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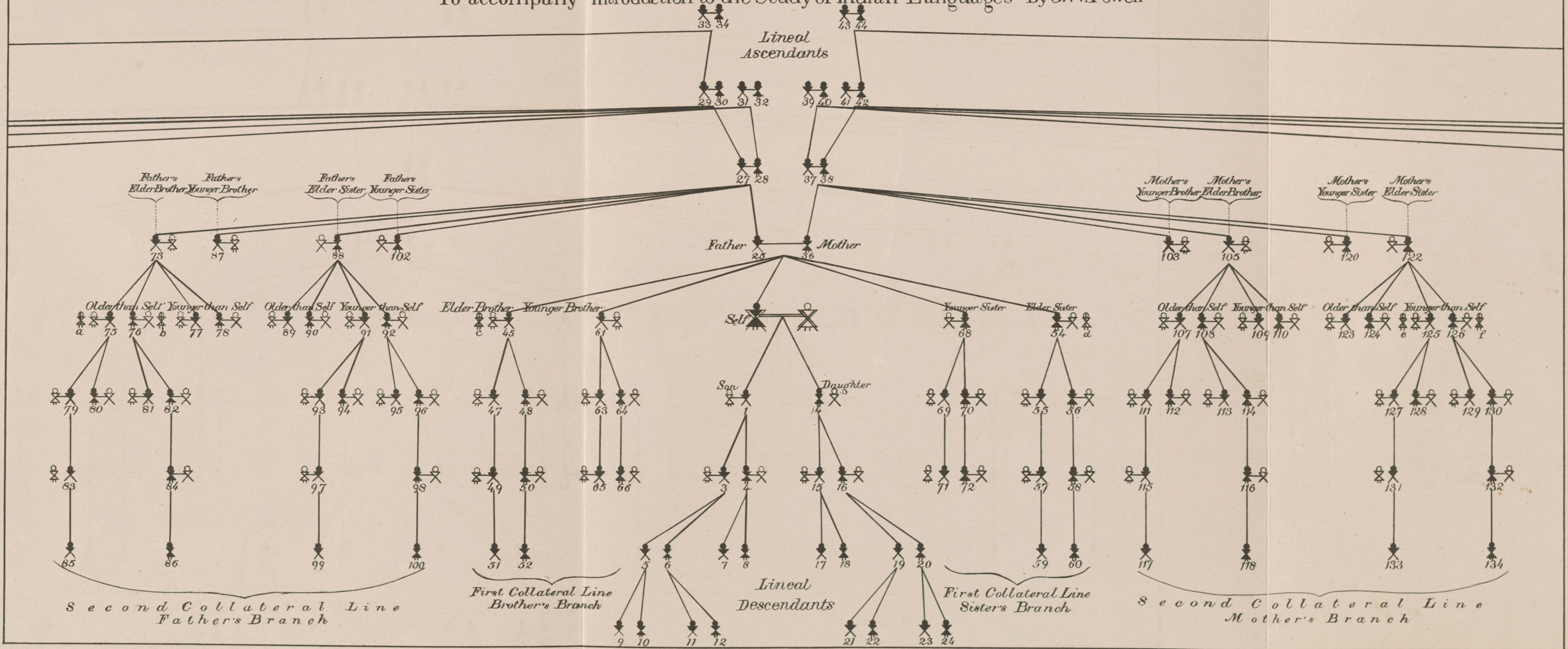
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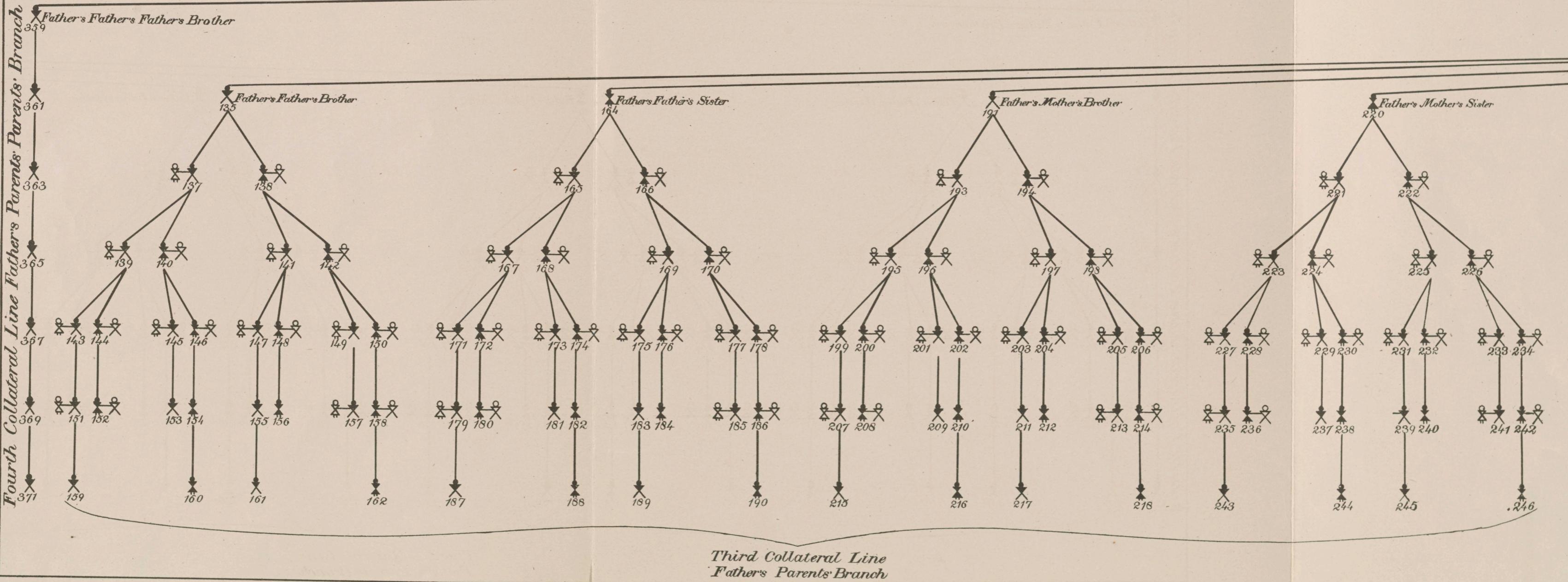
Kinship Chart № 1

To accompany "Introduction to the Study of Indian Languages" by J.W.Powell



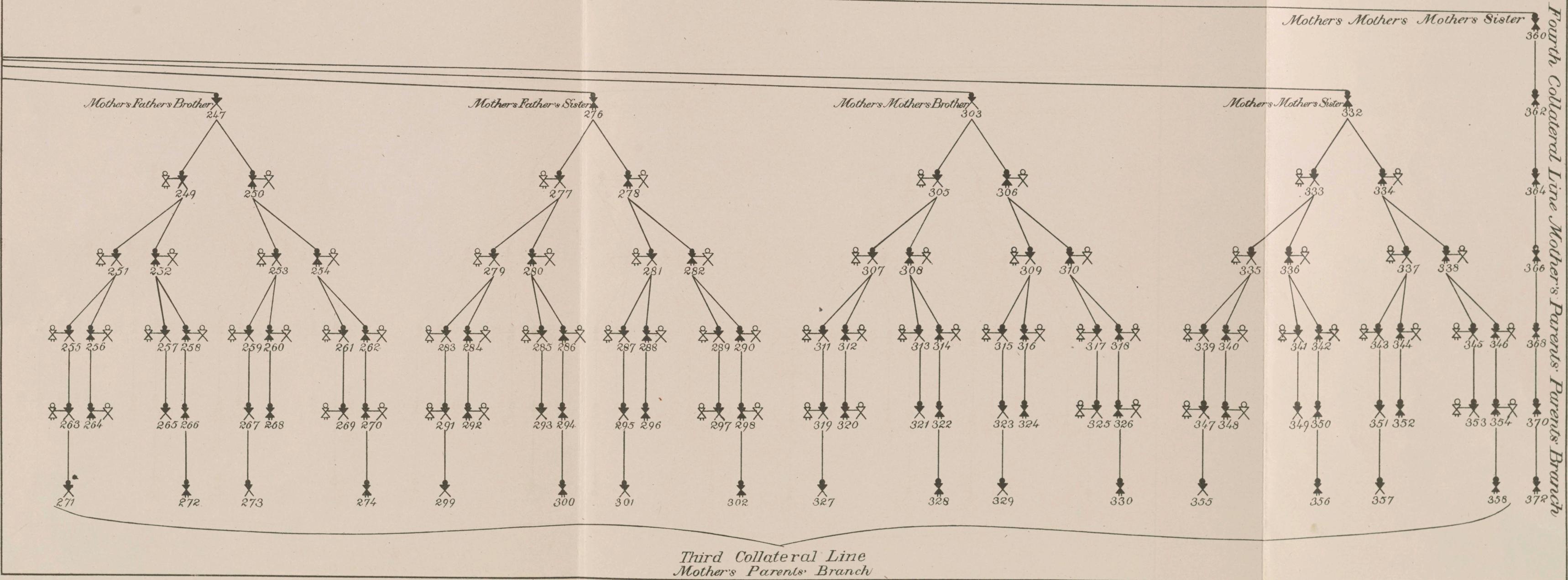
Kinship Chart
No II

To accompany "Introduction to the Study of Indian Languages" by J.W.Powell



Kinship Chart
No. III

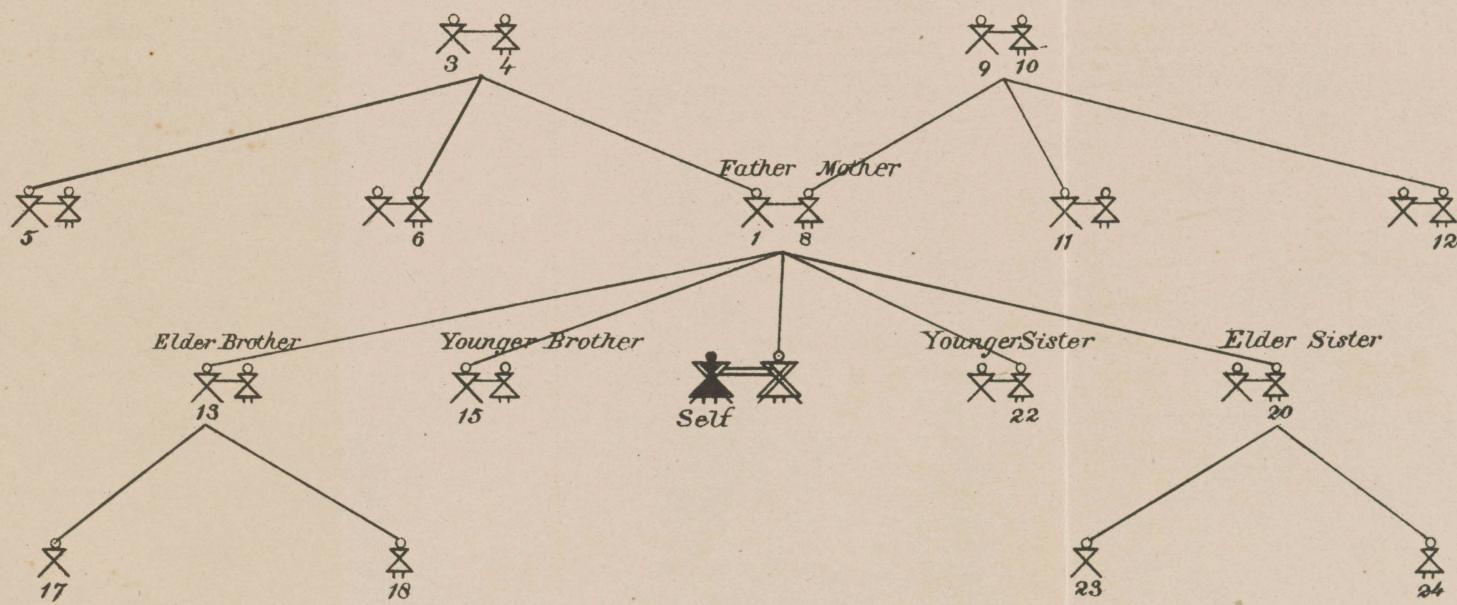
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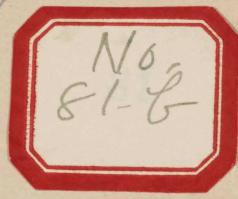
Kinship Chart

N^o IV

To accompany "Introduction to the Study of Indian Languages" by J.W.Powell.



(Texts & further material to be sent in mfr.)



316, 84, Oct 16

in sun. 24^{to}
Ms. 2^{1/2} 1896

copybook,
J. M. B. N.

48 P

Copy of

(DO NOT FAIL TO FILL THIS BLANK.)

Tribe, Lipan, of Tonne' family; Apache subdivision.
Locality, Fort Griffin, Shackelford Co., Texas.
Recorded by Miles S. Gatschet
Date of Record, October 1884.

III, IV

N.B. Among the nineteen Lipans then living with the Tonkawas at Fort Griffin only one was able to act as interpreter. His English and Spanish were so defective, however, that only the terms received in this volume could be relied upon as correct. He did not know, f.c.i., what the word basket meant, and several terms had to be obtained by using the Tonkawē language. The Lipans are now ^{being} removed to Iowa Reservation; I.T.; others are around Fort Sill.

SCHEDULE 1.—PERSONS.
(Carefully read § 1, Chapter II.)

77

ENGLISH.		REMARKS.
1 Man	tene'	
2 Woman	tcäkia''n	
3 Old man	hä'skeya''n	
4 Old woman	ëstsidani	
5 Young man	ëk'a & täñ, tä''n	
6 Young woman	téh' eyän, tékeya''n	
7 Virgin	et' et'ata kuyékäl	
8 Boy	ëshkeya''n	
9 Girl	ët' eta''n	
10 Infant	ëltcenä''n	
11 Male infant	ëltcenä''n éckeyä''n	
12 Female infant	et' ² eta' ëltcenä''n	
13 Twins	ëltce tactca-ä''n	"babies two together" (tacé together)
14 Married man	tene' beako'la''n	
15 Married woman	tcäkia''n beako'la''n	
16 Widower	tenä' báselä''n	
17 Widow	etsdóseslä''n	
18 Bachelor (old)		
19 Maid (old)		
20 The old people (of a tribe)	tä'stetcol	
21 The young people	kadja''de téna	
22 A great talker		
23 A silent person		
24 Thief	eshnä''-ä''n	
Horse thief	elen destä''n	

(cont'd)

ke-, prefix, in these words corresponds to our "somebody's," another's,

78

SCHEDULE 2.—PARTS OF THE BODY.
(Carefully read § 2, Chapter II.)

ENGLISH.		REMARKS.
1 Head	ké'tche, kétse / somebody's head)	
2 Hair	ketsé'ra	
3 Crown of the head	ketsé'ta	
4 Scalp	ketsé' hadjónaskiēc	
5 Face	kén'näi	
6 Forehead	ke'ka-e, kekárrä"	
7 Eye	kénddá-e, kända	
8 Pupil of the Eye	kendághéhe	
9 Eyelash	kenda'kraté	
10 Eyebrow	kendates	
11 Upper eyelid		
12 Lower eyelid		
13 Ear-lobe		
14 Ear	kédica, ketc-ca	
15 Perforation in ear		
16 External opening of the ear	ketce-áške	
17 Nose	ké'tchish	
18 Ridge of nose	kétcáinc betsekeshä"	
19 Nostril	kétcáincne	
20 Septum of nose	kétcáincne nanépaghe	(n. "partition")
21 Perforation of Septum of nose		
22 Cheek	kénátsé"	
23 Beard	ketara	
24 Mouth	ke'je	
25 Upper lip	kezápahé or kéta lakece	
26 Lower lip	kezápahé or kéta etlace	
27 Tooth	ké'ro	
28 Tongue	késate	
29 Saliva	hatéso	
30 Palate	keséti biyakota" "mouth its top"	
31 Throat	késo'l	
32 Chin	kesétsä"	
33 Neck	kekos	
eyeball	kedápahé	
point of nose	kétcáinc lá"	

30

ENGLISH.		REMARKS.
34 Adam's apple	kédo'ltéctce	
35 Body	kéb'les	
36 Shoulder	kéguos	
37 Shoulder-blade	kekástsái'	
38 Back	ketsékéghé'	and kéndecár <u>on the back</u>
39 Breast of a man	ketcete	
40 Breast of a woman, (mamma)	kepe'	
41 Nipples	kepe'	
42 Hip	ke'-ássta''	
43 Belly	kepe'	
44 Navel	ketrehá'te-e	
45 Arm	ke'kra'', kekána'	
46 Right arm	ke'kra'' tēcnánde	
47 Left arm	kekra'' t'lánde	
48 Arm-pits	kiká''sta	
49 Right arm above elbow	kekána' tsá'se tēcnánde	(or -di)
50 Left arm above elbow	kekána' tsá'se t'lánde	(t' explosive)
51 Elbow	kétsé'l	
52 Right elbow	k. tēcnande	
53 Left elbow	k. t'lánde	
54 Right arm below elbow	kekána' tsá'se kela tsá'nc	tēcnande
55 Left arm below elbow	kela tsá'nc t'lánde	
56 Wrist	kelatca''	
57 Right wrist	k. tēcnande	
58 Left wrist	k. t'lánde	
59 Hand	kä''la, kela	
60 Right hand	kä''la tēcnande	
61 Left hand	kä''la t'lánde	
62 Palm of hand	kela = tlaca''n	
63 Back of hand	kela = tlaciin keca''n	
64 Fingers	kela	
65 Thumb	keládjó	
66 First finger	kela betéltcete	

ENGLISH.		REMARKS.
67 Second finger	kéla	néshe
68 Third finger	kéla	mece - etinde
69 Small finger	kéla	- zhái
70 Finger-nail	kéla	* chá
71 Knuckle		e lateta
72 Space between knuckles	kéla	kiéc
73 Rump	kétlá	
74 Leg	ketcháte	
75 Leg above knee	ketsáske	
76 Knee	ketsásko	
77 Knee-pan	kekotás-ǟn	
78 Leg below knee	ketcakai	
79 Calf of the leg	ketcadje	
80 Ankle	tekéta-e	
81 Ankle-bone	kekétsān	
82 Instep	kéke	metsōnzān-e
83 Foot	keké	
84 Sole of foot	keké' = tlacǟn	
85 Heel	Kekékal	
86 Toe	keké coc = zhozhe	
87 Large toe	kekéto	
88 Second toe	kekénáshe	
89 Third toe	keké'náshe	beyérace
90 Fourth toe	keké	mece - etinde (-etende)
91 Toe-nail	keké' = cai	
92 Blood	kétel	
93 Vein or artery	ketsansé	
94 Brain	ketsáñzān	
95 Bladder	kélec	
96 Caul		
97 Gall		
98 Heart	kétcie	
99 Kidney	ketcárctcoc	

SCHEDULE 2.—PARTS OF THE BODY—Continued.

81

ENGLISH.		REMARKS.
100 Lung	kesöle	
101 Liver	kése, kísc	
102 Stomach	ketsvánta-e	x
103 Spleen		
104 Rib	kä'tcho^n, kä'tca^n	
105 Pulse	ketsás tetélkas	x
106 Vertebrae	ketcá^n -oran	x
107 Spine	kéghän	x
108 Foot-print	bekéke	
109 Skin	ki'nästle	
110 Bone	étsä^n	
111 Intestines	kízhie	
clavicular bone	ket'ac'l	
blood	te'l	
articulation	e late'ta	x
anus	kétsel	
ear wax	kedj'te'a ye toc	
snot, mucus	kenärä's	

SCHEDULE 3.—DRESS AND ORNAMENTS.
(Carefully read § 3, Chapter II.)

ENGLISH.		REMARKS.
1 Cap		
2 Tunic		
3 Breech cloth		
4 Breech-cloth belt		
5 Pair of leggins		
6 Pair of moccasins		
7 Toga		
8 Woman's basket-work cap		
9 Short petticoat		
10 Long petticoat		
11 Girdle	ses ; I put the girdle on	she' elase' ses I put the belton,
12 Woman's moccasins		
13 Garters		
14 Blanket	tce'te	
15 Robe of bear skin		
16 Robe of buffalo skin		
17 Robe of deer skin		
18 Robe of rabbit skins		
19 Robe of wild-cat skins		
20 Buckskin	epa	
21 Antelope skin	tcelaha' benästle	
22 Sheep skin	tseke' benästle	
23 Elk skin	tses' benästle	
24 Rabbit skin	kra' venästle	
25 Beaver skin	tcha' be nästle	
26 Otter skin		
27 Fringe of skin	enästle' nehästas	
28 Sinew	t'sa, t'sa	
29 Thread (of sinew)		
30 Thread (of skin)		
31 Head-dress of feathers		
32 Necklace of bone		
33 Necklace of bird-bills		

SCHEDULE 3.—DRESS AND ORNAMENTS—Continued.

83

ENGLISH.		REMARKS.
34 Necklace of bird-claws		
35 Necklace of bears' claws		
36 Necklace of shells		
37 Paint (black)		
38 Paint (red)		
39 Paint (yellow)		
40 Tattoo marks		
41 Pouch		
42 A ring	<i>elamétcí'</i>	
43 Barehead		
44 Barefoot		
45 Naked		
Hair-tweezer	<i>he'tsetá'n</i>	
I pluck my hair out	the átecme	
Tanned skin	<i>énástle</i> (the usual term for it)	
Deer skin	<i>kockeyé</i>	<i>énástle</i>

SCHEDULE 4.—DWELLINGS—Continued.

85

ENGLISH.		REMARKS.
34 Lodge (temporary dwelling)		
35 Doorway		
36 Smoke-hole		
37 Lodge-pole		
38 Lodge-pin		
39 Mat		
40 Bed	nde'	
46 Pueblo		
47 A division of a pueblo (one set of compartments constituting a communal house.)		
48 Family compartments (set of rooms for family)		
49 Give name of each room		
55 Floor		
56 Ceiling		
57 Wall		
58 Post		
59 Joist		
60 Lintel		
61 Doorway		
62 Wooden trap-doorway		
63 Opening for window		
64 Fire-place		
65 Chimney		
66 Permanent seat (masonry)		

SCHEDULE 4.—DWELLINGS—Continued.

ENGLISH.		REMARKS.
67 Stairway		
68 Ladder	has a'	
69 A stone	tsetsec	
70 Mortar		
71 Court		
72 Street		
73 Garden		
74 Irrigating canal		
75 Spring	ku = halaw	
76 Water	ku	
Rock the fire burns, blazes	tsene tsá ko' handatsea.	

SCHEDULE 5.—IMPLEMENTS AND UTENSILS.

(Carefully read § 5, Chapter II.)

ENGLISH.		REMARKS.
1 Bow of wood	tcecelkia'n	(tceé wood) or elkia'n=tceec
2 Bow of horn		
3 Bow-string	elkä'n taat t'loc	
4 Sinew on back of bow		
5 Arrow	k'a	
6 Notch in end of arrow for bow-string		
7 Notch in end of arrow for arrow-head		
8 Arrow-head of stone	baihel-to ; pesh tsä'n saye	stone pecte
9 Arrow-head chipper (made of horn)		
10 Point of arrow-head		
11 Arrow-shaft of reed		
12 Arrow-shaft of wood		
13 Groove in arrow-shaft		
14 Arrow-shaft straightener (made of horn)		
15 Arrow-shaft polisher (made of stone)		
16 Cement used in fastening arrow-heads		
17 Arrow feathers		
18 Quiver		
19 Quiver-strap		
20 Wrist-guard		
21 War-club		
22 War-spear		
23 Fish-spear		
24 Knife of stone		
25 Knife-handle		
26 Shield		
27 Sling		
28 Canoe		
29 Canteen made of a bladder		
30 Fish-line		
31 Fish-net		
32 Fish-hook		
33 Net for catching rabbits		

SCHEDULE 6.—FOOD.
(Carefully read § 6, Chapter II.)

95

SCHEDULE 7.—COLORS.
(Carefully read § 7, Chapter II.)

ENGLISH.		REMARKS.
1 Black	člegħo'	, tleżħa'
2 Blue	táħbi	
3 Brown	date	= clit' hu
4 Gray and light	lipa-i	, cləpa-i, abber pa-i, pāyi, pa
5 Green	táħbi	
6 Purple	sóleke	áddar-pa
7 Red	clit'hu-i	, lēt'-hu
8 Roan		
9 Scarlet	teske	zadsäñ djañ
10 Sorrel		
11 Vermilion	date	sitci
12 White	člekkra	
13 Yellow	clit'so	, clitso-e
chocolate colored, pan	prieto	desortso
cobins egg blue	enetsige	clipá

SCHEDULE 8.—NUMERALS.—Cardinal Numbers.
(Carefully read § 8, Chapter II.)

97

ENGLISH.		REMARKS.
1 One	tácli, ta'le	
2 Two	dáki, ndáke	
3 Three	káye, ka'e, gé'	
4 Four	te'ne, te'e, tie	
5 Five	ácli	
6 Six	göck'a, gösk'ha	
7 Seven	gösteile	
8 Eight	tsianpe, tárpe	
9 Nine	nequoste', nekostai, kacándesna	
10 Ten	quntésna	
11 Eleven	cla = tsáta (for ta'la = tsáta)	
12 Twelve	daki = tsáta	
13 Thirteen	tai = tsáta	
14 Fourteen	ter = tsáta	
15 Fifteen	ácla = tsáta	
16 Sixteen	gösk'ha = tsáta	
17 Seventeen	gösteit = tsáta	
18 Eighteen	tarpe = tsáta	
19 Nineteen	kacándesna = tsáta	
20 Twenty	ndáta^n	
21 Twenty-one	ndáta^n = cli	
22 Twenty-two		
23 Twenty-three		
24 Twenty-four		
25 Twenty-five		
26 Twenty-six		
27 Twenty-seven		
28 Twenty-eight		
29 Twenty-nine		
30 Thirty	káta^n	
31 Forty	tia^ncta^n	
32 Fifty	á'clata^n	
33 Sixty	göskáta^n	

ENGLISH.		REMARKS.
34 Seventy	gō'bcitā ⁿ	
35 Eighty	tcanue'bā ⁿ	
36 Ninety	negōstā ⁿ , kacandesnātā ⁿ	
37 One hundred	tlilete'=k'ho; go', k'ho'	
38 One hundred one		
39 One hundred two		
40 One hundred three		
41 One hundred four		
42 One hundred five		
43 One hundred six		
44 One hundred seven		
45 One hundred eight		
46 One hundred nine		
47 One hundred ten		
48 One hundred eleven		
49 One hundred twelve		
50 Two hundred	dakite=k'ho	
51 Three hundred	kaitē=k'ho	
52 Four hundred		
53 Five hundred		
54 Six hundred		
55 Seven hundred		
56 Eight hundred		
57 Nine hundred		
58 One thousand	guntešnātē=ko; eckeendā=ku	
59		
60 One-half (in length)	wetvān	(p. 58)
61 One-half (in quantity)		
62 A part (in length)		
63 A part (in quantity)		
64 All	cf. p. 196 sqq.	
65 Some	vv	
66 None		

ENGLISH.		REMARKS.
1 First	e'ltse-e	
2 Second	bekesa", beke'ca"	
3 Third	ka' beke'ca"	
4 Fourth	te' beke'ca"	
5 Fifth	äcle beke'ca"	
6 Sixth	göskä beke'ca"	
7 Seventh	göstde beke'ca"	
8 Eighth		
9 Ninth		
10 Tenth		
11 Eleventh		
12 Twelfth		
13 Thirteenth		
14 Fourteenth		
15 Fifteenth		
16 Sixteenth		
17 Seventeenth		
18 Eighteenth		
19 Nineteenth		
20 Twentieth		
21 Thirtieth		
22 Fortieth		
23 Fiftieth	the middle, the one in the midst the last one the following, subsequent one	te'cniš tcéta tcäntlaghä" e'lkéhoka

46

ENGLISH.	REMARKS.
1 Once	tá'li = teséli, = tisélá ⁿ
2 Twice	dáki = teselá ⁿ
3 Thrice	kát = teselá ⁿ
4 Four times	té-e = teselá ⁿ
5 Five times	6 góstka = teselá ⁿ áctla = tesellá ⁿ
6 Six times	7 góstci = teselá ⁿ
7 Seven times	8 tsianpe = teselá ⁿ
8 Eight times	9 rasandésna = teselá ⁿ
9 Nine times	
10 Ten times	gunteeña = tisélá ⁿ
11 Eleven times	lá = tsata = tisélá ⁿ
12 Twelve times	dáki = tsata = tisélá ⁿ
13 Thirteen times	
14 Fourteen times	
15 Fifteen times	
16 Sixteen times	
17 Seventeen times	
18 Eighteen times	
19 Nineteen times	
20 Twenty times	náten ⁿ = teselá ⁿ
21 Thirty times	kátá ⁿ = teselá ⁿ
22 Forty times	tiáncta ⁿ = teselá ⁿ
23 Fifty times	áclatá ⁿ = tisélá ⁿ etc.

SCHEDULE 8.—NUMERALS.—Multiplicatives.

101

SCHEDULE 10.—DIVISION OF TIME.
(Carefully read § 10, Chapter II.)

105

ENGLISH.		REMARKS.
1 A year		
2 A moon	cáhe	
3 First half of moon		
4 Second half of moon		
5 First quarter of moon		
6 Second quarter of moon		
7 Third quarter of moon		
8 Fourth quarter of moon		
9 Day	t'zhä:n	
10 Night	tlé	
11 A day (24 hours)		
12 Dawn	cáha-a ; cf. "east"	
13 Sunrise		
14 Morning	nältá	
15 Mid-forenoon		
16 Noon	cneca:n ne'a	
17 Afternoon		
18 Sunset		
19 Dusk		
20 Evening	caoh'a	
21 Midnight		
22 Day before yesterday	to-night	tletä:n, tlé=té
23 Yesterday	atäta:n	
24 To-day	atäta:n	tate'dca:n
25 To-morrow	yänskate	
26 Day after to-morrow		
27 Now (adverb)		
28 Past time (adverb)		
29 Future time (adverb)		

SCHEDULE 12.—ANIMALS.—Mammals.
(Carefully read § 12, Chapter II.)

109

ENGLISH.		REMARKS.
1 Armadillo		
2 Antelope	tcéla-a	
3 Bat	tcâne'ctsile	
4 Buffalo, bison	ezhânde	
5 Bison		
6 Bison, wood		
7 Beaver	tcá	
8 Badger	tawâctoete	
9 Bear, grizzly		
10 Bear, cinnamon		
11 Bear, black	cáč	
12 Caribou (woodland)		
13 Caribou (barren ground)		
14 Chipmunk		
15 Cat, wild	nec'kudjá"	
16 Cat, civet		
17 Cat, black		
18 Dog	ne'le	
19 Deer	kâckeya, kâckeye	
20 Deer, mule, (Rocky Mountains and west)		
21 Deer, white-tailed		
22 Deer, black-tailed (Sierra Nevada)		
23 Elk	tseš	
24 Ermine		
25 Fox		
26 Fox (yellow)		
27 Fox (small, dark)		
28 Fox (red)		
29 Fox (gray)		
30 Fox (cross)		
31 Fox (silver)		
32 Fox (black), blue, mba' tâtlédje		
33 Fox (kit)		

ENGLISH.		REMARKS.
34 Fisher		
35 Gopher		
36 Gopher, pocket		
37 Goat, mountain		
38 Ground-hog		
39 Jaguar		
40 Lynx		
41 Lemming		
42 Lion, mountain, or Panther	mba-i' letso-e	
43 Manatee, or sea-cow, (Florida)		
44 Mouse (stone)		
45 Mouse (tuft-tailed)		
46 Mouse (jumping)		
47 Mouse (house)		
48 Mouse (wood)		
49 Mouse (white-footed)		
50 Mouse (field)		
51 Mouse (meadow)		
52 Mouse (prairie)		
53 Mole		
54 Martin		
55 Marmot		
56 Moose		
57 Muskrat		
58 Otter		
59 Otter, sea		
60 Opossum	tukhotluä'r	
61 Ox, musk		
62 Prairie-dog	tlö', tlü'	
63 Porcupine		
64 Porpoise		
65 Peccary		
66 Rat, common house		

ENGLISH.		REMARKS.
67 Rat (black)		
68 Rat (bush)		
69 Rat (Kangaroo)		
70 Rat (mountain)		
71 Rabbit	k'a, kra'	
72 Rabbit (white)		
73 Rabbit (gray)		
74 Rabbit (jackass)		
75 Rabbit (small, cotton-tail)		
76 Rabbit (little chief or cony)		
77 Raccoon	kēc zhožhe	
78 Sable		
79 Seal		
80 Skunk or Polecat	niltce. "smelle bad."	polecat. ke-kezha", kelece".
81 Sheep, mountain		
82 Squirrel		
83 Squirrel (gray)		
84 Squirrel (black)		
85 Squirrel (ground)		
86 Squirrel (red)		
87 Squirrel (striped)		
88 Squirrel (flying)		
89 Wolf		
90 Wolf (white)		
91 Wolf (gray)	mbo' tcó "grande lobo"	
92 Wolf (dusky)		
93 Wolf (prairie, coyote)	toel tleta"	
94 Weasel		
95 Whale		
96 Wolverine		
97 Woodchuck		

ENGLISH.		REMARKS.
	(For prefix ke - cf. 78.) Before be-, pe - corresponds to his, its.	
1 Antlers	kushkeyoté	
2 Anus	kétséel	
3 Bone	étsáñ	
4 Brain	ketsáñ'zán	
5 Claw	élačkáñ	
6 Dung	tcd (horse, cow)	
7 Entrails	ketc'e	
8 Fat	ék'a	
9 Fur	etá'rañ	
10 Gullet	beyédjédanda	
11 Hoof	lon késka "horse's hoof"	
12 Hide	bénästle	
13 Horn	éte	
14 Hair	ketařa	
15 Heart	ketc'eel	
16 Intestines	kézhie (same as <u>entrails</u>)	
17 Joint	elateta	
18 Lungs	kesóle	
19 Liver	keše, kisi	
20 Muscle	kendařuele	
21 Meat	étsáñ	
22 Midriff	ketsakra tardate nepal	
23 Milk	yánsk kac'bepe (cow's udder)	
24 Paw	kéke	
25 Penis	kerátsse	
26 Rib	kátc'e	
27 Rump	tetla	
28 Skull	ketsé' = étsáñ	
29 Stomach	ketsastahel	
30 Spleen		
31 Sweet-bread		
32 Skin	(same as <u>hide</u>)	
33 Tail	edstétsie	

ENGLISH.		REMARKS.
1 Bird	<i>ecachte</i>	
2 Albatross		
3 Avocet, or Blue Stockings		
4 Auk		
5 Bittern		
6 Blackbird		
7 Blackbird (red-winged)		
8 Blackbird (white-winged prairie)		
9 Blackbird (yellow-head)		
10 Blackbird (crow)		
11 Bluebird		
12 Bobolink, (of the North; Reedbird of the South.)		
13 Bobwhite, (Quail of New England, Partridge of the South.)		
14 Bunting		
15 Bunting (towhee)		
16 Bunting (snow)		
17 Bullbat, or Night Hawk		
18 Butcher bird, or Shrike		
19 Catbird		
20 Cedar-bird, or Cherry-bird		
21 Chaparral cock, or Ground Cuckoo	<i>á-ai</i>	
22 Chicadee, or Titmouse		
23 Cock of the plains		
24 Coot		
25 Cormorant, or Shag		
26 Cowbird	<i>tcoke-e</i>	
27 Crane (white or whooping)		
28 Crane (brown or roundbill)		
29 Creeper (brown)		
30 Creeper (black and white)		
31 Crow		
32 Crossbill		
33 Curlew (long billed)		

ENGLISH.		REMARKS.
34 Cuckoo		
35 Dipper, or Water-ouzel		
36 Dove		
37 Dove, Turtle		
38 Dove (small ground)		
39 Duck		
40 Duck (mallard)	dā'lo'le	
41 Duck (pin-tail)		
42 Duck (red-head)		
43 Duck (golden eye or whistler)		
44 Duck (black-head)		
45 Duck (canvas-back)		
46 Duck (wood or summer)		
47 Duck (buffle-head)		
48 Duck (shoveler)		
49 Duck (surf or scoter)		
50 Duck (merganser or saw-bill)		
51 Duck (ruddy)		
52 Eagle		
53 Eagle (golden)		
54 Eagle (white-headed)		
55 Finch		
56 Finch (grass)		
57 Fly-catcher		
58 Godwit		
59 Goldfinch, or Thistle-bird		
60 Goose (white-fronted)		
61 Goose (blue)		
62 Goose (white) wild	te'le	(of p. 22)
63 Goose, Canada		
64 Grackle		
65 Grebe or dab-chick		
66 Grosbeak		

ENGLISH.		REMARKS.
67 Grouse		
68 Grouse (pinnated) or Prairie Hen	tōstcu	
69 Grouse (sharp-tailed)		
70 Grouse (white), Tarmigan		
71 Grouse (ruffed), Partridge of New England—Pheasant of the South.		
72 Gull		
73 Gull (heron)		
74 Gull (ring-billed)		
75 Gull (black-headed)		
76 Hawk		
77 Hawk (marsh)		
78 Hawk (chicken)		
79 Hawk (hen)		
80 Hawk (pigeon)		
81 Hawk (sparrow)		
82 Hawk (duck)		
83 Hawk (red-tailed)		
84 Hawk (swallow-tailed)		
85 Hawk (fish or osprey)		
86 Heron (great blue)		
87 Heron (little blue)		
88 Heron (great white)		
89 Heron (little white)		
90 Heron (green)		
91 Heron (night)		
92 Humming-bird	élatso-e	
93 Ibis (glossy)		
94 Ibis (white)		
95 Indian-hen or Courlan—Crying-bird		
96 Jay (gray mountain)		
97 Jay (blue-crested)		
98 Jay (chapparral)		
99 Kingbird, or Bee Martin		

ENGLISH.		REMARKS.
100 Kingfisher		
101 Loon		
102 Magpie (yellow-billed)		
103 Magpie (common)		
104 Martin (purple)		
105 Martin (bee)		
106 Meadow or Field Lark		
107 Mocking-bird	yacigane ghahti'zane ; mexican : chinchonte	
108 Mother Cary's chicken, or Petrel		
109 Mutch-hotch		
110 Oriole, Bullock's (western)		
111 Oriole (Baltimore)		
112 Owl (great-horned)	yi	
113 Owl (screech)	yeyal'kete	
114 Owl (eared)		
115 Owl (white snowy)		
116 Owl (burrowing), Western U. S., Florida		
117 Oyster-catcher (common), Atlantic coast		
118 Oyster-catcher (black), Pacific coast		
119 Paroquet (Florida)		
120 Peewee		
121 Pelican (white)		
122 Pelican (brown), Pacific and Atlantic coasts		
123 Pigeon (wild), Eastern U. S.		
124 Pigeon (band-tailed), Western U. S.		
125 Pigeon (sea)		
126 Plover (black-bellied)		
127 Plover (golden)		
128 Plover (killdee)		
129 Plover (ring-necked)		
130 Plover (mountain)		
131 Rail		
132 Raven (common)		

ENGLISH.		REMARKS.
133 Raven (white-necked)		
134 Redbird		
125 Redbird (crested)		
136 Redbird (black-winged), or Scarlet Tanager, (Eastern U. S.)		
137 Robin		
138 Road-runner, or Chaparral Cock (Western U. S.)		
139 Sage-cock		
140 Sandpiper		
141 Sandpiper (spotted, or tipup)		
142 Scissor-bird	tsekaye	
143 Shearwater, or Black Skimmer (southern coast)		
144 Snipe		
145 Snow-bird		
146 Song-sparrow		
147 Sparrow		
148 Stilt (black-necked)		
149 Swan		
150 Swallow		
151 Swallow (chimney)		
152 Swallow (barn)		
153 Swallow (white-bellied)		
154 Swallow (green-backed)		
155 Swallow (cliff)		
156 Swallow (bank or sand)		
157 Teal		
158 Teal*(green-winged)		
159 Teal (blue-winged)		
160 Teal (cinnamon)		
161 Tern		
162 Tern (black)		
163 Thrush		
164 Thrush (water), or Wagtail		
165 Titlark		

ENGLISH.		REMARKS.
166 Turkey, tame : <i>kádjä</i> ; wild t., or t. gobbler	<i>kádjé</i> = <i>tóú</i> .	
167 Turnstone		
168 Vulture (great Californian)		
169 Vulture (black)		
170 Vulture (red-headed)		
171 Warbler		
172 Warbler (yellow), or Yellow-bird		
173 Whip-poor-will		
174 Woodpecker	<i>ká'le</i>	
175 Woodpecker (yellow-shafted, or Yellow-hammer).		
176 Woodpecker (spotted)		
177 Woodpecker (yellow-bellied)		
178 Woodpecker (large black)		
179 Woodpecker (ivory-billed), Southern States		
180 Woodpecker (red-head)		
181 Woodpecker (white-headed)		
182 Woodpecker (Lewis)		
183 Woodpecker (black-breasted)		
184 Woodpecker (red-shafted), of the Western U. S.		
185 Widgeon		
186 Woodcock		
187 Wren (house)		
188 Wren (marsh)		
189 Yellow-shanks		
Turkey - buzzard <i>kadsä'lt'ute</i>		

ENGLISH.		REMARKS.
1 Beak, or bill		
2 Mouth		
3 Tongue		
4 Eye		
5 Comb		
6 Crest		
7 Neck		
8 Feathers		
9 Neck-feathers		
10 Wings		
11 Wing-feathers		
12 Tail		
13 Tail-feathers		
14 Legs		
15 Toes		
16 Claws		
17 Spur		
18 Heart		
19 Gall		
20 Liver		
21 Lights		
22 Gizzard		
23 Entrail		
24 Vent		
25 Egg	erä-esh, eräish	
26 Shell (of egg)	eräish be-ndashkihe	
27 Yolk (of egg)		
28 White (of egg)		
29 Bird's nest		
30 Bird's tracks		
31 To fly		

ENGLISH.		REMARKS.
1 Alligator		
2 Chameleon		
3 Frog (bull)	bata'w tatlidshi	
4 Frog (small)	bata'w	
5 Horned Lizard or Toad		
6 Lizard		
7 Moccasin		
8 Rattlesnake	ku' wirakunle	
9 Rattlesnake (horned)		
10 Rattle of snake		
11 Snake	kuru'	
12 Snake (water), black	t'ec	
13 Snake (garter)		
14 Terrapin		
15 Toad (none)		
16 Tortoise Tadpole	eskél, baté	sketetcēdje d'lsese

ENGLISH.	REMARKS.
1 Ant, red	guélctete
2 Bedbug	
3 Bee	
4 Bee (umble)	
5 Beetle (tumblebug)	tcánđe-is másé
6 Butterfly	
7 Caterpillar	
8 Cricket	
9 Dragon-fly	daketx ⁿ
10 Flea	
11 Fly	ts'eye
12 Gnat	
13 Grasshopper	
14 Horse-fly (black)	
15 Katydid	
16 Locust	
17 Louse	yd
18 Maggot	
19 Mosquito	ts'eye tcáta ⁿ
20 Prairie-fly (green)	
21 Snail	
22 Spider	
23 Tick	
24 Wasp (yellow)	
25 Worm	

SCHEDULE 13.—PLANTS.
(Carefully read § 13, Chapter II.)

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ENGLISH.		REMARKS.
1 Bud of tree		
2 Leaf	t'a	
3		
4 Limb		
5 Outside bark	tlōcā'' katactoc	
6 Inner bark	tsetlaimē katactoc	
7 Body or trunk		
8 Stump <i>of tree</i>	teic hatakwute	
9 Root		
10 Tree	tcic	
11 Wood		
12		
13 Thorn	quic	
14 Brush		
15 Brushy		
16 A flower		
17 Flowers		
18 Forest		
19 Fruit		
20 Grass	t'lu', tlō'	
21 Thicket		
22 ✓		
23		
24 Ripe		
25 Unripe	bear grass; and hemp: data cactus (<i>various species</i>) kuctcētē sunflower ce-iné tēnde all oaks: etcotce'l, producing the acorn: etcēcece broomweed ketatsuye beans kecka tsō'le (t. little) mesquite-tree naskānde tcic pecan tree tce'lqacō' tcic	

SCHEDULE 13.—PLANTS—Continued.

ENGLISH.	k'ai	teč	REMARKS.
willow tree			
peach tree	Meličá	betsétsu	teč (b. apple)

ENGLISH.	REMARKS.
1 Family	
2 Head of family	
3 Gens	
4 Insert proper names of gentes	I obtained the following names of gentes, part of which seem to be rather territorial divisions; the true old Apans now hardly count over 25 men, as I was repeatedly informed.
1. Tseral tu'e'tahä'n	"red hair"; extinct, once below Nueces R.
2. T'cëcä'n	; called tca' by Comanches.
3. Kuine tsä'	"Big Water"; once on Rio Grande: kuine tsä'
4. Kó'l kahä'n	"prairie men"; west of Fort Griffin.
5. Tco'ñ-kana'ñ	"rubbing, pulverizing"; prob. extinct now
6. Tséc kecénde	"Painted wood"; in Mexico
7. Ki'ke metceskolaña'ñ	"high-beaked moccasins"
8. Tažha'ñ	"uplanders" (Span. arriba) in New Mexico.
9. Ta'ñcka o'ghäye'ñ	"little beech-clout"; on Pecos River
10. Tsel totlidsha'ñ	"green on't'a"; East of Rio Grand
11. Ndáwego'hä'n	WSW. from Griffin.
12. Shä-añ	"North"; now at Washita Agency (Fort Sill Res.)
13. Tsés tse'mbai	; NW. from Griffin.
14. Teckondaha'ñ	, named after a bird & great fighter.

State how the gentes are grouped in countries.

SCHEDULE 22.—MEDICINE.
(Carefully read § 22, Chapter II.)

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ENGLISH.		REMARKS.
34 A sick man	téne tinné	
35 A sick woman		
36 A lame man		
37 A lame woman		
38 A lame boy		
39 A lame girl		
40 A blind man	téne kendadjectca^n	
41 A blind woman <i>of one eye</i>	ta ^l ande kendadjectca^n	
42 A blind boy <i>mute man</i>	téne tuyádcelkie	
43 A blind girl		
44 A deaf man	téne kedjswaye ekote	
45 A deaf woman		
46 A deaf boy		
47 A deaf girl		
48 Breath		
49 Sweat		
50 Blood	té'l	
51 Urine		
52 Dung		
53 Medicine		
54 A medicine man		
55 A medicine woman		
56 Medicine dance		
57 Medicine song		
58 Medicine lodge		
59 Sweat-house		
60 An amulet		
61 A dream		
62 A vision		
63 A witch		
64 A wizard		

SCHEDULE 24.—NEW WORDS.
(Carefully read § 24, Chapter II.)

ENGLISH.		REMARKS.
1 Live stock	cattle	ayā'ka-e
2 Horse	lā'n	
3 Colt	clé = leai'	"
4 Mule	zhā'a'	
5 Bull		
6 Ox		
7 Cow	yānckai	
8 Calf		
9 Sheep	tsékehe	sekie
10 Hog	tsapaye	
11 Cat	nēcto-ān	
12 Kitten	nēcto	āghe óghe
13 Cock		
14 Hen		
15 Goose		
16 Saddle	clé nārā'l	
17 Bridle	clé saha-ai'	
18 Whips	clé mótsasā'n	
19 Lariat	clé = ma-o'lkazhe	
20 Horn Horse-shoe	clé bekét	áca''r péc
21 Hopples		
22 Spur	kekékgac = hā'-aye	
23 Crupper		
24 Ax	tséne'l ; ax - handle	tséne'l = bētsā'n
25 Auger		
26 Iron arrow-head		
27 Awls of metal		
28 Beads	go'	
29 Broom		
30 Cloth	dāze	
31 Comb	tsétlə ; I comb myself:	clé tsé handaff co
32 Clock		
33 Knife, pocket	bētsā'e	; point of knife péc belacā'n

ENGLISH.		REMARKS.
34 Fork	yamela kai'hi	bell: <u>i</u> ras
35 Gimlet		
36 Hoe		
37 Hammer	bets'e'le	
38 Brass kettle		
39 Iron kettle		
40 Tin plate		
41 Plow		
42 Reaper		
43 Scissors		
44 Table	bekacsta'hä"	
45 Watch		
46 Pistol	e'lkän	a'cloe "small bow"
47 Gun	e'lkän	"bow"
48 Rifle	e'lkän	ka'he
49 Ramrod		beyeda'ttel
50 Cannon	e'lkän	étsé
51 Bullet	kanetse	andázhia
52 Cap, percussion	pe'shá	koltapvel
53 Powder	t'ë	t'ësh
54 Saber		
55 Brass	resta'le	
56 Gold	pec	cle'tso-e
57 Iron		mō'chekindi
58 Lead		kanetse'
59 Silver	pec	clétkai or likrai
60 Money	pec	netsa'i
61 Cap or hat	tc'dl	
62 Necktie or neckerchief		eractcetelpa
63 Coat		
64 Vest		
65 Shirt	e	
66 Pants	ctladshä"	
	handkerchief	tsendate'kai
	screw	miltchende bele'kies.

ENGLISH.		REMARKS.
67 Shoes	kebeketa akonstui	"gong akonstui hole - small"
68 Boots	kebeketa kondis	
69 Slippers		
70 Stockings	kedatuhän	
71 Bonnet		
72 Ribbons		
73 Shawl		
74 Handkerchief	tsendatekai	
75 Dress (gown)		
76 Bread	täkkal (<u>tortilla</u>)	
77 Flour	aléna (span); netohé	
78 Match, friction	kó = bedorasañ	
79 Candle		
80 Sugar	asoka (span)	
81 Soap	behanda-očän	
82 Tobacco	ndatute	paper dala stse'
83 Whisky	kú = täntce-e "strong liquid"; <u>and</u> : kó c'pae, "dark water";	
84 Wine ^{red}	ku' cekande c'et'hui	
85 Finger-ring		
86 Mirror		
87 Fan	atezhiosän	
88 Picture		
89 House, (American)	ki'n, ki', k'he'; Melika'ñ wiran	
90 Roof		
91 Window		
92 Door		
93 Gate		
94 School-house		
95 Church		
96 Barn		
97 Pencil		
98 Pen		
99 Ink		

ENGLISH.		REMARKS.
100 Paper	Kéctca ⁱⁿ , dállos; paper money	Kéctca ⁱⁿ pec
101 Book	Kéctca ⁱⁿ e'ltetateke-e	book (e. superposed)
102 Newspaper		
103 Road	ene'kä ⁿ	
104 Wagon	pás, pa's;	buggy: pás a'ctgoze.
105 Bridge		
106 Well	ká = hállo	-
107 Railroad		
108 Railroad car		
109 Railroad engine	pás tētcai	
110 Steamboat		
111 Telegraph		
112 Interpreter		
113 Blacksmith		
114 Trader <i>warehouses</i>	dayéma kó'ra	
115 Christian, a professor of religion		
116 Law		
117 Lawyer		
118 Law maker		
Bottle	kotatcosés	
Wagon track	pás beke'ke. (keke feet)	
Horse-track	'clan beke'ke	
boat	tcic nákuhe	
barrel	bághé	
wheel	pás dahárese, ndaháres "what turns".	
umbrella	tchako'-ché	
target	tanda'tseltso	
shovel	spade behako'ctce-a ⁱⁿ	
chair, seat	keta'staye	
broom	bendakogha'tä ⁿ ; b. betcic broom-stick,	
spectacles	ndabata = e'sla-el	
towel	beke'lake-e'take	
canvas-tent	kó'ra nániái	

SCHEDULE 25.—NUMBER AND GENDER OF NOUNS—DEMONSTRATIVE AND
ADJECTIVE PRONOUNS.
(Carefully read § 25, Chapter II.)

ENGLISH.		REMARKS.
the same man:	ta-á	te'nä"
1 One man	tá'li	te'nä"
2 Two men	dáki	te'nä"
3 Three men	káye	te'nä"
4 Few men	ésto or (écto) ténde' lä"	
5 Many men	ténde' lä", te'nä" kóla"	
6 All the men	taté'tcol ténde	
7 Some men	'lé' ténde	
8 No man	ésto ténde	
9 Another man	ta'ssade	te'nä"
10 One woman	tá'le	tchék'än
11 Two women	dáki	tchákiän
12 Three women	káye	tchákiän
13 Few women	ésto	tcäk'än lä"
14 Many women	tcäk'än lä", tcäk'än kóla"	
15 All the women	taté'tcol tchék'än	
16 Some women	'lé' tchék'ie	
17 No women	écto tchék'ia"	
18 Another woman	ta'ssade tcék'ia"	; the same woman ta-á tcék'ia"
19 One boy		
20 Two boys		
21 Three boys		
22 Few boys		
23 Many boys		
24 All the boys		
25 Some boys		
26 No boy		
27 Another boy		
28 One dog		
29 Two dogs		
30 Three dogs		
31 Few dogs		
32 Many dogs		
33 All the dogs		

ENGLISH.		REMARKS.
67 Male dog	ne'le' <i>si'uka</i> cl'ka	
68 Female dog	ne'le' lärtche, lätce	
69 Male horse	lä'n cl'ka, la-uka	
70 Female horse	lä'n cl'ntce	
71 Male cat	nëcto-ä'n cl'ka	
72 Female cat	nëcto-ä'n lätce	
73 Male deer	koshkeye' cl'ka	
74 Female deer	koshkeye' lätce	
75 Male eagle	etsaine = tsé cl'ka	
76 Female eagle	etsaine = tsé lätce	
77 This man	te' n ténä"n	(tet'dja, runs) <i>sing.</i>
78 That man	ard' ténä"n	(tet'dja runs)
79 These two men	te' näku ténä"n	(katet'dja run) <i>dual</i>
80 Those two men	ard' ne'ku ténä"n	(v)
81 These men	te' ténä"n (kola" many)	(katet'dja run) <i>plur.</i>
82 Those men	ardnä"n ténä"n (kola" many)	(v)
83 This woman	te' tcäkiä"n	
84 That woman	ard' tcäkiä"n	
85 These two women	te' näku tcäkiä"n	
86 Those two women	ard' ne'ku tcäkiä"n	
87 These women	te' tcäkiä"n	
88 Those women	ardnä"n tcäkiä"n	
89 This boy	.	
90 That boy	.	
91 These two boys	.	
92 Those two boys	.	
93 These boys	.	
94 Those boys	.	
95 This dog	te' ne'la"n	
96 That dog	aréte' ne'la"n	
97 These two dogs	te' daki ne'la"n	
98 Those two dogs	ard' daki ne'la"n	
99 These dogs	te' ne'la"n	

ENGLISH.		REMARKS.
100 Those dogs	arañá'ñ neclá' cláñ	
101 This horse	té' clé'	
102 That horse	are' clé'	
103 These two horses	'te' dákí lán	
104 Those two horses	araí dákí lán	
105 These horses	te' clé'	
106 Those horses	are' lán	
107 This knife		
108 That knife		
109 These two knives		
110 Those two knives		
111 These knives		
112 Those knives		
113 This axe		
114 That axe		
115 These two axes		
116 Those two axes		
117 These axes		
118 Those axes		
119 Right eye		
120 Left eye		
121 Both eyes		
122 Right ear		
123 Left ear		
124 Both ears		
125 Right hand		
126 Left hand		
127 Both hands		
128 Right foot	keke' tāñcande	
129 Left foot	keke' t'lande	
130 Both feet	keke' tātchande	

Phrases and sentences.

- ce etsā'n sete I roast meat
 ce etsā'n hēspec I boil meat
 dayéma kō'ra store, warehouse
 cē maha cē'ca hā'sai I go up the ladder
 ce randa'tecta hā'sai I go down the ladder
 hā'sai kē'dsālt'lon the ladder is broken
 ce kendé'kie hā'sai I break the ladder
 ketcdtē kē'dsālt'lon this leg is broken
 kō'sto tate'dshā"n it is hot to-day
 kō'skas or it is cold to-day.
 ce nande'a tsē'tsio I give you an apple (or mande'a)
 ce komandé'a tsē'tsio I give him an apple
 ce pendétsā'n I beat him
 ce ~~pēn~~ nedétsā"n I beat you
 ce kondétsā"n akō'nā" I beat them
 ce atāndétska tsē'l o'ltcā"-a, tsē'l bē'tceā I am run-
 ning towards the hill.
 ce atāndétska tsē'l obetchēā I run away from the hill.
 ce tsē'l nōra etsō'te I come down from the hill or other.
 yetésne cl estsā'kosto" on a straight line
 tendé' ssä'sle to create men.
 ce tohāshte I do not like
 ce bēye handacta I come out of a hole
 ce ^hsesne-skostā"n I am afraid of
 etsē hanazha"n we comb each other



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