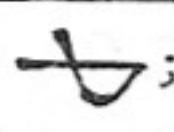
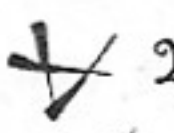



## S I G N L I S T

for the Principal Collection (nos. 1-373), an index to which is provided by the references. References to the Supplement are included only in special cases.

1		In PN 87, 221, 223, 719; dil-bad: Int V, H(2); as numeral. PN 222; aš-aš: 274 ii(?).	
2		hal-hal: 129, 3; 186 ii. pap-hal: 372 i.	
3		234 ii (fish). Cf. S.5.	
4		226 vii and often; 345 ii. Cf. S.5.	
5		305 i;  109 i;  47 i;  62 i;  87 ii. S.3, S.4, S.5 are the same; S.3 school form (cf. Int. IV(1)), S.4 and S.5 less abstract. S.4 and S.5 are used indifferently in PN. S.5, resembling a  , is the origin of GÍR-TAB PN 14, 15, 110, 321-326, 471, 623, 709 (all gír-gal); 327, 655(?).	
6		In divine names or as determinative: Int V, O(1), cf. (3). PN 83, 86, 88, 89, 90, 107, 135, 139b, 148, 150-159, 215, 226-253, 298, 392, 398b, 463, 514, 560, 608, 620, 686, 708, 720-729, 733, 741. é-AN: 93 ii cf. Int. V, L(i). dam(?) - dingir: Int. V, M(4). an-ta: 63 vi. qu-an-šù: see S. 331. AN.SI(sí-an): in accounts 65 iii, 66 i, 162 iii (= sí-a, diri?). qig(?) - an: 29 ii. Frag. 238.	
7		or   PN 184, 558.	

8		234 ii (starfish)	
9		še-nu-bad : 198 ii; dil-bad : Int.V, H(2)	
10		128v, 193A, 305 i  168 ii. PN 41, 324, 485, 751.	
11		PN 322, 449, 657, 661, 662, 670; cf. S.13. PAP-ŠEŠ: Int.V, M(57).	"
12		normally.  53 i; 61.  42; 55 i.  only in 3 ii; and  2 v, F. period. ŠEŠ+NA(cf. S 22) = nanna (invariably without dingir). In gán-nanna, Int.V, J(iii); PN 39, 185, 393, 545-557, 631; 737, 745; title, Int.V, M(30).	
13		PN 323, 503, 663-669, 674. [cf. SAK 6(h)34]	
14		passim. Seal impression  337; cf. 323, 330, 335; cf.  333. [310 iii, iv  , later] urí: 51 iii, 83 i, 93 ii, 95 i, 178 i; d.nin-urí: 105 i; PN 33, 599, 754, 756; PA-urí: 9 i; cf. Int.V, M(52).	
15		PN 610, 645, 647	
16		sealing, U.14896. Probably = S.15; cf. JN 17 and 50, thus = PN 647.	"
17		in SIR-BUR-LA: 205 B. Sealing  324, in PN 336.	"
18		and similar. PN 676-678.	
19		and similar. PN 161, 260, 587b(?), 679-681b, 768 (cf. Int.V, M(44)). anšu-dungi: 127 i 7. On these signs cf. Int.V, A(4).	
20		more frequent forms; also   ; and intermediate.  2 v, F. type. PN 151, 210, 262, 277, 312,	



		341, 443, 447, 449, 514, 515, 516, 526, 535, 560, 582, 620, 628, 656. Titles: Int V, M(5), (36)-(40). a. ma-nu-nun: 105 i; lugal-Ki-nu-gi: 17 ii. NU.ŠU (meaning?) 226 iv, v, viii. nu-bad: 198 ii.	
21		S = F.Sch.63 iii 14. 168 ii, = PN 414 (where zag would suit (Int V, M(21): but cf. S.158).	
22		127 ii;  274 i, ii;  127 i; 253;  237; 2 ii (F. type). 367 ii 7 : cancel- lation? PN 83, 206, 414, 422, 444, 451, 540-543, 555, 597(?), 733, 762, 763. ma-na: Int.V, G. word in 237, 3.	
23		usually,  324. PN 9, 273, 307, 400, 530, 531, 621, 666, 671. sug-ti (plac): 112 iii. 275:  17 times.	
24		277 Cf. F 47. Int.V, B(2)ii.	
25		= F.13. PN 602, 655. 158A, 3 with šām. Sign could be equivalent to šē in last two instances: cf. S.66.	
26		PN 31, 90, 297, 424, 473, 480, 537, 574, 756, 761; titles: Int.V, M(9), (32).	
27		171A;  71 i, and the like. F26? or F. 346(ašgab)? PN 772, 773; title: Int.V, M(77)	
28		PN 40, 68, 75, 150, 237, 295, 352, 421, 425, 440, 493-499, 528, 560, 594, 595, 659, 684, 732, 760, 775, 793. še-zì-ma-sir: 57. ma-gíd: Int.V, D(2). ma-na: <u>ibid.</u> G	
29		and similar;  3 i. Certainly BALAG, PN 151, 208, 227, 773 all containing. Known combinations with BALAG. S. is virtually MA-GUNU. Cf. HÚL (rejoicing), apparently also gunu of MA: see S.274.	
30		9 i,  162 iii, and similar, c.18 times (cf. RA24, 23 ); etc., passim.  3 ii. Cf.  20 i;  225 iv. Probably all <u>šì</u> . Extremely frequent in PN (cf. Int. VI): PN 20, 42, 57, 60, 61, 78, 82, 84, 85, 97, 98, 101, 102, 105, 117, 121, 125-128, 130, 133-138, 143, 186, 189b,	



		208, 211, 214, 255, 263, 267, 271, 274, 275, 282, 284, 292, 306b, 329, 335, 343, 344, 387, 402, 408, 429, 434, 441, 454, 461, 466, 467, 468, 477, 487, 492, 500, 505, 506, 511, 513, 519, 536, 585, 595, 598, 599, 611, 634, 640, 702, 743, 776, 788. Titles: 300 ii 1; Int. V, M(51)(52)(56). Commodities: <u>ibid.</u> B(2)i, ii; fields, J(ii). an-si: see S.6. Ša-si: see S. 193. School text: 183.	
31		1.	
32		85 iii, etc. This, SI...A, and A...SI, transcribed <u>diri</u> in PN 5, 59, 91, 220, 229, 247, 254, 285, 304, 464, 504, 548, 688.	
33		168 i;  167; etc. PN 370, 430, 497, 635, 637	
34		19 iii;  27 iv;  252 ii; and similar:  109 v. [S. appears to give an origin for both HU and RI (cf. F. Wirths. p. 19* mid.); there would be analogous relation of S.30 to SI and MA?] Birds: 19 iii, iv; 69 i, ii; 18 ii 4 (in title). PN 347 f., 517, 787. Gods: 27 iv; 105 ii.	
35		19 iii (poultry account).	
36		3 ii,  75,  66 ii, etc. PN 86, 195, 217, 219, 220, 259, 331, 409, 503, 547, 648, 685, 687, 690, 755.	
37	 	125,  etc. often. 47 i, ii: incomplete. PN 8, 77, 218, 227, 271, 351, 538. giš-mud: Int. V, D(i). 274 i; 350. PN 306 b, 351, 538, 567. NB. variants in PN 351 and probably 538. The sign added to HU may be GIŠ, in its two forms (cf. S. 312).	
38		224 i,  127, and similar.  287, cf. 290.  199 (twice).  454, 481, 482, 544. PN 241, 444, 445,	




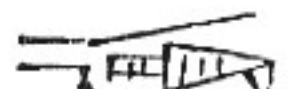

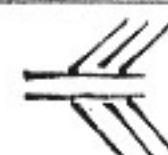

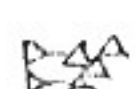






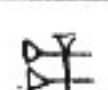
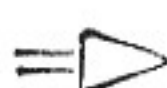


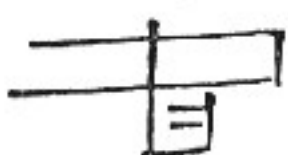

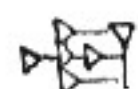


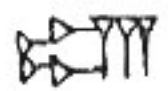
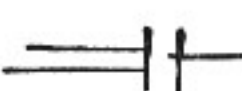
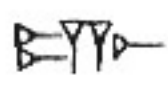
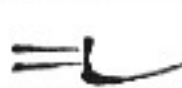









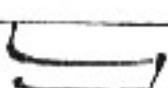
PLATE 5.

39		161 ii. Cf. F. 72.	
40		85 ii, iii = F. 46. Cf. Int. J(ii).	
41		20 i; etc.; ;  279 i;  2 (F. period). Še-numun: Int. V, B(1) i; numun-è: 2 iii, vi; PN 292 f.	
42		1.	
43		84 ii; 274 ii. PN 408.	
44		6 ii (PN 775). Cf. REC 20 bis. Cf. S 254	
45		310 v (later period). 53 ii ? (PN 478)	
46		16 i, etc. Int. V, A(2).	
47		2 v (F. period) in N 210. Cf. 105 i (nom. dei). See S. 48	
48		passim, with ŠAR inserted;  305 iii. Without ŠAR: 153 ii (minute writing) and 325 (sealing). The composite S. appears to be equivalent to the simple sign (he, gán). F has transitional forms: F. 62; F. Sch. 64 ii 2, iv 1. PN 104, 111, 112, 231, 290, 291, 346, 474, 552, 572, 624, 689.	"
49		131: [ezen-]gán-gán[ ]. Cf. Int. V, N.	
50		248 ii (PN 356).	
51a		used with ninda	
b		,  , with ninda	
c		with ninda. Int. V, B(2) ii.	
52		259: slave list;  PN 205 <sup>Noi</sup>	
53		PN 579 - 581; titles, Int. V, M(12), (35b); male animals, <i>ibid.</i> A; place, <i>ibid.</i> P(10); fish: 234 i.	"
54		2 vi (F. type). = F 50 51. PN. 776.	
55		18 ii (S. - á-mušen). = S. 54? Cf. Int. V, M(78).	
56		PN 44, 144, 752, 759. ušum-ku: 283 ii (school)	


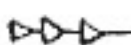
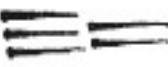

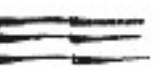
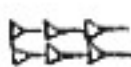

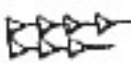


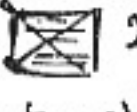



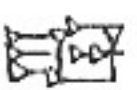


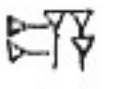


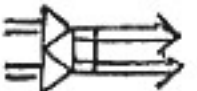
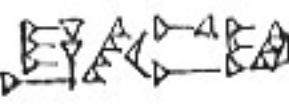




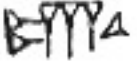
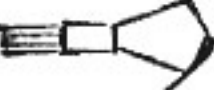
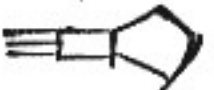



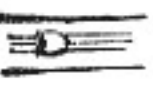







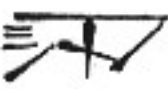
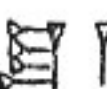

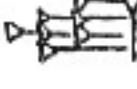



57		163 iv 4.	
58		pass.  2 v (F type) •  3 ii. Sealings:  (324),  (U.14896); cf. 313; cf. S.200 PN. 2, 8, 56b, 95, 96, 97, 126, 132, 190, 227, 230, 271, 286, 467, 505, 531, 538, 584, 585, 659, 787 b. In nom. dei, 105 i, place-name, Int.V, P(6), schooltexts: 69 i, ii; 182 B; 234; 299.	
59		PN 309, 728; 112 ü 8 (title?); 61 i 6 (school).	
60		271 i, ii (PN 194).	
61		,  ,  ,  , etc. pass: Int.V, J.	
62		etc., with rounded corner, pass.  51 ii; cf. 360 ii, 361 ii; 1 (sealing).  70 ii; cf. 354 ii. PN 63-70, 111, 112, 141, 142, 226, 235, 243, 245, 246, 248, 251, 340, 459, 474, 546, 572, 619, 624, 677, 689, 739, 804. Terms of accountancy: šid-aq, see S 371; cf. ag: 67 i, 98 ii, 142 ii, 196 A.	
63		etc. passim.  310 ii (later). PN 56, 113, 219, 357, 358, 635, 680. Titles: Int.V, M(15)(72); šag-gál in names of buildings, <i>ibid.</i> L(ii); gál with še, ziz, ninda: <i>ibid.</i> B(1) i, ii, (2) ii.	
64		PN 248, 283, 535. šu-tab, of fields, Int.V, J(ii).	
65		199 iv;  85 iii; etc.  310 (later): cf. 261 i 5? Measure: 85 iii, 258, 276, 310 iv; gur-ab: 199 iv, 224 iv. PN 377.	
66		177 iii; cf. 95 i;  158 A;  303; 252 edge.	
67		197 ii; 203 ii. PN 703, 777 f.	
68		285; and similar.  70 i. PN 231, 360, 673.	
69		37 i,  46 ii, etc. Int.V, B(2) i.	



70		29 ii,  29 i, etc. Int.V, B(2) i.	
71		,  usually.  280? PN 365, 427, 466. Offices: Int.V, M (15), (18). Animals: udu-du <sub>g</sub> , máš-du <sub>g</sub> : <u>Ibid</u> A. AB-GAB-SAR: <u>Ibid</u> . C.	
72		,  , passim (the former twice as frequent). Often slanted  ,  .  rare (c. 3 times). 2 ii (F. type):  . With usual form cf. Hoffman Tab. PN 32, 33, 157, 334, 335, 482, 586 - 601, 603, 639; and titles, Int.V, M(42)-(58).	
73		passim. Int.V, A (5). PN 107, 108, 172, 340, 342, 343, 344, 433, 434, 591, 720. Fish name: 234 ii. 310 i (later).	
74		apparently in PN 109, 173 (but cf. S. 34-3).	
75		184 iv,  253 i, and similar and intermediate forms. Int.V, J (iii). PN 2, 302, 338.	
76		234 i 14 (fish) = F. 25.	
77		PN 708 - 715 (transcribed um, but mes may be intended in some cases?).	
78		173 i, Int.V, H(3). PN 27b, 780	
79		PN 295, 659; where variants confirm identifica- tion with ma (Langdon, JN 48).	
80		U. 14896. (cf PN 314?)	
81		70 i (PN?)	
82a		 , passim.  108 ii.  353 i. PN 45, 188, 199b, 252, 308, 352, 451, 452, 760 - 764, 775.	
b		113 B (cf. PN 252); 190 i (?) (cf. PN 760). Also = za? (Or nuruz: JN 240: but cf. S. 187).	
83		277, 2:	



84		PN 554. 226 i 1 e <sub>6</sub> -tin (error?)	
85		109 iv 7 (i-sug). 226 viii 11 (i-lum).	
86		272 i (school): cf. F.Sch. 57 ii 4.	
87		PN 247.	
88		176 i,  248 ii,  247 ii,  92 i,  181 i; etc.  2 v (F type). PN 84, 102, 210, 228, 426, 460, 461.	
89		98 iv.  310? (later).	
90		177 ii. Usually  224, etc.  1 (sealing). PN 3, 4. 71-74, 80, 81, 275, 618, 619.	
91		34 i,  63 i; etc. PN 55, 195, 213, 456, 686, 746. 362 ii 2: u-a.	
92		112 ii 2. suka: Int.V, M(69), (69b), (70).	
93		 44; 52; probably title with PN 759, and thus partly equivalent to S. 94.	
94		 PN 644, and with PN 640, 759. Cf. F 156, but inserted sign not PA.	"
95		passim; also  and similar, 38, 19 i, 150, and  73, 240 i, 310 ii (later). Int.V, B(i) ii. PN 348, 382, 768, 769.	
96		226 viii,  163 ii,  3 ii, etc. PN 215, 520; titles, Int.V, M(71)-(73). §u-tab: see S. 64. §U-NU: see S. 20. 69 i 5 (school)	
97		69 i 4 (school). (  I, sagil?)	
98		18 iv 4.	
99		1 (sealing). Left hand.	



100		322 (sealing). Left hand.	
101		pass.  63v.  310 iii, 308 (later). PN 10, 34, 46, 58, 96, 141, 142, 216, 217, 217b, 279, 331, 358, 361, 368, 407, 458, 462, 481, 483, 491, 502, 529, 556, 566, 620, 628, 664, 670, 694, 699, 712, 713, 728, 780, 784, 785.	
102		18 ii (á-musen : Int.V, M 78).	
103	a. b. c. d. e. f.	PN 152, 211, 262, 263, 267, 327b, 370b, 379, 501, 509, 559, 560. ne-saq: Int.V, O(i). 18 iv 4. PN 74, 325, 326, 337, 363, 364, 416, 589, (590), 601, 713, 798-800: <u>always with S.377</u> . = d.  = e.  in the frequent PN 164, (261). šā-bíl (c and d): see S.193. 362, 2. PN 167.	  
104		81b; ct 70 i, 276.  308 (later); 159 ii (?). PN 21, 378, 418.	
105		227, 246 ii. PN 378, 616. Apparently origin of preceding.	“
106		112 v; 264 i: = F. 159. Int.V, M 78b, P 14.	
107		passim: also often with 5 parallels, and occasionally with 3 and 6. PN 7, 11, 14, 15, 15b, 44, 48, 110, 113, 124, 132, 144, 165, 172, 176, 224, 243, 275, 305, 321-326, 327b, 343, 357, 366b, (371), 388, 389, 393, 457, 471, 494, 523, 540, 551, 588, 623, 639, 651, 662, 678, 699, 705, 706, 709, 724, 751, 752, 753, 759, 766, 802, 805; titles: Int.V, M 13, 15b, 17c, 51, 67, 70, 71, 74-77, 78b, 80. é-gal: <u>ibid.</u> L(ii). gal-gal: of loaves (37 ii, 66 iii), vines (209), reeds (25 i, 230), fish (19 ii) Lú-gal under S.236.	
108		see S.131.	
108b		305 i: il? (PN 370b): but cf. S.412.	

109		68 ii,  93 iii,  299 iii, 1 (sealing). PN 30, 70b, 521, 569. Int.V, M(35).	
110		13 ii. =S.109?	
111		234 ii; 253 ii;  112 ii. PN 656; Int.V, M(19); 234 ii (fish).	
112		67 i: as S.III: PN 400.	"
113		333 (sealing).	
114		165.	
115		19 i. (a-dug : of fish)	
115b		362 ii (ú-a : of corn)	
116		PN 103, 314, 315. 234. i (fish).	
117		PN 407, 482.	
118		203 i.  298. Int.V, A(1).(2).	
119		U. 14896.	
120		85 iii, and similar: PN 23, 247, 369, 417, 573, 744.	
121		240 ii. PN 419.	
122		70 i.  70 ii. PN 123, 418.	
123		226 viii,  77, etc. PN 383, 493, 541, 562. 310 iii (later): zú-lum.	
124		48 i,  112 v 8, etc.  U.14896 (S-Ki). PN 136-138, 163, 580b, 653b.	
125		PN. 192, 209, 448, 636, 638, 658, (319b?). gañ - sum: 163 iii.	
126		. PN (490?), 602; pap-šeš, 27 iv; 297 iv (school); 323(?); 353 i ii: S-túg-ša, 372 i, pap-hal; S.103b, f.	
127		153 ii: PN 726.	



128		In S 376; in S. 276 b(?)	
129		273 i = F 455 a. PN 780. Int. V, H(3).	
130		etc pass., also  .  64; 261 i. U 14896. Cf. also S. 25. Int. V, B(1) i. PN 35, 151, 433, 654-659. ŠE. ŠA: see following.	
131		[= ŠE(S. 130) + ŠA(JN 82) = LI], 143 iii;  (ligature), 51 i. Usually ŠE and ŠA, or ŠA and ŠE, with value <u>li</u> , are written separately. Ideogram from barley and song (cf. JN 81)? For the disjunction, cf. JN no. 124 iii with F 693 . 261 i: prob. ŠE-D = li: see S. 390. PN 296, 350, 406, 431, 643.	
132		170 i, etc.;  58; 142 ii;  162 iii. The last forms approximate to Hoffman III 1. PN 130, 156, 446, 511, 722.	
133		155, etc. PN 36, 682. S-mušen: 69 iii.	
134		342 i,  199 i,  209 [cf. Hoffman II 2],  241. Cf. following, and Int. V, D(1).	
135		52 i;  60. more original form of preceding? (= TUR) and LAGAB + GUD: thus umbrageous tree? Cf. Int. V, D(1).	
136		93 iv. In 103 ii SU instead of ZU. In other cases sketchy. F. 218. PN 50, 499, 528.	
137		176 i. Cf. F 217. PN 51.	
138		and similar Int. V, C; J; nu-sar: ibid. M(38). PN 31, 198, 225, 244, 297, 481, 496, 692.	
139		Measure: 18 iii, 58, 134 i, 226 vii, viii; ezen-HAR-S., Int. V, N; PN 602; fish name, 234 ii. Cf. S. 390.	
140		22 ii. (KA + ZU?)	
141		274 ii: nim? Cf. PN 570.	














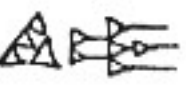

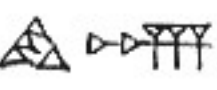





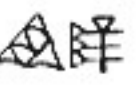

142		252 iii. It composite cf. F. 386: but read prob. <u>igi-nim ša</u> .	
142b		354 ii: PN 535. Ligature tab-šag?	
143		318 (sealing: <u>giš-erín(?)</u> )	
144		PN 227, 277, 345, 358. cf. S. 314	
145		,  1 (sealing).	
146	   	PN 48, 145-201, 697. [origin is JN 293: cf. JN no. 178 i 1 with PN 697.] PN 770f. 156 i.	 
147		,  Int. V, B (2) iii. PN 149, 213, 225, 654.	
148		,  Adjective to dug (Int. V, B 2 iv), <u>giš-ma</u> , <u>ma</u> (D2), <u>giš-gi</u> (E), <u>gu</u> (H2); verb (Int. VI); PN 68, 166, 212, 227, 265, 347, 470, 482, 594, 595, 646, 648, 659. Interchanges, in value <u>šir</u> , with S. 149, S. 151: cf. PN 227 with PN 151; PN 646 with PN 170; PN 659 with term in 57, 1; and variant in PN 482.	
149		238 (frag). cf. S. 150.	
150		,  PN 482.	
151		57. PN 151, 170.	"
152		51 i. PN 539.	
153		305 ii;  62 iii; 181 iii; 5 iv; 108 ii. Cf. AO 8860, RA 1927, p. 28. PN 158.	
154		232. = JN 133 (dul?) + a. PN 6. (dul2-dul?), 63 i. PN 395.	
155		23 i. Int. V, L ii.	
156		112 i, iv 9, 13 (d. S-Ki);  140 iii (ur-d. nin-S). S. = Agade  etc. (apud JN 403); and with d. nin-S cf. d. nin-S-ga (ibid.). In Agade and later	



		base of S. approximates to S.278; but not so here.	
157		153 i (ur-d. S). S.88? S.156?	
158		343 ii; 356 i. Int.V, M(10), (70).	
159		283 ii (school). Cf. F.Sch.19, rev.1, 12.	
160		70 ii: PN 108.	
161	(a)	<p>127 i 7: anšū-DUN.GI.</p> <p>Here are classified other signs related to ANŠU.</p> <p>(b)  9 ii =  34 iii =  112 v</p> <p>=  235 v; all in same place-name (Int.V, M54, P15). S. appears to be equivalent to ANŠU without the "bridle", i.e. KIŠ: except that the second example has ears separated, i.e. HUS (cf. c). (The incomplete name in 348 iii is best distinguished from this: cf. S.162)</p> <p>(c) HUS, apparently with meaning anšū (and šakan?) in some cases, occurs also: 11 ii (PN 202?) ; 17 i (PN 204) ; 17 i (PN 203) ; 32 ii (PN 202) ; 65 ii (PA-anšū) . HUS=ANŠU is explicable if HUS depicted the wild ass?</p> <p>(d)  98 i (PN 384: KA-ŠAKÁN).</p> <p>Broken signs in 76 i (cf. PN 472); 193 A (cf. PN 182).</p>	    
162		348 iii: incomplete place-name. S. either pirig orafz]: = uru-az-Ki (SL 131, 6)?	?
163		108 iii.  161 i. alim-(lim?-)ma. PN 75, 150.	
164		259 iii, iv. PN 784 f. az(a) [but the complement is a rather than za: cf. S.416]	
165		143 i: PN 786 f. (gir? cf. SL 423)	








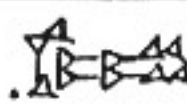



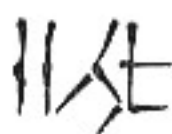












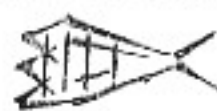
166		105 ii. nom. dei. School: intended for alim?	
167		323, 330 (sealings). Cf F 357: but inserted S. is DÙ.	
168		354 ii: PN 567	
169		PN 101, 168, 301.	
170		109 iv. Cf F 397 [ $\triangleleft = F \triangleleft$ also in S.180]. Or error: S.169.	
171		274 ii, and twice. PN 24, 422.	
172		101; cf 103 i. Int. V, H(1).	
173		12 i and similar. 143 i 3 irreg. (ligature). PN 115, 234, 330, 371, 463, 673, 730. 72 iv with ne-sag. 143 iii 5 (meaning?). 148 (frag). 345 i 3 and iii 2 nu-gíg with this sign. Int V, M (5). (37). Thus this term originally contained gíg = mūšu, the independent sign nunuz being added subsequently (cf. nu-nunuz = sinništum). For the analysis of GIG cf. F. Sch. p 28, col 1, 17. For the omission of nunuz in the term nu-gíg cf. 348 iv, Lukur-zi-nanna, with the later writing Lukur-nunuz-zi-d. nanna: Int M 30, 65.	
174		117 (with gán).	
175	a.	66 and 3 other tablets.	
	b.	31 and 3 other tablets. Int. V, B(1) iii.	
176		Suppl. 20 iii, Agade period. PN? Cf var. of S. in Agade document from Kiš, Langdon (in publication).	
177		cows: Int. V, A (5); PN or title: <u>ibid</u> M (1b); place name <u>ibid</u> . P (6); fish name: 234 i.	
178		U. 14896 (PN 404 b). = JN 179 (sig: could be áb?)	
179		41; 104 v 3 PN 612	













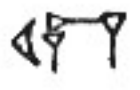

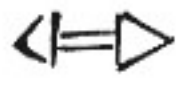
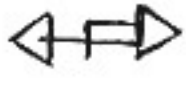
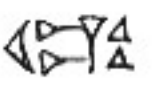

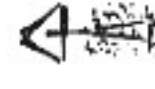
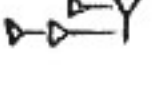
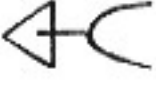



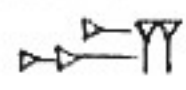
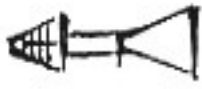
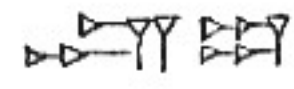





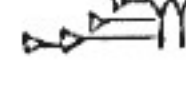



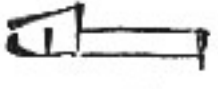


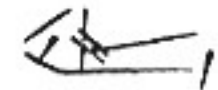
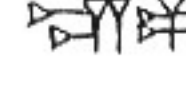


180		163 i, ii;  164 iii. Int. V, J iii.	
181		18 iv 5. Int. V, M 79b.	
182		9 i;  283 ii (school): word list Cf 319. PN 103, 179, 280.	
183		1 (sealing).	
184		PN 32, 93, 100, 122, 160, 264, 272, 286, 287, 310, 311, 328, 391, 392, 426, 549, 550, 587, 593, 660, 661, 669, 674, 754. Of sheep (Int. V, A 1), ass (A 6); tree name (D 4), fish name 234 i; S. 115; Šar-ra: 226 iv, vi.	
185		U. 14896. PN 366 b.	
186		18 iii (Int. V, C). 67 ii (PN 298). F 363.	
187		272 i (school). Cf F 364.	 x 2
188		79 (frag); 15 iii (Int. V, J ii).	
189		372 i 1: PN 704	
190		3 i; etc.  2 v (F type). PN 208, 210, 606, 660.	
191		etc. passim.  3 i; 235 ii. Cf 66 iii  ? U. 14896  (cf. Int. V, P). PN 21, 119, 161, 176, 178, 289, 388 - 399b, 436, 508, 525, 526, 587b, 734, 754. Lugal-Ki-nu-gi: 17 iii. Localities, etc.: Int. V: J, L, P. Ki-gi: <i>ibid.</i> E.	
192		22 i; cf. 237, 3; 251.  131; cf 88 iii, 192 i; 279 ii. All in ezen-S. (Int. V, N). Word in 237. 372 ii ?	
193		passim.  333,  322 (sealings). PN 259, 535, 544, 650 - 653b. Often concerning fields: with udu (Int. V, A); ma-gid (D 2); a, Šub, Šu-ig, gan-en-gig (J). igi-nim-ša: 252 iii.	

		BÍL. šà : 36 i; 160; 185 i, iii; 286 i. si. šà : 27 i 7, iv 3; 160; 185 i. PARTÚG. šà : 353 i, ii.	
194		U. 14896. Cf. sealings 320, 336. PN 787 b, c.	
195		PN 521. PATE. SI: 35 ii. 247 iv (frag)	
196		262 ii (school).	
197		and  passim.  3 i; cf. 45, 4. PN 197, 198, 203, 277, 300, 362, 398, 488, 516, 532, 533, 566, 581, 614, 615, 687 - 695, 713, 747, 749, 787 nom. dei: 27 iv; cereal products: 30, i; cf. Int. V, B 2 ii end; of a field(?) ibid. J ii end; in nom. loc., ibid. P 10; name in 69 ii 6, school; fish, 234 i. UD. UD: PN 230, 648. 115, 2.	
198a		20;  19 i. PN 119, 336, 653. itu-ta-è: 18 iv. še-è: 20 ii. numun-è-a. 2 iii, vi (later).	
198b		103 i.  373 i. Int. V, G.	
199		169. school. 18 iv (see S. 198a). There are no month names. S. as JN 17) and F. Sch. 7 vi 25. In the early dynastic period, (Int. V, end) S. resembles UD + MAŠ : origin of UD + BAD, Agade The gunu forms which appear in JN (JN 66) and again in Agade do not appear at Ur III Dyn. III.	
200		93 iv (PN 25).  330; cf. 323 (sealings). cf. REC 541 ter.	
201		65 i (PN 792). 112 v 7 (Int. V, M 53). 328 sealing: cf. 317, 332, 333.	
202		365 (of fields)  324 (sealing): PN 531.	
203		1.	





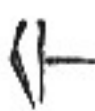
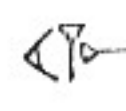
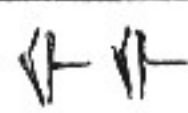

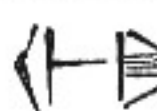
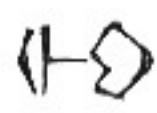
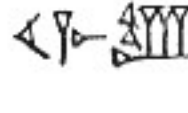
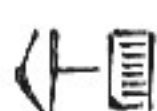
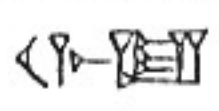













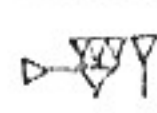

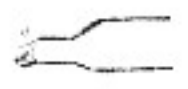



204		passim. PN 19.1, 217b, 241, 641, 653b, 675, 777, 781. Descriptive of fields: Int.V, J ii; of baskets, <i>ibid.</i> E; offerings: O i. 283 ii (school). 362 i (frag). U14896  (place name?).	
205		182 ii,  177 iv. S = la according to OBI 91, and in both places can be la, phon. comp.: PN 767b, PN 554. Cf. S. 287 f.	
206		272 i (school).	
207		19, accounts. 234, fish vocab. PN 227, 345, 795. Occupations: Int.V, M 10 [prob. written PEŠ], 47, 73. Frag. 78,1, and 158 A (re cereals?).	
208		19 ii 3 (fish name: Orient. 22, 42).  112 i (cf. PN 758). Cf. HA'-A and A.HA', 112 iii, v: Int.V, P12: šubaru (S. written  ).	
209		19 ii 5.	
210		19 ii 6,  234 ii,  167,  177 v, etc. In fish account 19; fish vocab. 234 ii. peš-dù: Int J(ii). PEŠ for HA in 356 i, 112 iii, v (cf. S. 207 f.): and HA for PEŠ in 201 (peš-dù)	
211		234 i 3, 4 (vocab). F 352.	
212a		87 i (PN 536).	
b	 ?	296 i (PN 788).	
213		40 iii. (PN. 789, 805).	
214		234 i 7, ii 2 (vocab). F 226.	
215		234 i 2 (vocab). F 227.	

216		234 i 10f. In F. duplicates the S. is F. 219. The present S. probably had inserted &e or similar (traces probably visible when first studied).	
217		14 ii = 299 i 8  (vocab) PN 309, 641, 695.	
218		209. Cf. Hoffman iii 2  ?	
219	 ?	4. Cf. Hoffman iii 1 	
220	 	168 ii 2 ? (cf. PN 414). Cf. JN no. 94  Cf. S. 306; and S. 130? 212 i 1. Cf. JN no. 139 i 4  ; F. Sch. 33 iv 5f. Variant forms of lagar? (Int. V, M 21). For the variation cf. e.g. signs 228 ff.	
221		285;  112 iv (PN 598);  3 ii (PN 520).	
222		PN 16, 207 239?, 403, 413?, 465. In 72 (PN 239, PN 413) apparently  ??	
223		1 (sealing). ba-bar? (cf. JN no. 22 ii 5b  ; and 151 ba-bar).	
224		etc.  310 iv (later). PN 47, 490?, 526.	
225		PN 4, 57-61, 71, 77, 78, 136, 147, 230, 282, 500. 283 ii (School): LUL+UDU - abzu.	
226	 	5 iv. Cf. JN 234.  115; 247 iv.  308 (later). PN 151, 276, 327, 732. Accounts: 115. U. 14896: SU=zu will suit: PN igi-gal-gal-zu. Cf. RA 24, p. 28: 	
227		sign(?) on 253 rev.	
228		1 (sealing);  ;  ;  ;  Also written as KA (as in JN):  64; cf. 63 (S. 233); 92 ii 3 (cf. PN 744). With DUG and KAs (Int. V, B ii 4); sag-gal (L ii); sag-tun (H 2, M 59); ne-sag (O ii). PN 34, 38, 39,	



		69, 199, 251, 257, 272, 365, 484, 523, 556, 559, 560, 605 - 615, 670, 738 - 747. 272 ii (school).	
229		5 i;  92 i;  93 v;  171A; etc. (variation in nearly every example).  320 (sealing). PN 235, 243, 410, 411, 412, 437, 628, 652.	
230		87 ii: perhaps ligature of lagar and é: cf. PN 117, (98).	
231		etc. udu-Kú: 186 ii; with še and ninda, Int.V, B. KÚ.KÚ: in PN 405. nig-Kú: 18 pass; 66 iv; 159 ii.	
232		143 ii not for NAG, but a...sag: PN 39.	
233		3 i;  7;  298;  310 iii 63 iii,  63 v: prob. sag (cf. JN 165) (later). PN 18, 19, 116, 247, 374, 376, - 386, 475, 668 f. 773. S. 198 b. zú-lum (310 iii).	
234		278 i: PN 215.	
235		112 iii: S-é-Kur. F 325.	
236		1 (sealing);  76 i;  101; 167;  53 iii; etc. 40; cf. 41. PN 25 f, 426 - 452; and in Legal, lú-gal: 23, 73, 181 f, 205, 458 - 492, 736. Titles: Int.V, M 22 ff.	
237		196 C = F 339. With this may be compared b.  93 i 9. c.  257; cf. 3 i. d.  63 i; cf. 124 ii 1. Cf. PN 453 - 457.	

233		93 i  185 iii. cf. F 343. PN 52, 790.	
239		242 ii: PN 196. 299 ii (school). 323 (sealing). 157.	
240		PN 108, 233, 365 — 370, 421, 535 (?), 742. igi-nim. Šà : 252 iii.	
241		PN 367 f.	
242		255 i and often.  283 ii and often. igi + bur. 40 times. Cf. igi-bur: MI, II 13; F Sch. p. 27 VII 1. PN 17, 94, 114, 175, 266, 359 — 364, 397, 503, 625, 667.	
243		pass. PN 483, 517, 529, 711 — 713.	
244		252 iii: PN 533.	
245		PN 494(?), 640; and PN 419, 625 (unless sig is an addition to the names: cf. SL 351, 6).  (?) 329 sealing.	
246		63 iii 5: cf. PN 695.	
247		PN 31, 297, 374, 554, 604.	
248		3 i;  58;  168 iii 2. PN 119, 791.	
249	 	31,  70 i, and similar. Cf. JN 285 f. 72 ii,  85 iii, and similar. Cf. F. 462. Always forked, except 2 iv (F type). PN 131, 187 f, 245 — 249, 398b, 578, 727. Reeds: Int. V, E.	
250		319,  318 (sealings: not clear: cf. Pennsylv. Tab., BS IX 1, no. 1, 114 III 5  ?).	


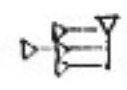

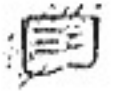




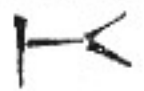
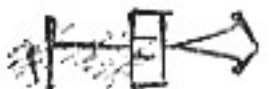
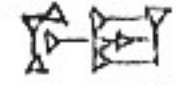


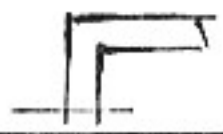
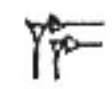
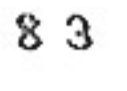

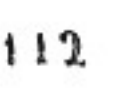
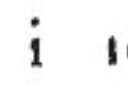
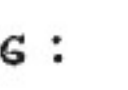
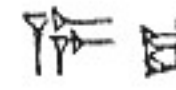
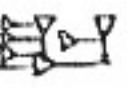
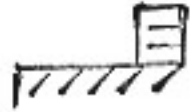
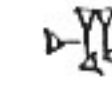
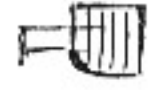

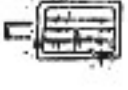


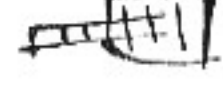


251		256. Cf.  223,  237 (contexts similar?). Cf. JN no. 30 i 4  ; Uruk, Zweiter Bericht...p.29, i .	
252		251,  290, etc.  143 iii 4. PN 233, 281, 283, 339, 445. tug-bar: 251. With ganun: 223. edin-bar: Int.V, M(?) With iku: ibid. J(vi). S.198b.	
253		112 i 7 : ma--kur (possibly place). Cf. RA 1917 93; OBI, II ii 6.	
254		65 i (PN 792). [Ka-aš-bar-bar (pārisu)?]	
255	a.	19; etc. This is the commonest form. b.  25 i, etc. Cf. F. 464. c.  209. d.  37 ii,  69 iii (both school). Cf. JN138. Reeds: Int.V, E. PN 27b, 70b, 81, 215, 289, 290, 328f, 422, 524, 681. Titles: Int.V, M 9, 51. anšu-DUN-GI: 127 i; UDU-gi: 69 iii. Unit of numeration for fish: 19 pass. [cf. Deimel, Sum.Gram. 207]	
256		34 ii (PN 319).  262 ii (School).	
257	a.	17 iii, etc. b.  55 ii. c.  61 ii. d.  248 iii; 177 iv;  166. PN 291, 488. god: 17 ii. é-ga-gi: 166; Ki-GAR-gi: 18 iv. In accounts with ninda (55 ii), Kás (61 ii) and še-numun (177 iv).	
258	a.	71 i, and commonly. b.  259 iii, etc. c.  73 and often. d.  65 ii. [Later forms: 2 iv, 310 iv] PN 46, 53, 207, 278f, 354, 498, 528, 542, 565, 615, 630, 657, 672, 694, 704, 714f, 756, 765-767b. Titles: Int.V, M 30, 63.	
259		274 ii and similar. PN 543, 767.	

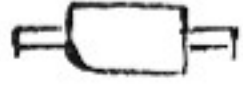
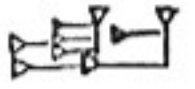

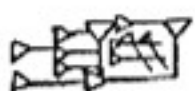
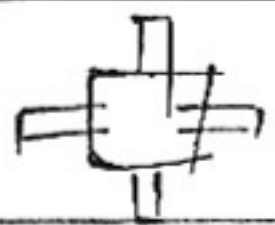
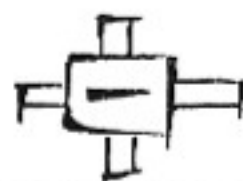
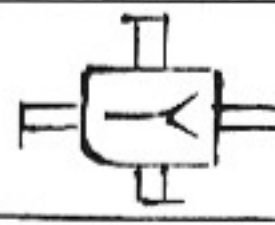
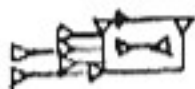
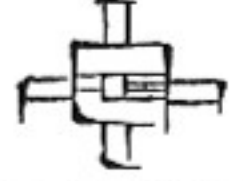
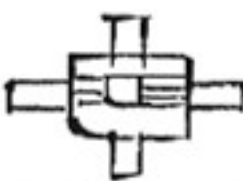
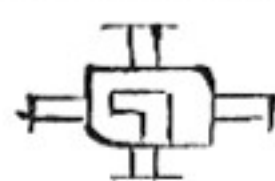
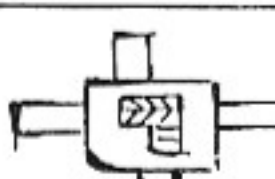
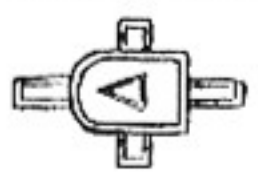

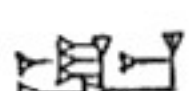


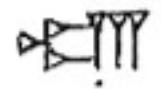

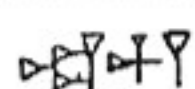
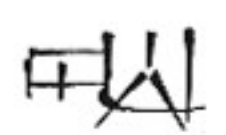
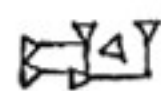
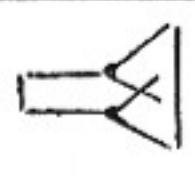

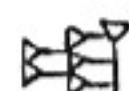

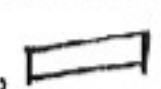

260		and similar. PN 153, 174, 232, 246, 351-355, 392, 474, 731: and see S. 13.	
261		252 ii.  297 iv (school).  87 iii.  309 ii (later). PN 31b, 373, 447. 309 ii: S-erin.	
262		85 i.	
263		322 (sealing). 248 ii (PN 356).	
264		283 i (school)	
265		30 passim; 16 i. Int.V, A(1). PN 240.	
266	a. b. c.	123 ii,  13 i; and similar. (2 iv, F. type). 143 iii. Two forms of sig: cf. PN 191 with PN 217b, 384. Cf. JN 385, 384. U.14896 (joined with é): prob. also sig: cf. JN 385 (no. 139 i 3). PN 190 fol., 217b, 641, 702.	
267		182 B: qiš-gigir-nun (school)	
268		283 iii (school)	
269		probably sil, lamb: Int.V, A 3.	
270		101 i: PN 600. S = JN 256.	
271		85 iii, etc.  175 ii.  63 i.  329. Int.V, J(i), P(ii). PN 611.	
272		passim.  63 ii (cf. JN 242).  347. Int.V, A(1). PN 47, 66, 67, 140, 204, 212, 265, 269, 270, 396, 423-425, 476, 522 f., 534, 696-703, 782. 69 iii, 297 iv (school).	
273		23 i,  235 ii, etc.  109 i.	



		310 iii (later). PN 19, 43, 70, 223, 331, 372, 399, 418, 518, 710. é-ra: 23 i, 138 ii. Šer-ra: Int.V, J (iii); Ki-gar-ra (ibid. Lii); Šar-ra: 226 iv, vi.	
274		16 i: sheep accounts.	
275		237  310 iv (later). Int.V, A (2).	
276 b.		209 i (giš-gi-gid-uz). 350 iii (PN 489). (?) : 87 iv.  (?) : 159 i. (PN 40, 340).	"
277		234 i (fish). 357 ii (S-ma : PN 793). 364 ii : nu-S. S = F777. Definitely pisciform: meaning <u>ram</u> (cf. F777; SL 122 b, 1) difficult: confusion with JN 243?	
278		364 ii.  274 ii, etc. Cf. F765. PN 706 f; titles: Int.V, M75.	(109)
279		etc.  162 ii. F175. Int.V, M80.	
280		Always with rounded corner, and distinct from S.339. PN 69, 576, 685. sag-tùn: Int.V, H2, M59.	
281		273 i,  53 iii. PN 53, 491.	
282		63 i: PN 795. F477.	
283		177 i: PN 592.	
284		passim. [360 ii  ?] PN 38 f, 484, 716-752.	
285		80: udu-ur <sub>4</sub> . PN 141 f.	
286		128 iv: pisan-S. PN 236. etc., sealings 1, 319, 329. Simpler form of the following (cf. variants in PN 236)	

287		183 and similar. Cf. S.205 and S.286: all three LA. S. is very near to archaic GUG (S.288): seed-pod. From this LA (with meaning <u>full</u> ) is derived? PN 236-238, 332, 349, 735. 112 iii mid., 155 (fragm.).	
288		281 iii; cf. 34 i.  67 i; cf. 37 i. Cf. JN no. 6A, iii 3. Int. V, C and M 9, 14.	
289		 PN 28, 126, 127, 142, 183, 235, 251, 270, 296, 333, 431, 441, 454, 477f., 500-523, 554, 584f., 587b. Šu-me (Int. V, F); Titles (ibid. M 9, 54); frag. 258; school: 297 iv; 310 iv.	
290		14 i = 299 i (according to F dup). cf. JN 316	
291		53 ii. (no well preserved examples). Int. V, M 4 f. 14 iii (according to F. dup).	
292		29 i after ziz; 83 i with še. 132 i with numeral (minus). In words la-zabar, nig-lal: Int. V, H. PN 268, 383, 509. 162 (broken)	
293		297 i (school): PN 122.	 ?
294	L ?	83 iii with še, =  (ibid. i 4)? Cf. JN 410.	
295	 ?	112 i 16: usar (with  =  as L =  ?). PN 758	  ?
296		etc. PN 10, 100, 230, 282-300, 431, 515, 587b Of land: Int. V, J iii; Titles: ibid. M 9 f. 69 ii 6: School.	
297		and the like, passim. 324  sealing; cf. U.14896  (?). PN 253, 442, 443, 524-536b.  3 ii (also = mes?: but cf. F608): PN 530.	
b.		47 i: PN 428 (poss. for mes: cf. PN 442 f.). Uncertain DUB for mes in 5 i 4 (PN 534). MES possibly for dub in é-MES (Int. V, Lii; but v. note).	



298		In names of feasts: Int.V, N. PN 169 f., 303; cf. Int.V, M 68.	
299		299 iii (school). Var. of F 616.	
300		9 i. S=F.Sch. 55 xi 20. PN 492.	
301		247 iv. F 618 PN 276.	
302		255 i: ganun-S. kal. 348 pass., with zì, meal.	
303		188;  235 ii, iv; etc. F 622. Int.V, M 56.	
304		252 iii; etc. cf. F 621. PN 200.	
305		43. PN 201.	
306		U.14896.	
307		368, etc. Always with -ra. PN 70. Int.V, J iii.	
308		255 ii;  66 ii; etc. PN 310-313; Int.V, M 11.	
309		11 i, and similar. PN 705; Int.V, M 74.	
310		201 iii, etc. Origin of AL (implement + KUD/TAR). Concerning fields: Int.V, J ii. é-al: <u>ibid.</u> L ii (cf. F, PN é-al-la). PN 784. 204, frag.	
311		63 v; cf. ii(?).  101 i 101: logs. PN 62, 718.	
312		 . Same two forms JN 405. Trees, wood, reeds: Int.V, E and D. giš-gigir: 182 B. PN 167, 327b-337, 589 f., 666. giš-bàr: 230 ii.	





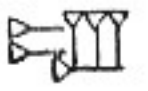


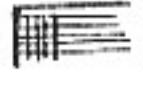





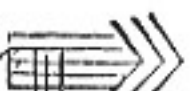
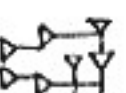

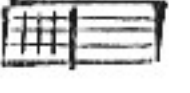
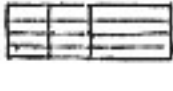

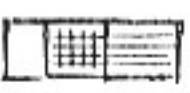


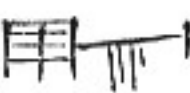
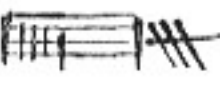
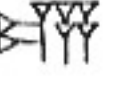




313		283 iii (school). [qil-tenū].	
314		; less often joined:  . Also  (as F). Int.V, D(3). PN 12, 64, 106, 317, 318, 432, 622, 665.	
315		18 iv.	
316		14 iv. Cf. dup.F. Sch.33 III 18, 35 II 4; F 632. geštin - dul?	
317		,  . Buildings: Int.V, L ii. PN 102, 238, 304, 308, 468.	
318		142 ii. Buildings: Int.V, L ii. PN 105.	
319		3 i 1, ii 7; ( ii 6); cf 363 i 4. Usually ,  , and the like. Enclosing sign never exactly pisan (as F 675), and never pointed as in JN period (JN 295). PN 76-144, 244, 578, 603.	
320		142 i 1.	
321		76 1 : cf. PN 472.	
322		Suppl. 16 v.	
323		300 ii 1 =  14 iii 2. F dup. = F 686-me.	
324		14 iii 3. F. dup. = F. 691-me.	
325		93 iii, etc. PN 29, 128, 479.	
326		133. Usually  . Attribute to various com- modities: meal, bread, beer, ropes: Int.V, B(2) i, ii, iv; H(2). With ganun-bād: 255 i; with ezen: 192.	
327		4;  112 i; 168; (72?). Later = S. 326 (REC 421), but here distinct. PN 155, 239, 413, 420, 721.	"



328		274 ii : . PN 146.	
329		309 i. Apparently simple form of simug, S.93: but in Clay, M 12 vii 5 it corresponds to F.dup.(Sch.75 v 12)= S.377.	
330		115 .	
331		pass. In gú-an-šù: 113 D, 127, 147, 163, 164, 184, 356, 359, 364f, 371 (all iku); 297 ii(school); 21, 166. PN or title: PN 339, 341, 473, 592; Int.V, M 13. Vegetable(?): 4. Of wood: 251; 241. Of goats: Int.V, A(2). Frag.: 150.	
332		327 (sealing). Cf. F 545 ?	
333		pass. Int.V, L i. PN 55-56b, 76, 242, 458, 465. Vegetable name: Int.V, C; fish name: 234.	
334		U.14896 (PN 787b). Prob. AB+AŠ(F 540/1). Enclosing S. as REC 550bis.	
334 bis		338 i: PN 186.	
335		27 v; PN 576.  159 ii (Int.V, M 15b). S. 43.	
336		,  . PN 42, 143, 333, 486, 487; title: Int.V, M 10. d.nin-uru, 105 i.	
337		2 i, ii (F. type). = PN.	
338		127 etc. Int.V, G. PN 757.	
339		Always with corner not rounded: contrast S.280. Int.V, M 45. PN 319b, 435. 134 i, ii (School).	
340		88 i.	
341	a.  b.	226 i;  199 iii, iv;  281 ii(?). 185 ii;  109 iii;  113 B i;  344; 297 iii.	

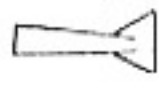

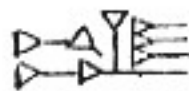



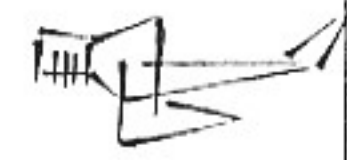
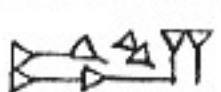



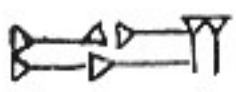
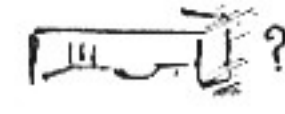




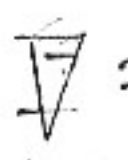

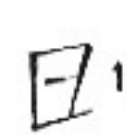
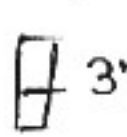



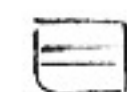




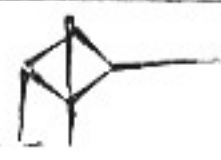

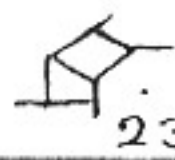

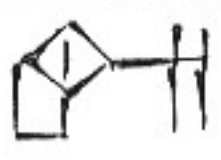
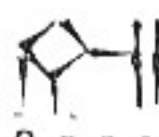
		$a = b$ : cf. PN 206; phon.comp. $\underline{ra}$ in 199 and prob. 297. PN: 43, 206, 582, 717; Int. V, M(2).	
342		318 (sealing).	
343		PN 22, 26, 180, 294, 415, 416, 438, 439, 510, 609.	
344		349 iii: lú-Kás(?).  259 iii: sal-Kás(?). Int. V, M 28, 63.	
345		84 ii 6 = F 578 (unless S.343 is intended). PN 797	
346		18 iv;  19 i;  139; etc. PN 72, 299, 388 f., 544, 653. an-ta: 63 vi. 310 II 2 (later).	
347		233. Cf. Hoffman I 3.	
348		passim. Int. V, B(2) iv.	
349		96 ii. Var. of S.348.	
350		passim. Int. V, B(2) iv.	
351		38; 54. Var. of S.350.	
352		337 (sealing).	
353		62 i, ii. PN 671 f. II i [cf. Int. V, F]. In 162 vi = bappir: cf. foll.	
354		219 and similar. Int. V, B(2) iii.	
355		64. Arch. var. of S 354.	
356		134 iii; 234 ii (fish); 299 ii: all school.	
357		13 i;  30 i, ii;  86 i;  264; 339 i;  357 iii; etc. Later form 69 iii  (school), and 14-5 i (dubious). PN 28, 121, 177, 183, 401, 402, 441, 743, 771(?). 209 in tree name. 69 iii, 264 i, 299 i: school.	 -



358		162 passim.	
359		57;  66 i;  112 ii mid. PN 133	
360		310 iv (later). 243, 4 (?). PN 575, 603(?).	
361	 ?	281 ii (?): PN 743.	
362	 	89 i 4 (frag). 105 i (nom. dei); 143 ii 2 (PN 209); 230 ii (giš-bàr).	
363	 	202 ii. Cf. Int.V, J iv. 248 iv: PN 733.	
364		244 (prob. = S 363; cf. variants of S 362). PN 733.	
365		and the like.  1 (sealing); cf. 322, 328, 333, U.14896. Temples, etc.: Int.V, L (ii). PN 7-9, 48, 93-98, 162-167, 195, 261-280, 286, 429 f., 465-467, 505 f., 621, 771(?): [cf. Int.V, L iii, O(3) iv].	
366		78; 104 iv, v. According to TSBA VI 454 = lll. Cf. F. Sch. 20 rev. ii 15. PN 125 (where however it could be var. for é: PN 98).	
367		1 (sealing). Usually  , etc.  357 ii.  2 iv (F. type). (= JN 386). PN 20, 29, 65, 89, 118, 199, 387, 506, 642, 660, 666; and some fragments. 19 iv: bird name (cf. F. Sch. 58 x 21).	
368		and similar:	
369		and similar. Also defectively (by one scribe?): 341 i, 358 ii, 371 i:  S 368 and S. 369 are used indiscriminately in the same PN and other terms. PN 171, 179, 305-307, 364, 366, 381, 405,	

		507, 531, 588, 601, 638, 650, 682, 698, 765, 767, 782, 799, 800, 803. ga-gal: 14 ii, 199 i (School). (ga'n-)ga-Ki: Int.V, J i. Names of buildings: <i>ibid.</i> II In titles: <i>ibid.</i> M 49 f.	
370		74 ii; cf. 17 i;  112 iii; cf. 34 ii;  91;  248 iv; cf. 62 ii;  143 iii;  339 i; etc. S. analogous to S.383 (aromatic), with gunu lines on the left (as in 143 iii: cf. JN 107-110, 329 ff.). Cf. also S.405 <sup>S.410.</sup> edin-bar: Int.V, M 7 and add. note. PN 99, 281. Kuš - edin: 115 i.	
371		99 ii, etc.  70 i 5 Int.V, M 66. PN 189, 632, 634, 673. šid-ag: 51 ii, 66 ii, 360 ii.	
372		310 iii, iv (later).	
373		310 ii (later). 264 ii 1 (according to F. dup)	
374		etc., pass. (with thick end of stroke at the heel). 320 (sealing)  .  (in UD-DU, 19 i) is left foot? PN 56b, 129, 240, 262, 287, 288, 350, 394-396, 495, 686. ni-tum: 7. 112 i 12 (place name). 310 ii (later).	
375		36 ii, etc. 310 v (later):   . PN 170, 327, 646.	
376		70 ii. PN 303, 320, 603.	
377		257, etc.;  47; 281 ii;  92 ii;  54; 309 ii;  93 iv;  181 iv; etc. Always with S.103b (BIL-PAP). Corresponds to G18 in F and subsequent orthography (cf. PN 601 with PN 589, F period). (S. approximates nearly to G18 in 151, 259 ii 12.) PN: as under S.103b. S. perhaps signifies an instrument	


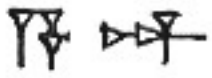










		connected with fire (cf. S. 329)? (JN no. 165:  )	
378		163 ii; cf. 226 viii. PN 608, 684.	
379		37 iii.  345 i (PN 154).	
380		308 (later): PN 732.	
381		26 ii, etc. PN 15, 224, 230, 550.	
382		67 i; 103 ii. Int. V, D 6.	
383	 ?	109 i 2 (PN 769). Hardly mah?	
384	a. 	62 iii, etc. b.  209 i. c.  218 (also KU: cf. PN 347): 252 ii 10, 273 ii, 352 i. Cf. 98 iii 4; 2 vi (F. type). d.  12 i,  261 i. Also ku: cf. PN 406; and intermediate forms  153 ii,  193A,  371. PN 331, 347, 403 - 404 b, 406, 527, 561, 626. e-ku: 98 iii 4. Tree name: 209 i. KU.NITA (Kala): 352 i.	
385	a. 	usually. Also b.  251. c.  129. garments (school tablets): Int. V, H2. PN 37, 399, 629, 658 b, 683, 803. túg-ga: 14 ii = 299 i (school). PAP-TÚG: 353 i, ii.	"
386	a. 	b.  Int. V, B(2) i. PN 280, 327, 354, 443, 449, 659, 728. gú-an-šú: see S. 331.	"
387		, 37 i;  55 i. Int. V, B(2) i.	
388		etc.; also  143 i. Cf. JN no. 135 i  PN 88, 115, 234, 373, 463.	
389		etc.; also  28 i; 62 ii. PN 321, 371-373. S. 388 = S. 389? Cf. PN 373; and im-gíg in 115, 234, 371, 463.	"

390		65 i ;  112 ii(end);  40 iii ;  261 i ; 299 i ; etc. [ Supp. 2 iv:  ] In PN 642 f., 789 ; and occupations, Int. V, M 17 a, b, c, 18. S. is apparently used for <u>SA</u> (= S.gunu) in 261 i (cf. S.131). S. is probably equivalent to  in 112 ii (KA <sub>4</sub> -[ŠU]-DU). S. and S.139 are not used indiscriminately: only the latter as measure, and in name of a feast.	 
391		163 iii, = PN?  262 iv (school). S=F 489 + TUG, as in F.Sch. 75 i 1.	
392		PN 255, 315, 398c, 655, 715, 757. Sealing: 332. peš-du: Int. V, J ii.	
393		21: subject of account. PN 338. [S. not  as F. and subsequently: cf. JN 304  ?]	
394		41 i : PN 488.	
395		65 i 1 ; cf. 212 i 2(?). PN 802 f.	
396		and similar.  133. ninda, passim. Int. V, B (2) ii. gar: buildings: ibid. L ii. nig: ibid. H(1), (2); M(49), (50); nig-Kú: S. 231. School frag.: 159 ii. PN 267, 447, 469, 489, 530, 566.	
397		PN 258, 273, 311-313, 617-631, 701. Title: 9 i 7. Animals: 16, 19 v(?).	
398		<sup>50</sup> 52 ii ;  259 v ;  93 ii (S. Ki)	
399		199 iv ( PN 27). In S. 150.  143 ii (PN 178).	
400		89 ii: Title.	
401		Goddesses: Int. V, O. PN 242-244, 571-577, 723-726. 283 iii (school).	











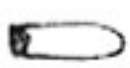

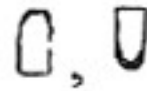
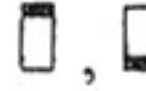
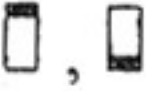
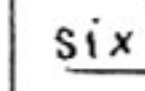




402		34 ii; 124 ii. Cf. JN no. 35 ii; R. msc. 16, 3. PN 273.	
403		PN 159, 253, 804.	
404		226 viii, etc.  83 iii, etc. PN 137, 214, 284 and S. 242. Same var. as in GAR. S = GAR gunu. Cf. JN. 74.	
405		49 i (with Kás).	
406		PN 16, 28, 56, 139, 306, 349 f., 382, 386, 390, 475, 495, 541 b, 561-565, 693, 700, 767 b, 769 oil: 52, 149(?). uradu-zal: 127 i4, 373 i4. ni-túm: 7. 283 ii 1 (school). 238 (frag).	
407		47 ii: dàg in PN 218 ? 168 ii 2: dàg in PN 414 ?	
408		180 ii,  366 ii,  U. 14-896. Title: nagan.	
409		etc. 13 ii  (written over edge of tablet: abnormal). PN 15b, 129, 256, 564 (transcribed conventionally "NI+TUK", but second part not TUK: perhaps S. 281 without the foot).	
410		11 ii.  338 ii (PN 186). [Forms of MUN analogous to F 55, 56? Or second S = S. 370? With first S. cf. S. 405.]	
411		142 i, etc. PN 227, 375.	
412		18 ii, etc. Prob. a form of IL: see Int. V, M 15b. Cf. also S. 108b.	
413		9 ii, etc. 1 (sealing): B. 2 ii (Ftype):  S = F 527. Cf. JN 346. Title and place: Int. V, M 54. PN 54. Frag. 75.	
414		PN 450, 457, 753, 755. Int. V, M 76.	
415		1 (sealing). Cf. JN 347. Usually  PN 193, 256-259, 318, 342, 355, 385, 411, 437, 577, 707, 740, 748, 763, 785. nu-banda: Int. V, M 36.	
416		and similar. 3 i:  PN 1-54, 64, 195, 236, 346, 375, 388, 508, 696, 717.	

		GÍD.A, TAG <sub>4</sub> .A: Int.VI.      Fields: ibid.V, J i. School: 283 iii 2 (?); 297 iii.      2 vi; 310 ii, v (later).	
417a		357 ii: PN 660.	
417b	 ?	83 ii (Confused): ? = a + šeš (salt water), PN 389 (cf. PN 388).	
418		112 i, iii; 168 i; 171 i;  75; 259 ii;  112 iii;  298.      PN 72, 187, 372, 409, 690, 691, 710, 755.	
419		323 (seal impression).	
420		324 (seal impression). = amar in PN(531) ?	










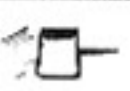


## NUMERALS

## I. Pure Numerals

a = b		
A	 	<u>one</u> , passim.  298  132(-1[duq])
B		<u>one</u> (sheep): 7. [Barred signs mostly in System II: v.inf.]
C	  	<u>ten</u> , passim. [In 225 apparently units precede tens. Cf. also 51 rev.?] <u>b</u> (2), theoretic analogue to <u>a</u> , is rare: supplied from 185(gur).
D	 	<u>sixty</u> . Cf. total in 21 (prob. 287+160+88 = 535). Other examples perhaps: 39, 97, 112 rev., 221 (barred?), 228: but more common sign is the following.
E	   	<u>sixty</u> : written in pairs,  etc. (Single: 71(?)  ). 60 x 2: 66, 88, 100 60 x 3: 25, 55, 65, 256 60 x 4: 19, 55, 66, 100, 256 60 x 8: 114 60 x 10: 19(?), 178 60 x 17: 88 Thus a particular sign for six hundred was not generally used.
F		<u>sixty</u> (barred): 166.
G		88 ii 4: following traces of eight or more sixties. Probably <u>six hundred</u> . If so, the same tablet contains both a longer and a shorter writing of six hundred. Cf. longer and shorter writings of ten bur in System III (10 bur = sign III-H and also sign III-G repeated 10 times).
















## II. Measure of Capacity

A		 and  , 29.  , 1 Ka, 226 vii, viii. But in 18 iii 3 Ka numbered by numerals G.
B	 	Fractions are rare. (a) 83, 162 v, 258 (   ), [134 iii 2 (school) belongs here?] (b) 32, 339 i, 341 ii, 348. Fractions of the gur. Less than half? (cf. c, D, F).
C		37 ii (school): with ninda.
D		37 ii 2, 135 i 1, 162 vi (here seems distinct from B, and greater).
E		340.

F			83 i: greater than B.
G			one gur, passim.  written in 85 iii, 276. Irregular writing: 6; 35.
H			etc., one gur (barred sign). 23, 32, 66, 132, 133, 136 bis, 182, 183, 185, 198, 212, 217, 218, 349.  In 183 the numerals are barred in col. II; not so in col. I. Col. II contains almost the same list of names as col. I. Thus barred numerals probably indicate a second consignment of the commodity. The same explanation suits 23 i (D e-ra, D e-ra), and 32 ii (DD, D, assigning barley twice to same individual).  The barred numerals occur mostly with reference to gur measure, but are possibly also as pure numerals. In 133 and 217 they refer to DUG, and are purely arithmetical if DUG indicates rather the pot than the measure of Kds.
J			ten gur, passim
K			etc., ten gur (barred sign). 29, 66, 68, 73, 77, 110, 133, 136 bis, 144, 162, 182, 183, 185, 195, 198, 212, 217, 286, 349.
L			numeral next above J/K. numeral J/K occurs in multiples of 6, 7, 8 and 9. L is therefore <u>hundred gur</u> . (a) 83, 86, 158(?), 162 vi 5(?), 228. (b) 205b.
M			Mb: evidently barred form of Lb: 185, 222. Ma equivalent to La; and perhaps takes the place of the barred form. [ does not occur] 29, 162 vi 6(?), 188. [Barred signs occur in context of first two: 188 is broken.]
N			numeral next above L/M. numeral L/M does not occur in multiples above 4. N probably = <u>six hundred gur</u> . 73, 158, 162, 176, 222.
P			N. barred 90, 144, 162, 185.
			All the documents which contain numerals characteristic of this system deal, so far as is indicated, with corn or meal: except 86 (še-ninda, taken to mean loaves: see Int. V, B 2 ii).



## III. Land Measure

A			— 27 ii : prob. <u>one sar</u> .      168 ii 4(?)      163 i, iii, iv ?
B			(?) 98 iv 3.
C			226 vii.      [cf. 98 i 5 ??]
D			20 ii; 108 i, ii; 226 i 1, iii 1, v 3. (If this is half-gan, the rent in 20 is on $1\frac{1}{2}$ gan out of 5 bur: = one-sixtieth).
E			passim. <u>one gan</u> .
F			passim. <u>six gan</u> .
G			passim. <u>one bur</u> .
H			<u>ten bur</u> : 15, 20, 27, 147. 163, 167, 201, 365, 371.
J			equivalent to H. 82, 102, 117, 127, 175, 356, 364.
K			In 122 numeral next above fourteen bur (G fourteen times); probably in 365 and 371 next above ten bur (H). The highest multiple of H/J is 4. K therefore probably <u>sixty bur</u> .
L			27 iv: numeral next above H or K: perhaps <u>hundred bur</u> .