



Olive wreath - Wikipedia



Ceremonial gold tiara  
2nd-3rd C BC  
Brooklyn Museum (26.763)



Funerary wreath – Ivy with berries  
Greek, 3-4th C BC  
New York, Metropolitan Museum  
(acc. 64.304.7)



Oak wreath with bees and cicada  
Grecia magna, 350-300 BC  
London, British Museum  
(acc. 1908,0414.1)

## Classical images – Greek)



Golden wreath with Nike and horse and rider  
Thrace, 4th-3rd C BC  
Sofia, Museum of Natural History



Apollo with wreath – Wikimedia Commons

## Corona borealis



Apollo on both obv. and rev.  
silver stephanophorus, mid-2nd C BC from Myrina in Aeolis



Athena and her owl,  
silver stephanophorus, c. 136 to 135 BC



Tyche of Smyrna  
mid-2nd C BC

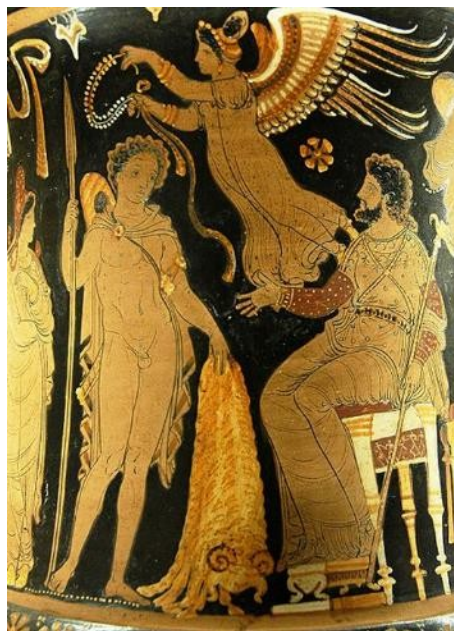
## Classical images – Greek



Nike with a wreath  
Attic black-figure amphora, 550-500 BC  
London, British Museum (Gr 1894, 11-1,161)



Nike crowning the winner of a boxing match  
Amphora with lid, 363-62 BC  
Los Angeles, Getty Museum (no. 93.AE.55)



Nike crowning a youth



Nike from the Herakles Gate  
1-2 C AD  
Ephesus, Turkey

## Corona borealis



Athlete  
Errera painter, skyphos  
S Italian, 340-30 BC  
Boston MFA (no. 03.822)



Female figure with wreath  
Apulian skyphos, 5th C BC  
New York, Cooper Hewitt Museum (1915-11-31)



A symposium

Nikias Painter, Attic red-figure bell krater, c. 420 BC

Madrid, National Archaeological Museum

## Classical images – Greek

## Corona borealis



Bacchus and Ariadne  
Attic red-figure calyx-krater, 400-375 BC  
Paris, Louvre (acc. CA 929)



Bacchus and Ariadne  
Lucanian red-figure volute krater,  
4th C BC  
Toledo OH, (acc. CA 929)

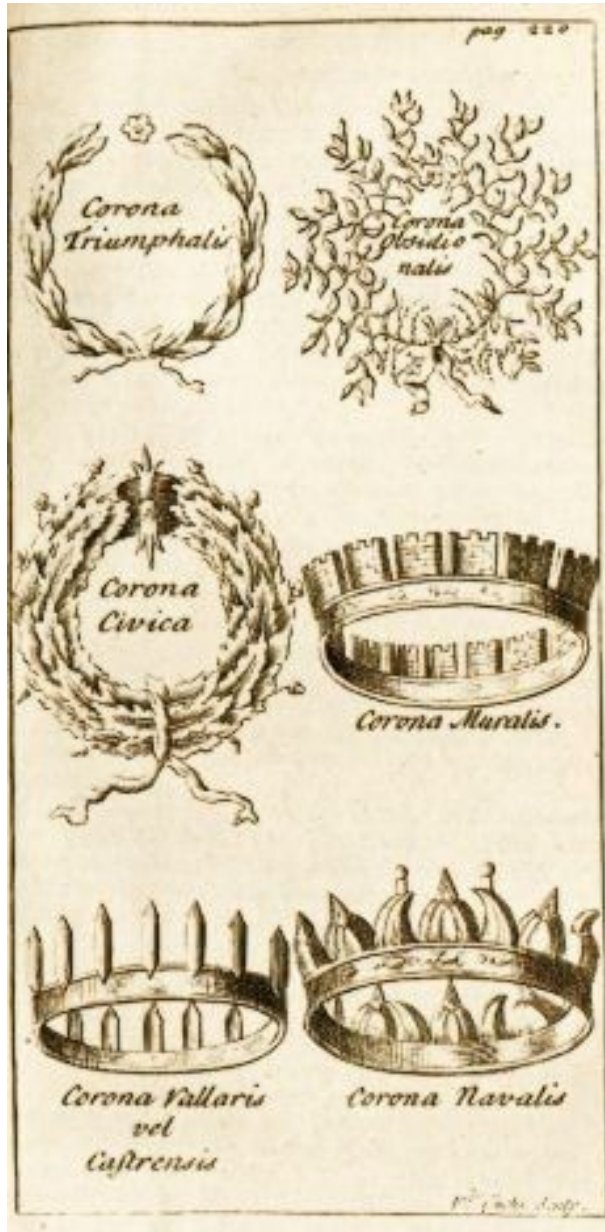


Bacchus and Ariadne  
c. 410 BC  
Naples, National Archaeological  
Museum



Bacchus and Ariadne  
Athenian red-figure cup, 4th C BC  
London, British Museum

# Classical images – Roman



*Corona triumphalis* = laurel wreath for highest military honour

*Corona obsidionalis* or *graminea* = 'siege crown' or 'grass crown' awarded to generals who has laid siege, grass and flowers from siege town

*Corona civica* = oak leaves, for a Roman citizen who had saved another in battle

*Corona muralis* = awarded to the first to storm the ramparts of a siege city

*Corona castrensis vel vallaris* – first to enter and enemy camp

*corona navalis* or *rostrata* or *classica* = awarded in the Roman navy to a soldier or sailor who first stepped on to an enemy ship

(descriptions from Polybius)

# Corona borealis



Coin of Diocletian with a radiate crown



Civica



Aurea



Navalis



Pediment with *corona civica*  
Rome, Baths of Diocletian



Emperor Claudius as Jupiter with an oak wreath



Emperor Galba (68-69 AD) with a *corona civica*  
Brass sestertius



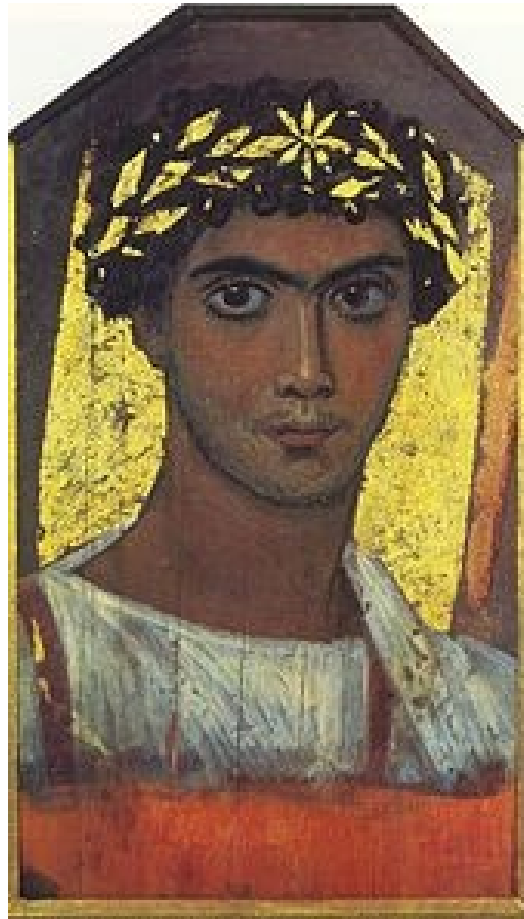
Emperor Hadrian (117-138 AD) with a *radiate crown*  
Brass dupondius



Emperor Constantine II (227-261 AD) with a *pearl-lined diadem*, tied at the bottom with a diadem on top  
Gold solidus



Crown of justification (to represent victory over death in the afterlife = Chapter 19 from the *Book of the Dead*)  
Fayum Mummy portrait  
Los Angeles, Getty Museum



Crown of justification  
Fayum Mummy portrait  
Moscow, Pushkin Museum (no. 5776)



Crown of justification  
Fayum Mummy portrait



## Classical images – Roman

## Corona borealis



Bacchus discovering Ariadne,  
3rd C BC  
Kyoto, Museum Collection Miho  
Museum



Bacchus and Ariadne,  
fresco, from Pompeii  
Naples, National Archaeological  
Museum



Bacchus and Ariadne,  
Fresco  
Tripoli, Jamahiriya Museum (?)



Bacchus and Ariadne,  
3rd C AD  
Libya, Sabratha

# Classical globes

# Corona borealis



Naples, Farnese Atlas  
n.b.: wreath with ribbons  
© Petr Hadrava

Bentley's Manilius



Paris, Kugel Globe  
n.b. – simple circles

Mainz globe  
n.b.: - circling of 'stars'



(drawing © Kunzl)

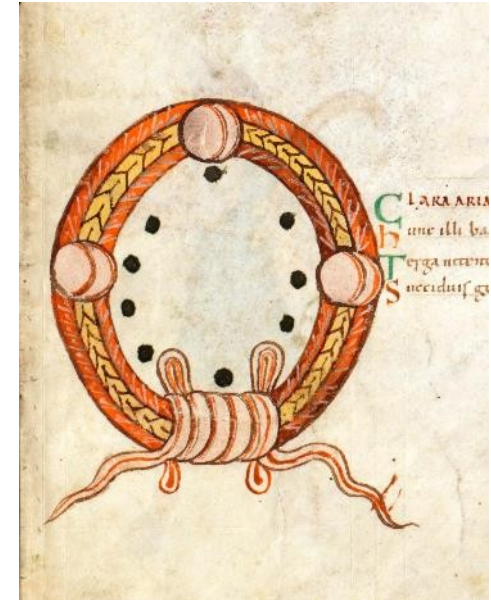
l. = z stemma



Leiden, Univbibl  
Voss lat 4° 79  
n.b.: wreath with ribbons



Boulogne-sur-Mer, Bibl. Mun.  
Ms 188



Bern, Burgerbibl,  
Ms 88



vs. planisphere – same



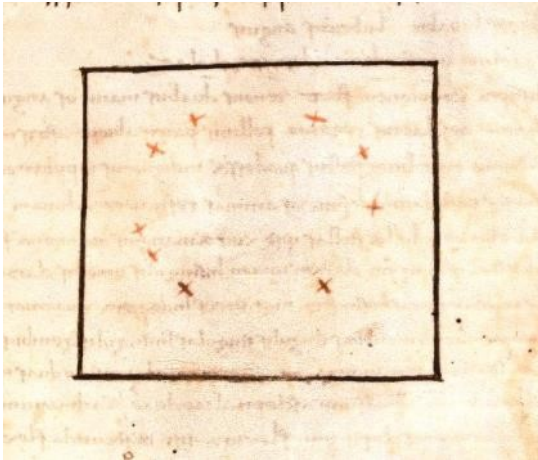
vs. planisphere – same

# Germanicus mss

# Corona borealis

II and III. = O stemma (O<sup>1</sup> or v)

II.



Basle, OBU  
Ms AN.IV . 18  
n.b.: circle of x's, no image

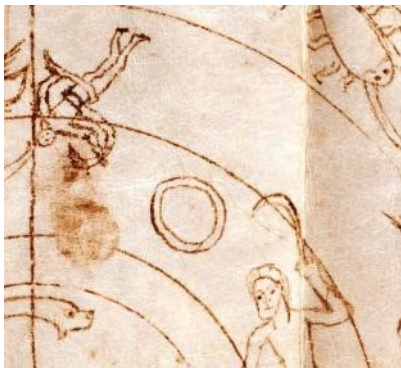
III.



Aberystwyth, NLW  
Ms 735 C  
n.b. – band with round dots and 'ribbons'



vs. planisphere  
n.b. – on the foot of Hercules



vs. planisphere  
n.b. – double circle



vs. schema  
Circle on the foot of Hercules



vs. winter hemisphere  
double circle

# Germanicus mss

IV. = O stemma (O<sup>2</sup> or μ)



Madrid, Bib nac  
Ms 19 (16)  
n.b. – wreath with ribbons and jewel

# Corona borealis

Va. = O stemma (O<sup>2</sup> or μ = Siciliensis)



Cologne, Bib Bodmer  
Cod lat 7  
n.b. – no leaves, multiple gems



NY, Pierpont Morgan Libr  
Ms M 389  
same

Vb.



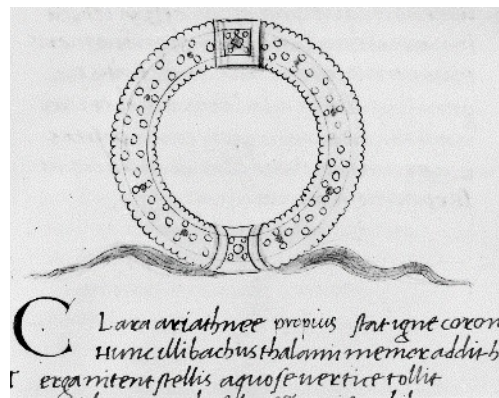
Vatican, BAV  
Barb lat 76  
green wreath

VI.



London BL  
Egerton 1050  
n.b.: wreath with ribbons

VII.



London BL  
Add 15819  
n.b. – double circle with jewels



Naples, Bib naz  
XIV D 37  
same

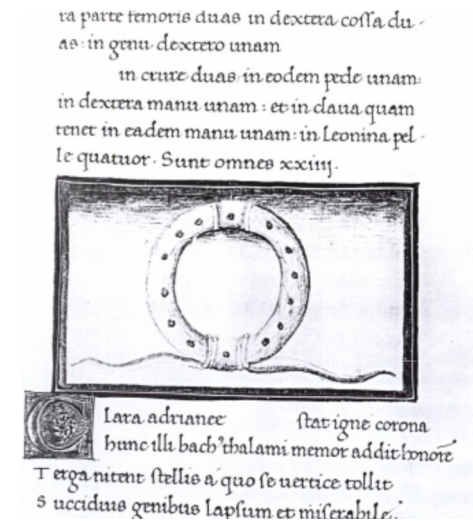
VIIIa.



Madrid Bib Nac  
Ms 8282  
n.b. – jewelled



Vatican, BAV  
Barb lat 77  
same



Vienna, Schottenstift  
Ms 51  
same

VIIIb.



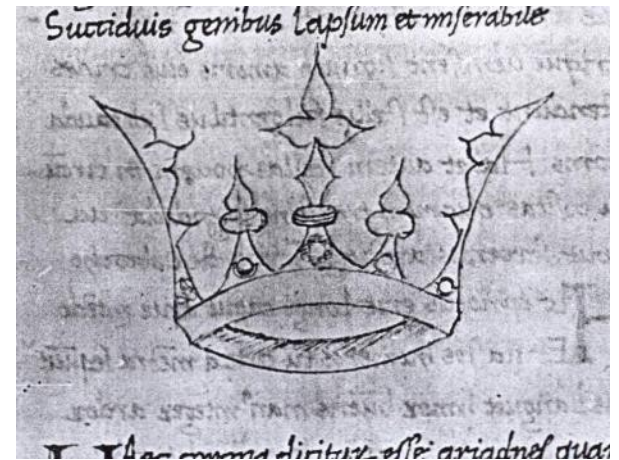
Vatican, BAV  
Urb lat 1358  
same

VIIIc.



Florence, Bibl Laurenziana  
Plut 89 sup 43  
n.b. – band with ribbons, no jewels

IX.



Montpellier  
Ms H 452  
n.b. – crown





Vatican BAV,  
Vat grec 1087  
n.b. – wreath with lozenges and jewels and ribbons



Planisphere  
double circles



Winter hemisphere  
jewels/flowers, without ribbons

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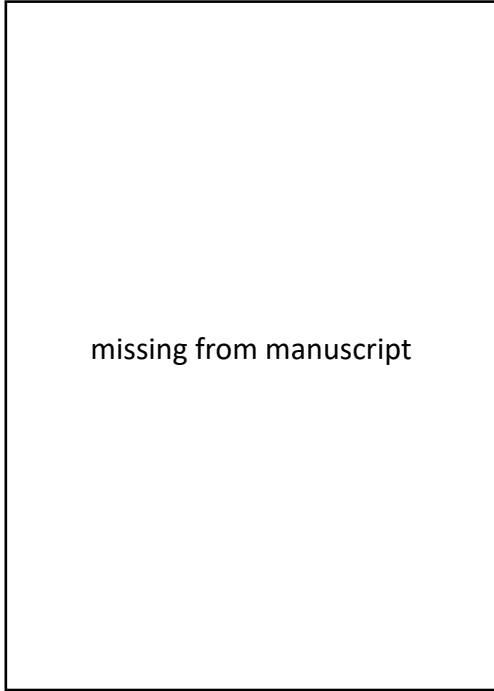
missing from manuscript



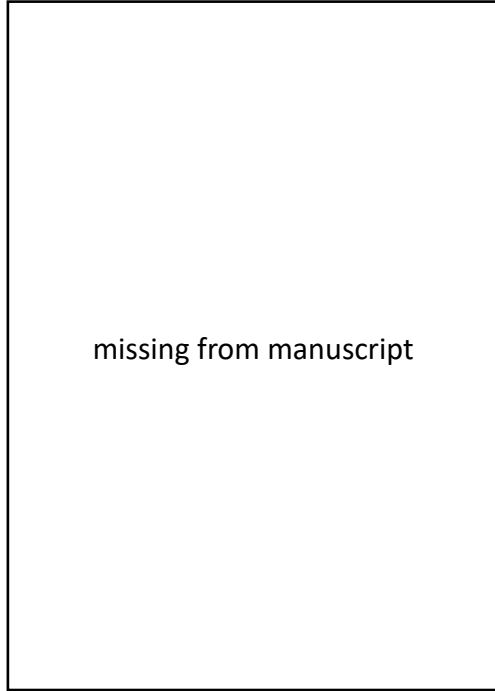
London, BL  
Harley 647

London, BL  
Harley 647 – planisphere  
n.b. – near shoulder of  
Hercules, note the label to  
the right of Hercules

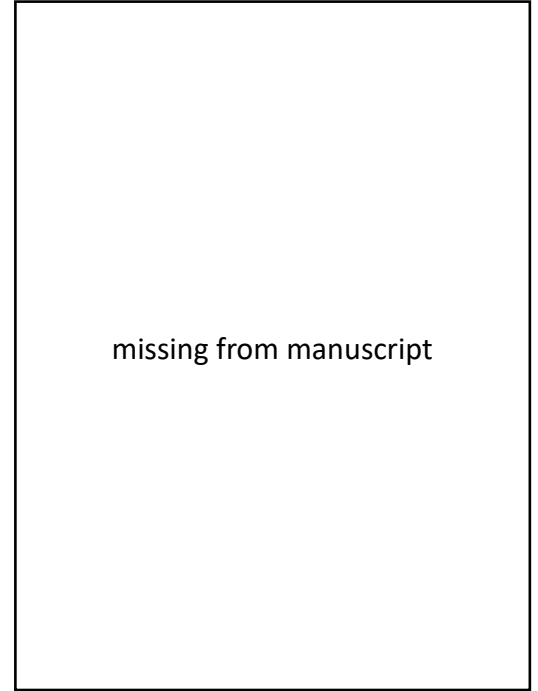
London, BL  
Harley 2506



London, BL  
Cotton ms Tib B.V., pars 1



London, BL  
Cotton Ms Tib C. 1



Gottweig,  
Stiftsbibl Ms 7

I.



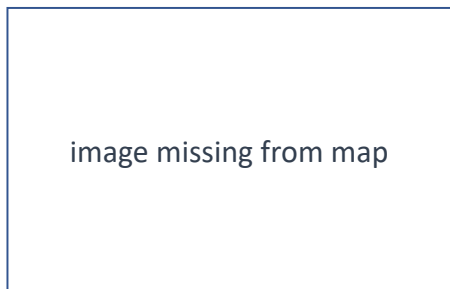
Dresden, Landesbibl.  
 Ms D C 183 –  
 n.b. – circlet of circles (stars)



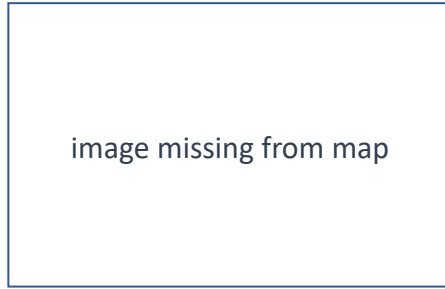
Paris BN  
 Lat 12957  
 n.b. – similar, but with wrapping band  
 at bottom, also note ancillary figure



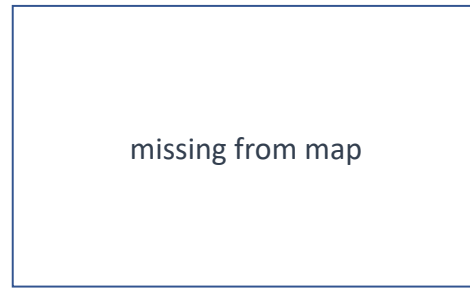
Prague, Univbibl  
 Ms IX. C. 6 (1717)  
 n.b. – similar, but more like  
 twisted wreath



Dresden  
 winter hemisphere



Paris – winter hemisphere

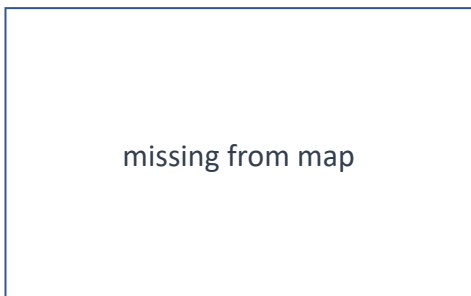


Prague – summer hemisphere / globe

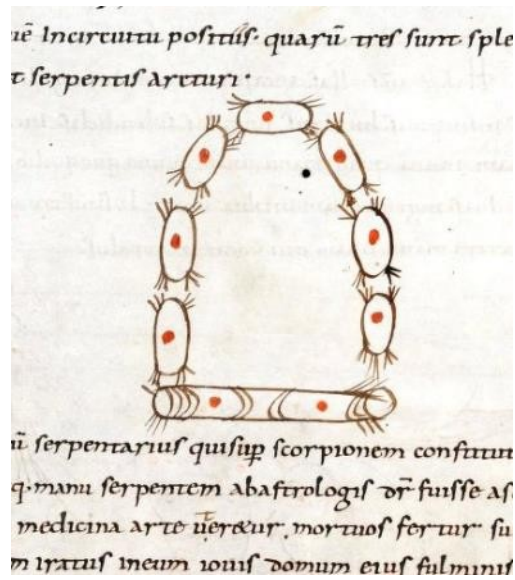
1a.



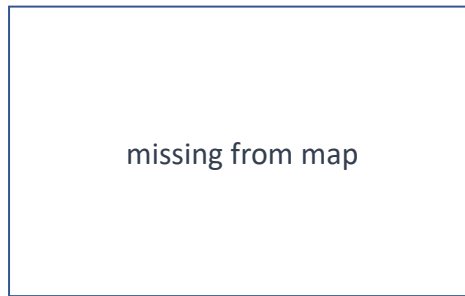
St Gallen, Stiftsbibl  
Ms 902  
n.b. – D-shaped ovals



winter hemisphere

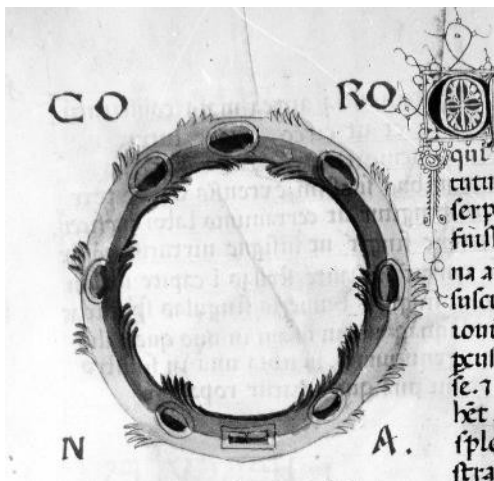


St Gallen, Stiftsbibl  
Ms 250  
same



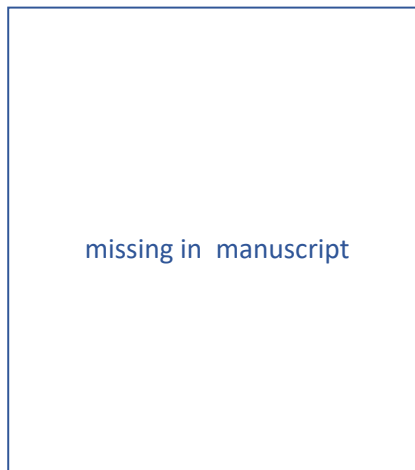
winter hemisphere

Ib.

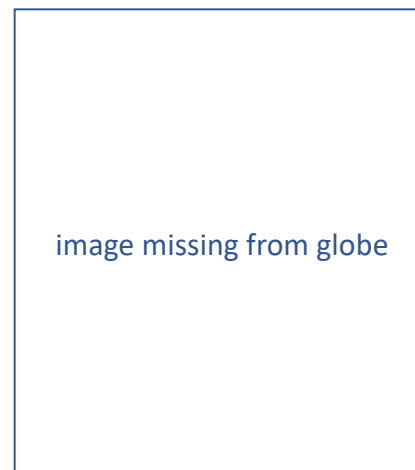


Gottweig, Stiftsbibl.  
Ms 7 (146)

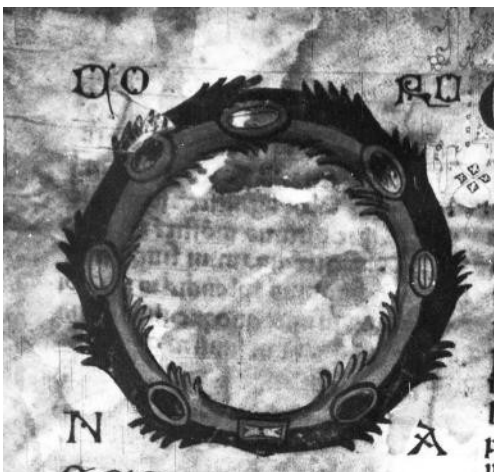
n.b. – wreath with tufts and jewels



hemisphere

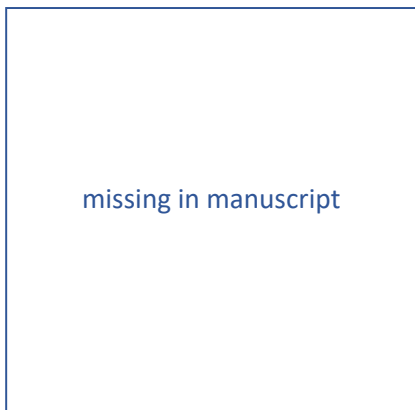


globe

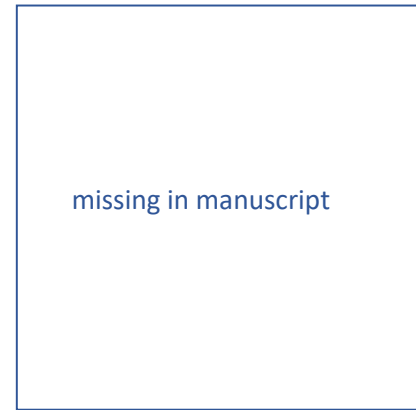


Siena, Bib com  
Ms L. IV. 25

n. b. -- same

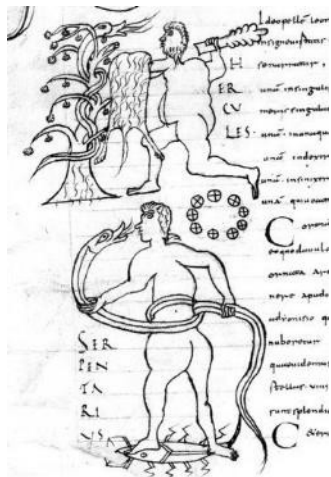


summer hemisphere

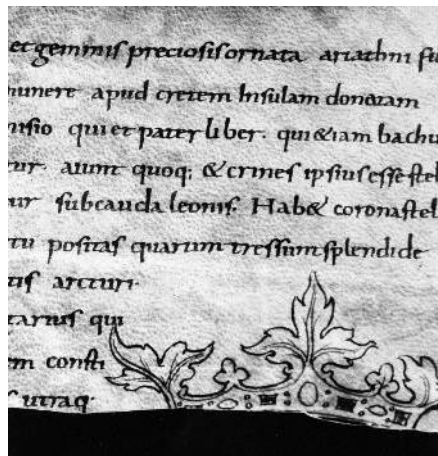


globe

I. (distant relative)



Paris BN  
n.a. 1614  
n.b. – circle of stars, beneath leg of Hercules and behind Ophiuchus



Munich, Staatsbibl.  
Clm 560  
n.b. – metallic crown



Vatican, BAV  
Reg lat 1324  
n.b. – male face with crown and stars



summer hemisphere



globe



summer hemisphere



globe



summer hemisphere



globe

II.

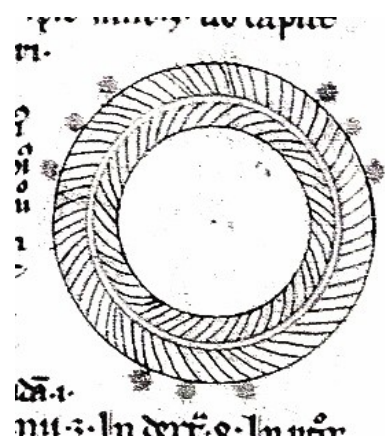


Image missing from manuscript

Cologne, Dombibliothek  
Ms 83.11



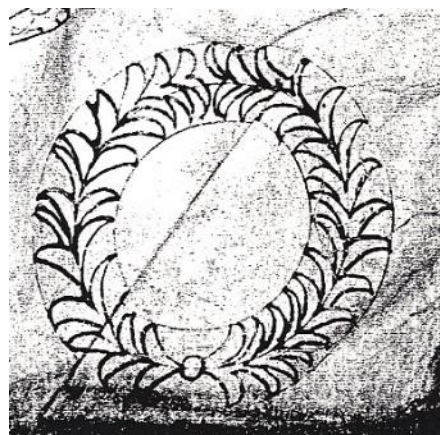
I.



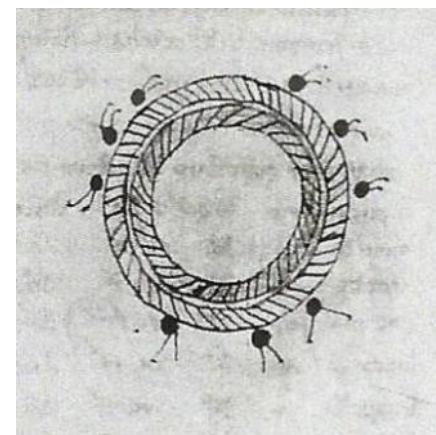
Oxford, Bodleian Library  
Laud misc 644  
n.b. – highly abstract wreath



Venice, Bib Marciana  
Ms VIII, 22  
n.b. – similar





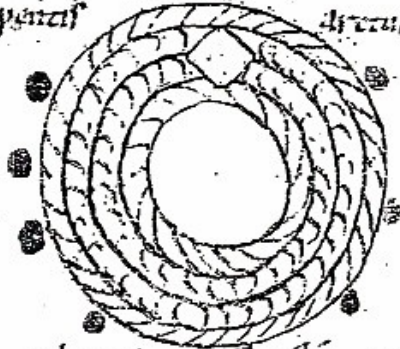
Padua, Bibl Antoniona  
Ms Anton 27  
n.b. – more naturalistic leaves



Paris BN  
lat. 14754  
n.b. – similar, most like Oxford

la.

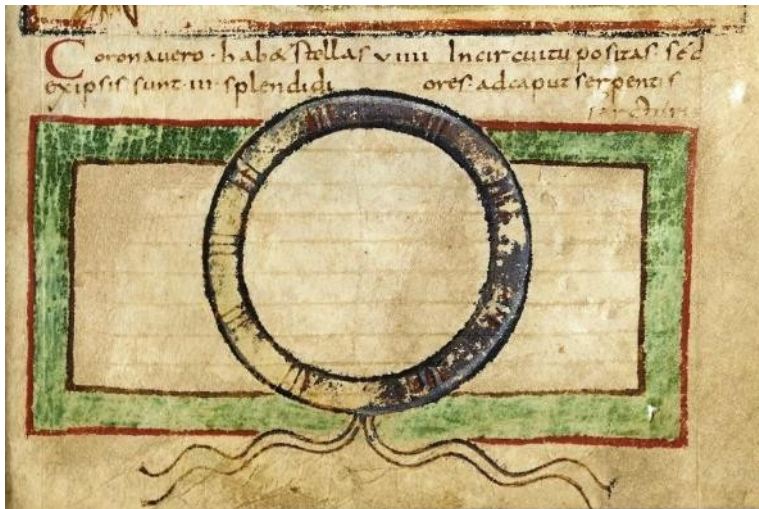
na u lē  stellis. viii. in circuitu  
sistat. ex his sc. iiii. splendidi. oris. ab  
serpentis  dicitur.



maximus q̄. dicitur. uocatur. hanc u  
p̄p̄ione. tenet. serpente. in manib; hē  
e. stell. sp̄t. i. in sinistra. manu. iiii.  
iii. in utroq; humero. splendidi. i.  
a. lū. bis. i. in utroq; cornu. i. in dext.

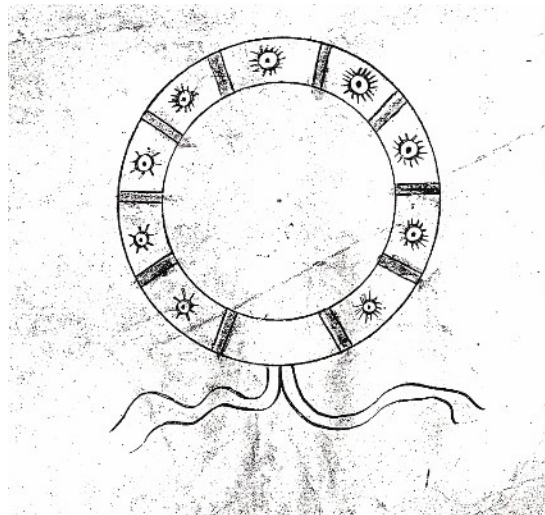
Dijon  
Bib mun, Ms 488  
n.b. – similar, but with large jewel

IIa.



Paris, BN  
Lat 5543

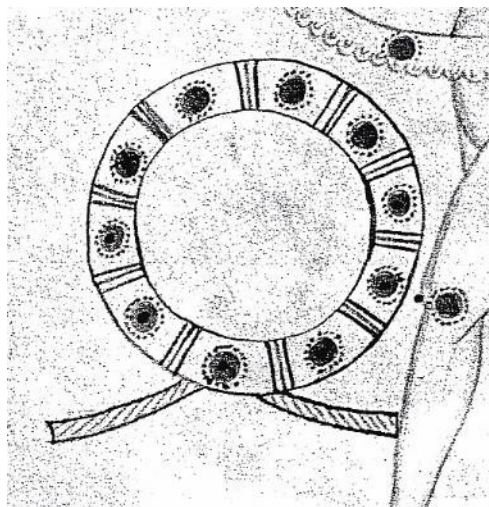
n.b. – segmented band with ribbons



Paris, BN  
Lat 5239

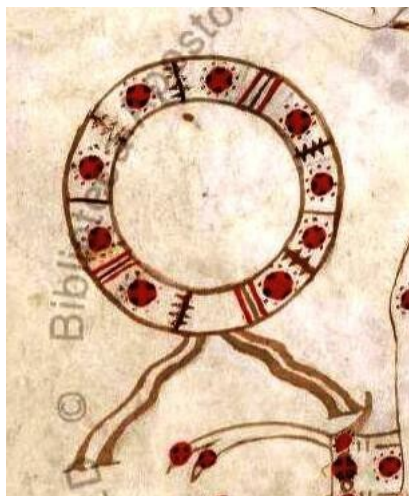
n.b. – similar, with more prominent  
jewels/stars

IIb.



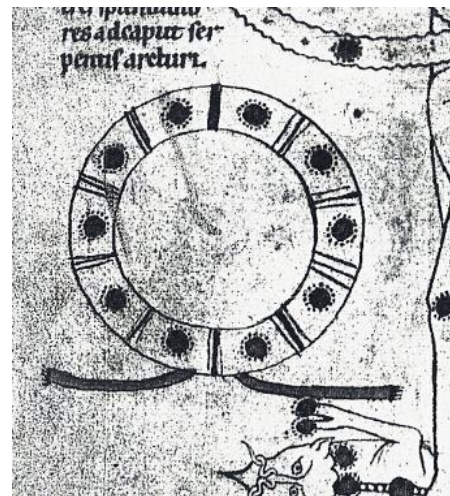
Klosterneuburg,  
Stiftskirche, Ms 685

n.b. – segmented band with stars and  
ribbon



Vatican, BAV  
Vat lat 643

n.b. – same

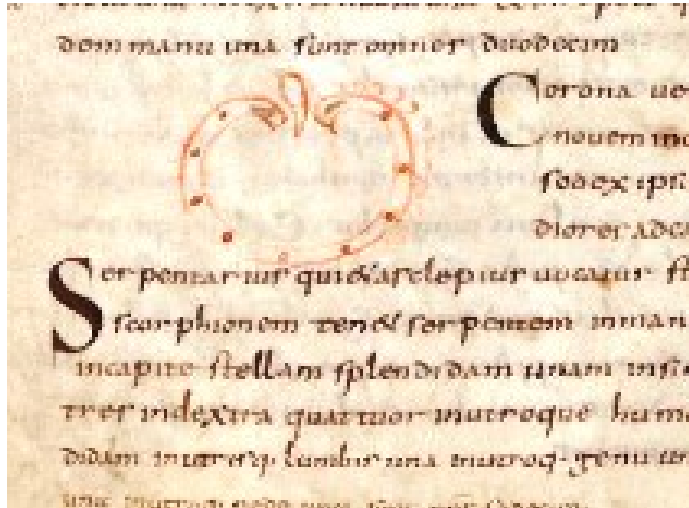


Zwettl, Stiftskirche

Ms 296

n.b. – same, closer to Klosterneuburg

III.



Laon  
Bibl mun, Ms 422  
n.b. – torque-like construction

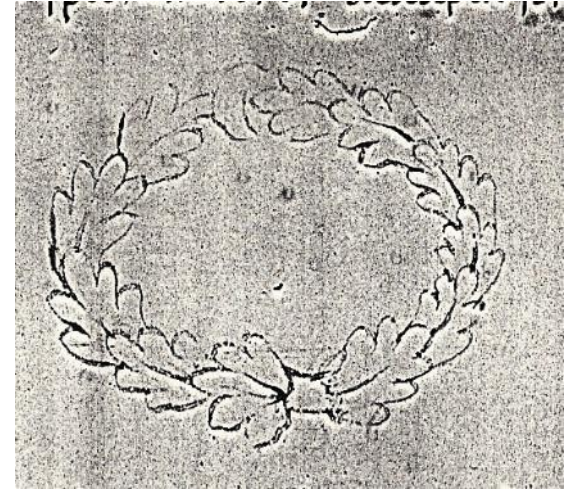


Rouen,  
Bibl mun, 26  
n.b. – collar with a ring

Singletons

image missing from manuscript

image missing from manuscript

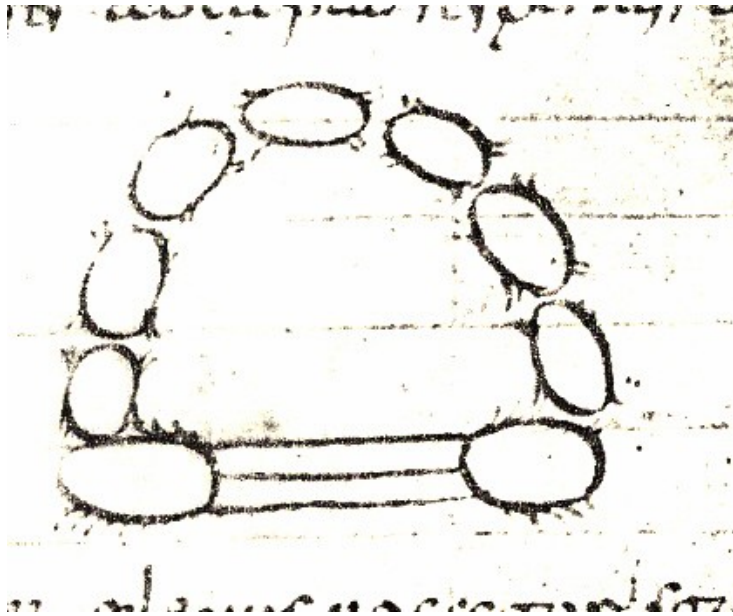


Amiens  
Bibl mun, Ms 222

Durham, Cathedral Libr  
Hunter 100

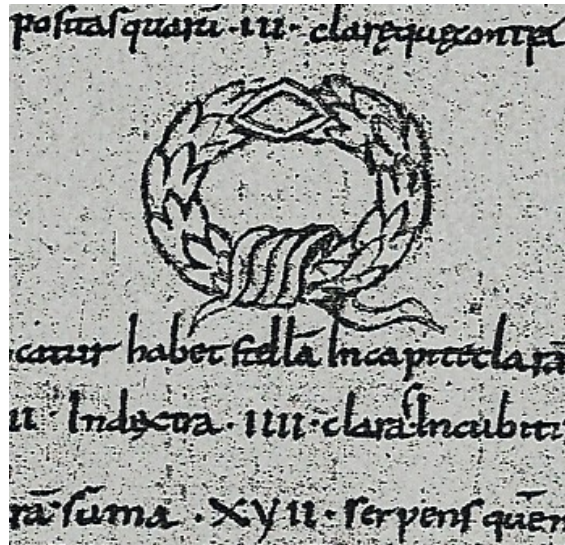
Freiburg-im-Bresgau  
Ms 35  
n.b. – leafy wreath

## Singletons



Montecassino,  
Badia, Ms 3  
n.b. – D-shaped

1a.



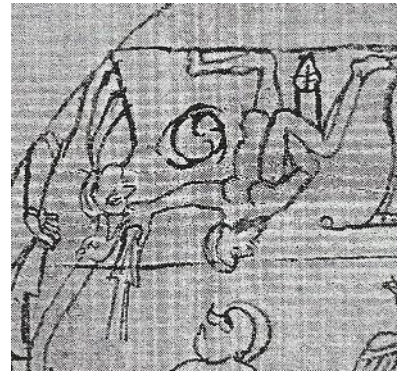
Berlin, Staatsbibl  
Ms lat 130 (Phill 1832)  
n.b. – wreath with jewel and ribbon



Monza, Bib capit  
Ms F. 9/176 (246)  
n.b. – similar



Berlin planisphere  
n.b. – same, but with fork-like projection



winter hemisphere  
Ms F. 9/176 (246)



la.



Madrid, Bib Nac  
Ms 3307

n.b. – wreath with large jewel

lb.



Vatican BAV,  
Vat lat 645

n.b. – similar, but on side and with ribbon

II.



Munich, Staatsbibl. Ms clm 210

n.b. – rays coming from a purple centre? with stars.



Vienna, ONB  
Vindob 387  
similar



planisphere

n.b. – wreath with ribbons

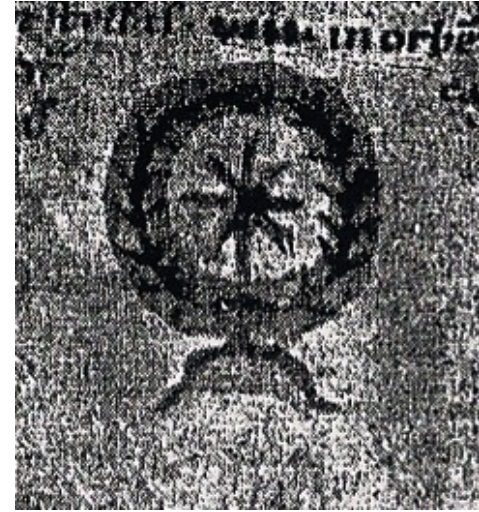
III.



Austin TX, Harry Ransom,  
Univ of Texas, Ms 29  
n.b. – highly decorative circular structure



Paris BN  
lat n.a. 1614  
n. b. – wreath with jewel and ribbons



St Petersburg, Nat Libr  
Ms Q v IX, no 2  
n.b. – wreath with ribbon and star in the  
centre

IV.



Paris BN  
lat 12117  
n.b.— circle with decorative jewels and flourish  
below



Vatican BAV,  
Reg lat 309  
n.b. — same

V.



Los Angeles, Getty Mus  
Ludwig XII, 5  
n.b. – circular structure with cross inside

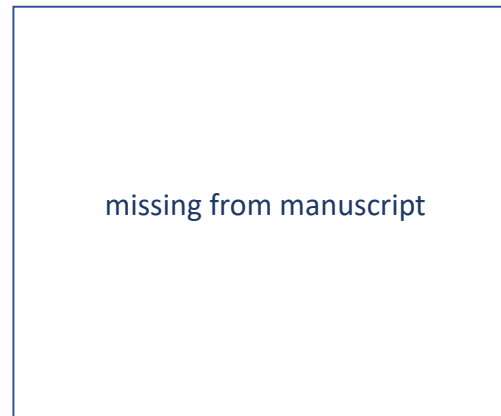


Paris BN,  
lat 8663  
n.b. – torque (?) with decoration at top

Singletons



Vienna, ONB  
Vindob 12600  
n.b. – leafy wreath tied at bottom

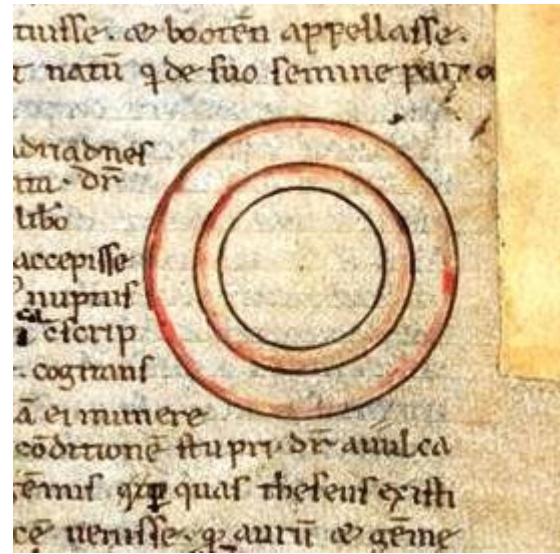


Reykjavik  
Ms 1812

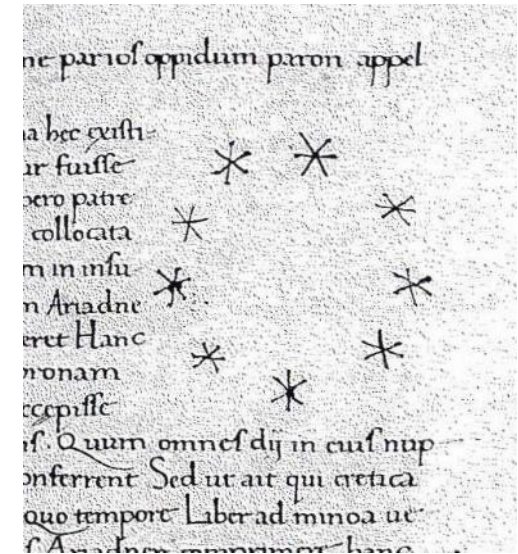
1a.



S Paul im Lavantthal  
Ms 16/1 (XXV. 4. 20)  
n.b. – leafy wreath

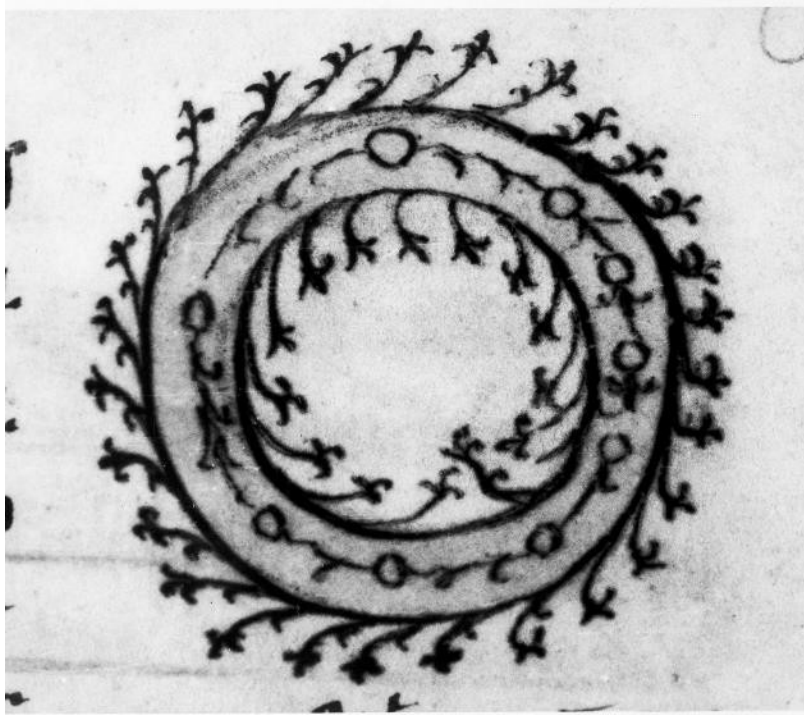


Florence, Bibl Laurenziana  
Ms Plut 29.30  
n.b. – concentric circles



Leiden, Univ-bibl  
Voss 8°18  
n.b. – circlet of stars

Ib.



Wolfenbüttel, Herz Aug  
Ms 18. 16. Aug 4°  
n.b. – decorated circles / wreath



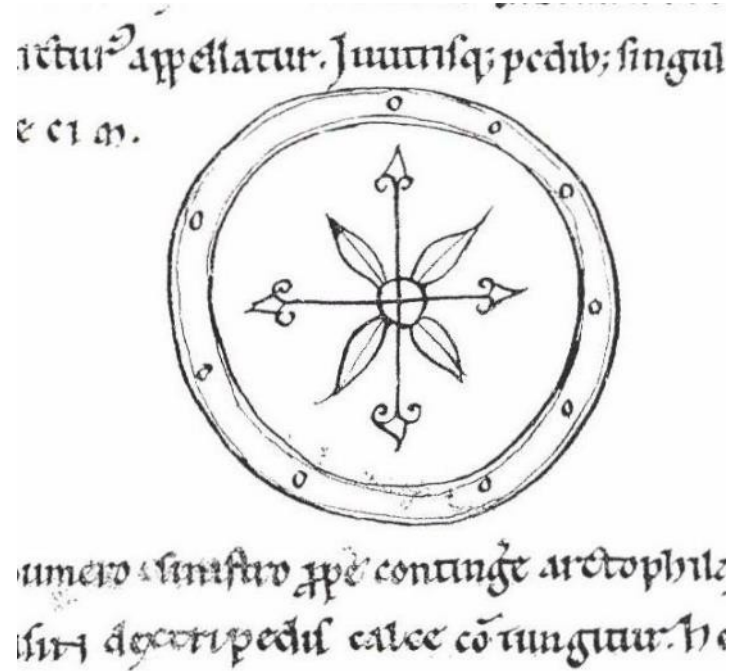
London BL  
Arundel 339  
n.b. – circles, with circular stars at a 5-  
pointed star in the middle

Ic. (singleton)



Vienna ONB  
Vindob 51  
n.b. – concentric circles

II. (singleton)



Leiden Univ-bibl  
Voss lat 4° 92  
n.b. – double-circles with circlet stars and decorated cross in the middle



## III.



Leiden Univ-bibl  
Voss lat 8° 15

n.b. – segmented band with decorative jewels and ribbon at bottom (see ps. Bede Paris lat 5543 and 5239)

Vatican BAV  
Reg lat 123

n.b.. – segmented band with stars and ribbon at bottom (see Ps-Bede – Klosterneuberg and Zwettl)

planisphere  
n.b.. – circlet of stars

IV.



Oxford, Bodleian Libr  
Bodley 614

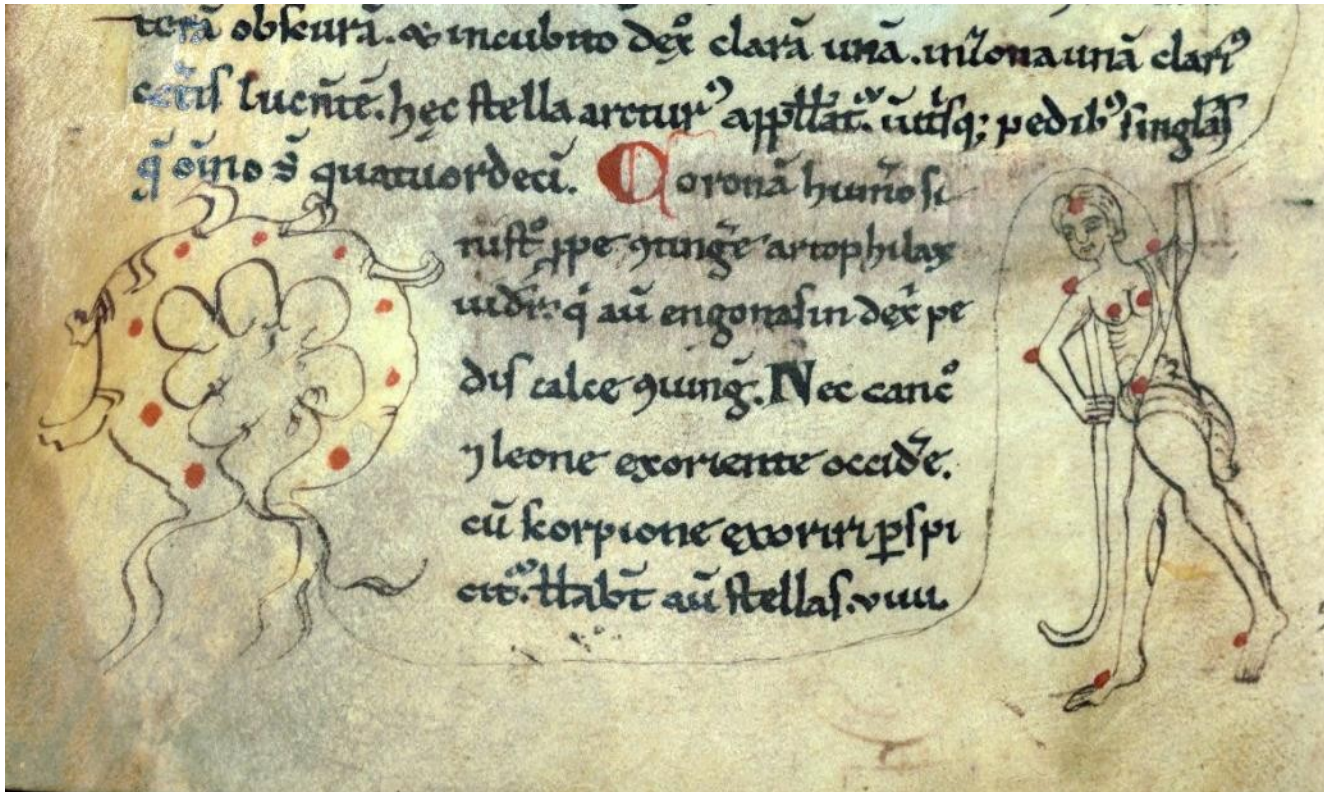
n.b. – circular stars within a disc held by a female figure



Oxford, Bodleian Libr  
Digby 83 (SC 1684)

n.b. – same

## V. (singleton)

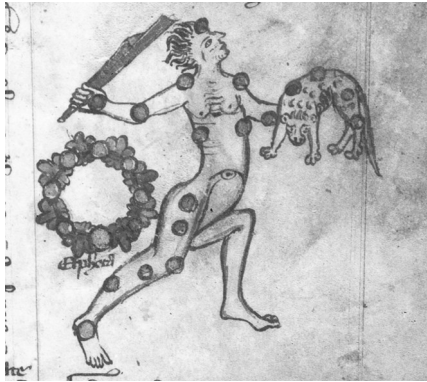


Baltimore, Walters Art Gallery

Ms 734

n.b. – wreath with tendrils; note hand of Boötes being split to hold the Corona as well as Draco inter arctos

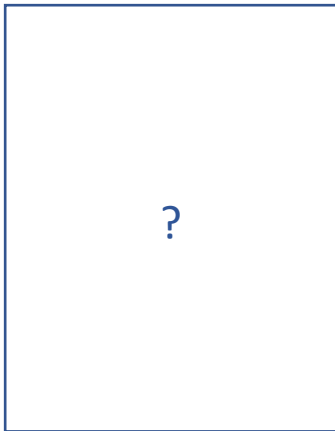
VI. (singleton)



Berlin, Staatsbibl.  
Ms 8° 44 (Rose 962)

n.b. – flowery wreath behind Hercules

VI- related: German Star Books ('secundum Hyginum')

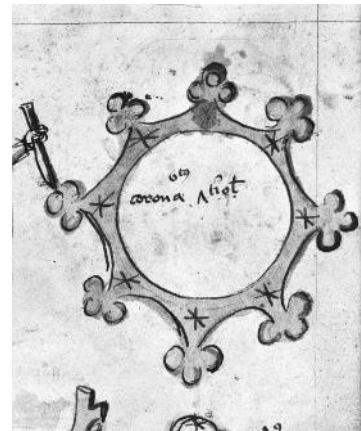


Lyon, Bib mun, Pal des  
Arts 45



Lyon, Bib mun  
Ms 172

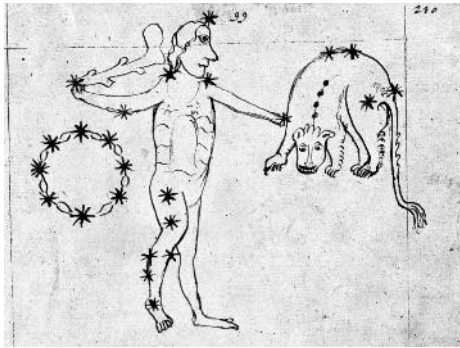
flowery wreath behind Hercules



Munich, Staatsbibl  
Germ 595

decorated circular structure/crown

VI- related: German Star Books ('secundum Hyginum')



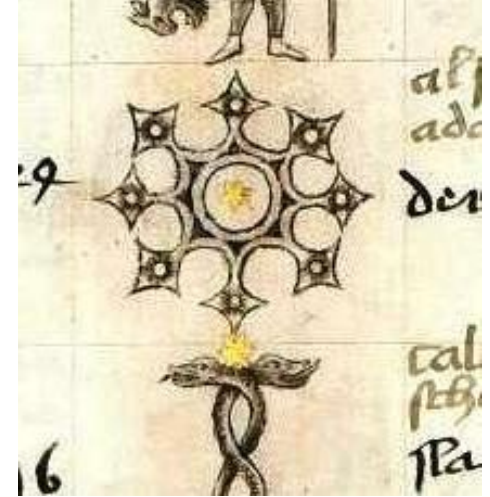
Munich, Staatsbibl  
Clm 59  
n.b. – circlet behind Hercules



Vatican BAV  
Pal.lat. 1369  
like Munich 595



Vatican BAV  
Pal.lat. 1389  
similar to Munich 59



Wolfenbüttel Herz Aug  
Guelf 81 24 Aug 2  
n.b. – like Munich 595

VII. (singleton)



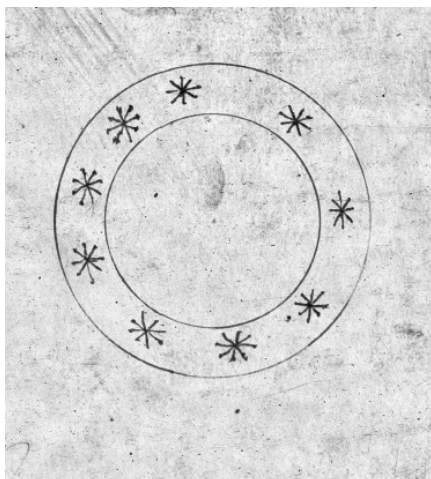
London BL,  
Roy Ms 13. A. XI  
n.b. – 'Green Man' within a wreath set below Bootes

VIII. (singleton)



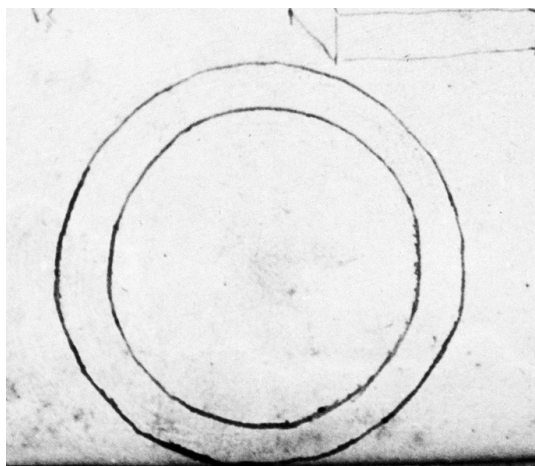
Munich, Staatsbibl.  
CIm 10270  
n.b. – two snakes forming a cirlet, set above Hercules

IXa.



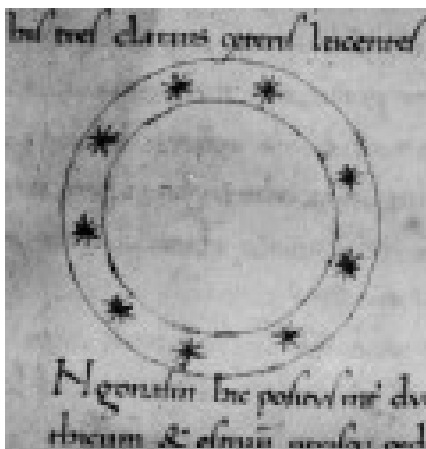
Cambridge, Fitzwilliam Mus  
Ms 260

n.b. – double-circles with stars



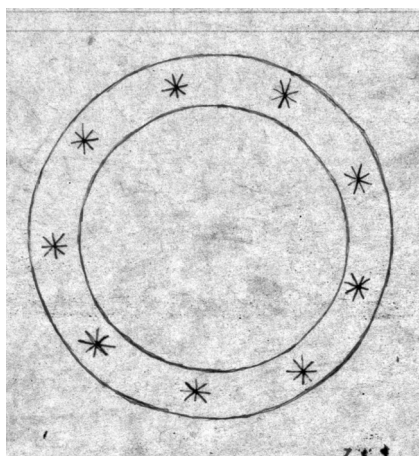
Florence, BN  
Magl XI. 141

n.b. – same, without stars



Milan, Bibl. Ambrosiana  
T. 47 sup

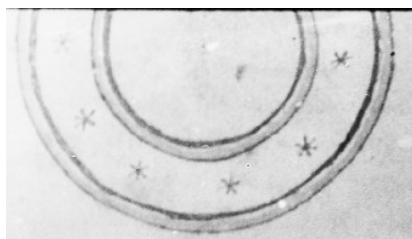
related to Fitzwilliam ms



Oxford, Bodleian Libr  
Can. class lat 179

same

IXa (cont'd.)



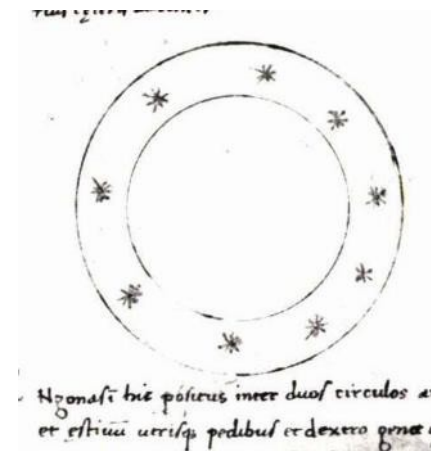
Siena, Bib com  
Ms L. VI. 25  
similar to Fitzwilliam ms



Vatican, BAV  
Vat lat 3109  
n.b. – similar



Vatican, BAV  
Vat lat 3109  
n.b. – same

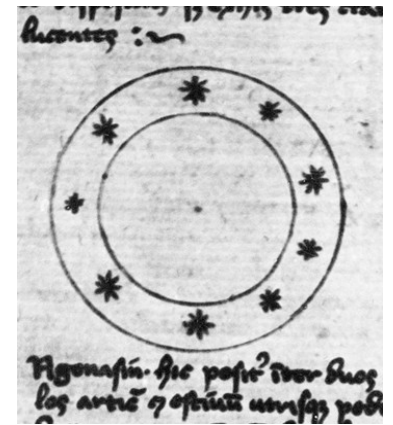
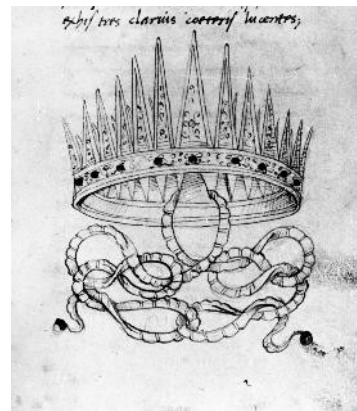
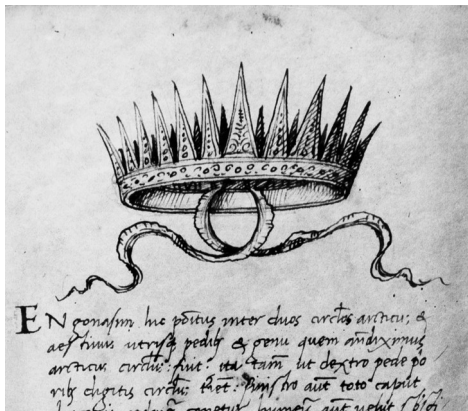


Verona, Bibl capitolare  
Ms CCLXI  
n.b. -- same



IXb.

IXc.



Oxford, Bodleian Library

Can misc 46

n.b. – radiate crown with ribbon

Milan, Bibl Trivulziana

N. 690 (E 83)

same, but more florid

Vatican, BAV

Vat lat 3110

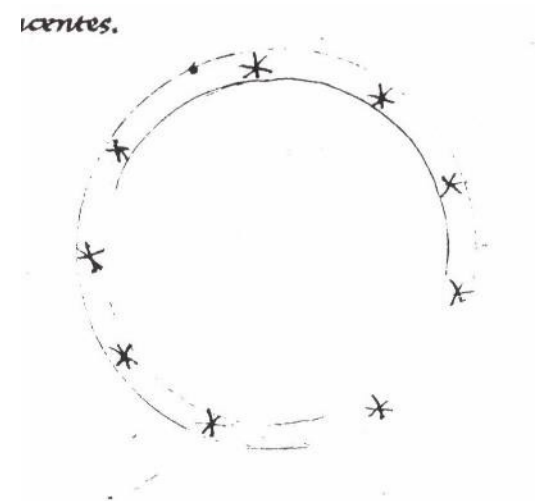
n.b. – double-circle with stars

Florence, BNC

Magl XI. 114,1

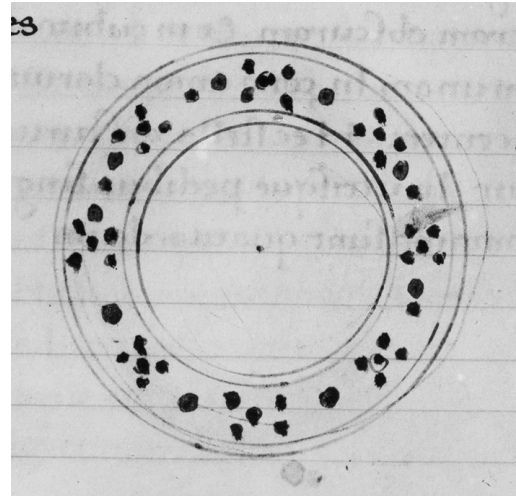
same

IXd. (distant singleton)

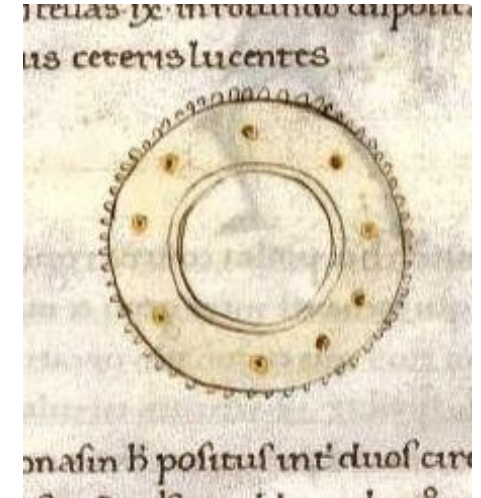


Florence, Bibl Laurenziana  
 Ashburnam1148  
 n.b. – double-circles with stars

IXe.



Pavia, Bibl Univ  
 Aldini 490  
 n.b. – similar, but with more stars



Vatican., BAV  
 Urb lat 1358  
 same, with fewer stars

IXf.



New York, Public Library  
Spencer Ms 28

n.b. – golden crown with stars



Freiberg, Andreas-Möller-Bibl.  
Cl XI 4o 9

same

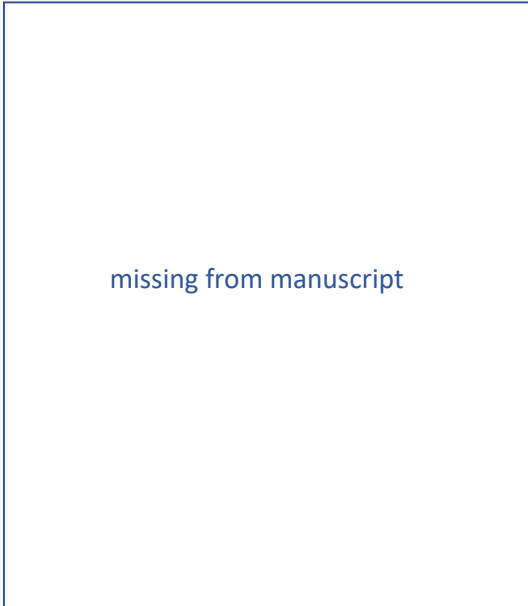
IXg.



Florence, Bib Laurenziana  
Plut 89, sup 43

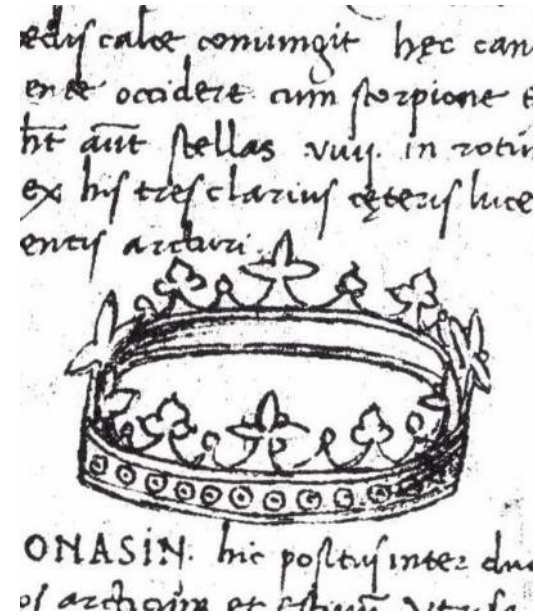
n.b. – two circles with stars

X. (singleton)



Vatican, BAV  
Chigi H. IV. 20

XI. (singleton)



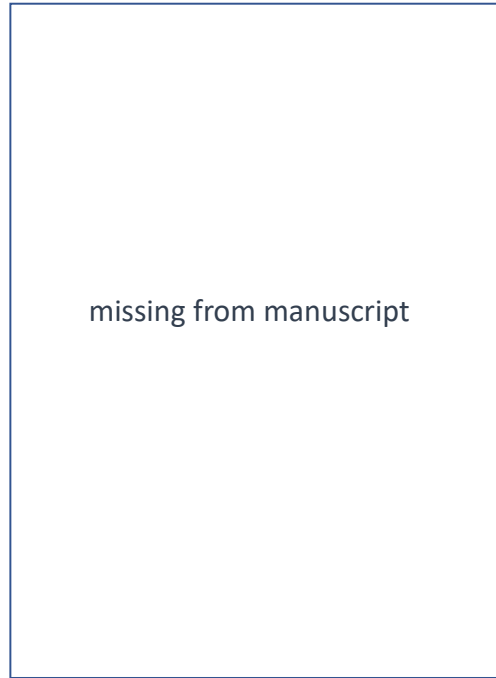
Cortona, Lib del Comune  
Ms 184 (256)  
n.b. – metallic crown

## Hyginus - singletons



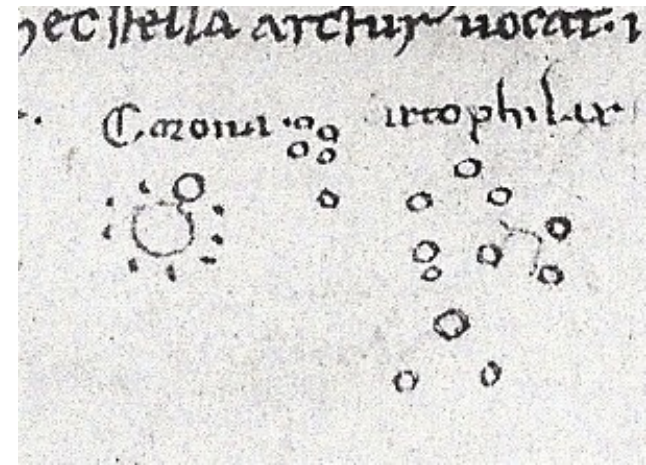
Cambrai, Bibl Mun.  
Ms 933 (832)

n.b. – open-ended leafy wreath



Cambridge, Trinity College  
Ms R 15 32

## Corona borealis



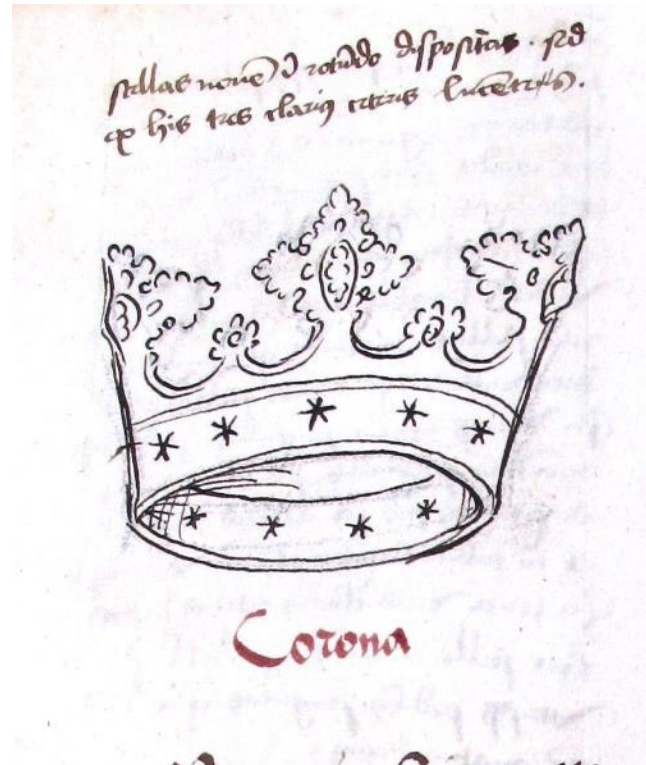
Leiden, Univ.-bibl.  
Gronovius 21

n.b. – circlets with Arctophylax to side

Venice: Ratdolt, 1482



cf Michael Scot = crown with stars along  
the head-band



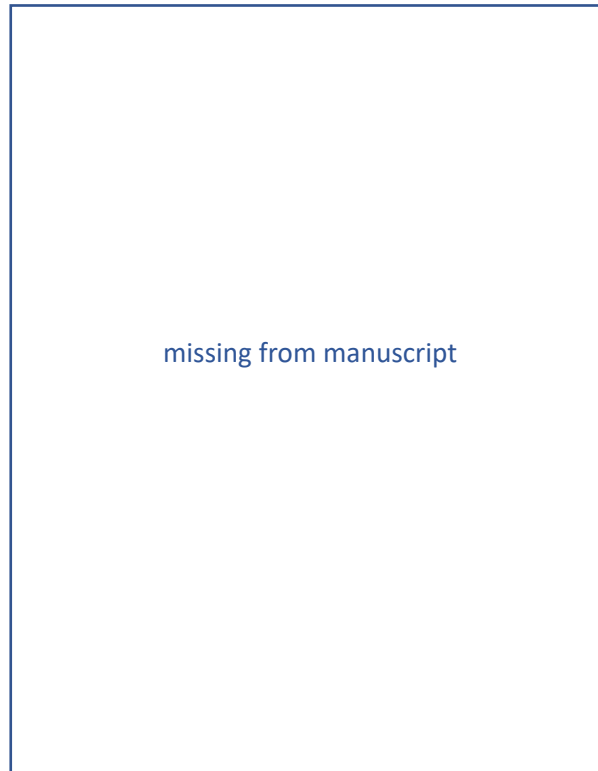
Vienna ÖNB  
Vindob 3111  
same

la.



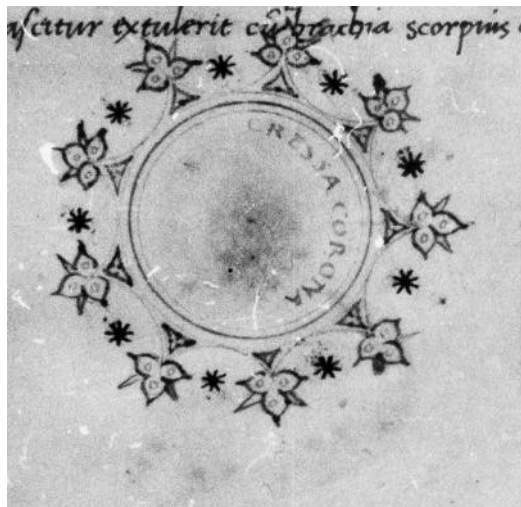
Rimini, Cassa di Risparmio  
(London Sotheby's sale 1992)  
n.b. – Decorative circle alongside  
Bootes/Arctophylax

lb.



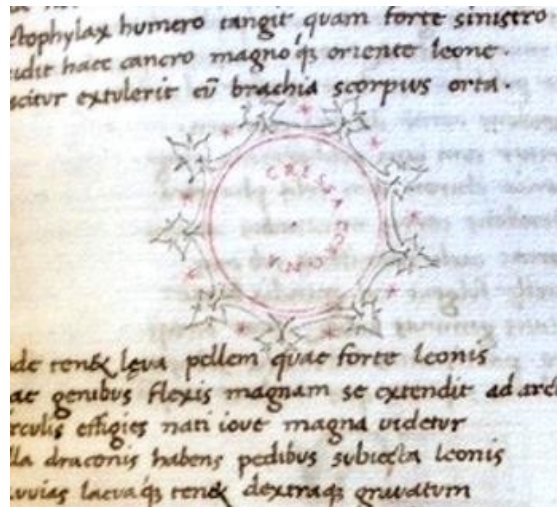
Cambridge, CUL  
Dd IV 64

Ila.



Oxford, Bodleian Libr  
Bodley 646

n.b. – decorative circle with  
stars



Parma, Bibl Palatina,  
Parm 1008

same



Venice, Bibl Marciana  
XII, 194 (4148)

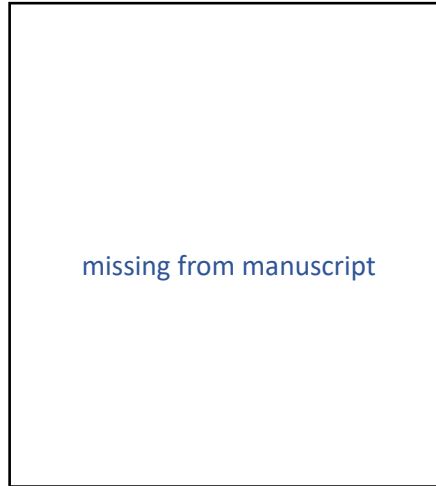
same



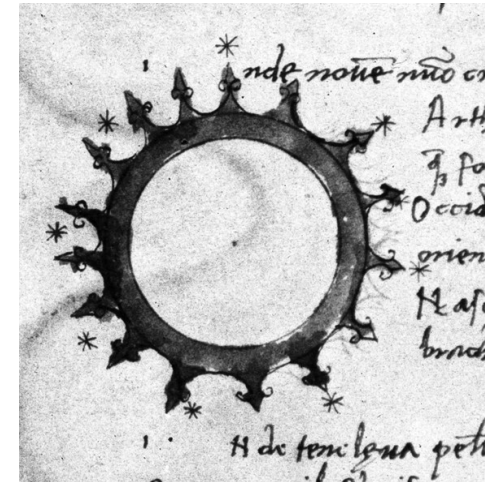
IIb.



Parma, Bibl Palatina  
 Parm 27  
 n.b. – same

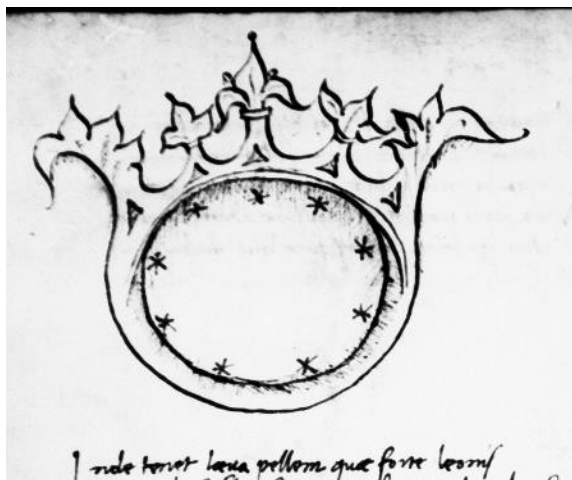


Rome Bibl Casanatense  
 Ms 4059  
 same



Munich, BSB  
 Clm 15743  
 similar, but simpler

III.



Bologna, Bibl Com  
Ms 173

n.b. – ring with a floriate crest and stars

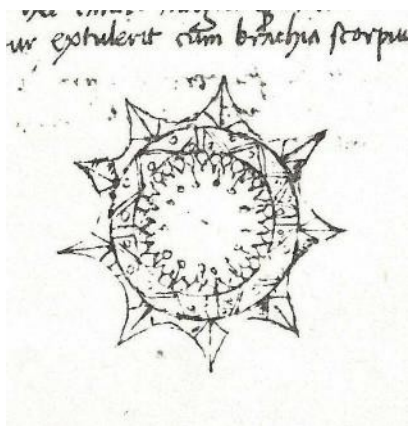
IV.



London, Wellcome Coll  
WMS 122

n.b. – crown with stars

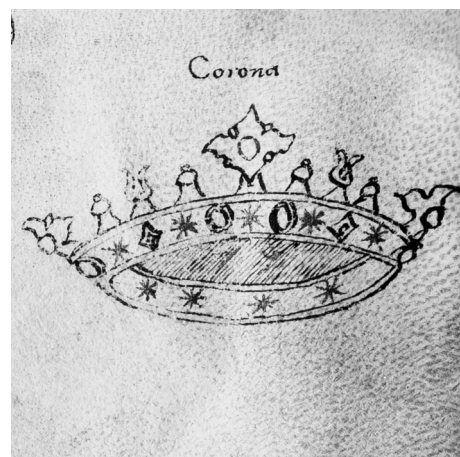
V.



Ravenna, Bib Classense  
Ms 120

n.b. – decorated circle

VI.

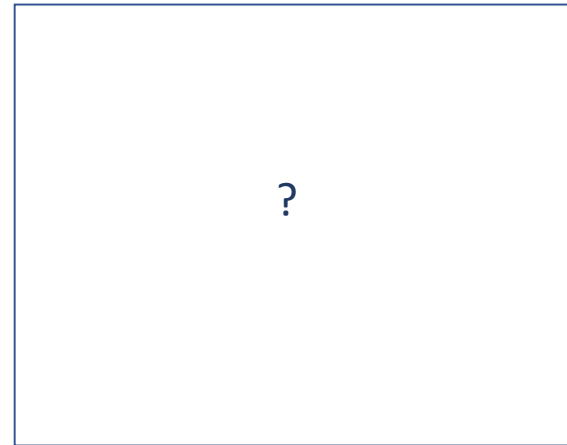


Florence, Bibl Marucelliana  
Ms C. CCLI

cf. Hyginus edn/Michael Scot

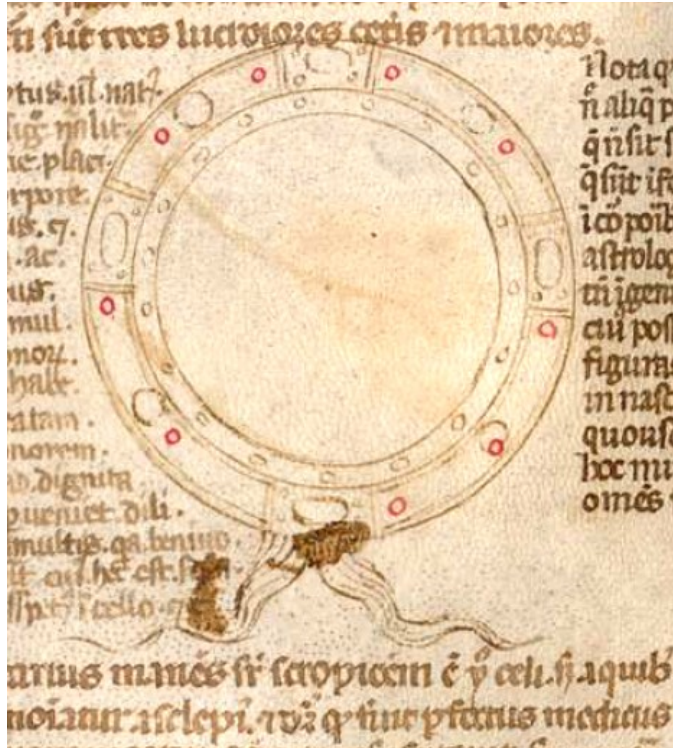


Krakow,  
Rps BJ 3706



Padua, Bibl. Universitaria  
Cod 983

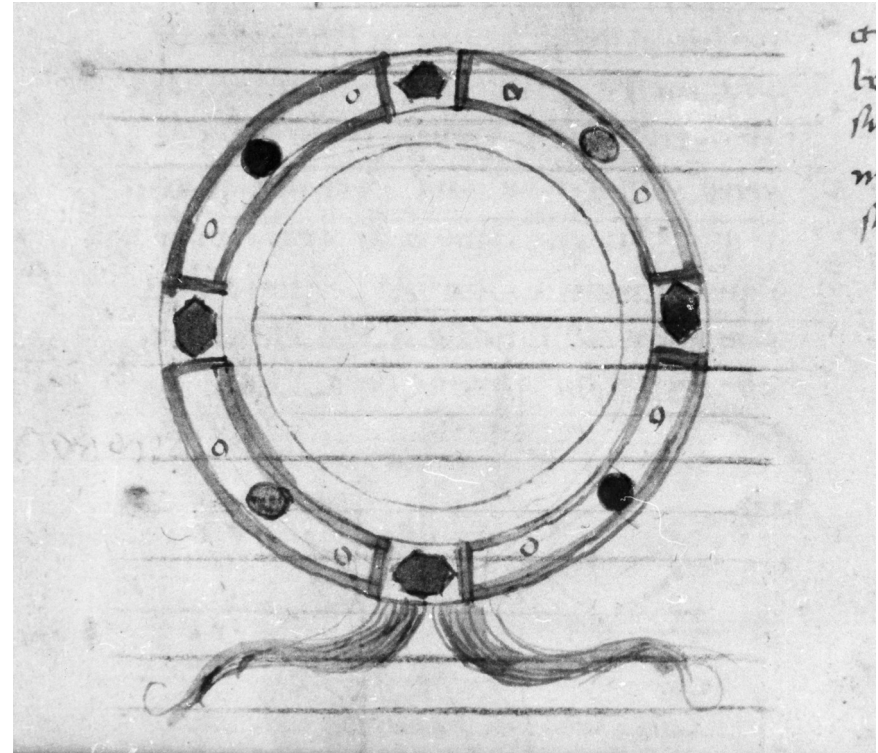
N Italian Group – Ia.



Munich, Staatsbibl

Clm 10268

n.b. – circular band with jewels and circlets for stars, with ribbon at the bottom



Oxford, Bodleian Libr

Bodley Ms 266

same

Corona sive Stephaton est ymago celi, stellas 9 habens multum parisibles, in toto circuitu sui ab invicem distantes.

Que corona dicitur fuisse de gemmis preciosis et auro, data ab Ariadno uxori sue in signum amoris, que continebat crines pro bandis de serico diversorum colorum. (Ackermann 2009, pp. 192-94)

N Italian Group – Ib.



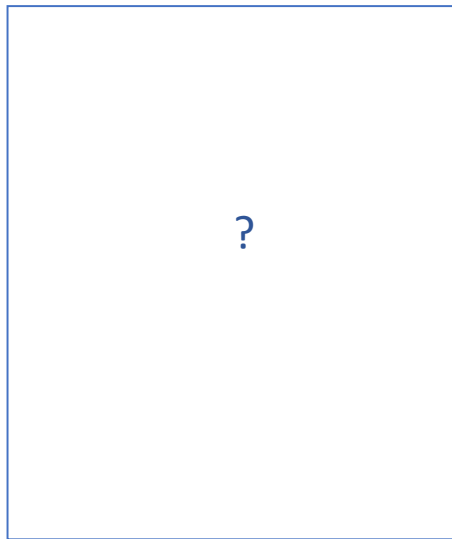
Vatican, BAV  
Vat lat 4087 A



St Petersburg, Nat Libr  
Ms lat F V IX, no. 1

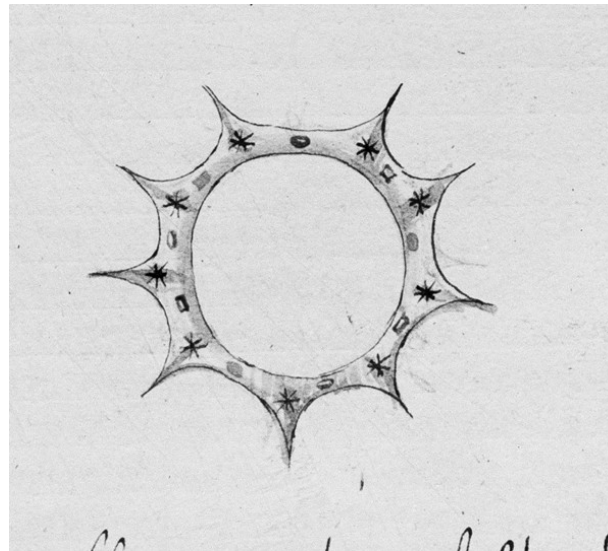
n.b. – schematised wreath with mini-ribbon at botom

N Italian Group – Ic.



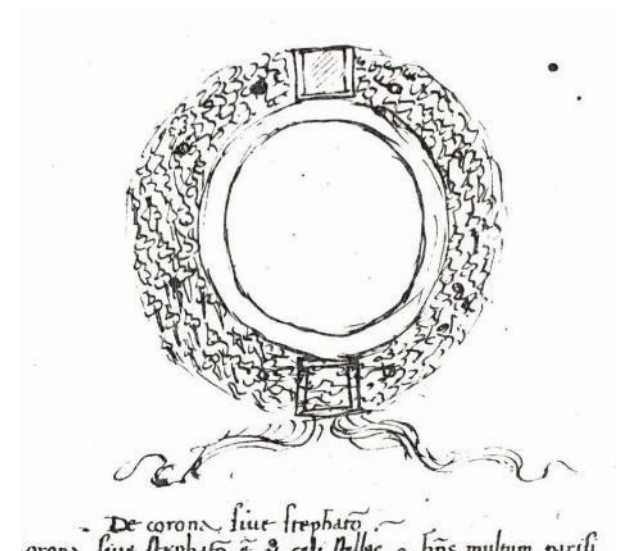
Warsaw, BN, B  
Baw 46

N Italian Group – Id.



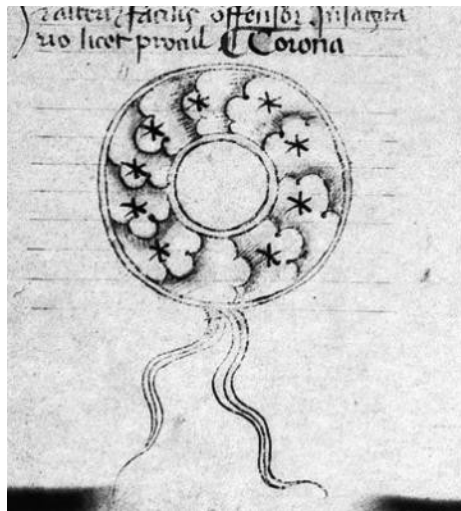
Vienna, ONB  
Vindob 3394  
n.b. – circlet with spikes and gems and stars

N Italian Group – Ie.



Padua, Bibl Seminario  
Cod. 48  
n.b. – wreath with ribbons

Venetian Group – IIa.



London BL  
Add 41600

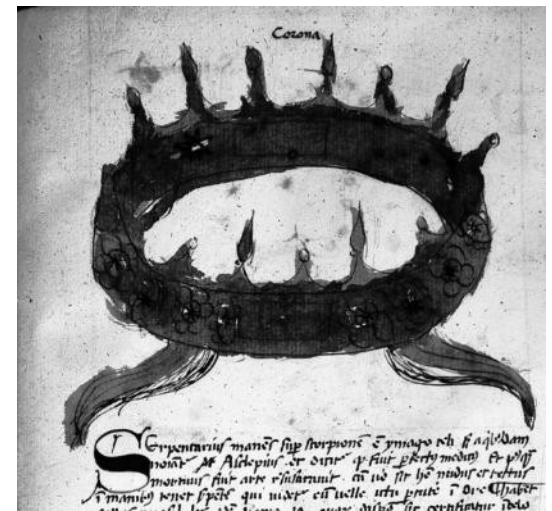
n.b. – stylised wreath with stars and ribbons



London, Wellcome Coll  
Ms 509

same

Venetian Group – IIb.



Milan, Ambrosiana  
Ms I 90 sup

n.b. – wreath with spikes and ribbons

Bohemian Group – IIIa.



Vienna, ONB  
Vindob 2352  
n.b. – leafy wreath with stars and ribbons

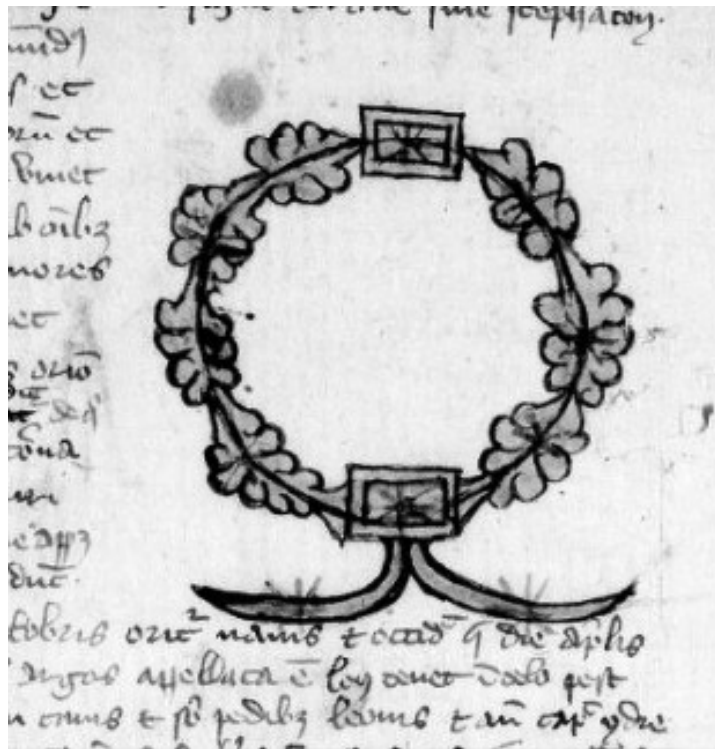


Vienna, ONB  
Vindob 2378  
same



Bohemian – IIIa.

Bohemian – IIIb.



Prague NK,  
Ms III. C. 2

n.b. – figures of the sun (?) with a face and 9 rays ending in fleuettes, surrounded by a wavy band

Paris BN  
lat 7408A

n.b. – stylised leafy wreath with large gem at top and bottom, with ribbons

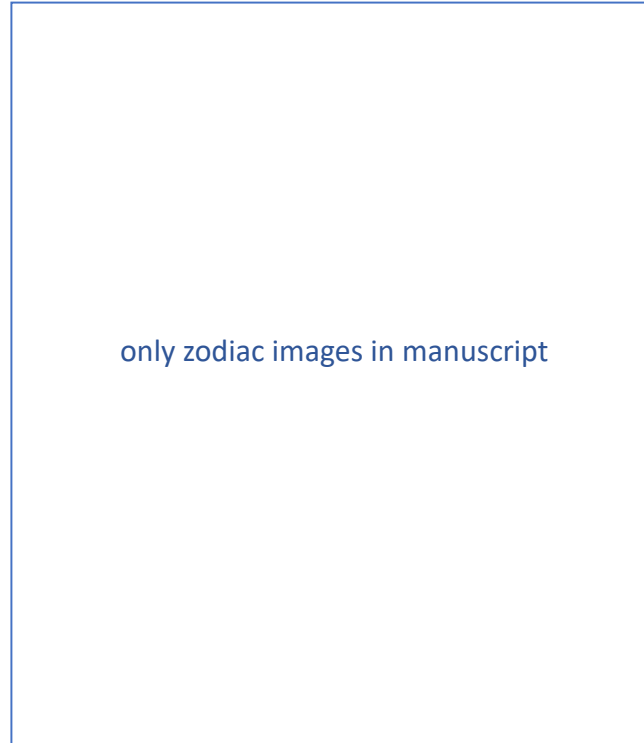
Bohemian – IIIc.



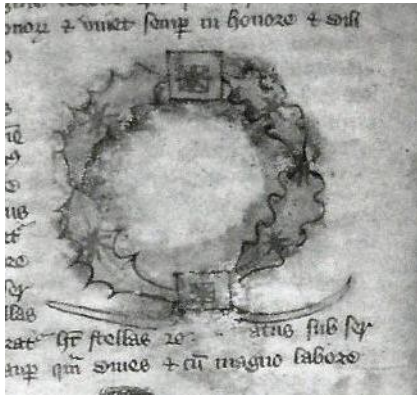
Vienna, ONB  
Vindob 5442

n.b. – central circle surrounded by 9 rays with stars at the end, surrounded by a band and with 2 straps at the bottom labelled: vosa (?)

Bohemian – IIIId.



Cambridge, MA  
Harvard, Houghton  
Libr., Typ 43



Edinburgh, Royal Observatory  
 Ms Cr 3. 23  
 n.b. – leafy wreath with gems  
 at top and bottom and  
 ribbons



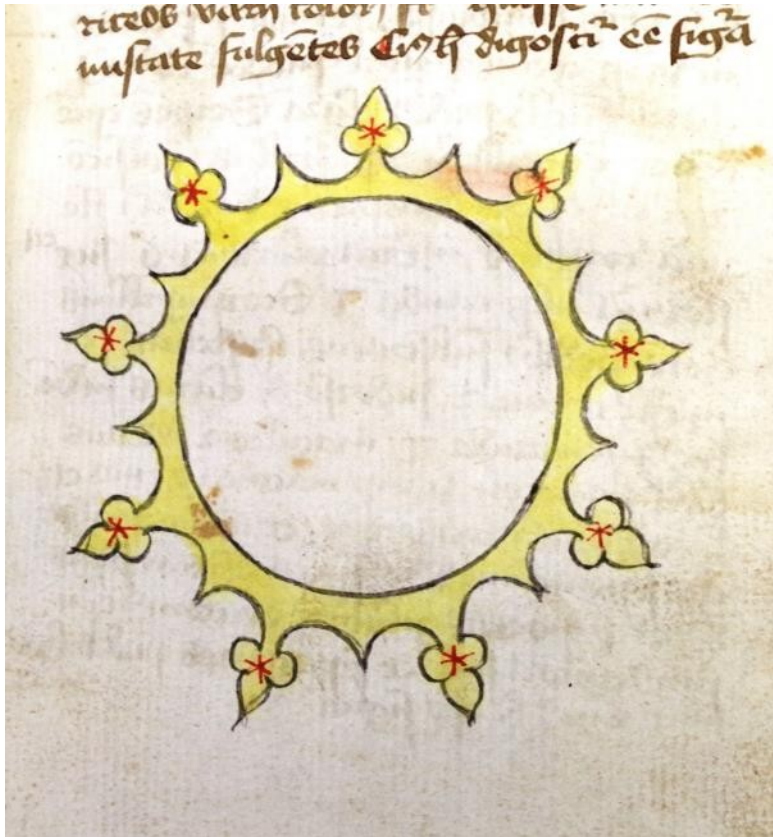
Florence, BNC  
 Magl. XXII, 2



Klosterneuburg, Augustiner  
 Ch-Stift,  
 Ms CCI 125  
 n.b. – jewelled crown

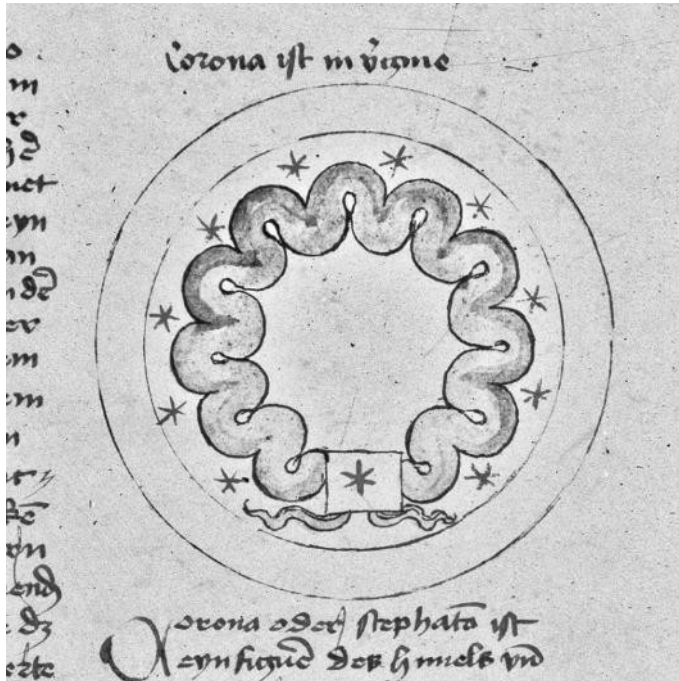


Krakow, Bibl Jagiellonska  
 Rps 573



Prague, Narodni Knihova  
Ms XXXVI A 3  
n.b. – circlet with fleurettes and stars

Seville, Bibl Columbina  
Ms. 7.7.1  
n.b. – leafy wreath with stars



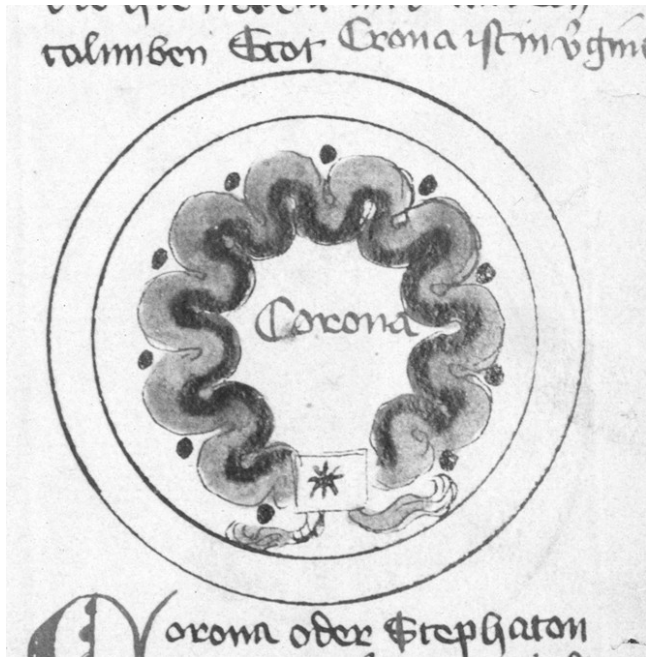
Darmstadt, Hess Hochschulbibl.  
Ms 266  
n.b. – wavy wreath set within a band



Berlin, Staatsbibl  
Ms germ fol 244  
n.b. – band with multiple stars and flowers, with two ribbons

Michael Scot  
German mss – IVa.

Corona borealis

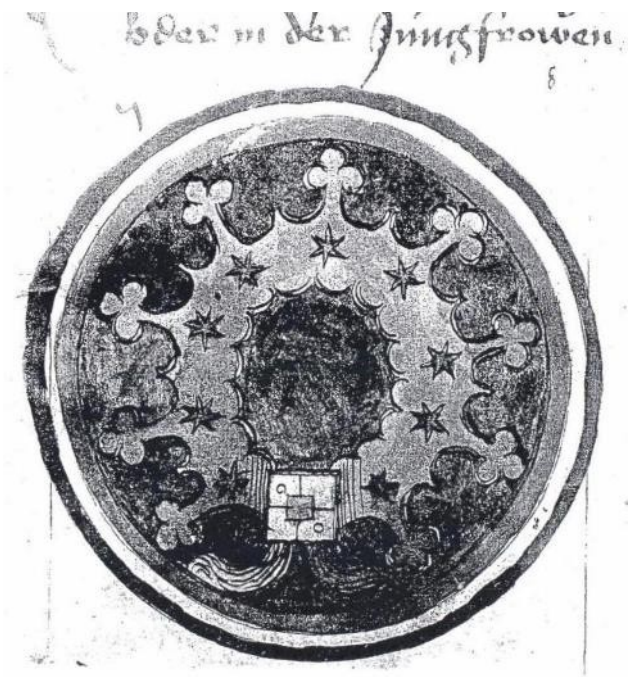


Salzburg, Studienbibl  
2 G 8/13  
n.b. – similar to Darmstadt



Vatican, BAV  
Pal lat 1370  
n.b. – similar to Darmstadt

German mss – IVa.



Paris, BN

Allem 106

n.b. – similar with protrusions

German mss – IVb.



influence of Luna



parantellonta rota

Tubingen Univ-bibl.

Ms d 2

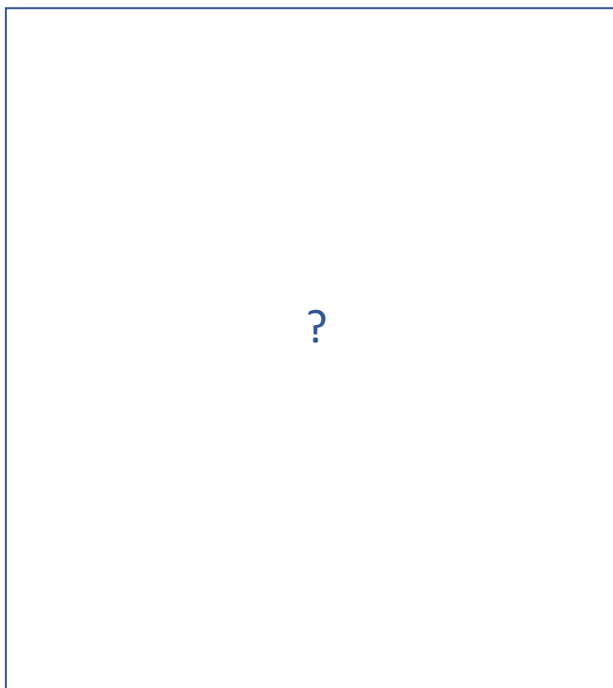
n.b. – ornate circular construction with jewels



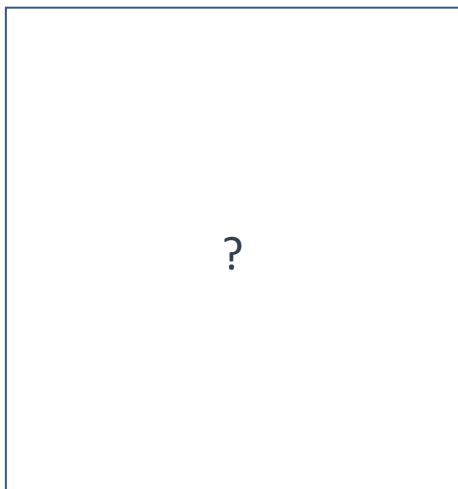
Michael Scot

Corona borealis

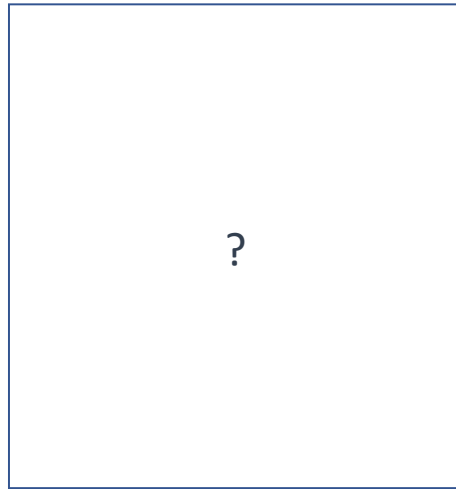
German mss – IVb.



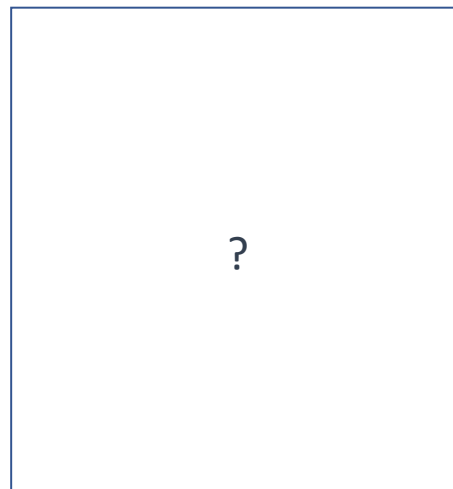
Wolfenbüttel, Herz Aug Bibl  
Ms Guelph 29 14 Aug 4°



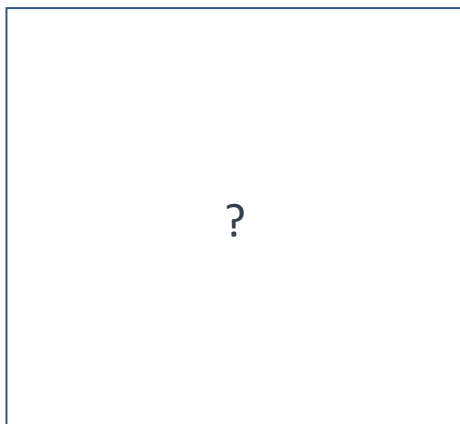
Coburg, Bayerisches Landesbibl.  
Ms 5



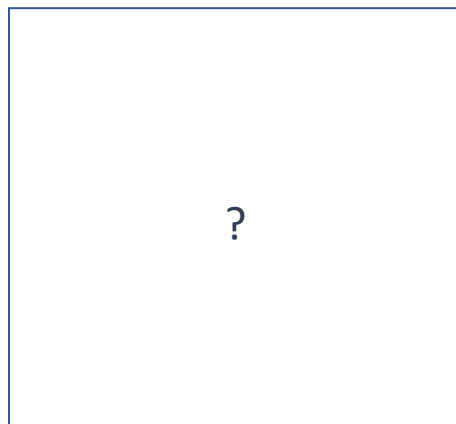
Edinburgh, Royal Observatory Libr.  
Ms Cr 4 6



Freiburg, Univ-bibl.  
Ms 458



Heidelberg Univ-bibl.  
Pal germ 832



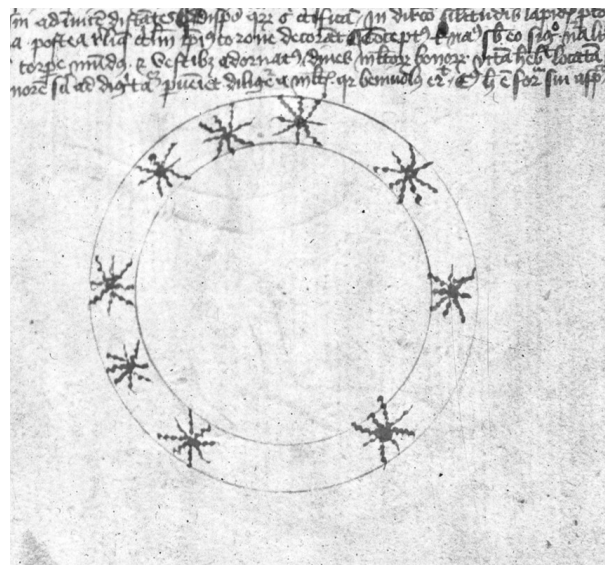
Karlsruhe, Badische Landesbibl.  
Ms K 2790



Nürnberg, Germanisches Nationalmus.  
Ms 7082

Venice: Ratdolt, 1482

Bartolommeo da Parma



Cambridge, Emmanuel College  
Ms 70  
n.b. -circllet of stars

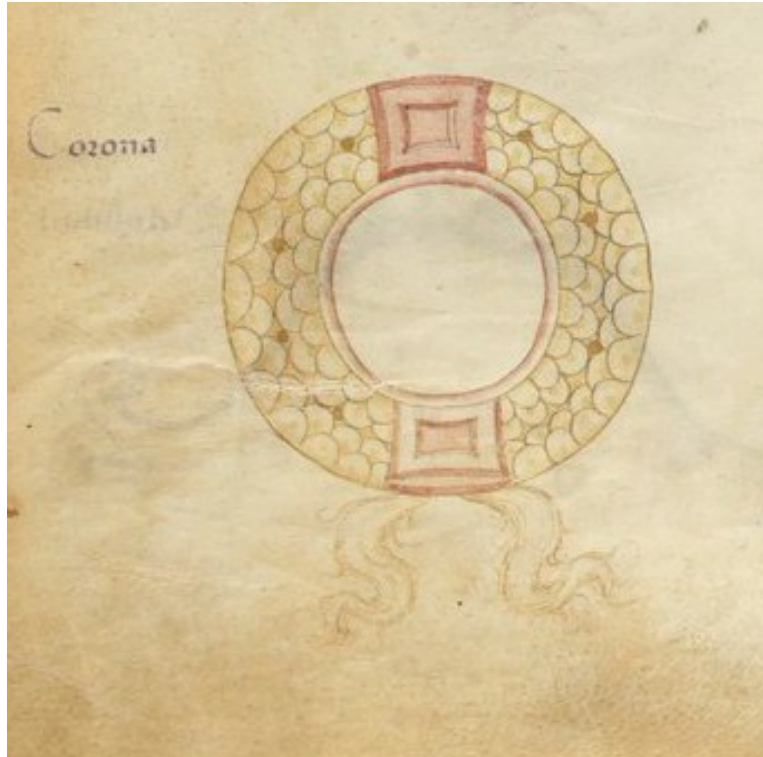


Metz, Bibl mun  
Ms 287  
same

Michael Scot - derived

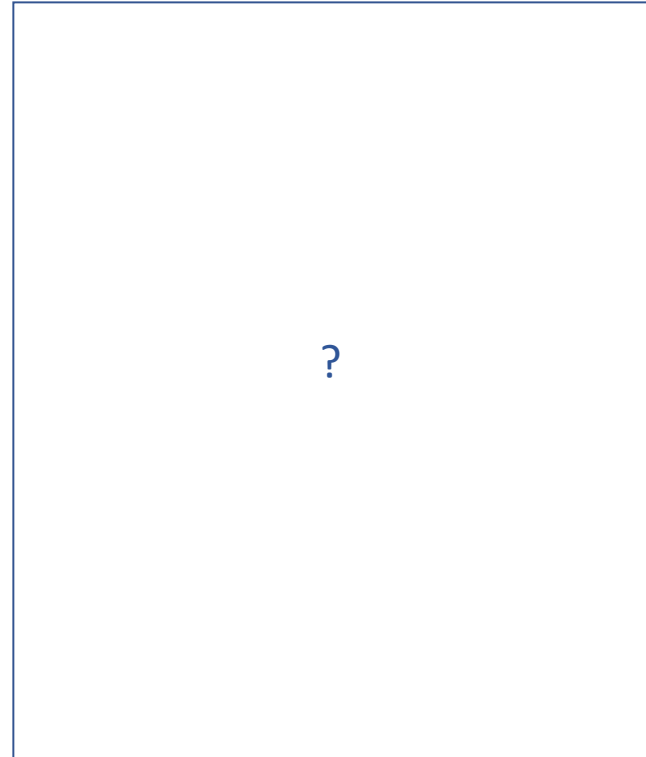
Corona borealis

Fazio degli Uberti



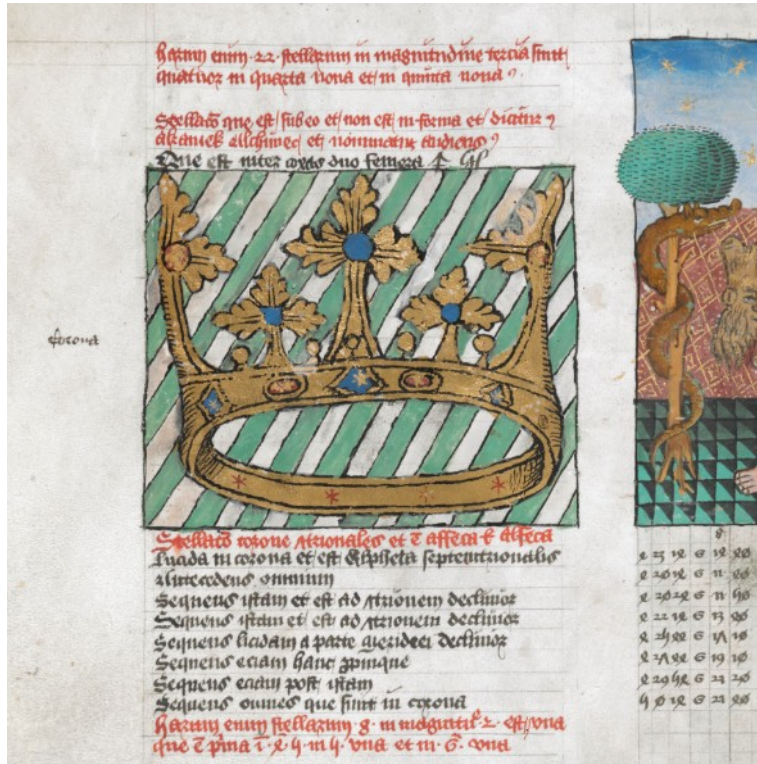
Paris, BN,  
Ital 81

n.b. – wreath with tendrils



Modena, Bibl Estense  
Ital 483 (α. P. 47)

Alfonsine Tables (John Killingworth update)



London, BL  
Arundel Ms 66

n.b. – marchesate crown with blue stones

Stellacio corone setpemtrionalis et est affeca et alfeca

Ludovicus de Angulo



St Gallen, Vadianische Libr  
Ms 427  
n.b. – wreath with tendrils



Florence, Bibl. Riccardiana  
Ms 3011  
same

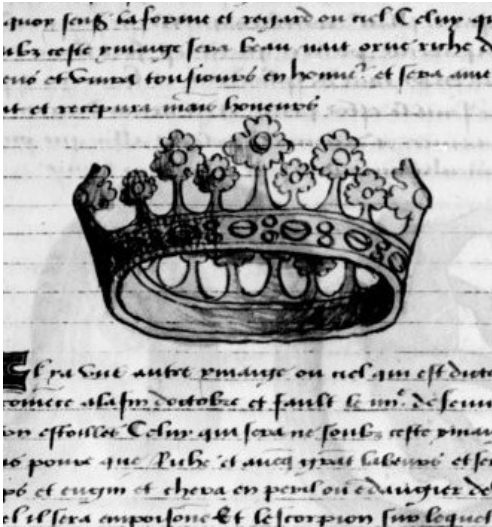


Madrid, BN  
Ms 9267  
same

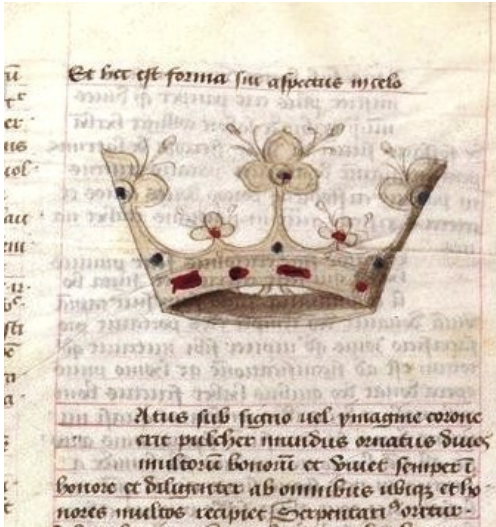
Ludovicus de Angulo



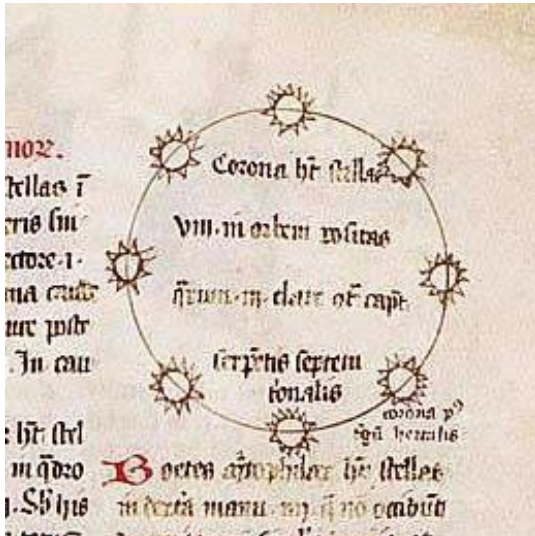
Paris BN  
Lat 6561  
same



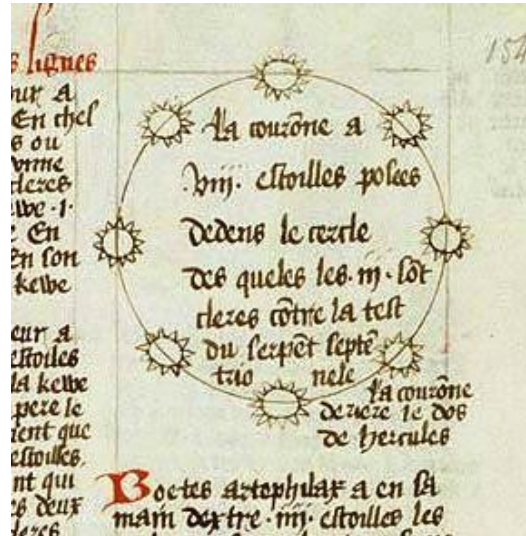
Paris BN  
Fr 612  
n.b. – crown



Paris BN  
Lat 7344  
n.b. – crown



Hague  
 Ms 72.A.83  
 n.b. – circle of stars

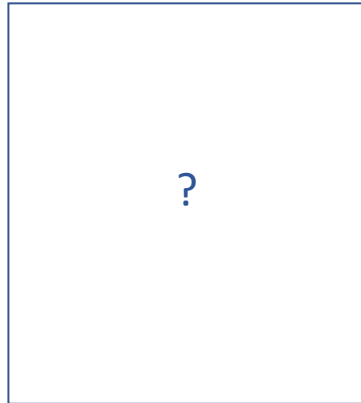


Hague  
 Ms 128 C  
 same

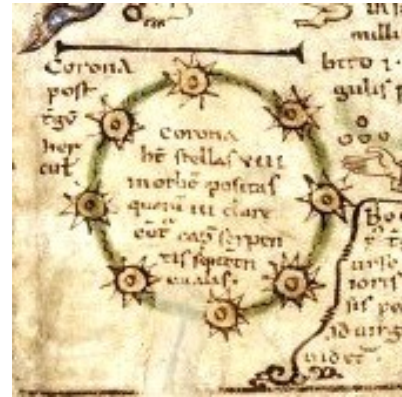


Paris, BN  
 Lat 8865  
 same





Leiden, Univ-bibl  
Ms 1° 31



Ghent  
Ms 92  
same as Hague mss.



Wolfenbüttel, WDB,  
Ms Gud lat 1  
same

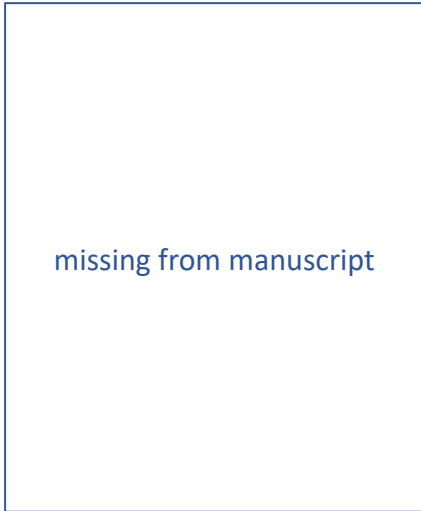
Chantilly, Petit Château  
Ms 724 (1596)  
similar



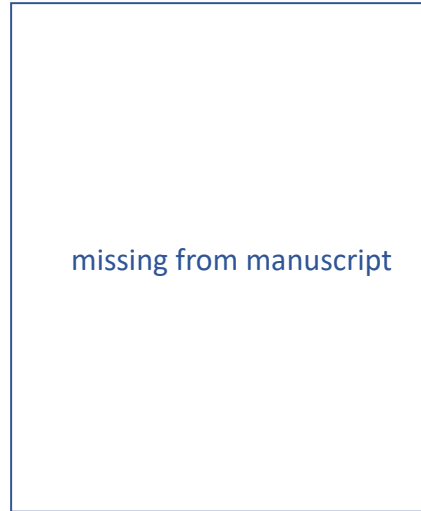
Vatican BAV  
Val Lat 3121  
n.b. – crown



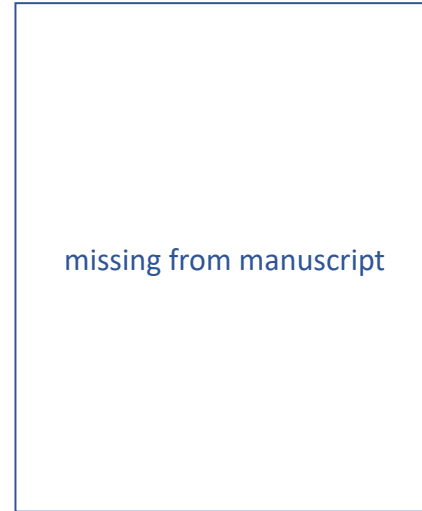
Madrid, BN  
Ms 1983  
same



Fermo, Bibl. Com.  
Ms 4



Florence, Bibl. Laurenziana  
Aedil 170



London, Lambeth Palace  
Ms 3

missing from manuscript

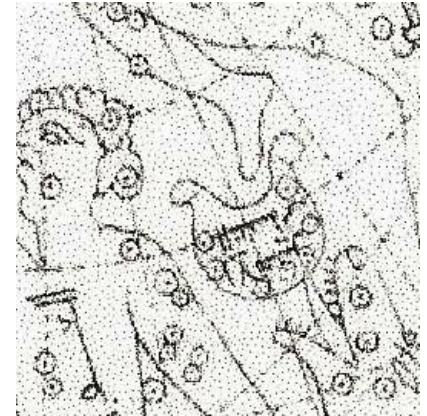


detail from planisphere  
circlet of stars

Florence, Bibl Laurenziana  
Plut 40 53

## Eastern Globes

## Corona borealis



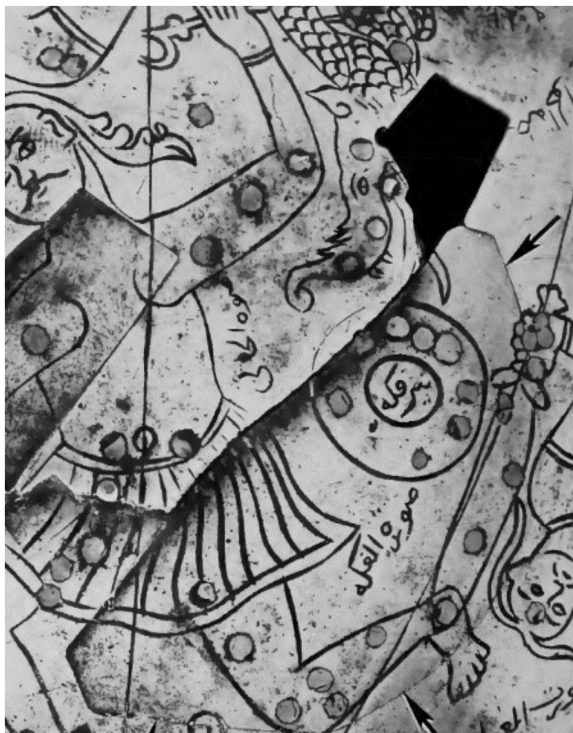
Florence, Mus delle Scienze, no. 2712  
dated 1025 AD

n.b. – U-shaped (more like a lyre)

Paris globe GA 325 / Inv. 2172

same

## Eastern Globes



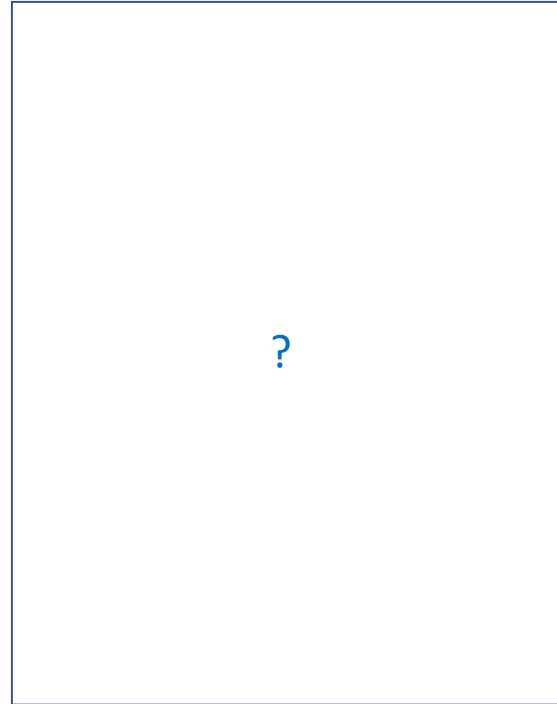
Smithsonian Mus, no 72-3085  
n.b. – circlet of stars behind Boo  
(cf. Savage- Smith, 1985, fig. 54)

## Corona borealis



BM – Malcolm globe  
similar





Doha, Mus of Islamic Art  
 Ms 2. 1998. SO (= Sotheby's 1998, lot 34)  
 Dated April 1125 AD; Baghdād  
 n.b. – circles

Istanbul, Süleymaniye Libr  
 Ms Fatih Kütüphanesi 3422  
 1125/26 AD; Mārdin

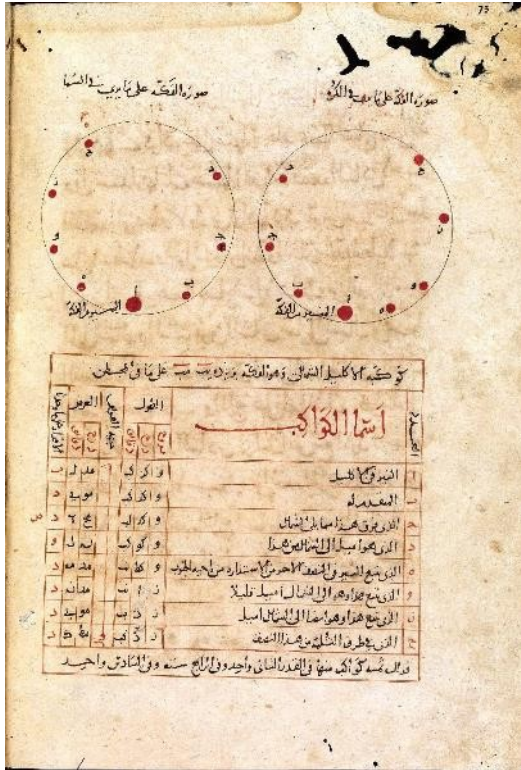


Istanbul, Topkapı Sarayı  
Ahmet II 3493  
1130-31 AD, Mayyafariqin, SE Turkey



Oxford, Bodleian Library  
Huntington Ms 212  
1170/71 AD; Mosul  
n.b. – double-circles





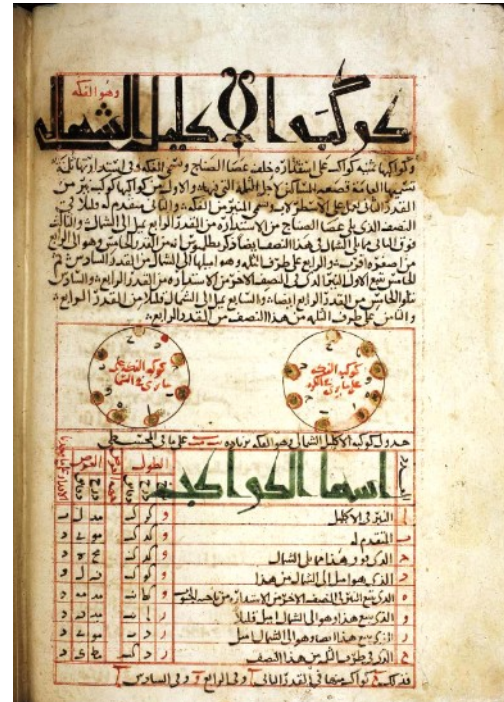
Oxford, Bodleian Libr  
 Ms Marsh 144  
 dated 1009-1010 AD /probl. late 12th C AD; Shiraz (?), Iran  
 n.b. – circle with stars



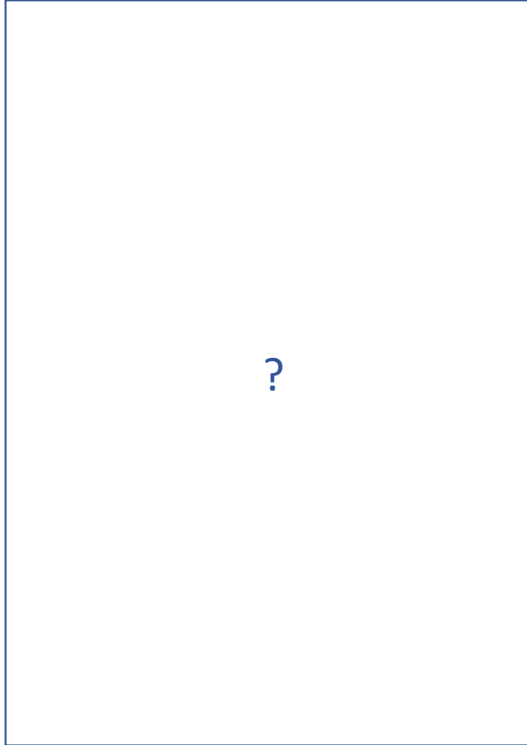
Berlin, Staatsbibl.  
 Ms qu or 704  
 c. 1203  
 n.b. – double circles



Vatican, BAV  
 Ross 1033  
 1224 AD, Ceuta (?) N Africa  
 n.b. – torque-like with opening



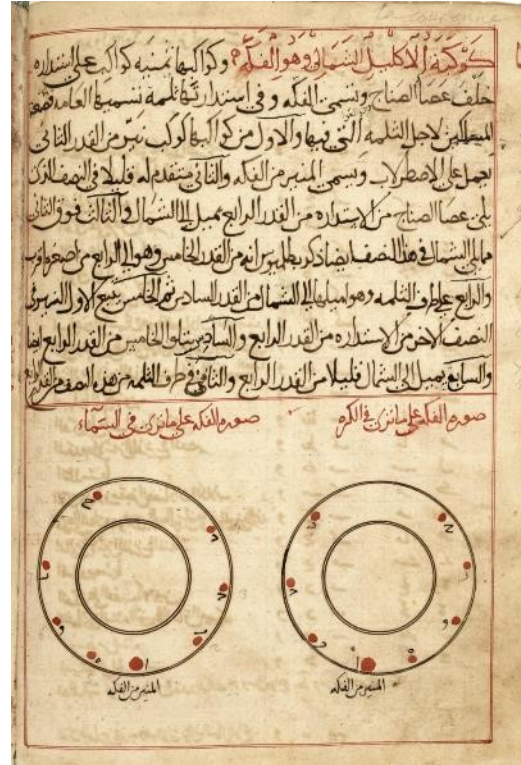
Berlin, Staatsbibl.  
 Landberg 71  
 Aug/Sept 1233; Mosul  
 n.b. – circles



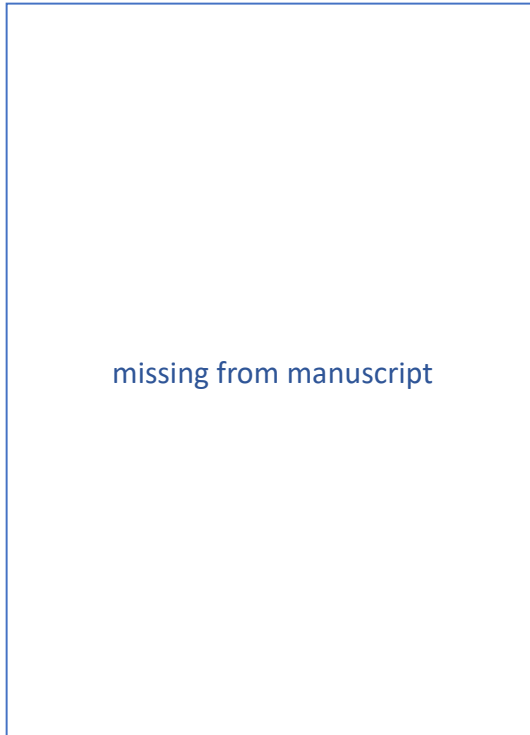
Istanbul, Suleymanie Libr  
Ayasofia 2595  
1249-50 AD; Alamut (?) Iran



Paris BN  
Arabe 2488  
mid-13th C, Ceuta (?) N Africa  
n.b. – circle with stars



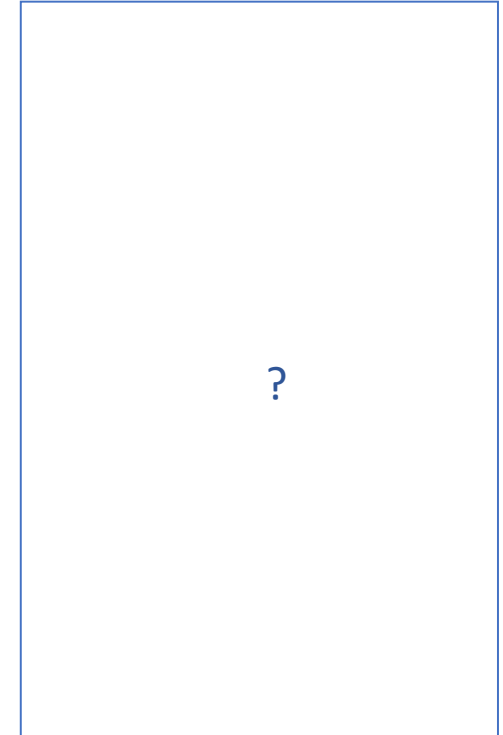
Paris BN  
Arabe 2489  
1266-67 AD; Syria?  
n.b. – double circles



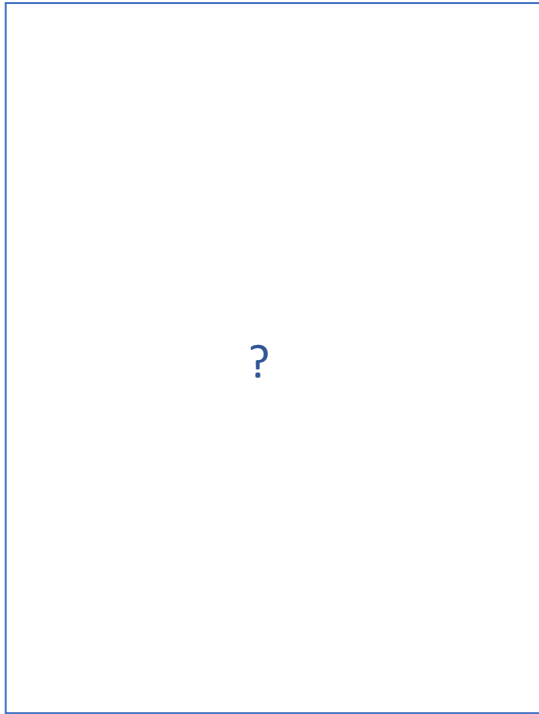
London BL  
Or 5323  
1260-80; Maragha (?), NW Iran



Cairo, National Libr  
Ms Dar al-Kutub miqāt 390  
1300 AD



Oxford, Bodleian Libr  
Pococke 257  
1303/04; Aleppo

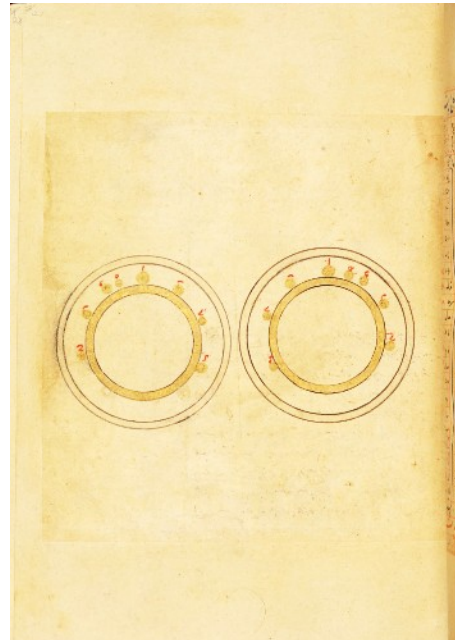


Escorial  
Ms 915  
20 March 1364 AD

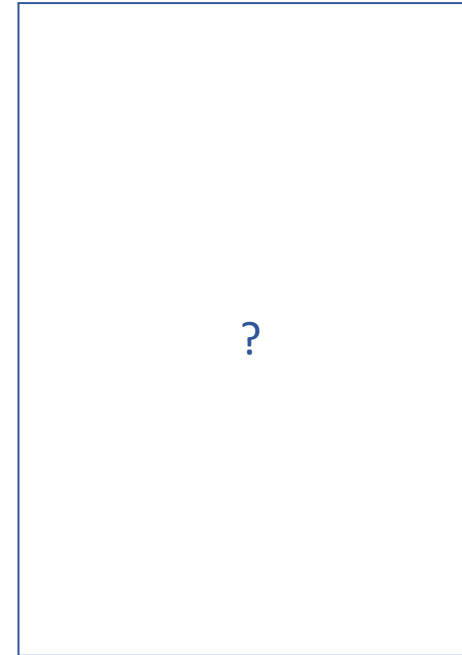
NY, Metropolitan Mus  
Ms 13.160-10 (Rogers Fund 1913)  
c. 1400, Samarkand (Met says Iran, Shiraz)  
**n.b. –double circles**



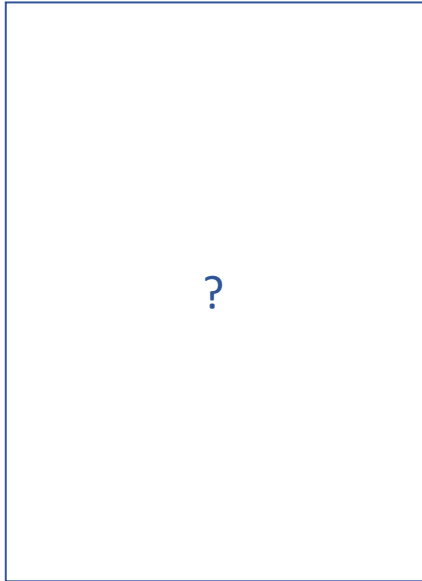
Paris BN  
Ms arabe 5036  
c. 1430-40, Samarkand  
n.b. – as a cup (? or vulture cadens?)



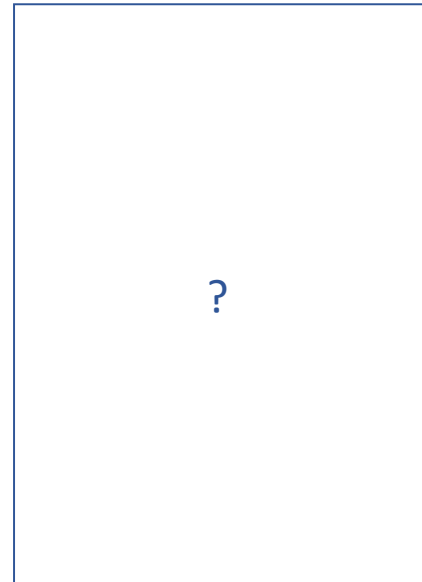
Dublin, Chester Beatty Libr  
Ms Per 175  
1497-98 (903 AH), Isfahan/Yazd



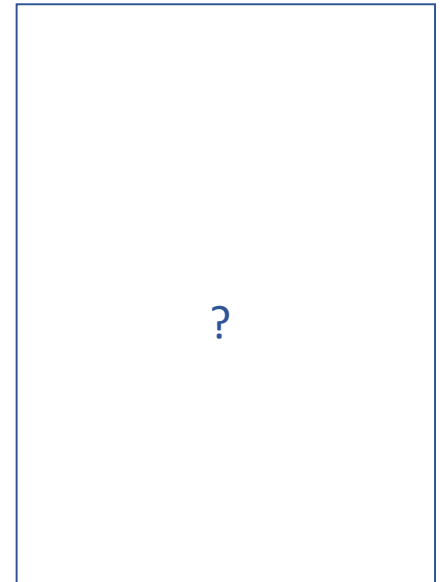
Bologna, Bibl. Univ  
Ms 2953  
8 Oct 1500 AD



Paris BN  
Arabe 2490  
1516/17 AD  
n.b. – circles



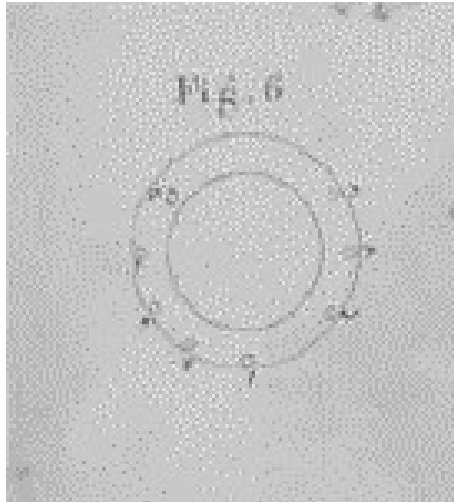
London BL  
Add ms 7488  
16th C



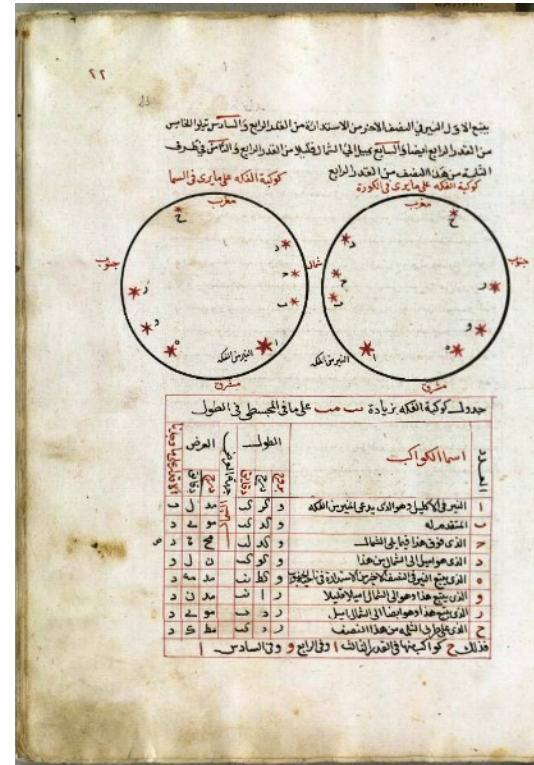
Istanbul, Perter Pasa Libr  
Ms 375  
16th C

Dublin, Chester Beatty Libr  
Ms Ar 4119  
1504/05 AD





St Petersburg, Inst Or Studs  
 Ms n.s. 191  
 16th C; Istanbul ?  
 n.b. – double circles



Copenhagen, Kong. Bibl.  
 Ms arabe 83  
 25 May 1602 AD; Medina; copied from copy dated 1013/14  
 AD believed to be al-Sufi's own copy  
 n.b. – circles



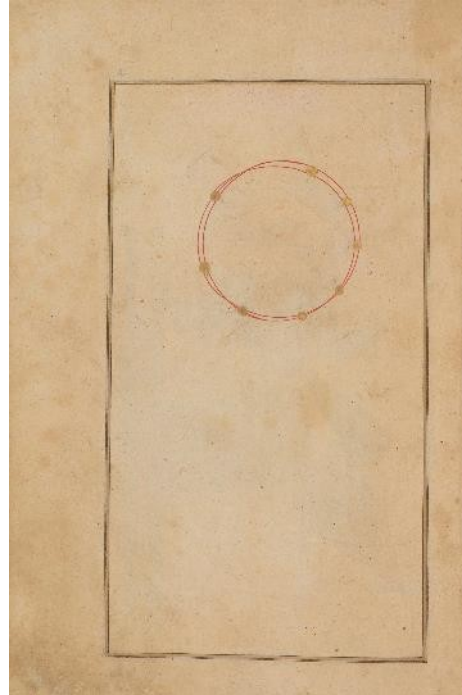
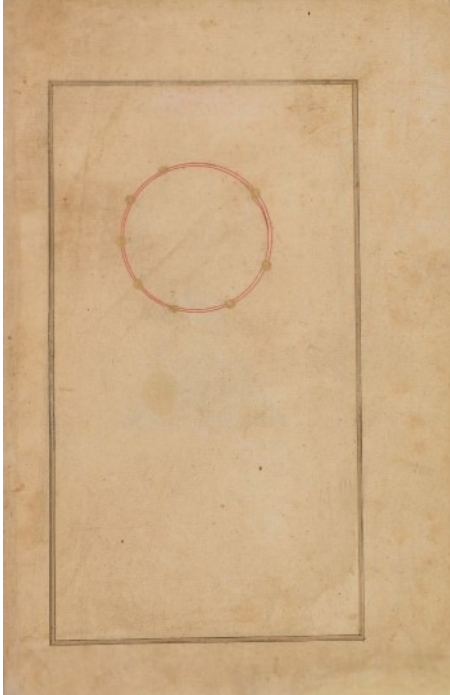
Princeton, Univ Libr  
 Ms Garrett 2259 Yehuda  
 al-Sufi, dated 3 Jan 1607  
 n.b. – plater with arc taken out



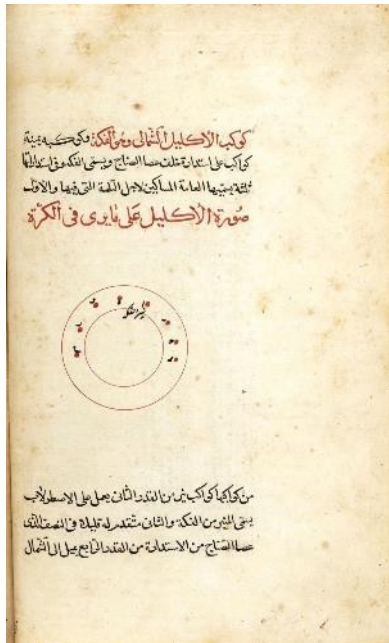
Dublin, Chester Beatty Libr  
Ms Ar 4222  
1600-1650 C; Isfahan



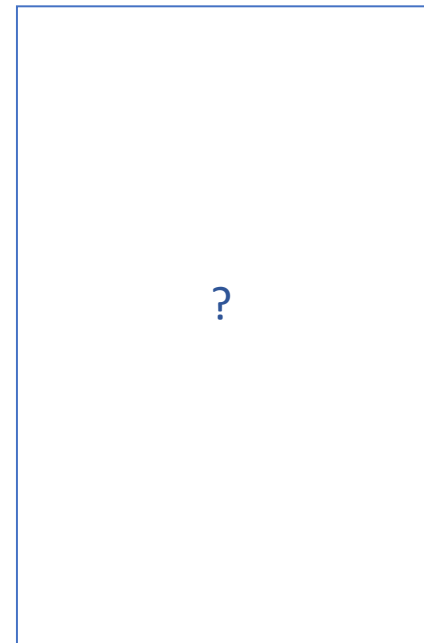
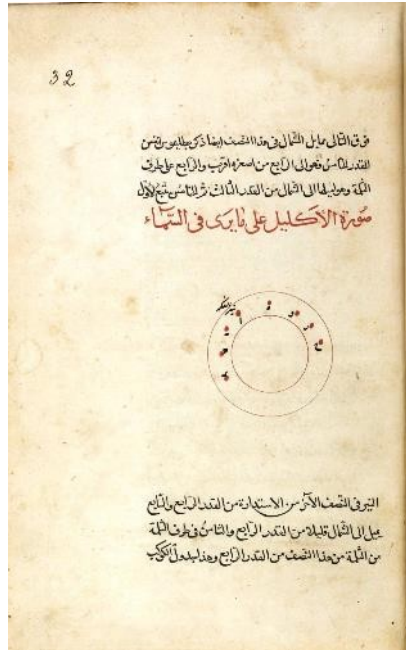
Paris BN  
Arabe 6528  
India, 1643-44  
n.b. – ring with fleur-de-lis on top



Dublin, Chester Beatty Libr  
Ms Per 263  
1650-1700 C; Isfahan

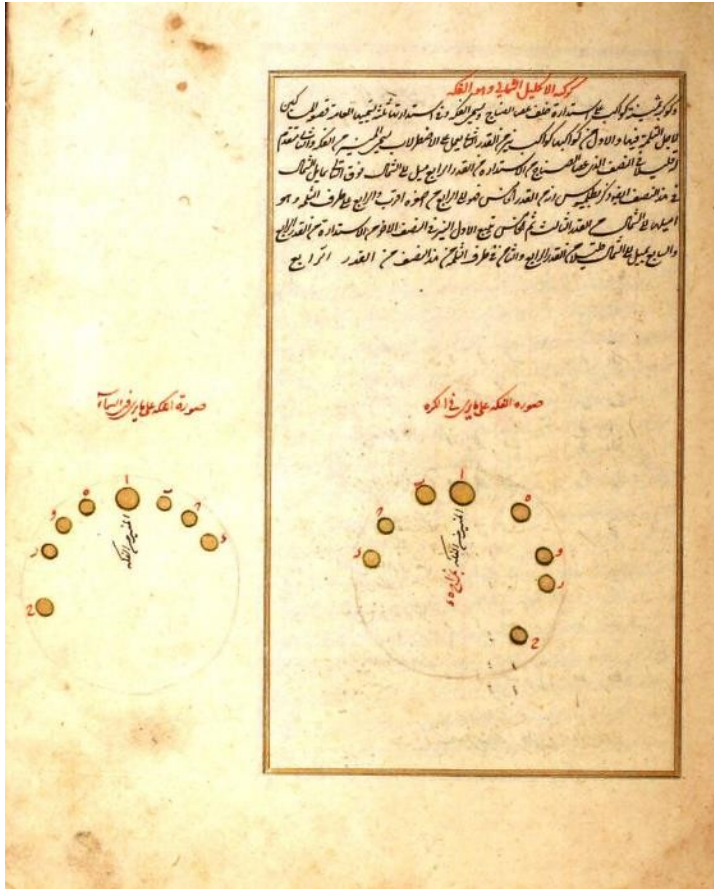


Paris BN  
Arabe 2491  
1770 AD  
n.b. – double circlets



Paris BN  
Arabe 2492  
18th C

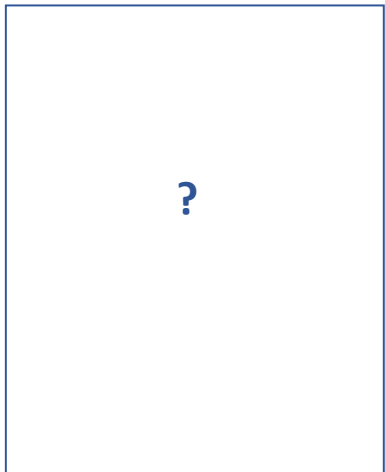




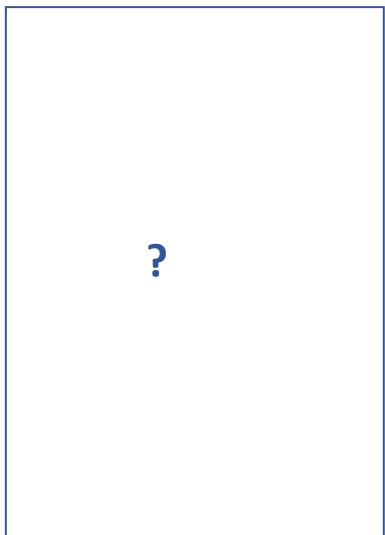
New York, Met Museum of Art  
Ms 1975.192.2  
attr. Iran (?), 18th C  
n.b. – circles

non-Latin Eastern mss – al-Sufi translations, etc.

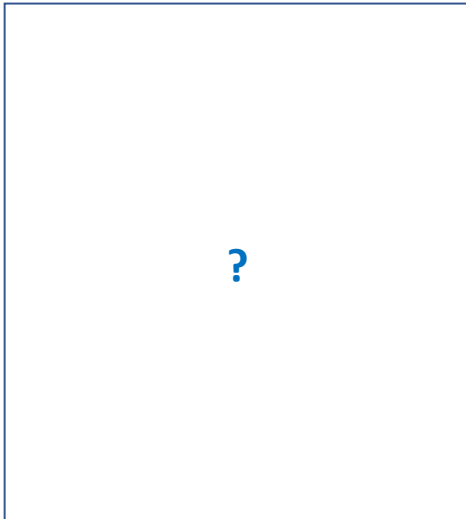
Corona borealis



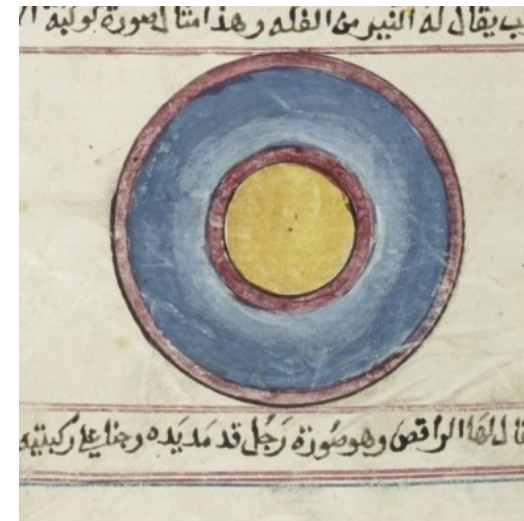
al-Sufi, at-Tusi transl???



Tehran, Riza 'Abbasi Libr  
Ms M. 570  
Ibn-al-Sufi (son)  
1159-60 AD

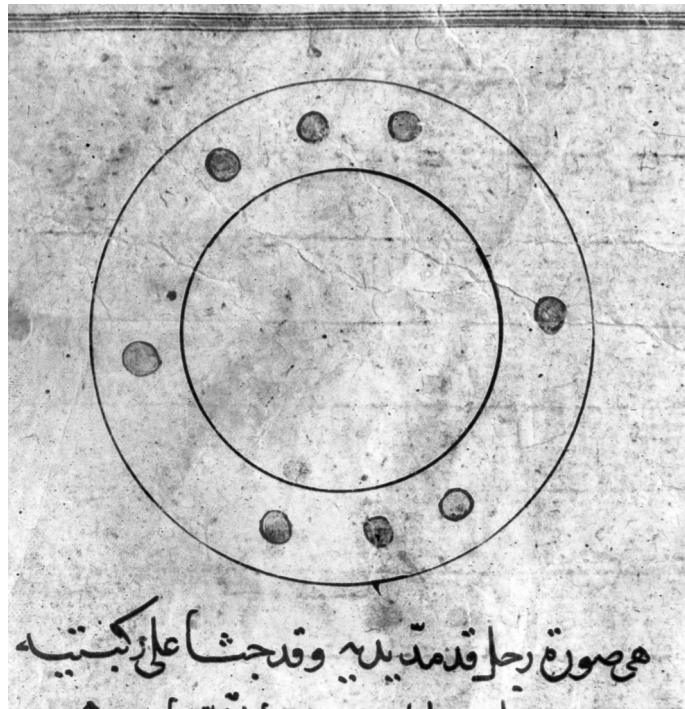


Baltimore, Walters Art Gall  
 Ms W 359  
 Qazwini  
 n.b. – concentric circles with stars



Paris BN  
 Arabe 2178  
 1762-63 AD –  
 n.b. – similar without stars





Washington DC, Freer  
Ms 1954 -52 (ex-Sarre)  
Qazwini

n.b. – concentric circles with stars



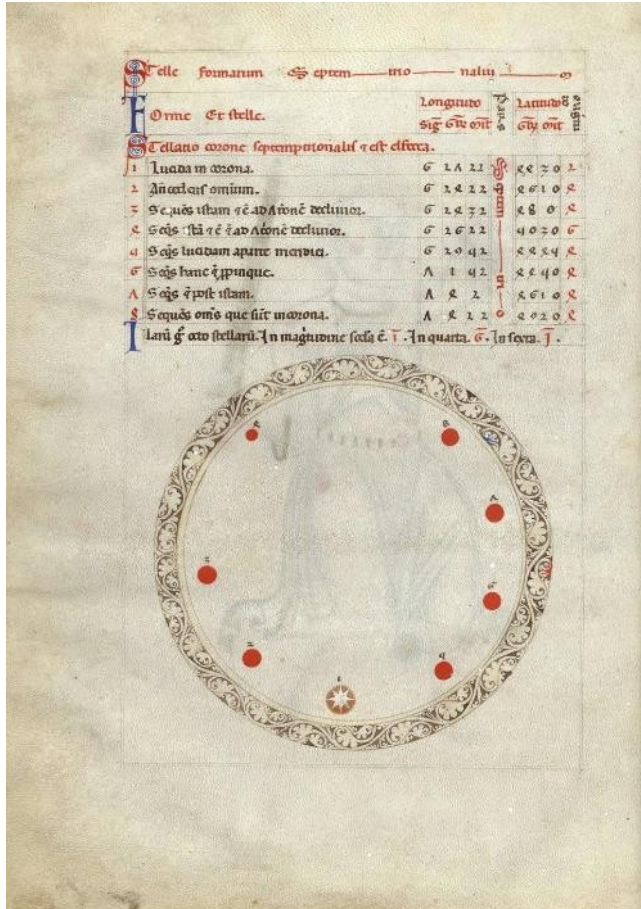
Bethesda MD, National Library of Medicine  
Persian, dated 1537-38  
Qazwini

n.b. – as a cup (? or vulture cadens?)

# Sufi latinus – I

Stellatio corone septentrionalis et est alfeca

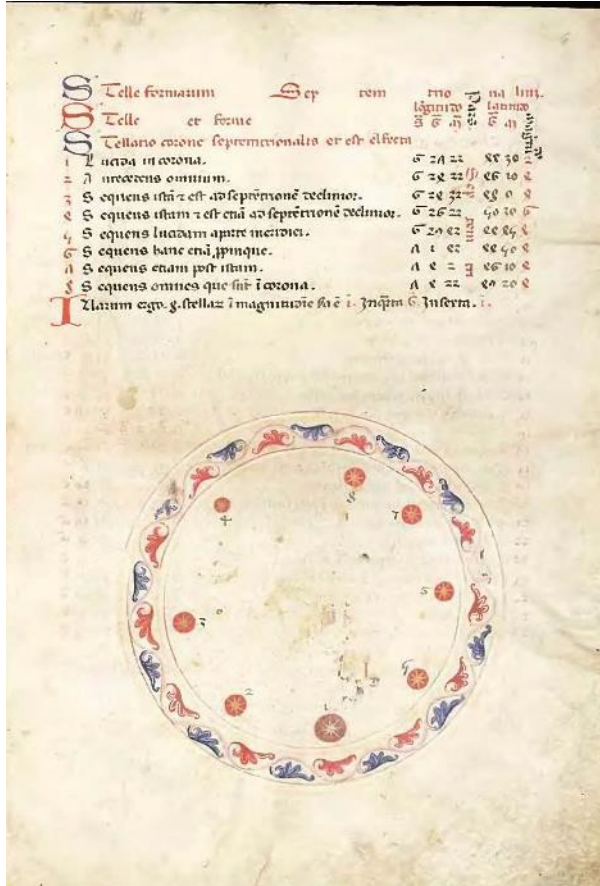
Corona borealis



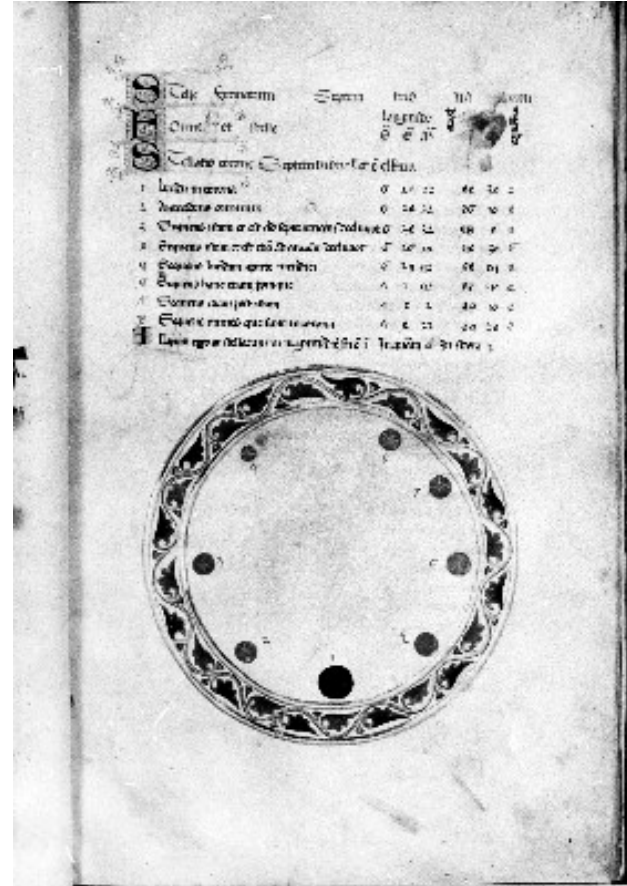
Paris, Bibl Arsenal

Ms 1036

n.b. – decorated circlet with stars



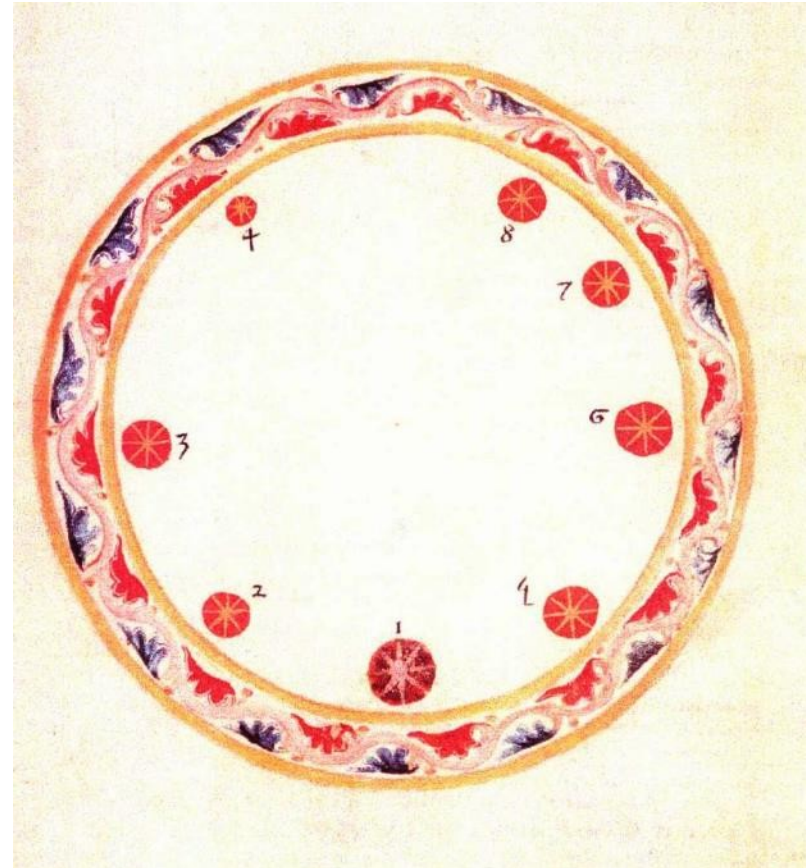
Prague, Strahov  
DA. II. 33  
n.b. – same



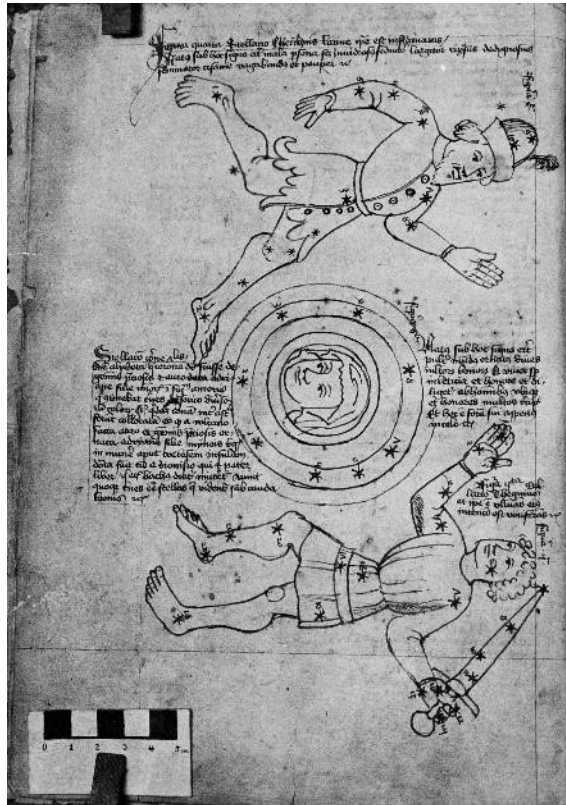
Berlin, Staatsbibl, KK  
Ms 78 D 12  
same



Munich, Staatsbibl  
Clm 826  
n.b. – similar



Gotha, Forschungsbibl  
Membr II 141  
same



Catania, Bibl Univ  
 Ms Univ Ar, 387  
 n.b. – concentric circles with woman's face inside  
 Corona septentrionalis et est alpheta



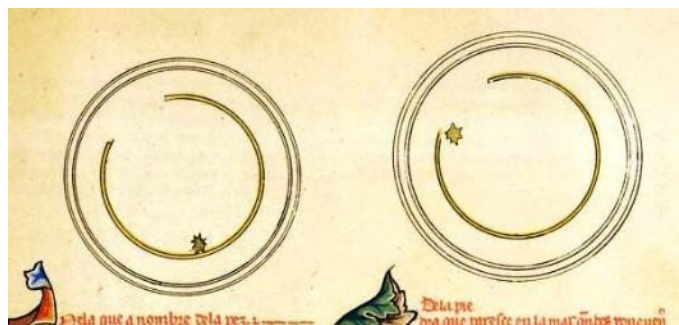
Vienna, ONB  
 Cod 5318  
 same  
 Corona septentrionalis et est alpheta



Bernkastel-Kues, Nicolaus hosp.

Ms 207

n.b. – concentric circles



El Escorial

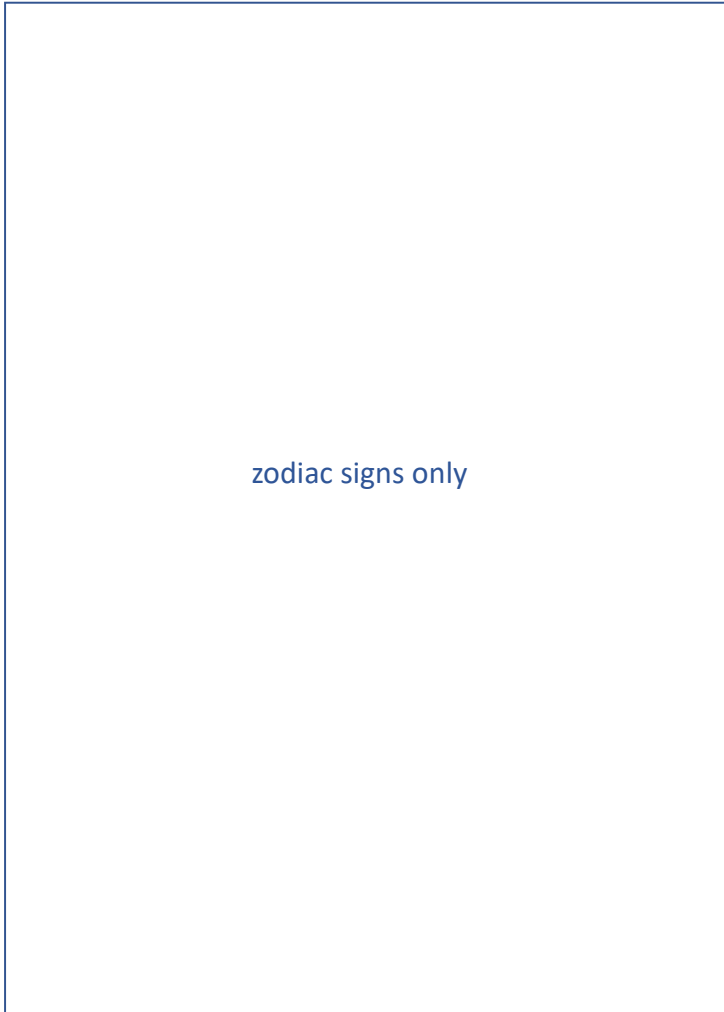
Ms h 115



Vatican BAV  
 Vat lat 8174  
 Corona Settentrionale ... Corona  
 septentrionalis e in arabico alacul  
 aymeli el  
 feca



Los Angeles, Getty Mus  
 Ms Ludwig XII, 7  
 Corona septentrionalis



Oxford, Bodleian Library  
Can. misc. 27 (zodiac only)



New York, Morgan Pierpont Library  
Ms 355 (zodiac only)



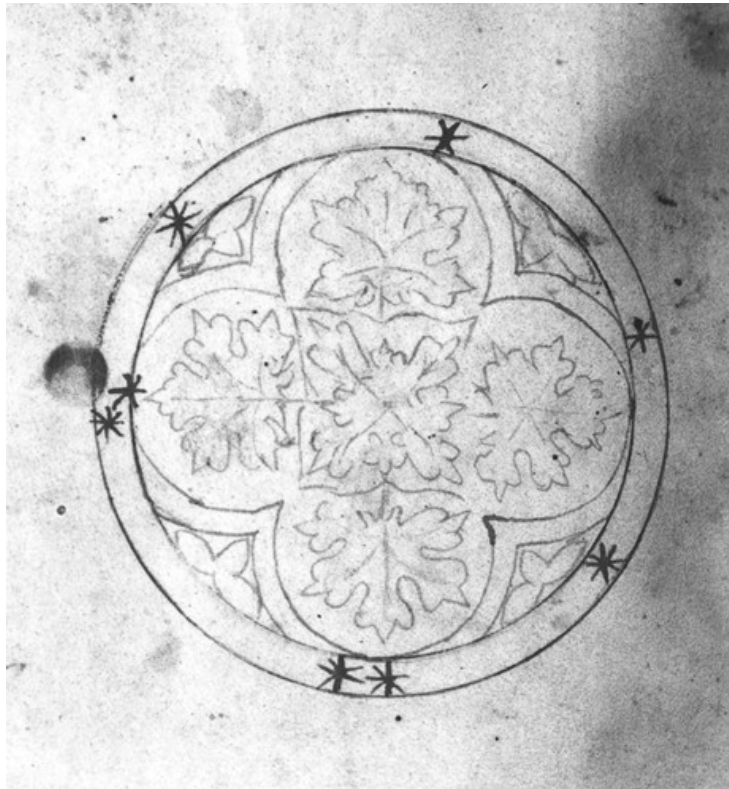


Oxford, Bodleian Libr

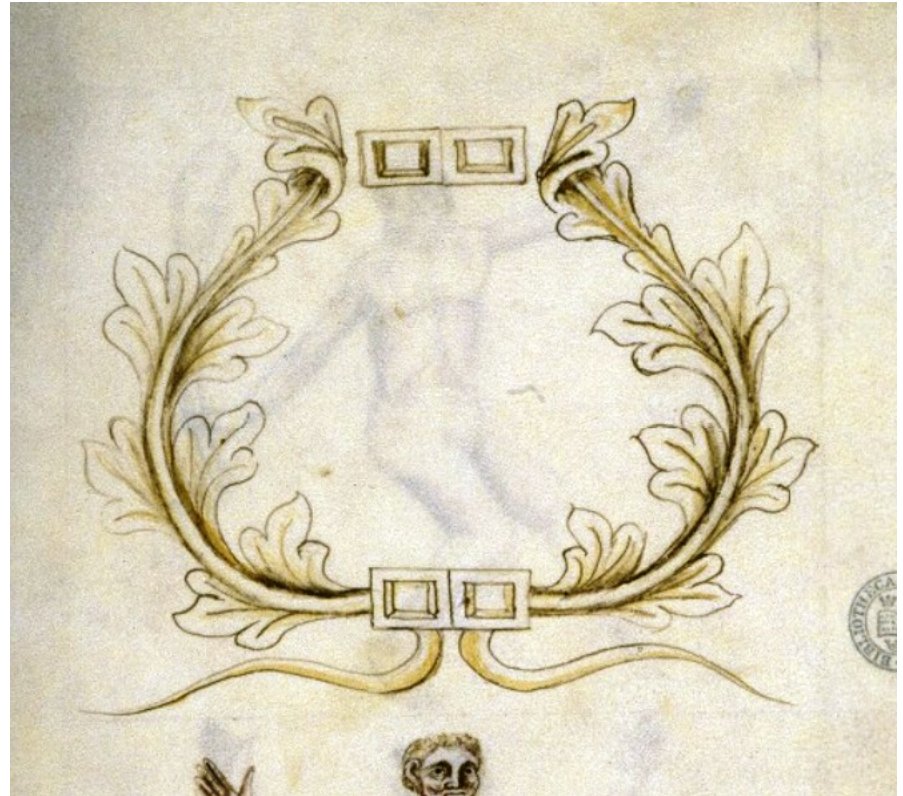
Rawl C 117

n.b. – decorated circlet/wreath with leaf inside

Stellacio corone arabice est affecta



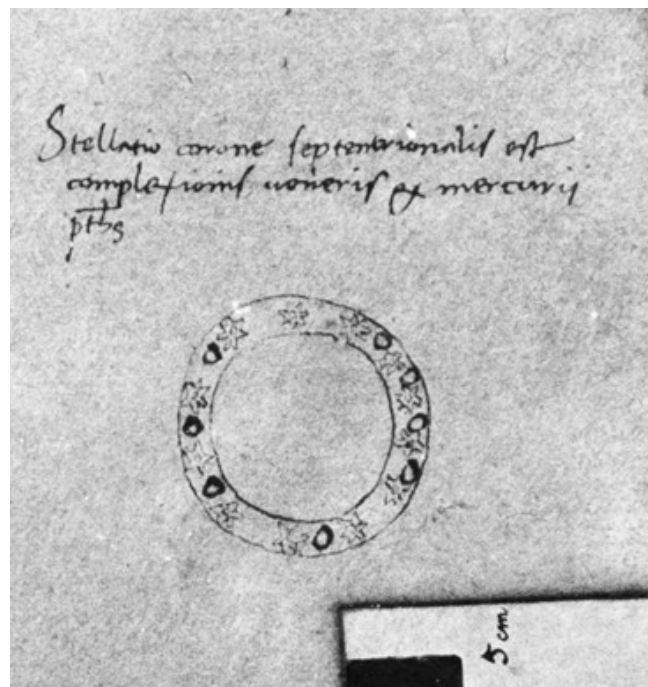
Vatican, BAV  
Urb lat 1399  
n.b. – cirlet with leaves inside



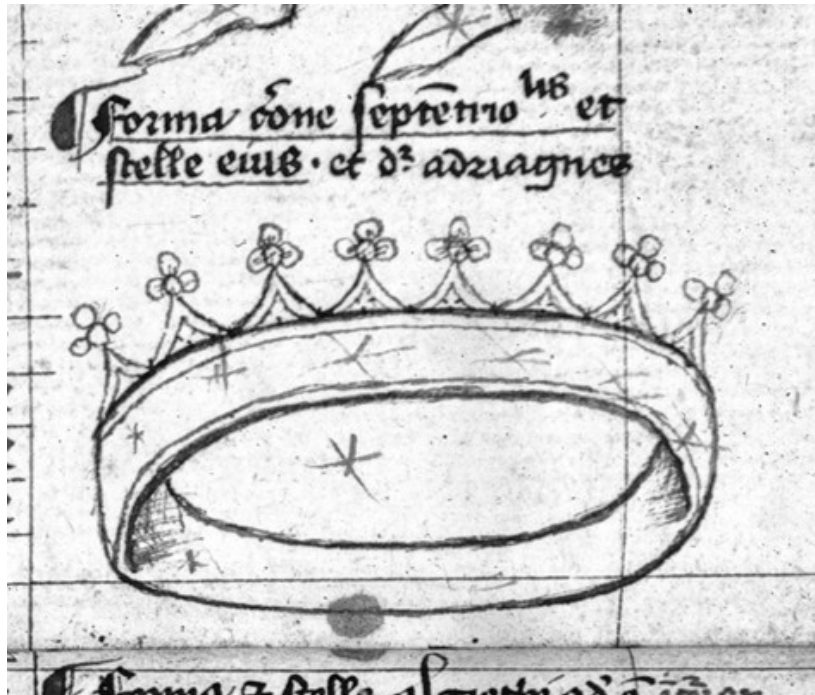
Oxford, Bodleian Library  
Can misc 554  
n.b. – wreath



Bergamo, Bibl A Mai  
Ms  $\Sigma$  II 2  
n.b. – circllet with flowers



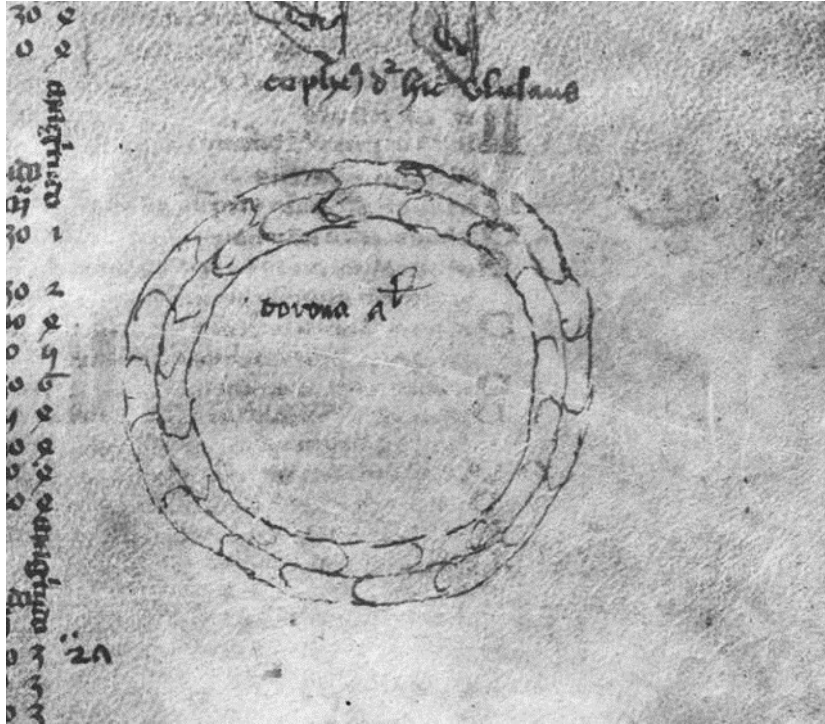
Vatican, BAV  
Vat lat 3099  
same



Brussels, Bib Roy  
Ms 10117-26  
n.b. – crown  
... et dicitur adriagnes



Vatican BAV  
Pal lat 1368  
n.b. – wreath with protrusions and ribbons



Vatican BAV  
Pal lat 1377  
n.b. – wreath

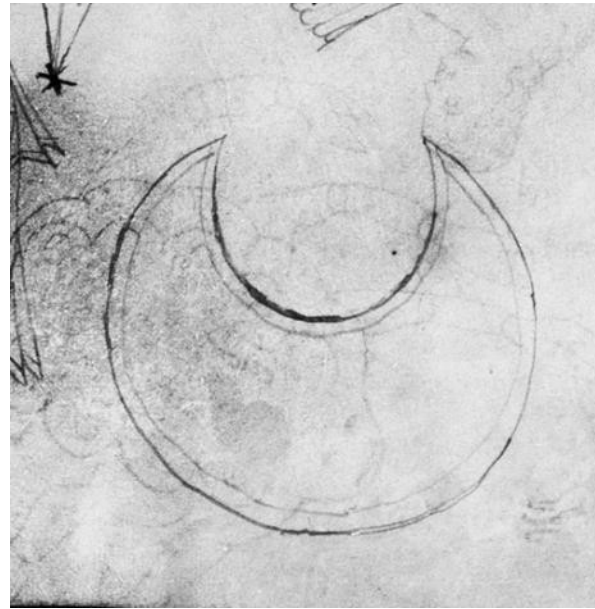
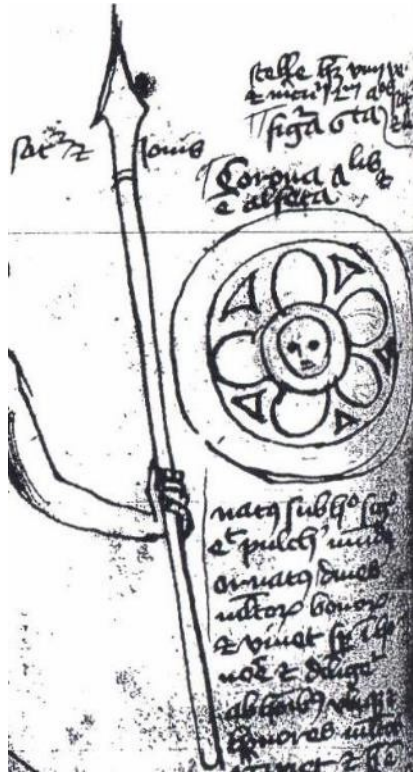


Torun  
Ms 35  
n.b. – knotted circlet of cloth  
Stellacio corone septemtrionalis et est alpheta  
Corona maxillarius  
Corona septentrionalis  
Corona aldragnes



?

Augsburg, Univ-bibl.  
Cod II 1.2o 110



Cambridge MA  
Houghton, Typ 43

n.b. — concentric circle with  
small face

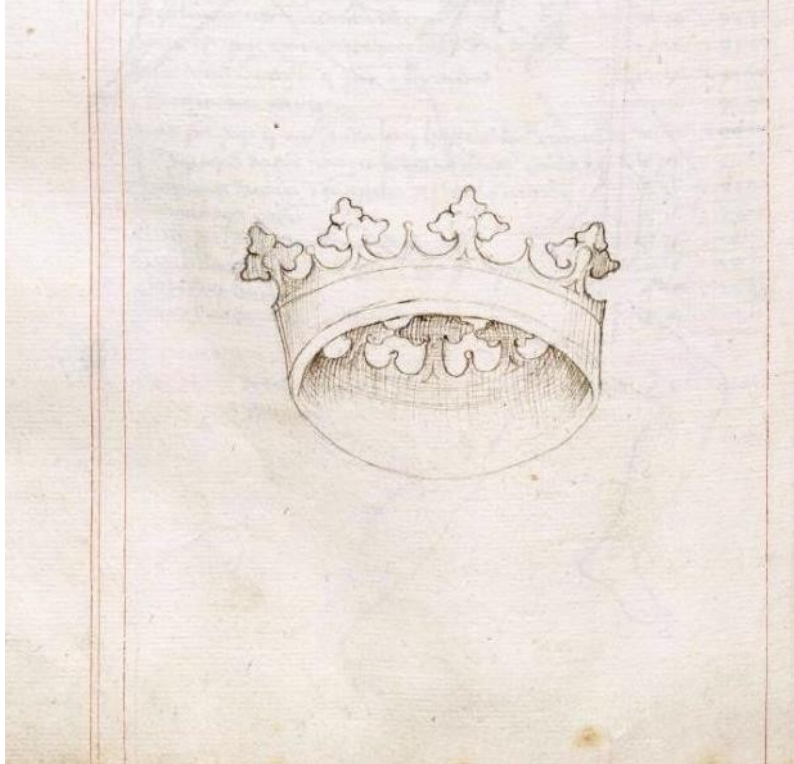
Corona et est alfeca

Basle, Univ-Bib  
Ms F. II. 33

n.b. — circular disc with curved cut-out

Florence, BNC,  
Ms Angeli 1147

n.b. — crown  
adfetu



Vienna ONB

Vienna 5415

n.b. – crown

Stellatio corone septentrionalis et est alfeta Klnossia  
adriagnes mirmir aluhil afamili (?)



Vienna ONB 5415

northern hemisphere

n.b. – crown





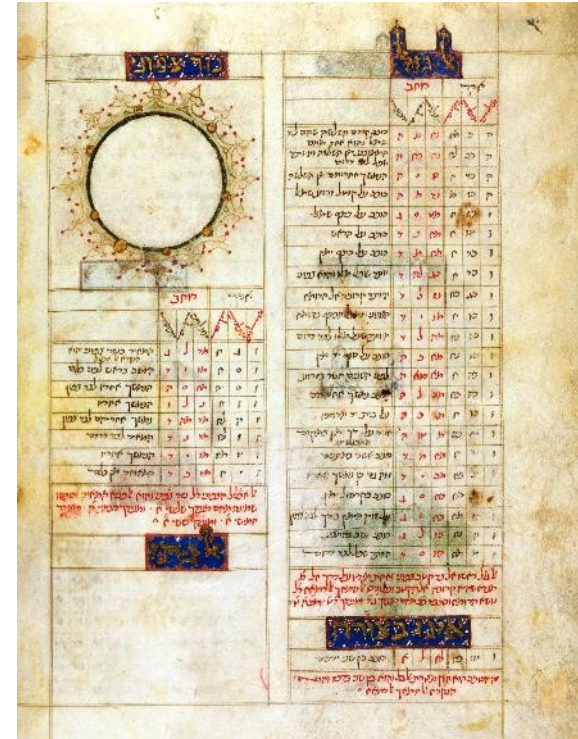
Philadelphia, U Penn  
Ms LJS 57

n.b. – wreath with protrusions and leaf  
inside



northern hemisphere

n.b. – U-shaped



Vienna, ONB  
Hebrew 132

similar, but without leaf



que vni stellis luceat icceli sustulit q  
 magnas bachy femelle ul adagne no  
 vidi de alias ymagies htm coronam  
 sub hac for.



De hns e que iuno pccelu occupet  
 dicens. nec ipse tui bachy s. pingu me  
 aut bachy parca s. femelle que fuit  
 pelex jous. adiere supbos. s ut hnt  
 stelle icelo. ne qua ps s celi pbia. i  
 cric. uatoc. q. d. totu celu plenu e  
 l. uita z ad d. hnt. Loua. s. ad huc a

Padua, Univ . Bibl.  
 Cod 896  
 n.b. – shaped like a bidet

Vatican BAV  
 Urb lat 355  
 n.b. – U-shaped

corona q nonc iteu inc icellu  
 sustulit ymagies bachy ceme  
 le ul adriagne no vidi int  
 ymagies s tm corona  
 sub hac forma.



De hys g o qrit iuno q celi  
 occupet dices si ipse tui bachy  
 s. pingu mo aut bachy parca  
 s. femelle q fuit pollex jous  
 adiere sros. s ut sic stelle icelo  
 nec. s. vs celi. vbro. i. emine

Vatican BAV  
 Vat lat 1650  
 same

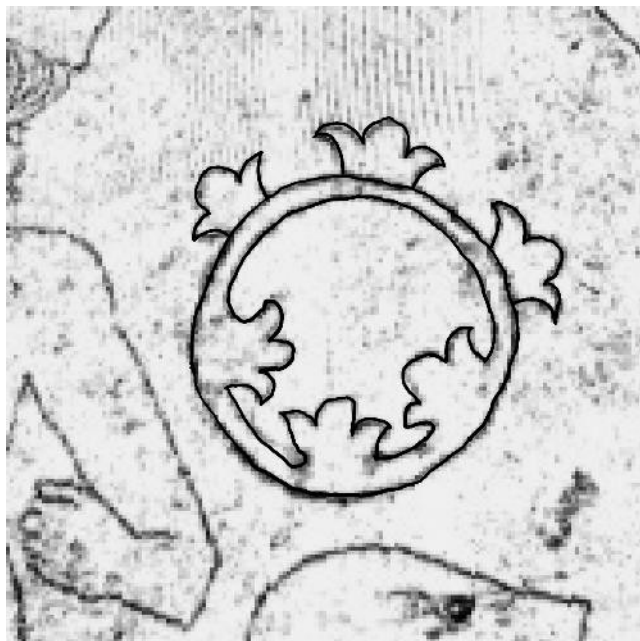


Bernkastel-Kues  
St Nicholas-Hospital  
Ms 212 (hemispheres)  
n.b. – circlet with stars



Darmstadt, , Univ- and Landesbibl.  
Ms 1020  
northern hemisphere  
n.b. – similar





Cusanus globe

© Petr Hadrava

n.b. – circlet with leaves



Milan, Cathedral treasury