




















































I'm working on free fonts of St. Gall neumes for the Gregorio project. So far there are two fonts, SGModern, which is mostly based on the work from the Bellaigues abbey (about 200 neumatic glyphs) and I've just added further 130 neumatic glyphs, and Gregall, where I'm trying to use exact shapes from the manuscripts (Cantatorium, Hartker antiphonary, Einsiedeln 121, Sg. Gall 339 and Bamberg lit. 6). I'd like to have first complete coverage of Cardine's Table of Neumatic Signs of St. Gall and if that is done, complete most common neumatic elements which can't be easily combined from other neumatic elements plus prepunctis and subpunctis. The SGModern font right now doesn't have any significant letters, the Gregall font is missing various neumatic glyphs. Both fonts are temporarily available from <http://people.redhat.com/jakub/gregall/>.





Any thoughts where to find the following neumatic elements (manuscript, page and perhaps line) in the manuscripts? From the Cardine's Table I'm missing 3rd modified torculus , climacus with tenete on it , scandicus with 3 prepunctis , scandicus with episemas , melodic scandicus form , pes quadratus subbipunctis , pes with one subpunctum and one stropa , 2nd form of scandicus flexus with neumatic break , melodic form of scandicus flexus , liquescens scandicus flexus  (only have one with two tractulis instead of punctis ) , torculus resuspinus with celeriter on it , torculus resuspinus with episema , melodic form of torculus resuspinus , two modified shape forms of trigonus,  and , pressus minor with gravis , pressus maior with stropa , salicus with frendor on it  and one melodic form of salicus . Anyone knows where in the MSS to find significant letters **pulcre**?

In the Cardine's table, I'm seeing various glyphs used for two or more neumatic signs, is that correct or just I'm not able to figure out the differences in between them? In particular, is the ancus glyph   the same glyph for 1st augment. clivis and diminut. climacus, or is there any difference in between those two? Similarly is the epiphonus glyph   the same glyph for augment. tractulus, diminut. pes and diminut. virga strata? Is augment. virga strata   the same glyph as diminut. pressus maior? Is 3rd augment. form of pes   the same glyph as diminut. scandicus and diminut. salicus (tractulus + epiphonus)? What about augment. porrectus   and diminut. porrectus flexus? Augment. torculus   and diminut. pes subbipunctis? Augment. virga (cephalicus)  and diminut. clivis? Porrectus flexus with neumatic break   and 1st melodic form of scandicus flexus?




As the majority of the SGModern font was designed by others, I'd appreciate feedback on matching of some of the glyphs in that font with what I found in the manuscripts and what is in the Gregorian Semiology. Most importantly, the diminut. porrectus , diminut. torculus resuspinus  and the same with episema  look to me like virga or pes with epiphonus attached to the top, while the SGModern font have glyphs with the epiphonus attached to the bottom , , , which I haven't found in the manuscripts in such a form. Can that be considered the same glyphs? Also, in the manuscripts I also found (in many places) a form with quadratic form of the beginning of the torculus , is that an important glyph difference or just a small detail that can be ignored?

The second augment. form of clivis  has the right lower curve much bigger than the glyphs in SGModern  (and similarly with episema), is that also something that can be easily understood as the same neumatic element?










For some of the shape modifications of torculus and torculus resuspinus, I'm afraid I don't clearly grok which characters are which. For the 2nd shape modified torculus in the Cardine's table, the SGModern font has two quite similar glyphs  and , what I found in the manuscripts is only , is that the first or second SGModern glyph and which of those two is the one in Cardine's table? Similarly the 2nd shape modified torculus resuspinus, SGModern has , what I found in the MSS is , but not sure if it is the same neume. For the 3rd shape modified torculus resuspinus, I'm not sure what is the difference from the plain torculus resuspinus  .

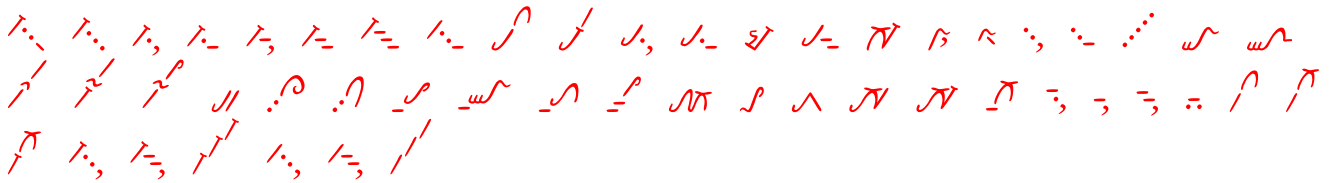
Also, I'd like to ask, some glyphs like clivis combined with pressus come in two different forms:   and  . Is the first one clivis with pressus minor and the second one with pressus maior, or is that both pressus minor, just in different shape?

In the Einsiedeln 121 codex, I've often found a salicus where the shape of the punctum looked much more like a tractulus than punctum, but it seems in Graduale Triplex that is usually painted just as punctum. Is that just an insignificant change one can ignore?

The SGModern font has separate  and  characters, all I found in the MSS so far was , is that the first or second glyph in SGModern? Which one is the 2nd augment. pes form in Cardine's table, and how can be the other neume classified?

For all the glyphs in the Gregall font, I have notes from where I've picked those up, have a month old document at my web pages which describes that, but as about 100 glyphs has been added to that font since then, it is out of date, if anyone wants to know a particular glyph, I can answer it quickly, otherwise I'll try to eventually update that document, but it might take some time.

Other glyphs in the SGModern font but not in Gregall, for which I'd appreciate any hints on where to find those in the manuscripts, include (automatically generated from the two fonts):         



Finally, here is a table showing all glyphs of both fonts, SGmodern in the second column, Gregall in the third column. Please ignore the glyph names, those are weird and inconsistent, mostly originate from original SGModern font glyph naming and are only used right now to match the glyphs between the two fonts. The plan is to describe all glyphs with the http://gregoriochant.org/dokuwiki/doku.php/language_nabc_language.

anc			clive			distrol		
ance			cliveT	missing		e1	-	missing
bivir			clivel			e2	-	missing
bivire			clivl			e3	,	missing
bivirl			clvepg		missing	epiph		
clctt			clvepp			etrace		
cli3			clveppg		missing	grav		
cli3e			clveppp		missing	gravC	missing	
cli_cliC	missing		clvepppp			gravep		
cli_cliT	missing		clvepstro		missing	grex		
clianc			clvept		missing	grexe		
clikli			clveptep			la		missing
clikli3			clveptete			ld		missing
clikli3e		missing	clvepttp			lsAL		
clikli3tra			clvepttp			lsAM		
clikli3trae		missing	clvetetep			lsB		
clikliC	missing		clvetestro		missing	lsC		
cliklicli3e			clvett		missing	lsCM		
clicliclie			clvettt		missing	lsCO		
cliclie			clvpg			lsCW	missing	
cliclipl			clvpp			lsD	missing	
clicliprmi2			clvppC	missing		lsE		
clicliq			clvppg			lsEQ	missing	
cliclitra		missing	clvppp			lsEW	missing	
clicliv			clvpppp			lsFID	missing	
cliclive			clvppppp			lsFR		
cliepi			clvppt		missing	lsG		
clieprmi			clvpstro			lsI		
cliprmi1			clvpt			lsIM		
cliprmi1CT	missing		clvpte			lsIV	missing	
cliprmi2			clvptepp			lsK		
cliprmiC	missing		clvptge			lsL		
cliq			clvptpp			lsLB		
cliqe			clvptpt			lsLC		
clitra			clvpttp			lsLEN	missing	
clitrae			clvtepp			lsLM		
cliv			clvtetep			lsLP		
clivC	missing		clvtstro			lsLT		
clivT	missing		clvtt			lsM		
cliv_e2_vir			clvttge			lsMOLL		
cliv_e2_vir_e1			clvttpp			lsP		
cliv_tra_punc2D			clvttt			lsPAR	missing	
cliv_tra_punc_tra			clvtttg			lsPFEC	missing	
cliv_tra_stro		missing	clvtttge			lsPM		
cliv_tra_tra_stro		missing	clvtttt			lsS		
cliv_tra_trac2D		missing	degree		missing	lsSB		
cliv_trae_punc2D			distro			lsSC		
cliv_vir		missing	distroX	missing		lsSIMIL		
cliv_vir_e1		missing	distroe			lsSIMUL	missing	
						lsSM		

lsST	✓	✓	prmaT	missing	✓	ql3clit	✓	missing
lsSTA	missing	✓	prmae	✓	✓	ql3pes	✓	✓
lsT	✓	✓	prmaeC	missing	✓	ql3pese	✓	✓
lsTB	✓	✓	prmag	✓	✓	ql3pesl	✓	✓
lsTM	✓	✓	prmas	✓	missing	ql3pesstr	✓	✓
lsTW	missing	✓	prmi	✓	✓	ql3por	✓	✓
lsV	missing	✓	prmiC	missing	✓	ql3pore	✓	✓
lsVOL	missing	not	prmiT	missing	✓	ql3porl	✓	✓
lsX	x	x	prmig	✓	missing	sali	✓	✓
nobrsp		missing	prmis	✓	✓	saliF	missing	✓
oris	✓	✓	pun	✓	✓	salianc	✓	✓
orisl	✓	✓	pun_gravD	✓	✓	saliancoris	✓	✓
orp	~	missing	pun_pes_ld	✓	missing	salicli	✓	✓
paragraph	✓	missing	pun_stroD	✓	✓	saliclie	✓	✓
periodcentered	✓	missing	pun_tra_stroD	✓	✓	salicliq	✓	✓
pes	✓	✓	pun_trac2D	✓	✓	salicliqC	missing	✓
pes_cliv	✓	missing	pun_trac3D	✓	✓	salicliqe	✓	✓
pes_pesqd	✓	✓	pun_tracD	✓	✓	salie	✓	✓
pes_vir	✓	✓	pun_treD	✓	✓	salieF	missing	✓
pese	✓	✓	pun_trepD	✓	✓	salieoris	✓	✓
pese_vir	✓	missing	punc2A	✓	✓	salieveoris	✓	✓
pesepp	✓	✓	punc2D	✓	✓	salil	✓	✓
pesepppt	✓	✓	punc2_gravD	✓	✓	salioris	✓	✓
pesl	✓	✓	punc2_stroD	✓	missing	salitpesqs	✓	✓
pespg	✓	✓	punc2_tracD	✓	missing	saliv	✓	missing
pespp	✓	✓	punc2_trepD	✓	✓	salive	✓	✓
pesppete	✓	✓	punc3A	✓	✓	saliveloris	✓	✓
pesppp	✓	✓	punc3D	✓	✓	saliveoris	✓	missing
pesps	✓	missing	punc3_tracD	✓	✓	salivoris	✓	✓
pespt	✓	missing	punc4A	✓	✓	salivorisl	✓	missing
pespte	✓	✓	punc4D	✓	✓	salivpesqs	✓	✓
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pesqd	✓	✓	punc5D	✓	✓	scppanc	✓	missing
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pesqdepp	✓	✓	punc_trac_graveD	✓	✓	scppcli3	✓	missing
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pesqdett	✓	✓	punc_trac_punc_tracD	✓	✓	scppppv	✓	✓
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pesstr	✓	✓	ql2por	✓	✓	sctq2pl	✓	✓
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por	✓	✓	ql3ance	✓	✓	sctqcli	✓	✓
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pore1	✓	✓	ql3cli3	✓	✓			
pore2	✓	✓	ql3clianc	✓	✓			
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porl	✓	✓	ql3clicie	✓	✓			
prma	✓	✓	ql3clie	✓	✓			
prmaC	missing	✓	ql3cliprmi	✓	✓			

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sctqclie			torqdepi			trigpra		
sctqcliprmi			torqdv			trigptrap		missing
sctqp			torqs			trigtra		
sctqpe			torqse			trigtrae		
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sctttv			torvire2		missing	uniFFFD		missing
sctttve			torvire3		missing	util		missing
sctttvl			torvl			vir		
scttv			tra			virC	missing	
scttve			tra_cliv			virT	missing	
scttv1		missing	tra_cliv_e2		missing	vir_cliv		missing
space			tra_pun_stroD		missing	vir_cliv_e2		missing
sr		missing	tra_punc2D			vir_e1_cliv		
stro			tra_stroD		missing	vir_e1_cliv_e2		missing
stroe			trac2A			vir_e1_clvpp		
stroe2			trac2D			vir_e1_pes		
strol			trac2_graveD			vir_e1_por		
tor			trac2_punc2D			vir_e1_por		
tor3			trac2_stroD		missing	vir_e1_punc2_stro		missing
torC	missing		trac3A			vir_e1_tor		
torCT	missing		trac3D			vir_e1_trac2_stro		missing
torT	missing		trac3_gravD			vir_e1_virg2A		
torclctt			trac3_graveD			vir_ephc3A		missing
torcli			trac4A			vir_pes		
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torclitra			tracT	missing		vir_punc2_stro		missing
torclitrae			trac_stroD			vir_tra_punc2D		
tore			trace			vir_trac2_stro		missing
toreepi			trace2A			vir_trep_punc2D		
torepi			trace3A			vir_vir		
torl			trace4A			vire		
torl2			trace5A			vireT	missing	
torle			traevirpp			vire_vire_vir		
torlg1			traevirppC	missing		virg3A		missing
torlg1l			travirpp			virle		
torlg1v		missing	travirppC	missing		virstr		
torlg1ve			travirpt			virstrC	missing	
torlg2			tre2_punc2D			virstrT	missing	
torlg3			tre_punc2D			virstre		
torlg3T	missing		trep_punc2D			virstrel		
torpor			trig			virstrl		
torprmi			trigeptrae					