



Zodiac tomb, Anthribis
cf. Flinders Petrie, *Anthribis*, 1908, pl. xxxviii



Zodiac tomb, Denderah



Denderah ceiling
Paris, Louvre



Athens, Archaeological Museum
6th-2nd C BC

Classical images – Roman

Pisces



Rome, Diocletian's baths
n.b. – facing in same direction



Qasr, Libya



Tunis, Bardo Museum



Megeddo, Israel
Mosaic in prison, 3rd c?



Treviso



Oil lamp with Pisces (copy)

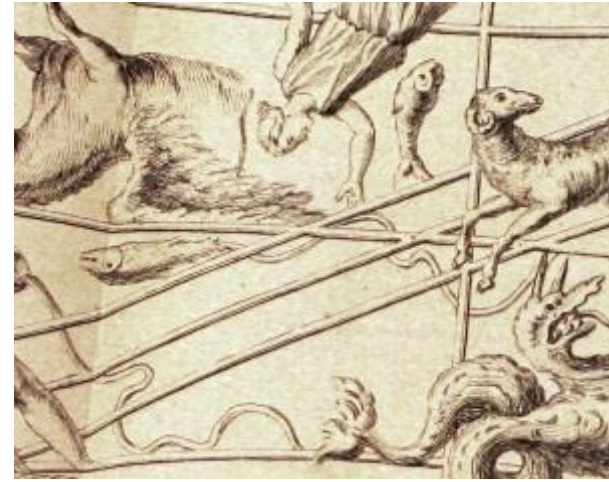


Zodiac cycle from synagogue
Hammath, Israel
4th C AD

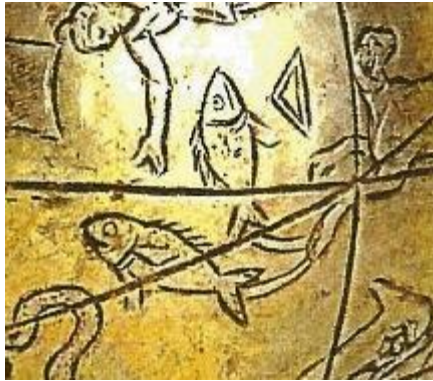


Naples, Farnese Atlas
© Petr Hadrava

n.b. – facing away, perpendicular, cord only to tail of southern fish



Bentley's Manilius



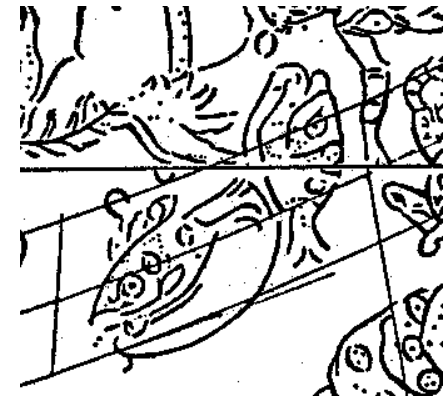
Paris, Kugel Globe

n.b. – facing away, perpendicular, cords to tails from foot of Aries



Mainz globe

n.b. – facing away, perpendicular, cord between mouths



(drawing © Kunzl)

l. = z stemma



Leiden, Univbibl
Voss lat 4° 79
n.b. – facing away, tops upwards, tied at tails



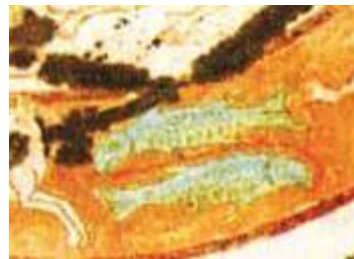
Boulogne-sur-Mer, Bibl. Mun.
Ms 188
same



Bern, Burgerbibl,
Ms 88
similar, fish more beaky



planetary schema with zodiac



planisphere
n.b. – tied at mouths



vs. planet
schema



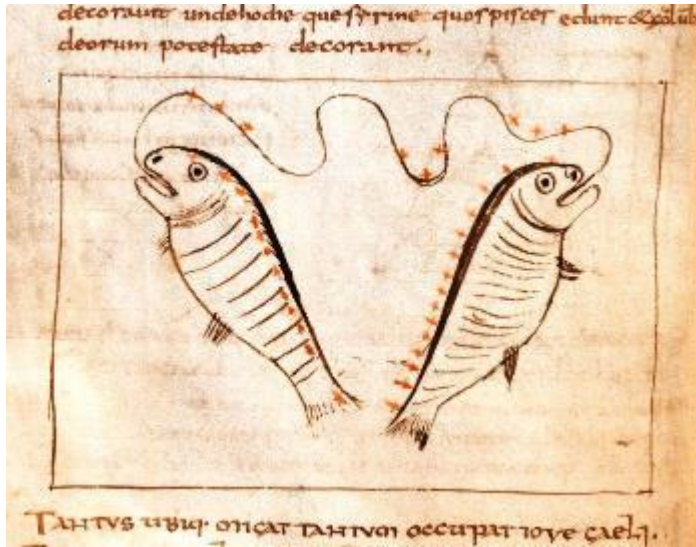
planisphere

Germanicus mss

Pisces

II and III. = O stemma (O¹ or v)

II.

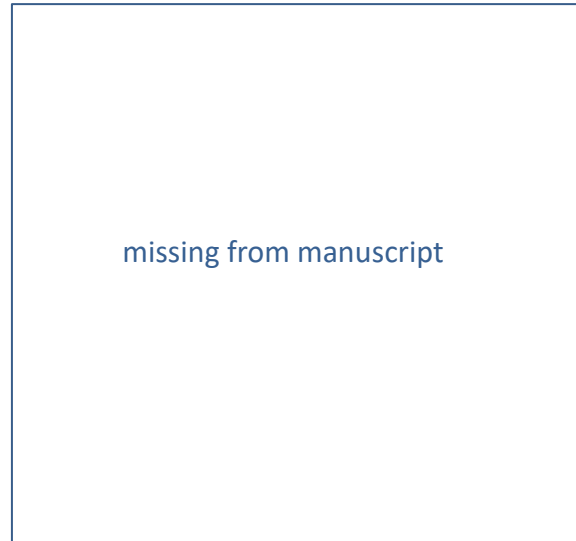


Basle, OBU
 Ms AN. IV. 18
 n.b. – V-shaped standing on tails, connected at mouths by wavy line



vs. planisphere
 n.b. – connected at mouths

III.



Aberystwyth, NLW
 Ms 735 C



vs. schema
 note distance



vs. winter hemisphere
 back-to-back, stream btwn mouths



vs. planisphere
 n.b. – both back upwards, stream at mouths



vs. zodiac
 Belly-to-belly, stream btwn mouths

IV. = O stemma (O² or μ)



Madrid, Bib nac
Ms 19 (16)

n.b. – facing away, bellies together, tied at mouth

Va. = O stemma (O² or μ = Siciliensis)



Cologne, Bib Bodmer
Cod lat 7
same



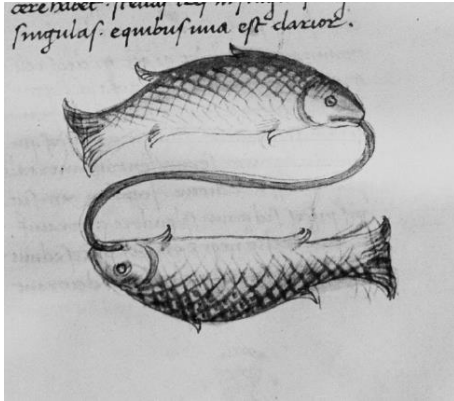
NY, Pierpont Morgan Libr
Ms M 389
same

Vb.



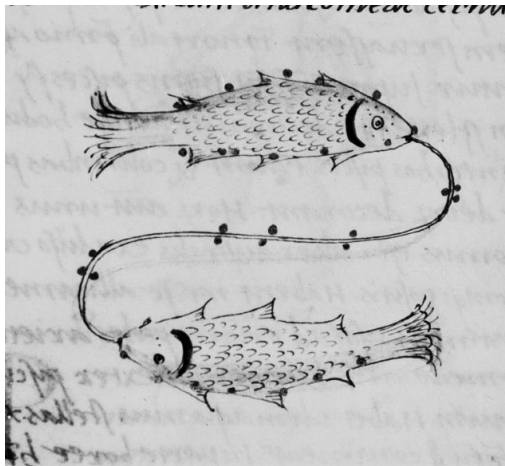
Vatican, BAV
Barb lat 76
same

VI.

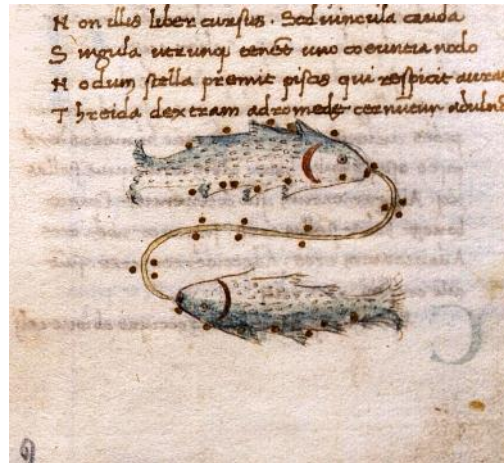


London BL
 Egerton 1050
 same

VII.



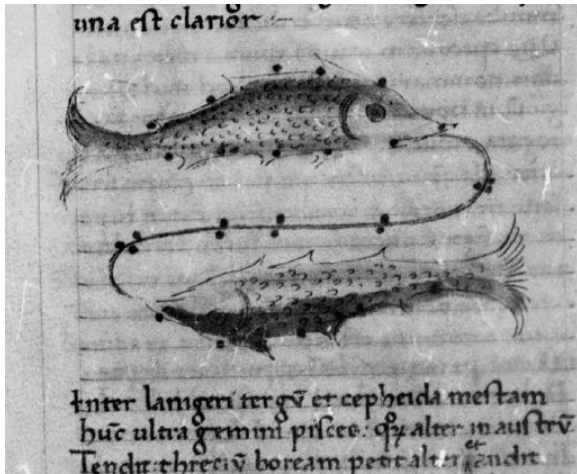
London BL
 Add 15819
 same



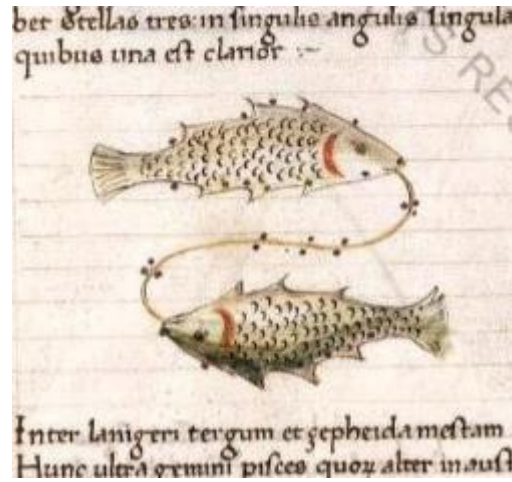
Naples, Bib naz
 XIV D 37
 same

= fragmentum ... repertum in
 Sicilia

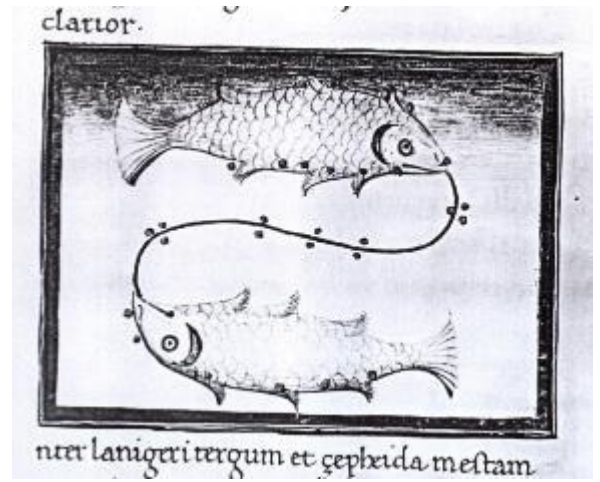
VIIIa.



Madrid Bib Nac
Ms 8282
same



Vatican, BAV
Barb lat 77
same



Vienna, Schottenstift
Ms 51
same

VIIIb.



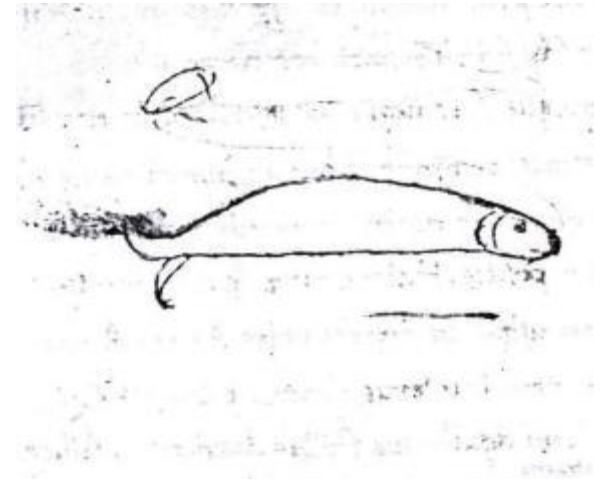
Vatican,BAV
Urb lat 1358
same

VIIIc.

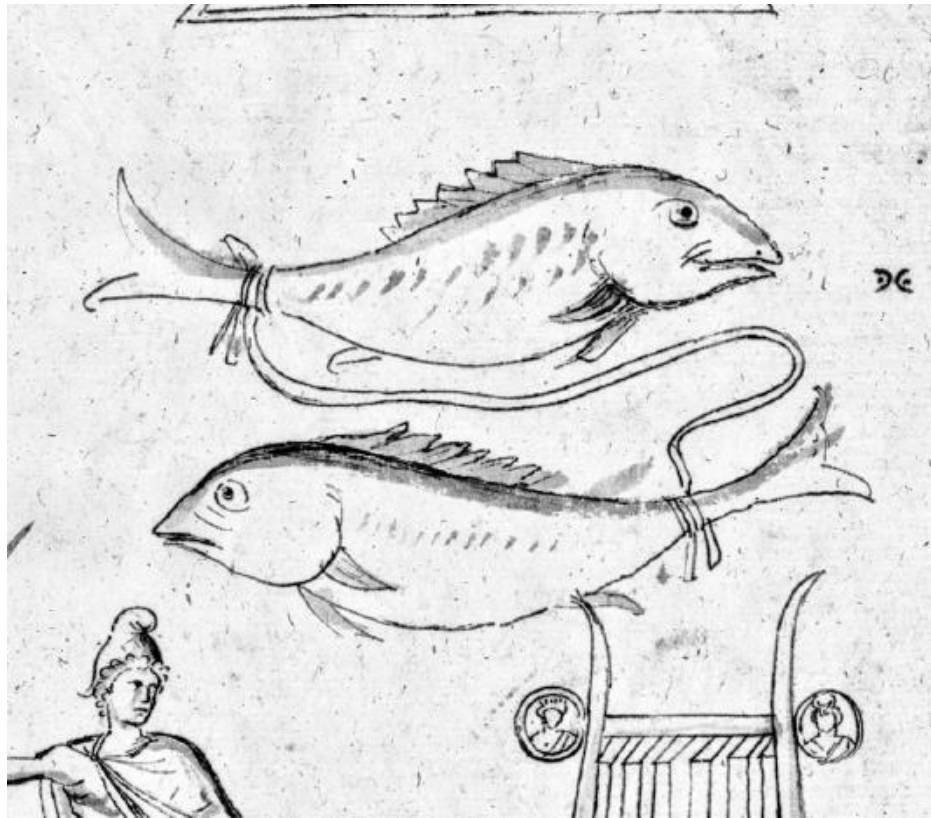


Florence, Bibl Laurenziana
Plut 89 sup 43
same

IX.



Montpellier
Ms H 452
facing away, both backs upwards, not
inked in



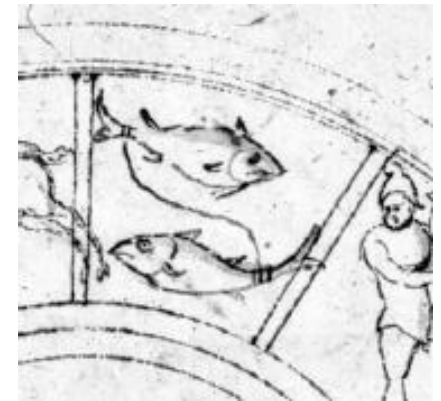
Vatican BAV,
 Vat grec 1087
 n.b. – facing away, backs upwards, tied at tail



Planisphere
 Back to back at angle, tied at tails



winter hemisphere
 same

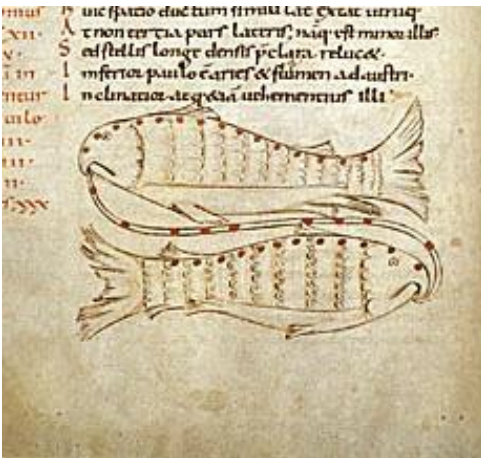


zodiac rota
 facing away, backs upwards

Cicero



London, BL
Harley 647
n.b. – opposite direction, both backs upwards,
tied at tails



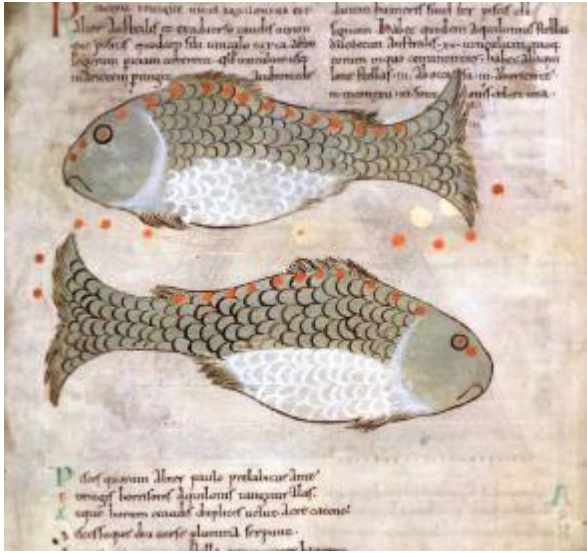
London, BL
Harley 2506
n.b. – same, but tied at mouths

Pisces



London, BL
Harley 647 – planisphere
n.b – same

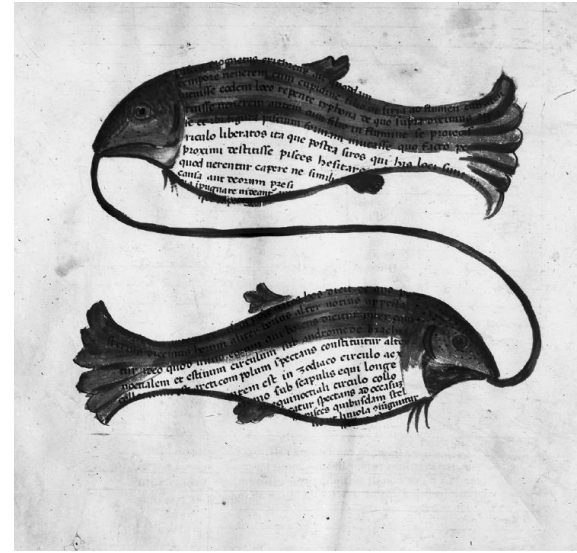




London, BL
Cotton ms Tib B.V., pars 1
n.b. – tied at tails



London, BL
Cotton Ms Tib C. 1
same



Gottweig,
Stiftsbibl Ms 7
n.b. – tied at mouths

I.



Dresden, Landesbibl.

Ms D C 183 –

n.b. – opposite directions, both backs up, tied at mouths



Paris BN

Lat 12957

n.b. – same



Prague, Univbibl

Ms IX. C. 6 (1717)

n.b. – same



Dresden – winter hemisphere

n.b. – same direction, back-to-back, tied at mouths



Dresden – zodiac rota

n.b. – both backs upwards, tied at mouths



Paris – winter hemisphere

n.b. – backs together, tied at mouths



rota

back upwards



Prague – winter hemisphere

1a.



St Gallen, Stiftsbibl
Ms 902

n.b. – opposite direction, both backs up, tied at mouths



St Gallen, Stiftsbibl
Ms 250

same



winter hemisphere
back up, tied at mouths



zodiac rota
same

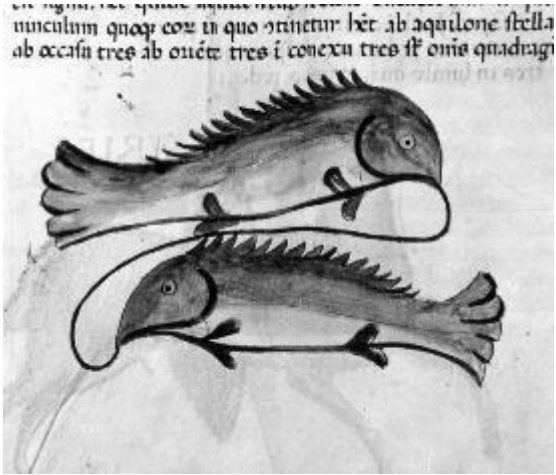


winter hemisphere
similar



zodiac rota
same

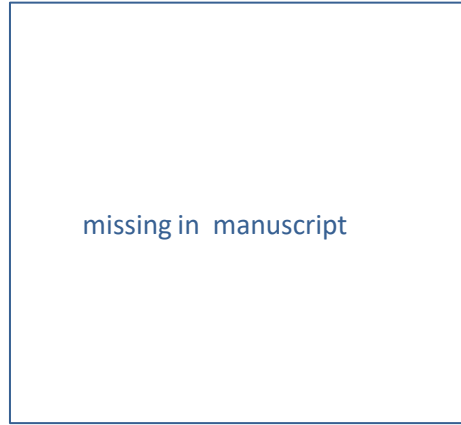
Ib.



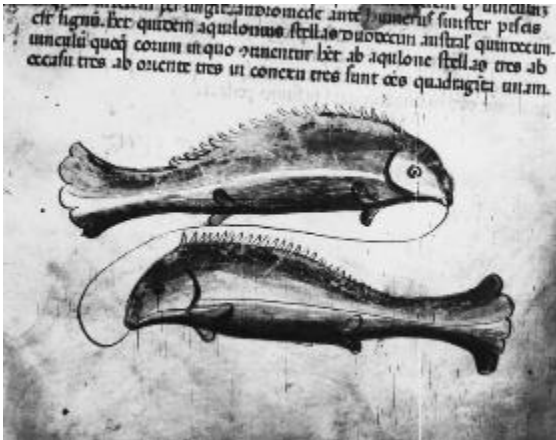
Gottweig, Stiftsbibl.

Ms 7 (146)

n.b. – opposite directions, both backs upwards, tied at mouths



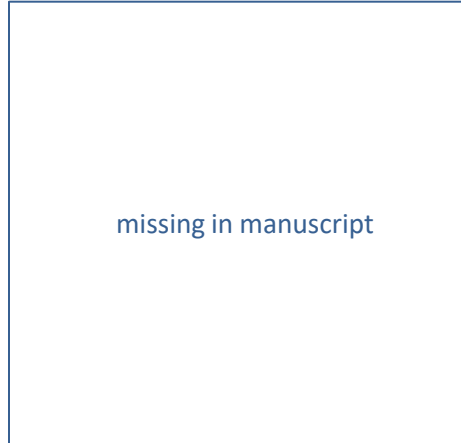
hemisphere



Siena, Bib com

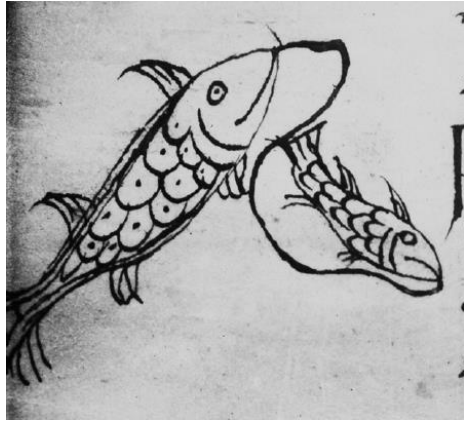
Ms L. IV. 25

saame

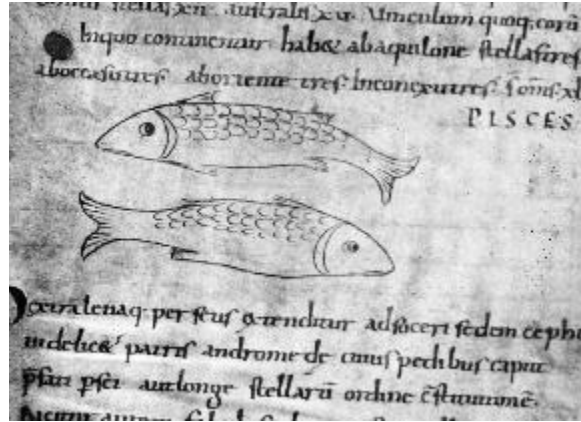


hemisphere

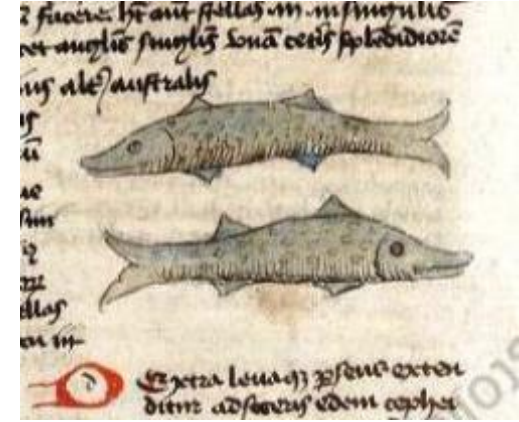
I. (distant relative)



Paris BN
n.a. 1614
n.b. – perpendicular, tied at mouths



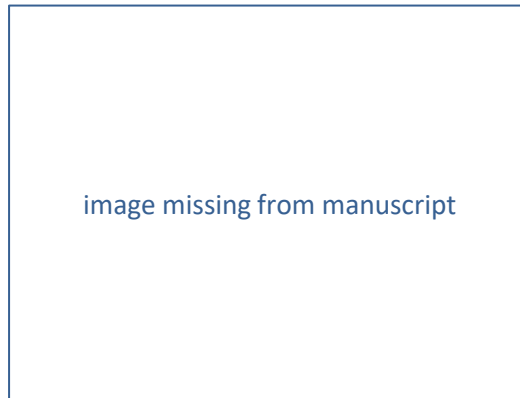
Munich, Staatsbibl.
CIm 560
n.b. – backs upwards, opposite directions, not tied



Vatican, BAV
Reg lat 1324
n.b. – Virgo with Scales and Spica



winter hemisphere
n.b. – backs up, opposite directions, tied at mouths

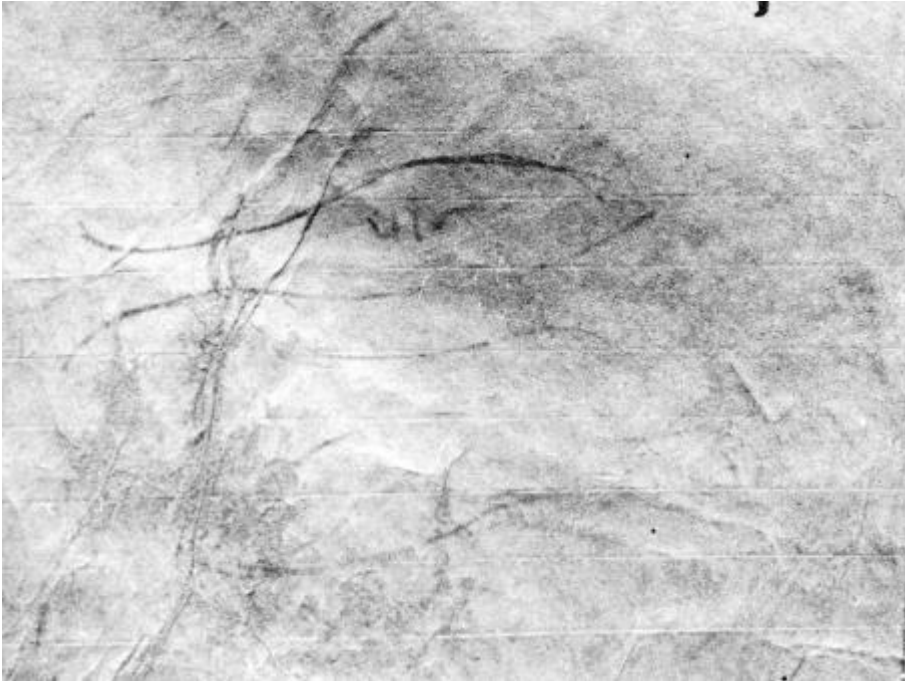


winter hemisphere



winter hemisphere
n.b. – same direction, backs up, tied at mouths 18

II.

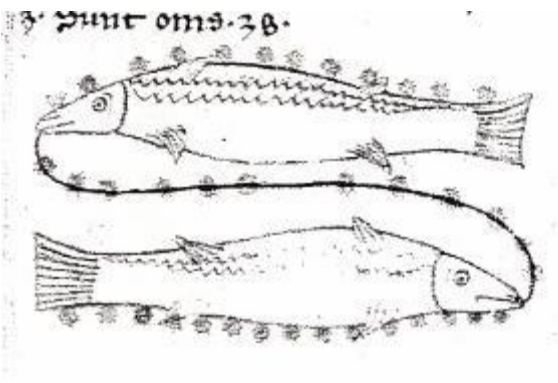


Cologne, Dombibliothek

Ms 83.11

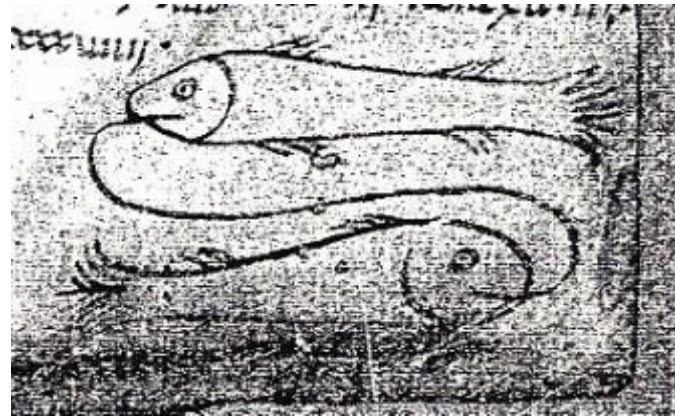
n.b. – pencil lines , opposite directions, tied at tails

1.



Oxford, Bodleian
Laud misc 644

n.b. – backs upwards, opposite directions, tied at mouths



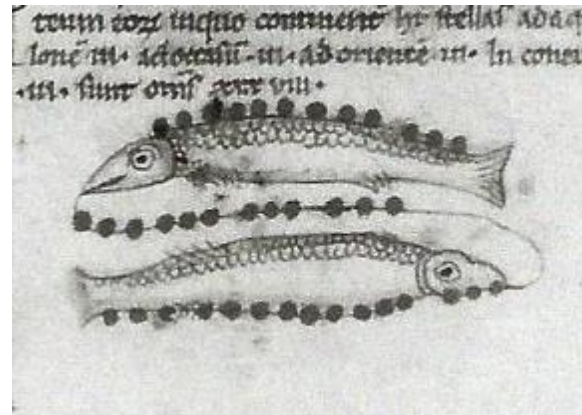
Padua, Bibl Antoniana
Ms Anton 27

same



Venice, Bib Marciana
Ms VIII, 22

same

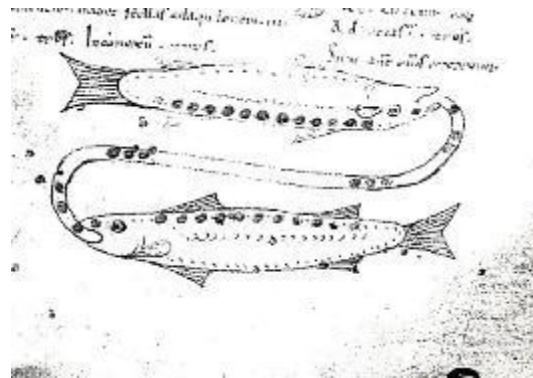


Paris BN
lat. 14754

1a.



Dijon
 Bib mun, Ms 488
 n.b. -- backs upwards, opposite
 Directions, mouths connected



second zodiac series
 n.b. – backs together, opposite dirctions, stream
 connects mouths

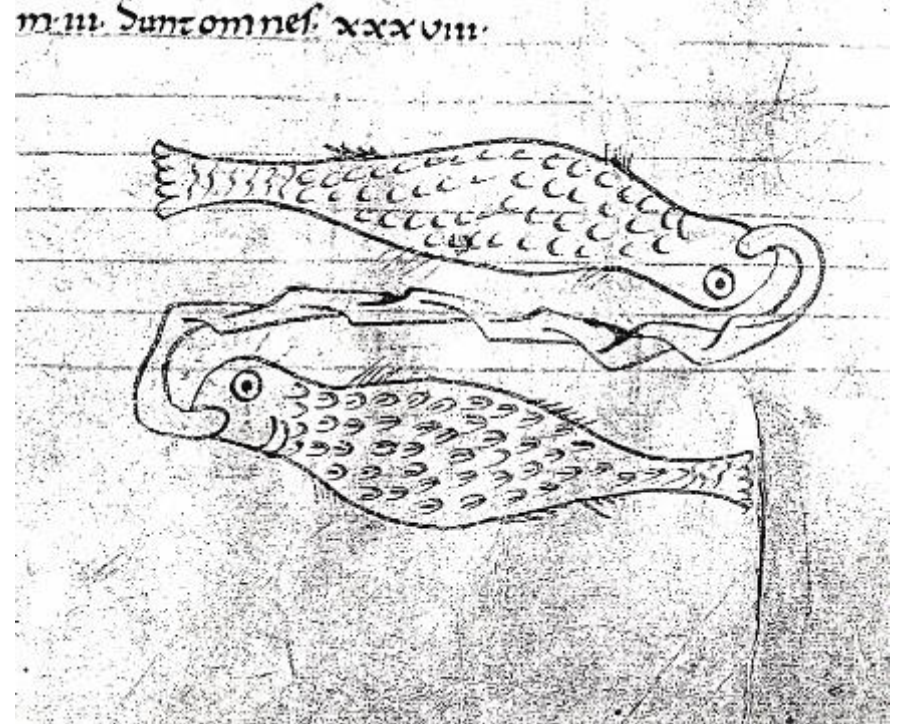


zodiac rota
 stomachs touching, opposite
 directions, tied at mouths

Ila.

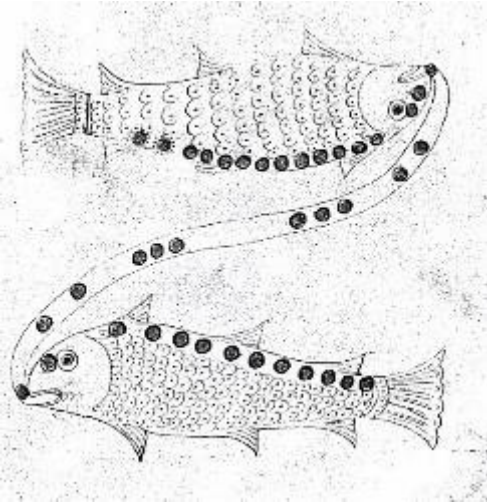


Paris, BN
Lat 5543
n.b. – opposite direction, back-to-back, tied at mouths



Paris, BN
Lat 5239
n.b. – similar, but connection more like a stream

IIb.

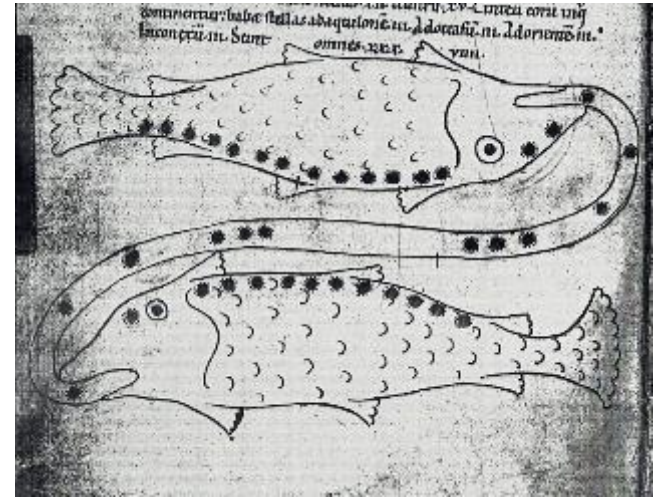


Klosterneuburg,
Stiftskirche, Ms 685

n.b. – opposite directions, back-to-back, tied at mouths

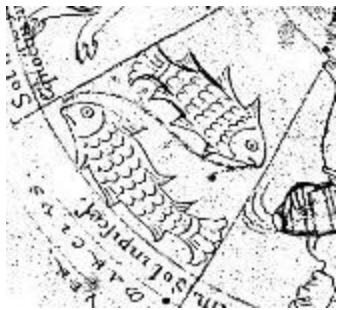


Vatican, BAV
Vat lat 643
same



Zwettl, Stiftskirche
Ms 296

closer to Klosterneuburg



zodiac rota
both backs upwards



zodiac rota
backs together

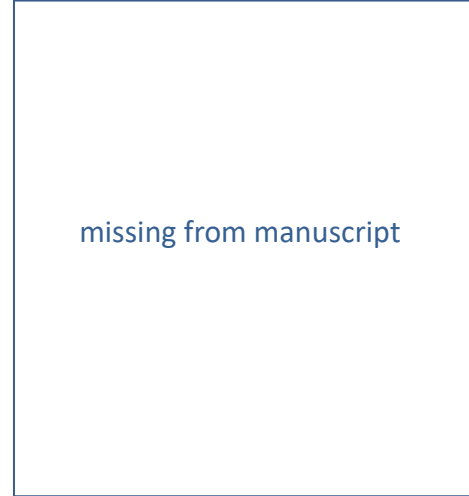


zodiac rota
backs together

III.

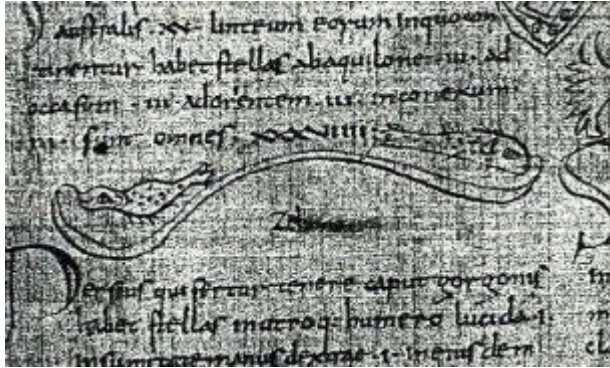


Laon
Bib mun, Ms 422
n.b. – backs upwards, tied at mouth

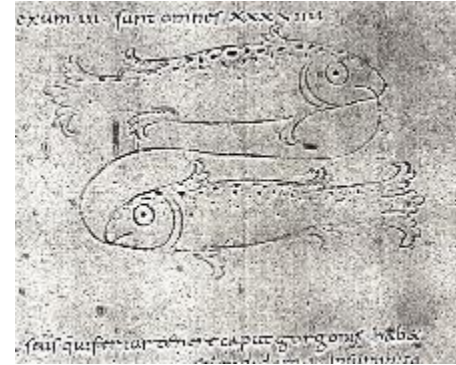


Rouen,
Bibl mun, 26

Singletons



Amiens
Bibl mun, Ms 222
n.b. – swimming away, tail-to-tail; tied at mouths



Freiburg-im-Bresgau
Ms 35
n.b. – both back up, tied at mouths



Durham, Cathedral Libr
Hunter 100
n.b. – opposite directions; backs upwards, tied at tails



Pisces on calendar page
not tied

Singletons



Montecassino,
Badia, Ms 3

n.b. – opposite directions, both back upwards, tied at mouths

1a.



Berlin, Staatsbibl
Ms lat 130 (Phill 1832)

n.b. – opposite direction, both backs up,
tied at mouths



Berlin planisphere

n.b. – opposite direction, both backs up



Monza, Bib capit
Ms F. 9/176 (246)

N,b, -- opposite direction, backs upwards,
tied at mouths



winter hemisphere

off edge, S fish partially visible

1a.



Madrid, Bib Nac
Ms 3307

n.b. – opposite directions, backs upwards, tied at mouths

1b.



Vatican BAV,
Vat lat 645
similar

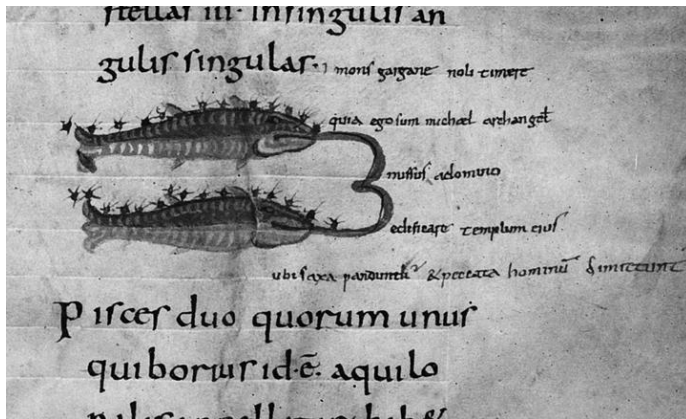
II.



Munich, Staatsbibl. Ms clm 210
 n.b. — same direction, backs upwards,
 3-shaped tie at mouths

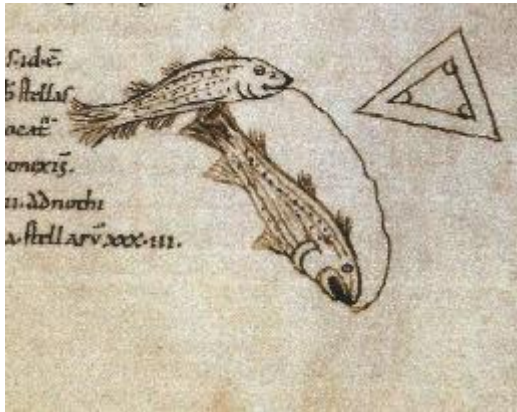


planisphere
 same direction, bellies upwards



Vienna, ONB
 Vindob 387
 same

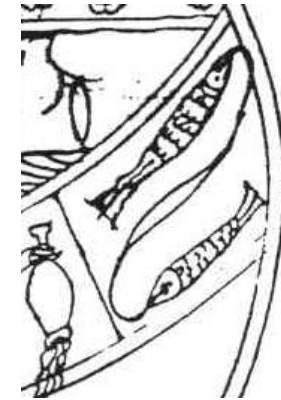
III.



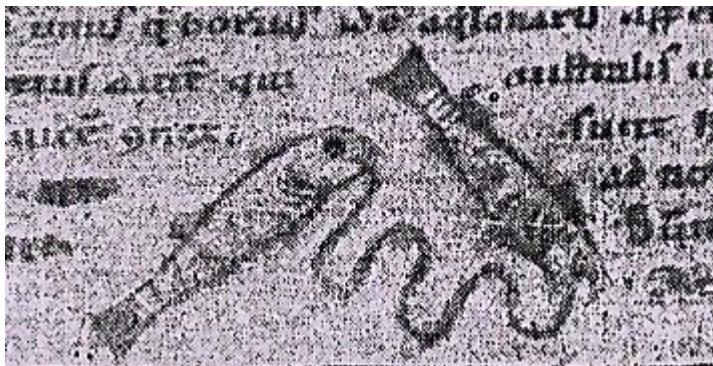
Austin TX, Harry Ransom,
Univ of Texas, Ms 29
n.b. – at angles in same direction, tied at
mouths



Paris BN
lat n.a. 1614
female with Scales
similar

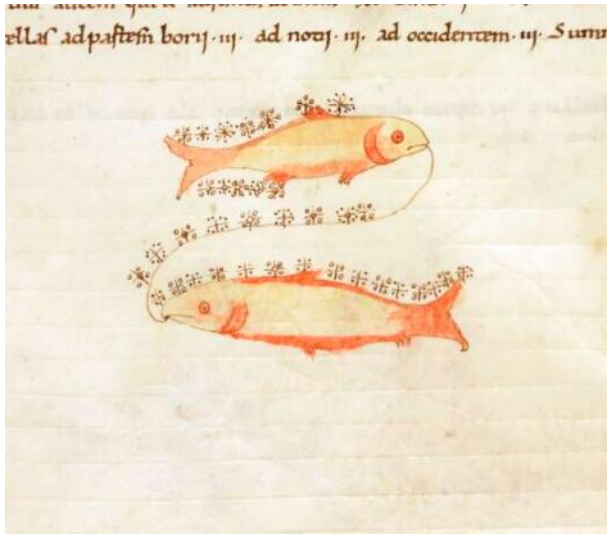


winter hemisphere
opp. directions, tied at mouths



St Petersburg, Nat Libr
Ms Q v IX, no 2
n.b. – similar, note curving stream connecting mouths

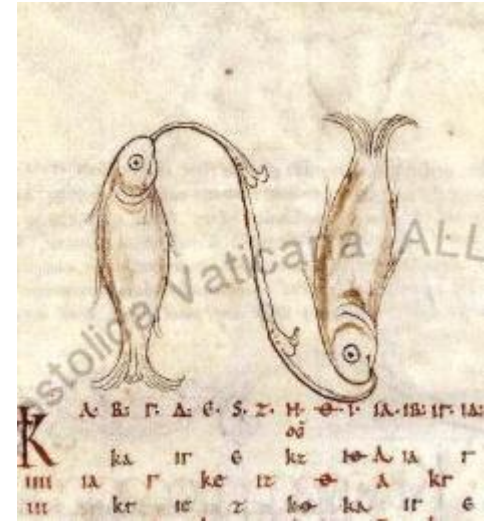
IV.



Paris BN
lat 12117
n.b. – opposite direction, both with backs
upwards, tied at mouths

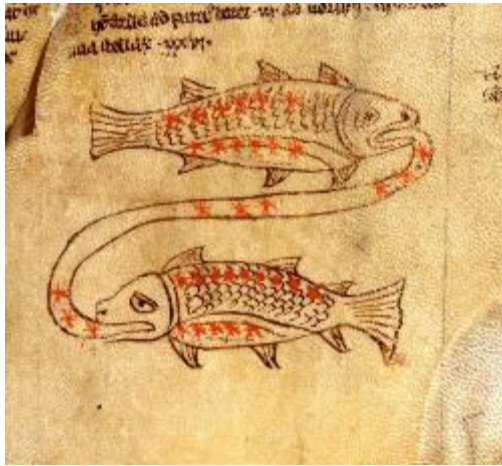


Vatican BAV,
Reg lat 309
n.b. – similar

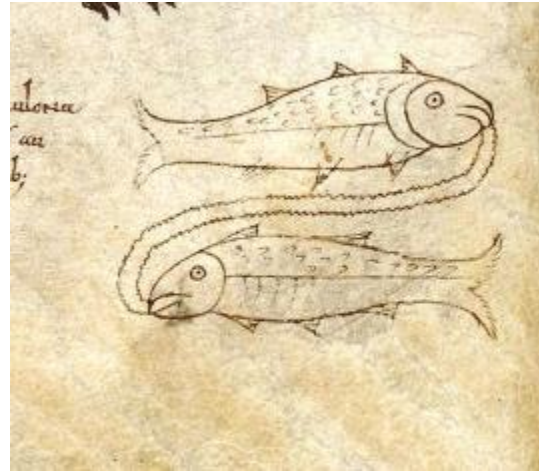


calendar page

V.



Los Angeles, Getty Mus
Ludwig XII, 5
n.b. – opp. direction, backs upwards,
connected at mouths



Paris BN,
lat 8663
n.b. – similar

Singletons

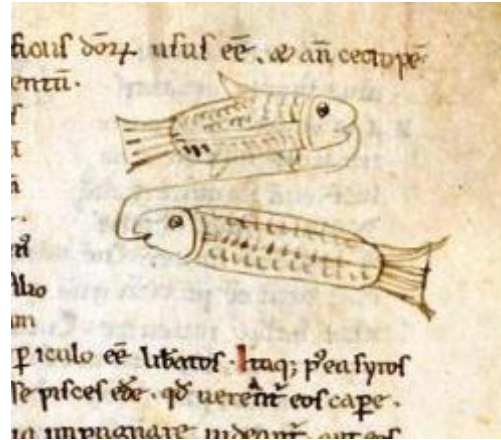


Vienna, ONB
Vindob 12600
n.b. – opposite directions, backs
upwards, S-shaped tie between
mouths



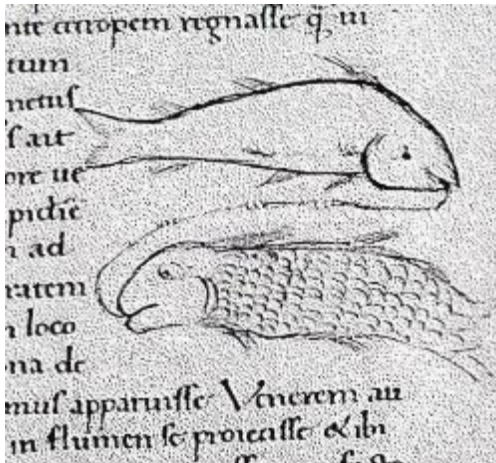
Reykjavik
Ms 1812
n.b. – opposite directions, back upwards

1a.



S Paul im Lavantthal
Ms 16/1 (XXV. 4. 20)

Florence, Bibl Laurenziana
Ms Plut 29.30
n.b. – opposite direction, backs upwards,
tied at mouths



Leiden, Univ-bibl
Voss 8°18
similar

1b.



Wolfenbüttel, Herz Aug
 Ms 18. 16. Aug 4°

n.b. – opposite directions, backs upwards, tied
 at mouths, stream coming from Aquarius's urn



London BL
 Arundel 339

same

Ic. (singleton)

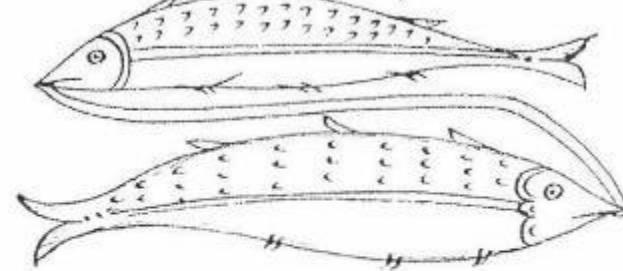


Vienna ONB
Vindob 51

n.b. – opposite directions, backs upwards, tied at mouths

II. (singleton)

hoy coniunctionē q̄ apede arietis p̄mo uocac̄. Ariac̄ gr̄



Lo Hodway celeste dicit. Qui utraq; uolē significa
n̄ n̄ solum pisciū sed & utoci spere ēē. Q̄ enim le
ede mesen dī qui meridiem significat. i q̄ loco l

Leiden Univ-bibl
Voss lat 4° 92

n.b. – similar

III.



Leiden Univ-bibl
 Voss lat 8° 15
 n.b. – opposite directions, back-to-back, tied at mouths



Vatican BAV
 Reg lat 123
 n.b. – same



planisphere
 n.b.. – similar, with Z-shaped configuration

IV.



Oxford, Bodleian Libr
Bodley 614

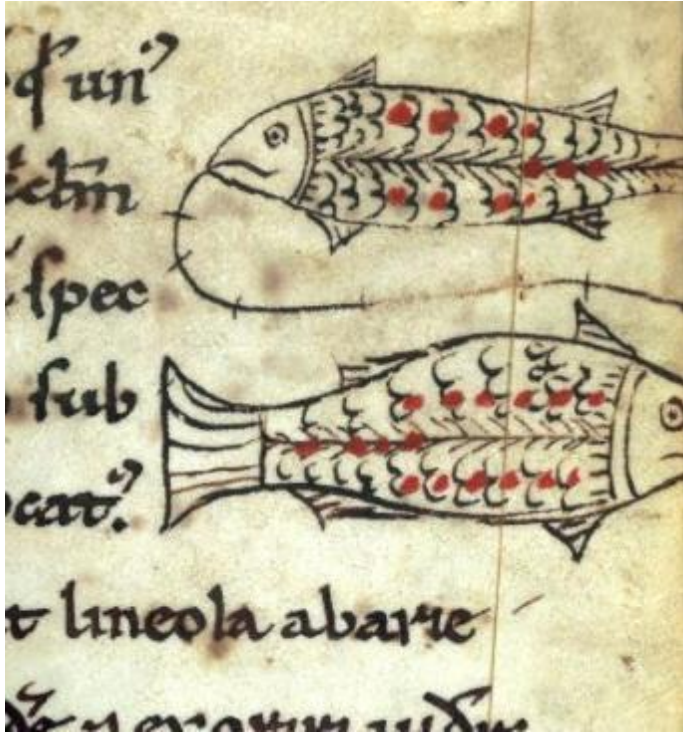
n.b. – opposite directions, backs upwards, tied at mouths



Oxford, Bodleian Libr
Digby 83 (SC 1684)

n.b. – similar, but belly-to-belly

V. (singleton)

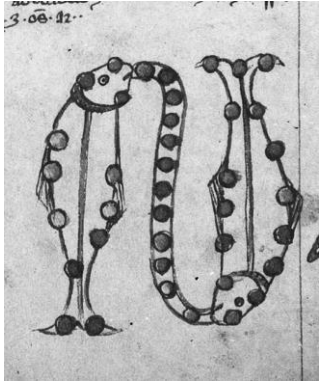


Baltimore, Walters Art Gallery

Ms 734

[similar](#)

VI. (singleton)



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

n.b. – opposite direction, belly-to-belly, tied at mouths

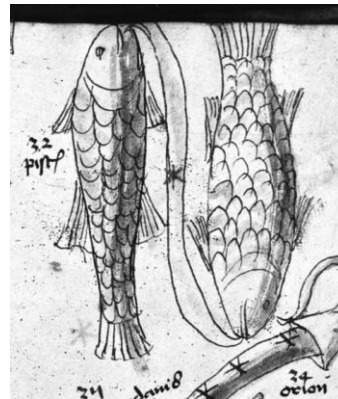
VI- related: German Star Books ('secundum Hyginum')



Lyon, Bib mun, Pal des
Arts 45



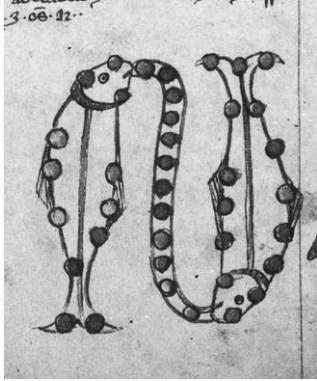
Lyon, Bib mun
Ms 172
same



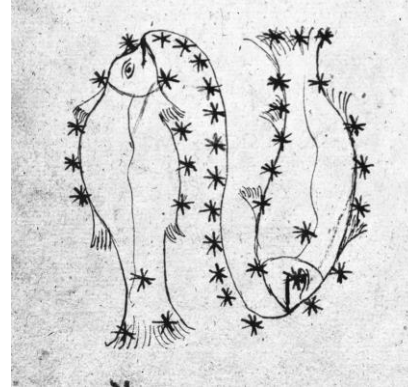
Munich, Staatsbibl
Germ 595
same

VI. (singleton)

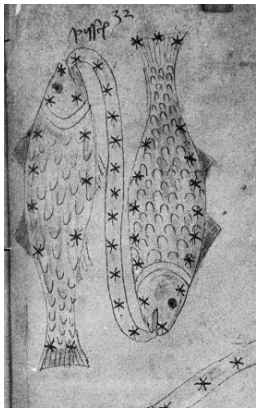
VI- related: German Star Books ('secundum Hyginum')



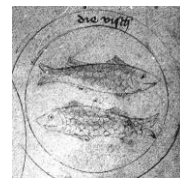
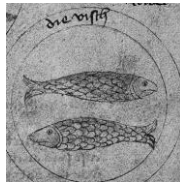
Berlin, Staatsbibl.
Ms 8° 44 (Rose 962)



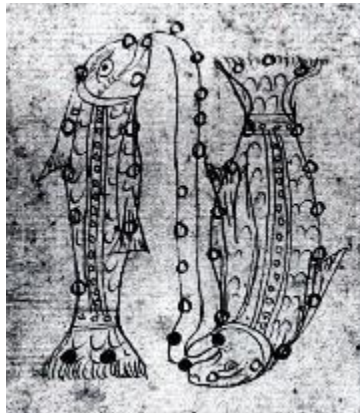
Munich, Staatsbibl
Clm 59
same



Vatican BAV
Pal.lat. 1369
like Munich 595



planet-god
pics

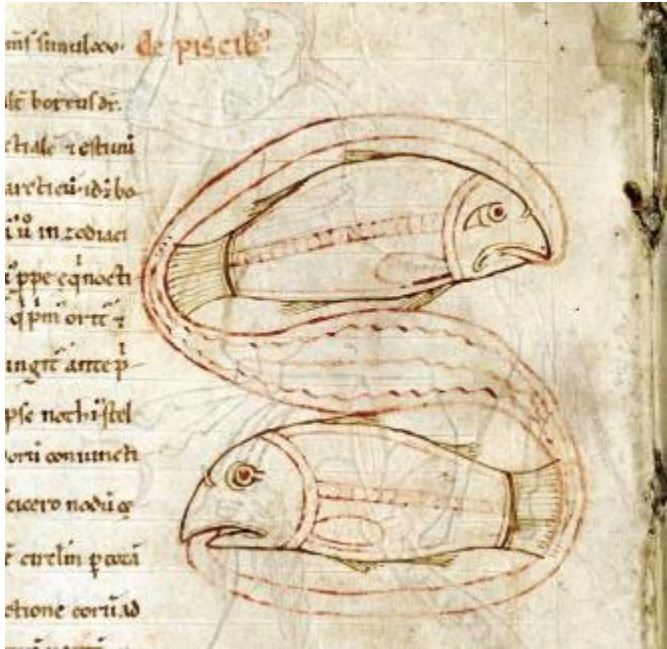


Vatican BAV
Pal.lat. 1389
same



Wolfenbüttel Herz Aug
Guelf 81 24 Aug 2
independently

VII. (singleton)



London BL,
Roy Ms 13. A. XI

n.b. – backs upwards, opposite directions, mouths connected by stream

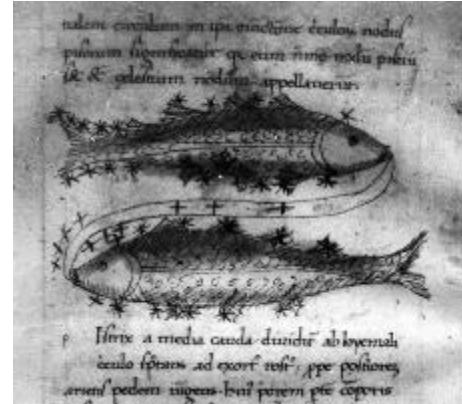
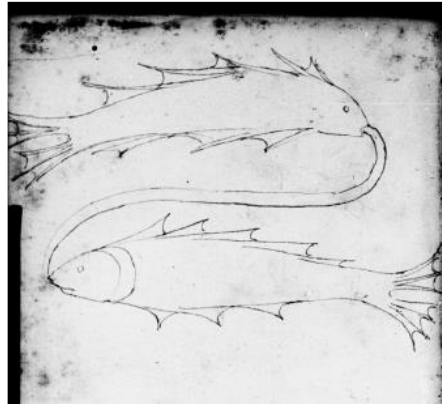
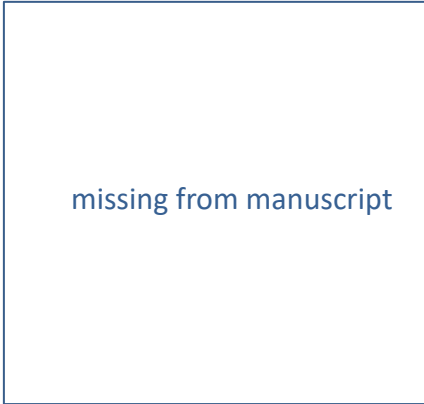
VIII. (singleton)



Munich, Staatsbibl.
Clm 10270

n.b. – backs upwards, opposite directions, tied at mouths

IXa.

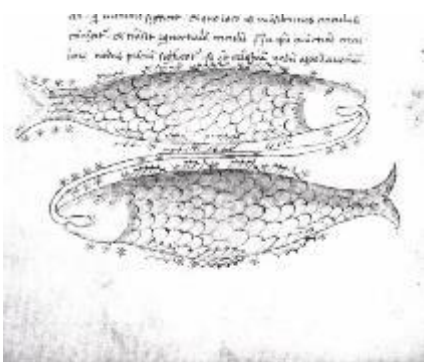


Cambridge, Fitzwilliam Mus
Ms 260

Florence, BN
Magl XI. 141
n.b. – backs up, opp. direction,
stream connects mouths

Milan, Bibl. Ambrosiana
T. 47 sup
same

Oxford, Bodleian Libr
Can. class lat 179



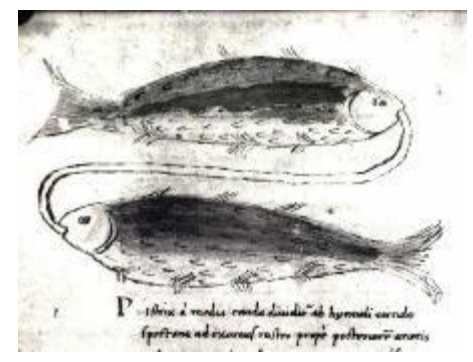
Siena, Bib com
Ms L. VI. 25
same



Vatican, BAV
Vat lat 3109
similar, no stars

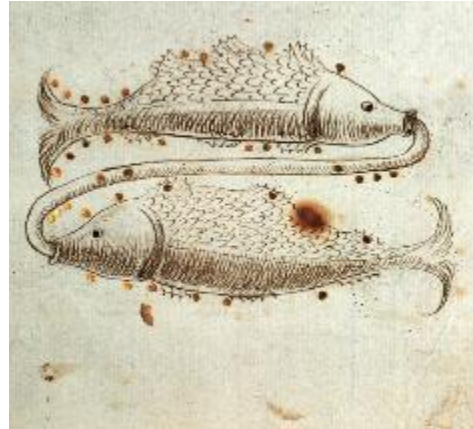


Vatican, BAV
Vat lat 3109
similar, with stars

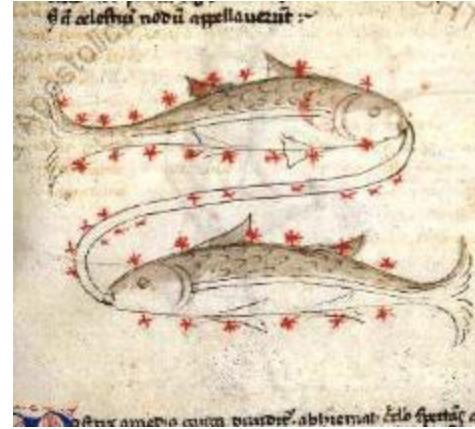


Verona, Bibl capitolare
Ms CCLXI
similar

IXb.



IXc.



missing from
manuscript

Oxford, Bodleian Library
Can misc 46

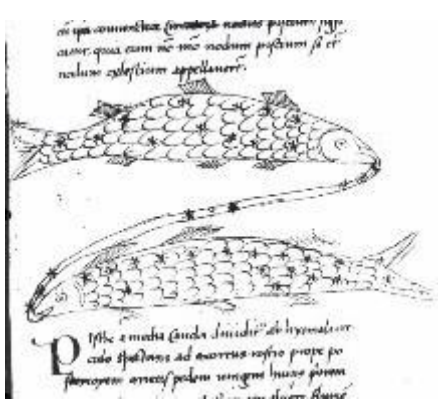
n.b. – backs upwards, opposite
directions, mouths connected
by stream

Milan, Bibl Trivulziana
N. 690 (E 83)
similar, with stars

Vatican, BAV
Vat lat 3110
same

Florence, BNC
Magl XI. 114,1

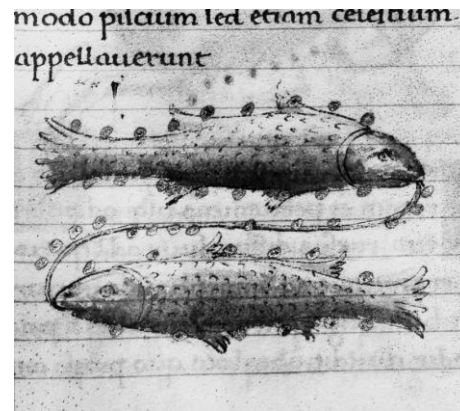
IXd. (distant singleton)



Florence, Bibl Laurenziana
Ashburnam1148

n.b. – backs up, opposite directions,
stream connects mouths

IXe.

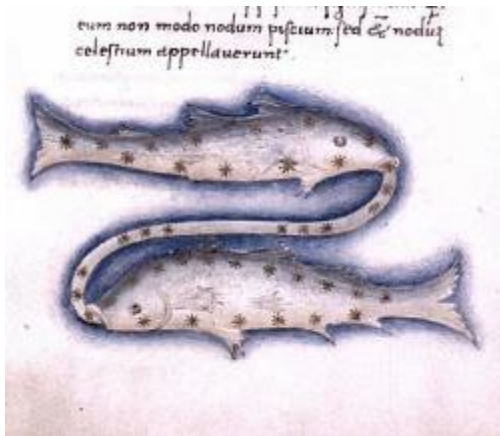


Pavia, Bibl Univ
Aldini 490
same

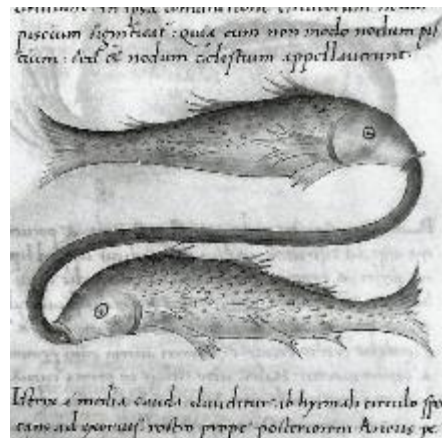


Vatican., BAV
Urb lat 1358
same

IXf.

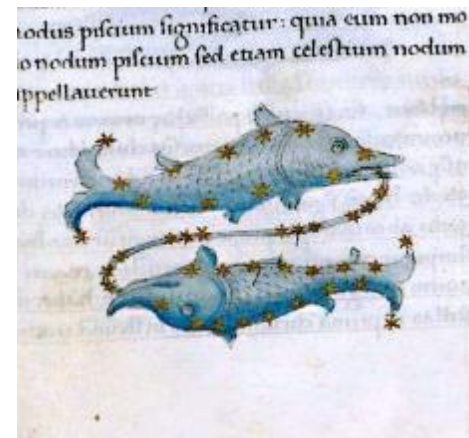


New York, Public Library
Spencer Ms 28
same



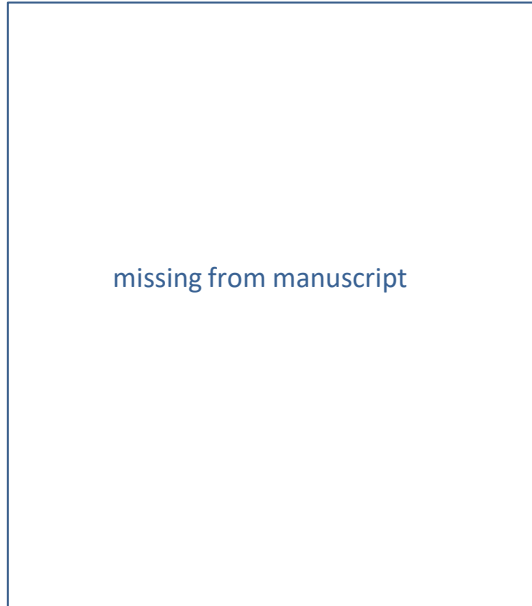
Freiberg, Andreas-Möller-Bibl.
CI XI 4o 9
same

IXg.



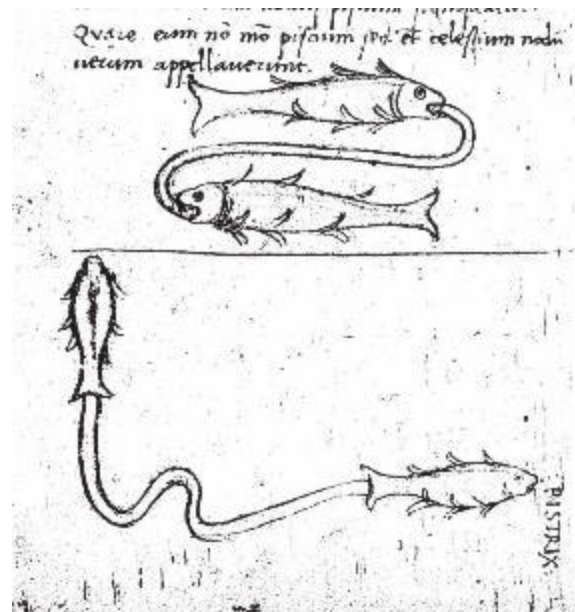
Florence, Bib Laurenziana
Plut 89, sup 43
n.b. -- belly to belly

X. (singleton)



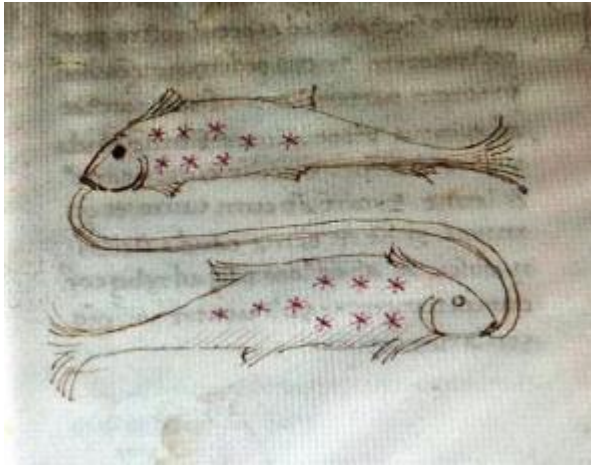
Vatican, BAV
Chigi H. IV. 20

XI. (singleton)



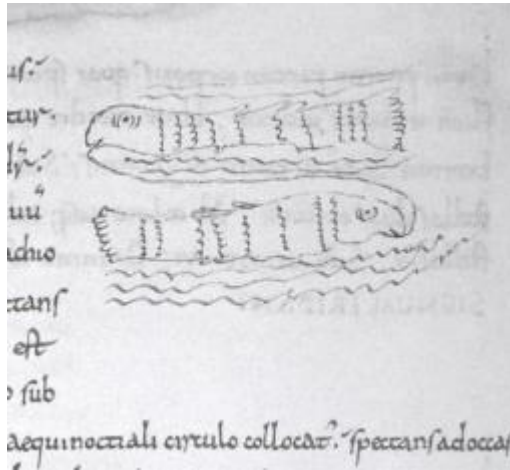
Cortona, Lib del Comune
Ms 184 (256)

n.b. – two versions, cf: Domenico Bandini

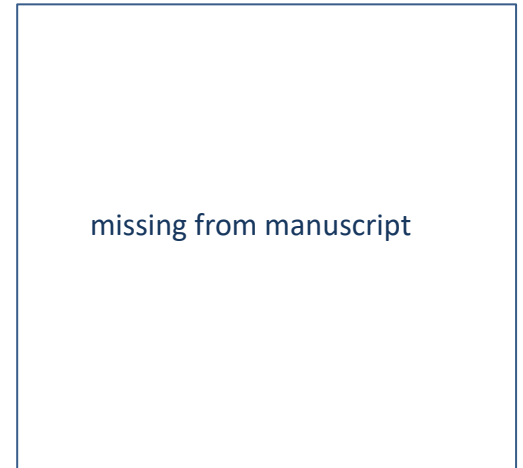


Cambrai, Bibl Mun.
Ms 933 (832)

n.b. – backs up, opposite directions,
stream connects mouths

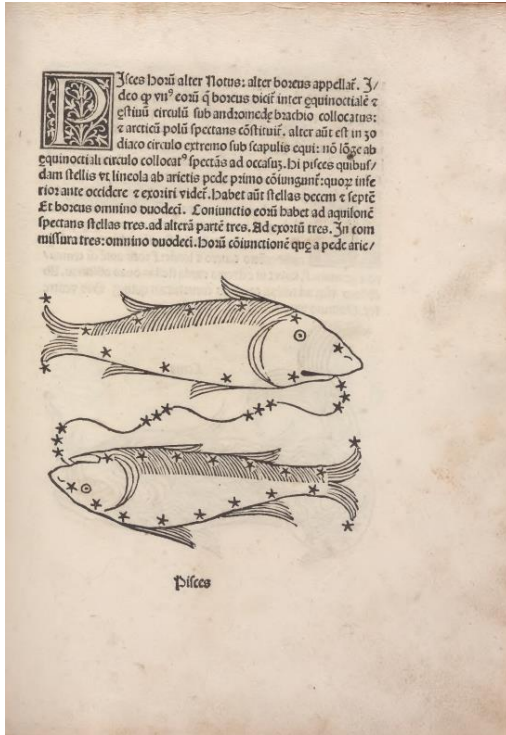


Cambridge, Trinity College
Ms R 15 32
similar



Leiden, Univ.-bibl.
Gronovius 21

Venice: Ratdolt, 1482



cf Michael Scot = stomachs together, opposite directions, mouths connected by line



Vienna ÖNB
Vindob 3111
similar

Ia.



Rimini, Cassa di Risparmio
 (London Sotheby's sale 1992)
 n.b. – backs upwards, opposite directions,
 stream connects mouths

Ib.



Cambridge, CUL
 Dd IV 64
 n.b. – similar

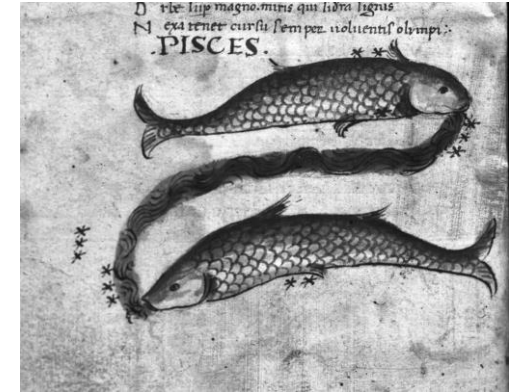
Ila.



Oxford, Bodleian Libr
 Bodley 646
 n.b. – similar

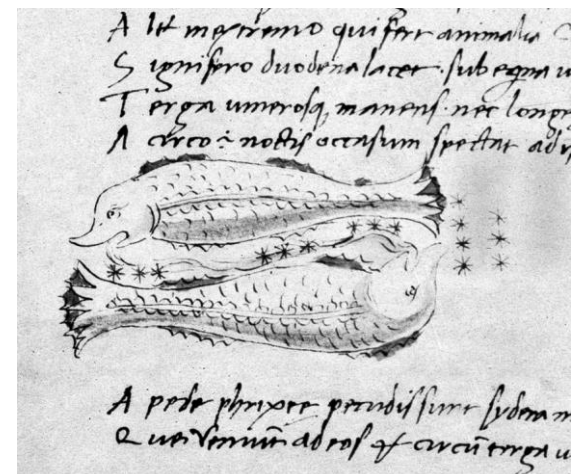
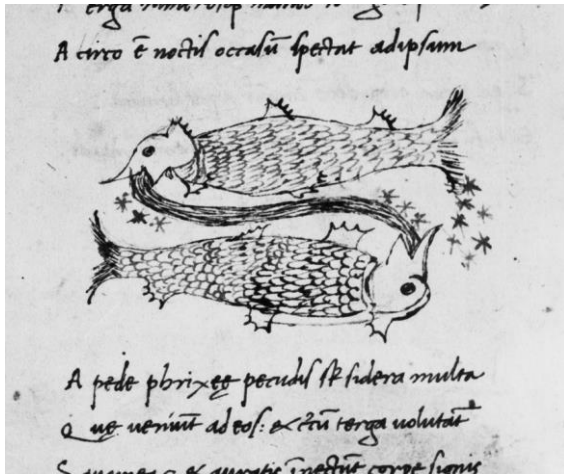


Parma, Bib Palatina,
 Parm 1008
 same



Venice, Bibl Marciana
 XII, 194 (4148)
 same

IIb.



Parma, Bibl Palatina
 Parm 27
 n.b. – belly-to-belly, pointed snout

Rome Bibl Casanatense
 Ms 4059
 same

Munich, BSB
 Clm 15743
 same

III.



Bologna, Bibl Com
Ms 173

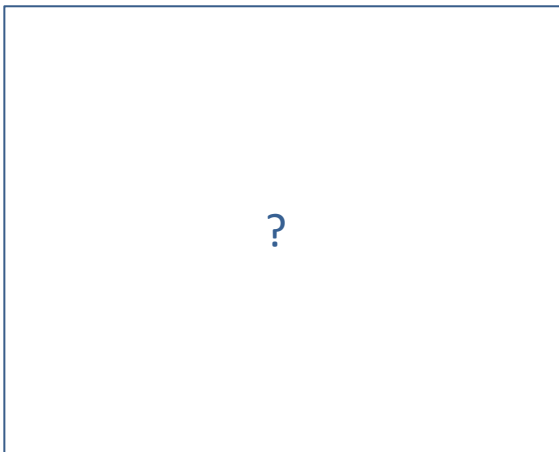
IV.



London, Wellcome Coll
WMS 122

n.b. – backs upwards, opposite directions, stream connects mouths

V.

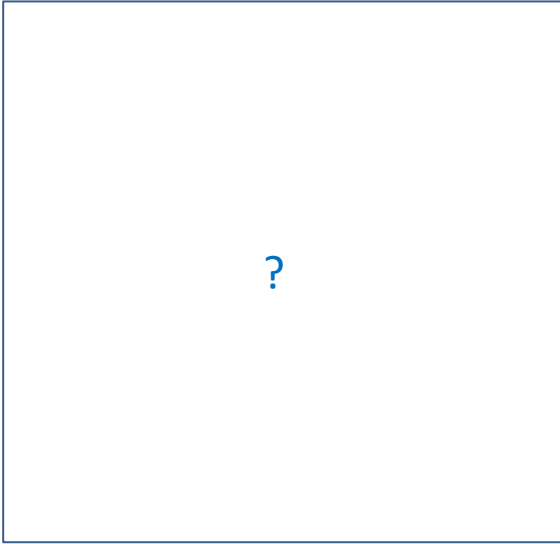


Ravenna, Bib Classense
Ms 120

VI.



Florence, Bibl Marucelliana
Ms C. CCLI



Krakow,
Rps BJ 3706

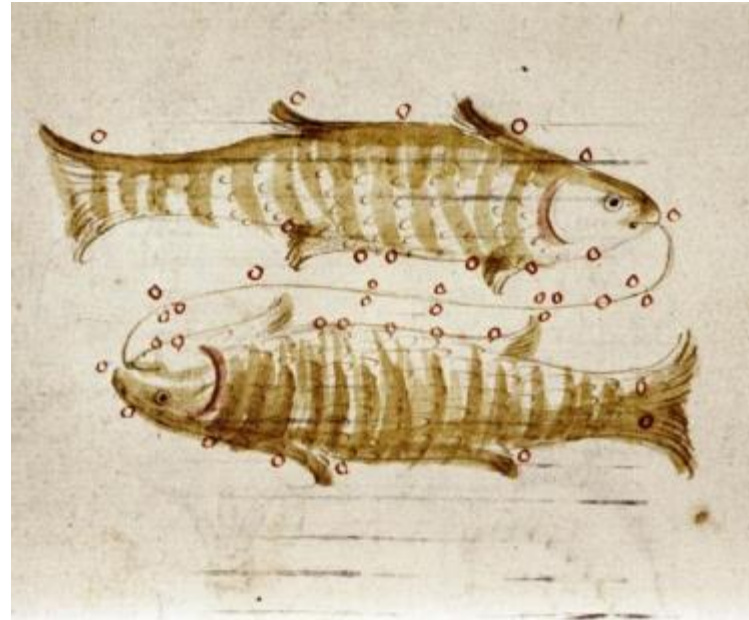
Padua, Bibl. Universitaria
Cod 983

N Italian Group – Ia.



Munich, Staatsbibl
Clm 10268

n.b. – belly-to-belly, opposite direction, mouths connected



Oxford, Bodleian Libr
Bodley Ms 266

same

N Italian Group – Ib.



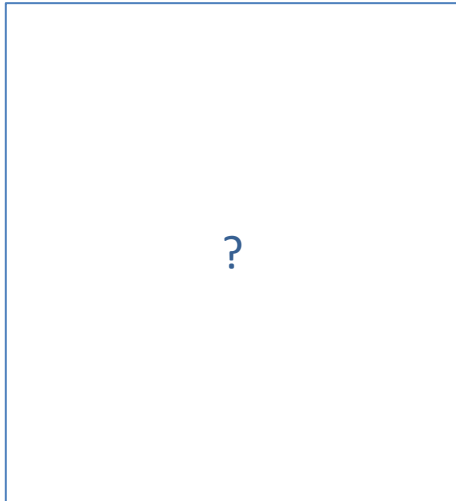
Vatican, BAV
Vat lat 4087 A



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

n.b. – similar with pointed snouts

N Italian Group – Ic.



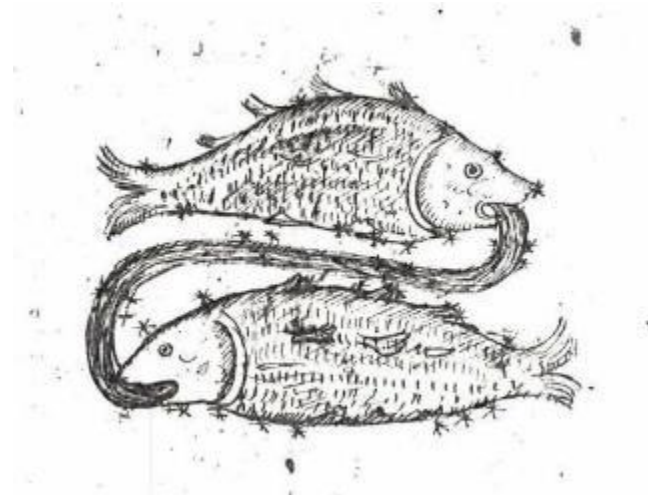
Warsaw, BN,
B Baw 46

N Italian Group – Id.



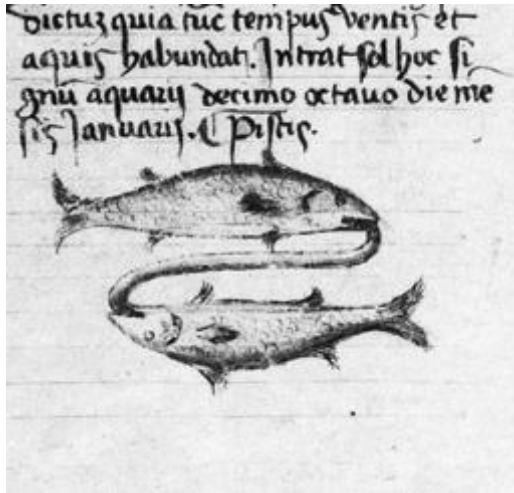
Vienna, ONB
Vindob 3394
n.b. – similar

N Italian Group – Ie.



Padua, Bibl Seminario
Cod. 48
n.b. – similar

Venetian Group – IIa.



London BL
Add 41600
n.b. – similar



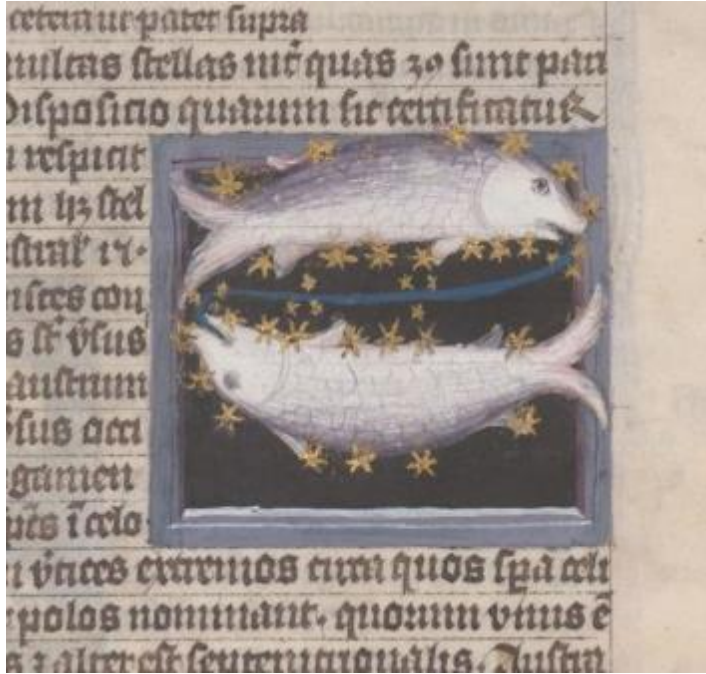
London, Wellcome Coll
Ms 509
same

Venetian Group – IIb.

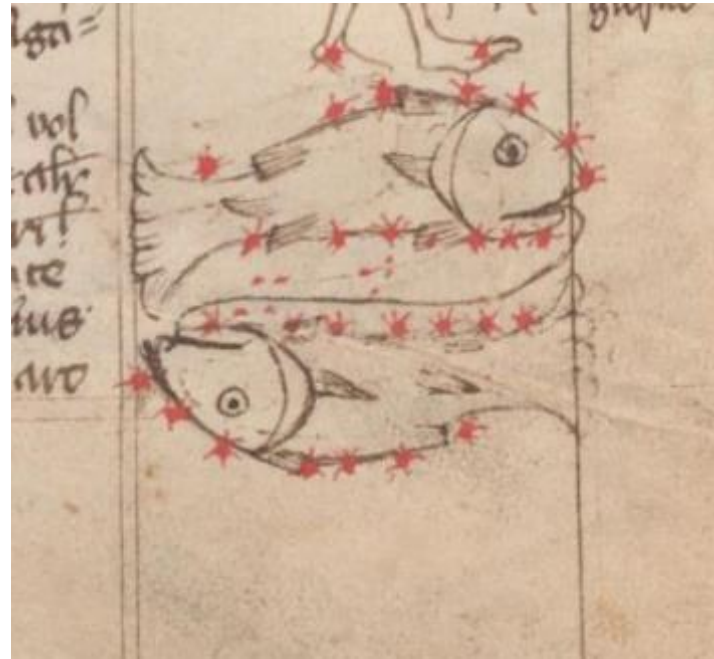


Milan, Ambrosiana
Ms I 90 sup
same

Bohemian Group – IIIa.



Vienna, ONB
Vindob 2352
n.b. –same



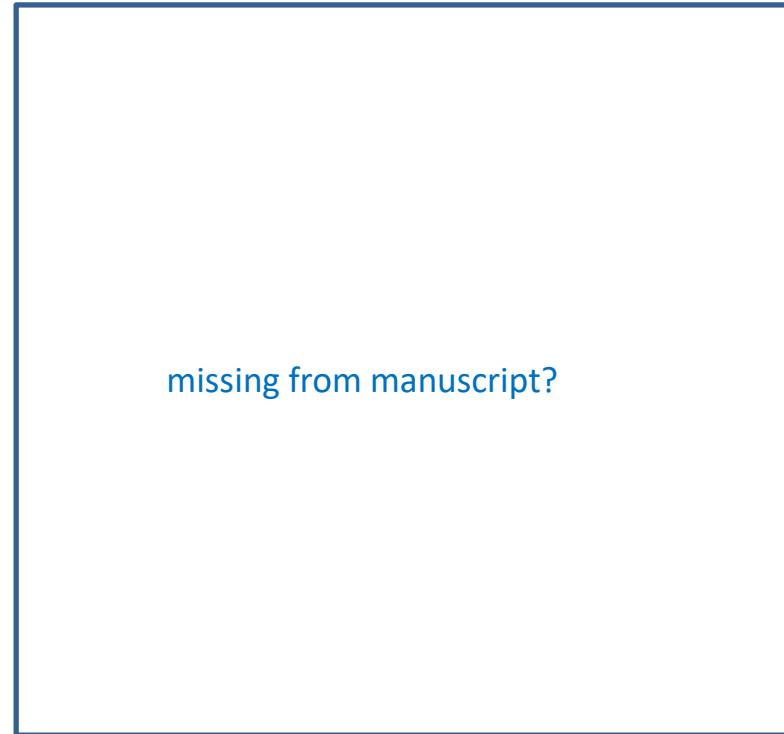
Vienna, ONB
Vindob 2378
similar

Bohemian – IIIa.



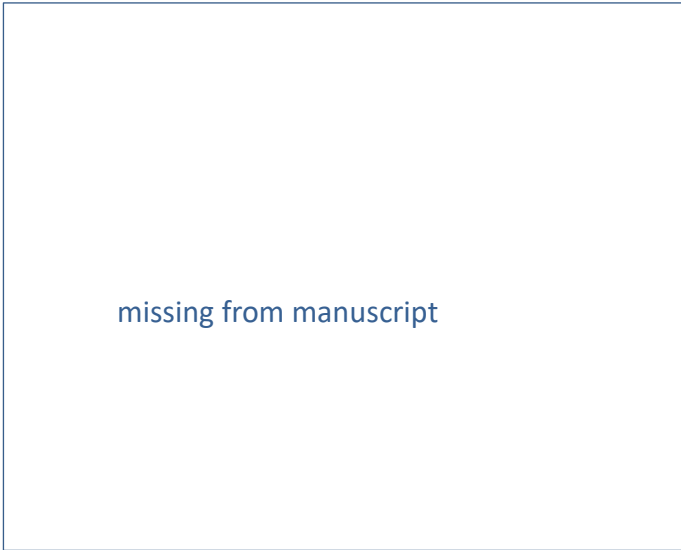
Prague NK,
Ms III. C. 2
n.b. – same

Bohemian – IIIb.



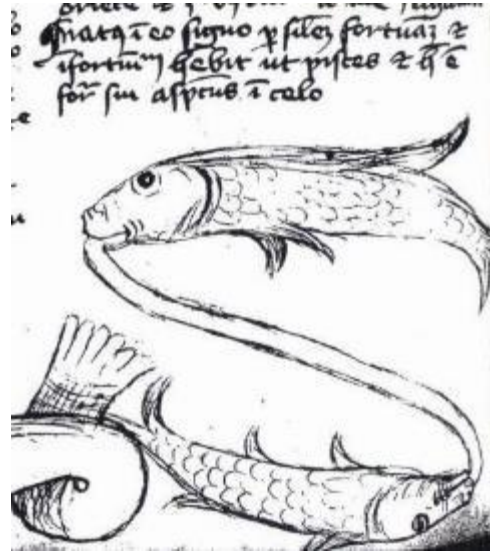
Paris BN
lat 7408A

Bohemian – IIIc.

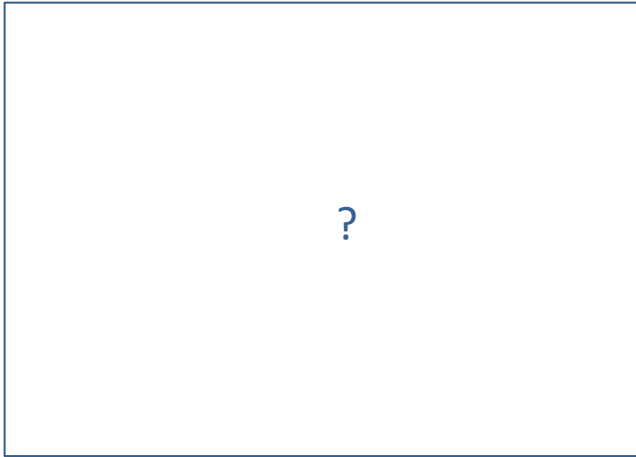
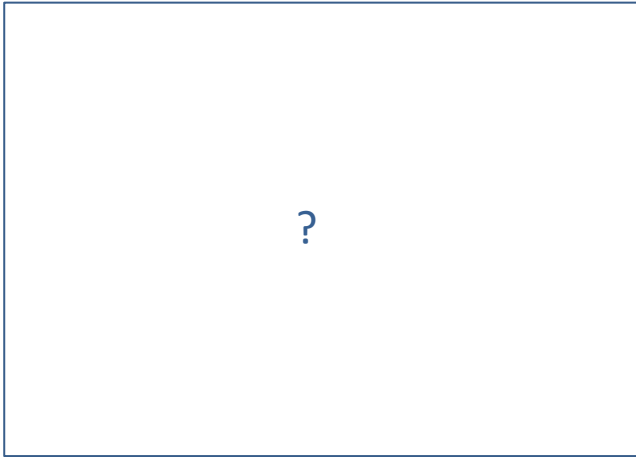


Vienna, ONB
Vindob 5442

Bohemian – III d.

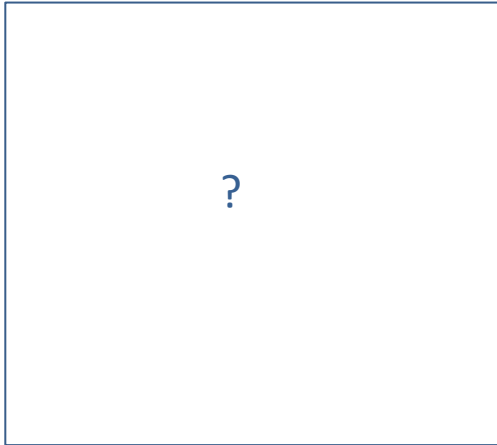


Cambridge, MA
Harvard, Houghton
Libr., Typ 43
n.b. – similar, with longer snouts



Edinburgh, Royal Observatory
Ms Cr 3. 23

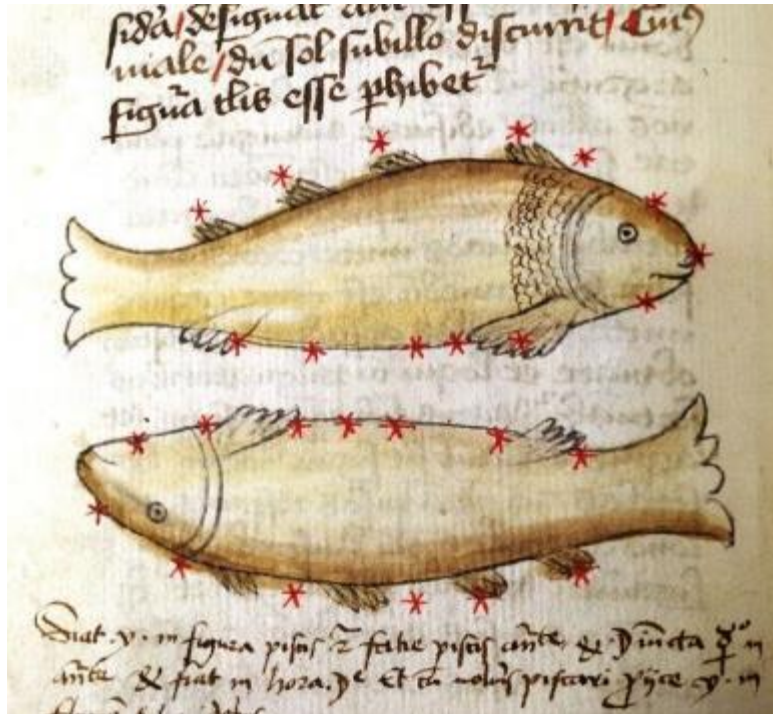
Florence, BNC
Magl. XXII, 22



Klosterneuburg, Augustiner Ch-Stift,
Ms CCI 125

Krakow, Bibl Jagiellonska
Rps 573

n.b. – V-shaped, connected at tails with knot



Prague, Narodni Knihova
 Ms XXXVI A 3
 n.b. – bellies together, opposite directions, no connection



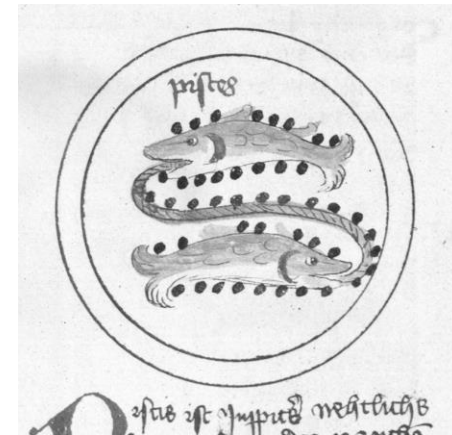
Seville, Bibl Columbina
 Ms. 7.7.1
 n.b. – both backs upwards, opposite directions, tied at mouths

Michael Scot
German mss – IVa.

Pisces



constellation



Salzburg, Studienbibl

2 G 8/13

same



Darmstadt, Hess Hochschulbibl.

Ms 266

n.b. – backs up, opposite directions, tied at mouths

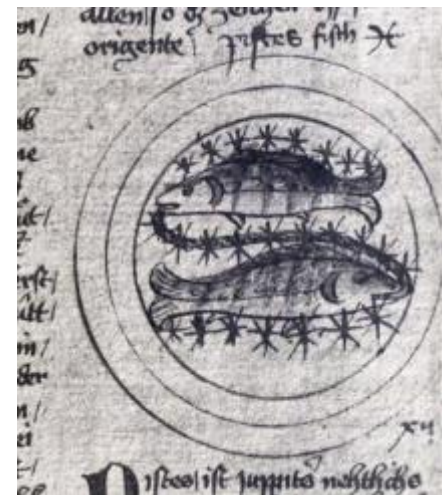


calendar



Berlin, Staatsbibl

Ms germ fol 244



Vatican, BAV

Pal lat 1370

same

German mss – IVa.



Paris, BN
Allem 106
from calendar

prosopa

tables

houses

German mss – IVb.



Tubingen Univ-bibl.
Ms d 2
main image - Pisces

Pisces as Saturn house

prosopa



calendar pages

zodiac rota

paranatellonta rota, northern and southern hemispheres

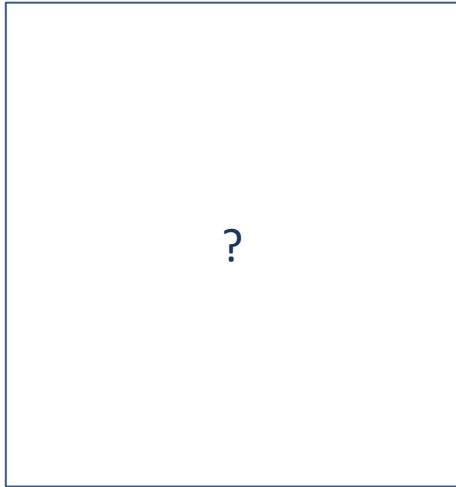
German mss – IVb.



Wolfenbüttel, Herz Aug Bibl

Ms Guelph 29 14 Aug 4°

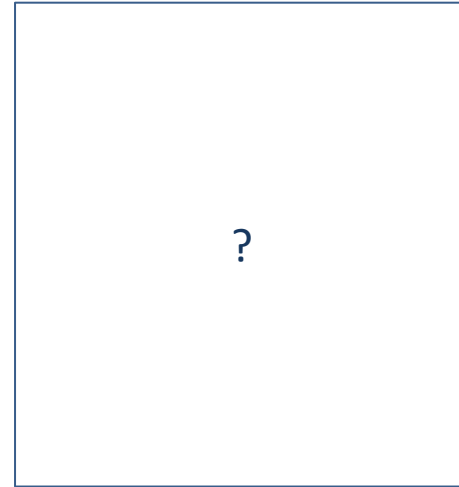
Pisces with prosopa



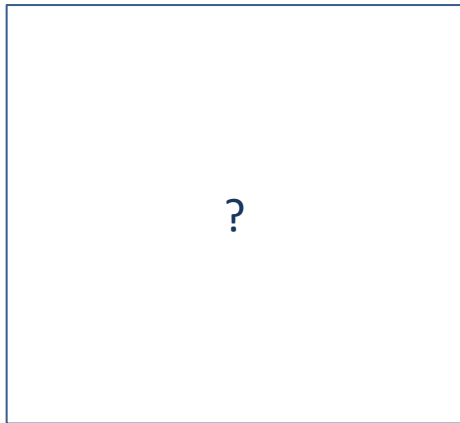
Coburg, Bayerisches Landesbibl.
Ms 5



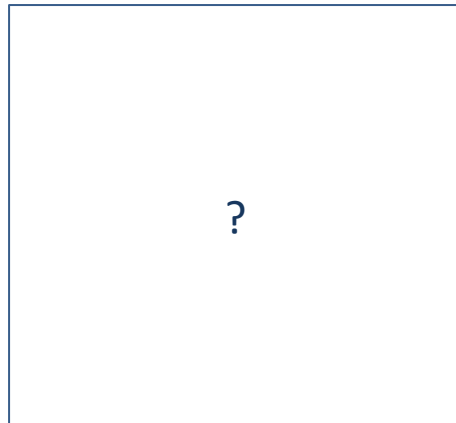
Edinburgh, Royal Observatory Libr.
Ms Cr 4 6



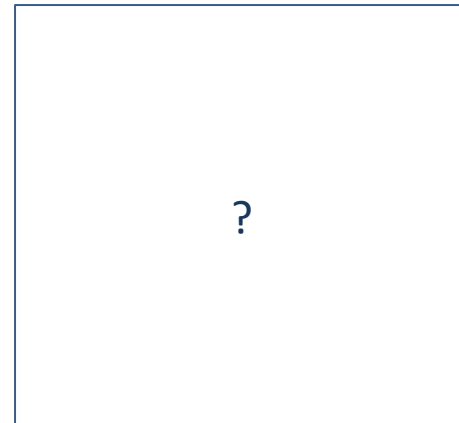
Freiburg, Univ-bibl.
Ms 458



Heidelberg Univ-bibl.
Pal germ 832



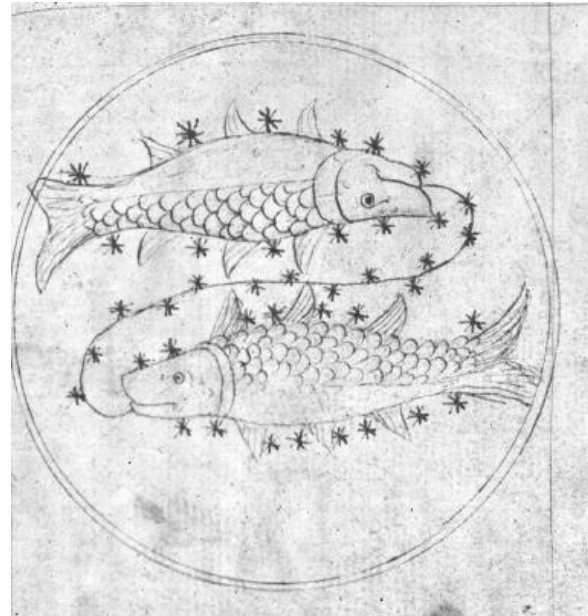
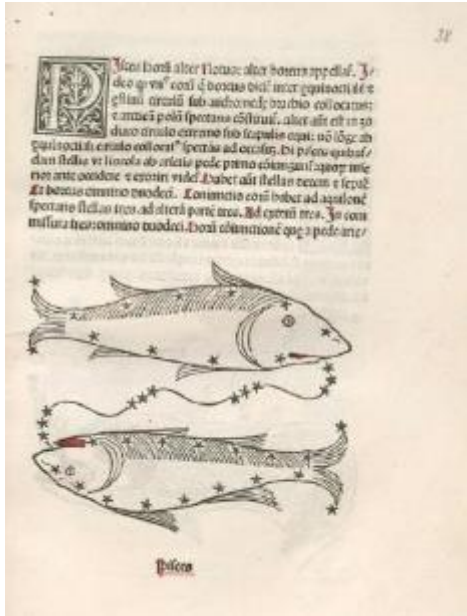
Karlsruhe, Badische Landesbibl.
Ms K 2790



Nürnberg, Germanisches Nationalmus.
Ms 7082

Venice: Ratdolt, 1482

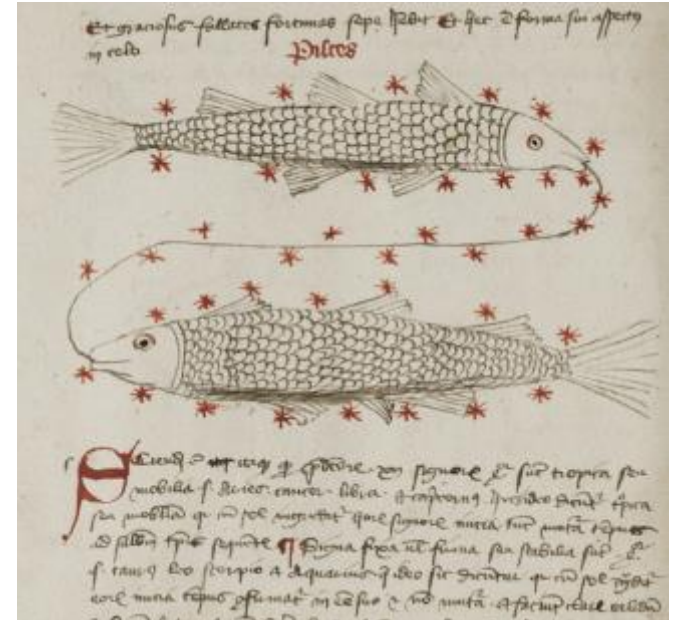
Bartolommeo da Parma



Cambridge, Emmanuel College

Ms 70

n.b. – back-to-back, opposite directions, tied at mouths



Metz, Bibl mun

Ms 287

n.b. – both backs up

Fazio degli Uberti

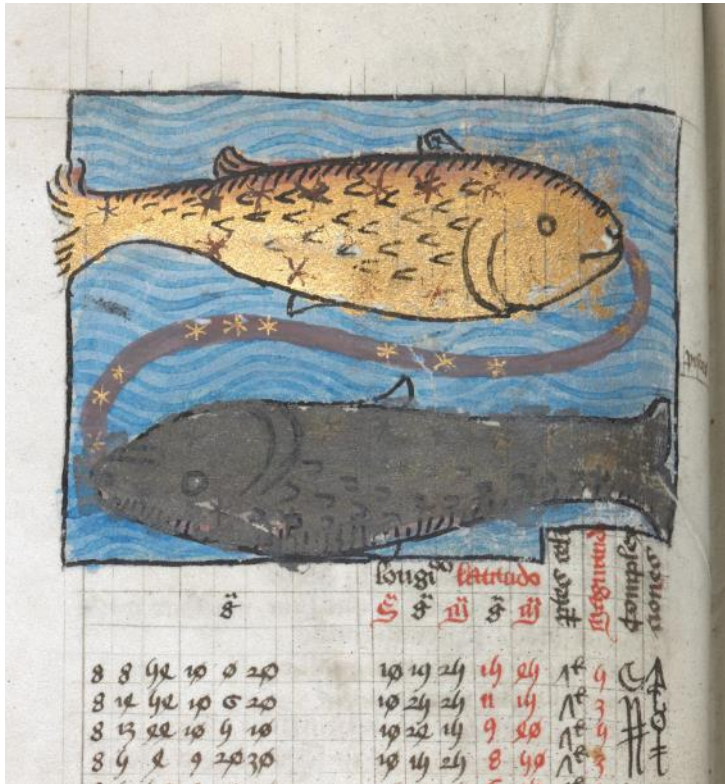


Paris, BN,
Ital 81
n.b. – bellies together, opposite directions, tied at mouths



Modena, Bibl Estense
Ital 483 (α. P. 47)
n.b. – similar

Alfonsine Tables (John Killingworth update)

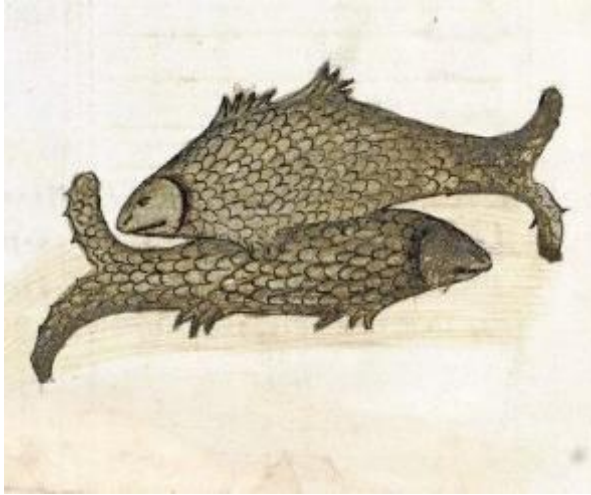


London, BL
Arundel Ms 66

n.b. — bellies together, opposite directions, stream at mouths
image from 1482 Hyginus = Michael Scot

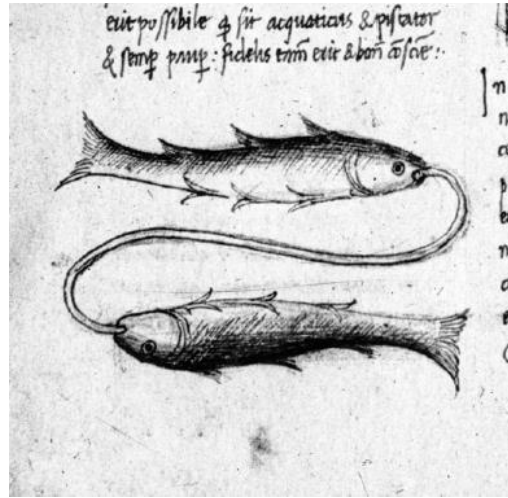
Stellacio Ethigueni et eius exposition est duo pisces et est signum piscis

Ludovicus de Angulo



St Gallen, Vadianische Libr
Ms 427

n.b. — back upwards, opposite directions , not tied



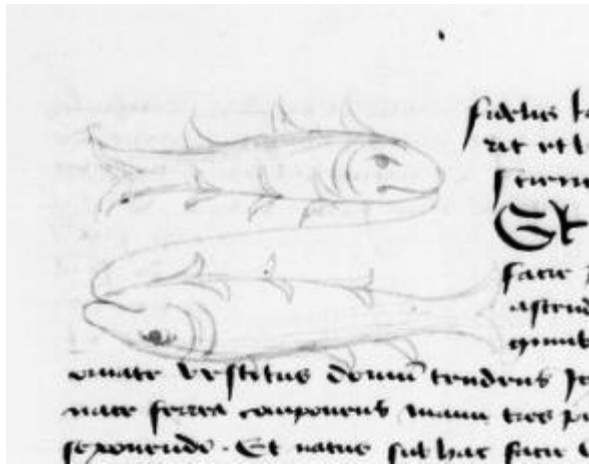
Florence, Bibl. Riccardiana
Ms 3011

n.b. — bellies together, opposite directions, stream at mouths



Madrid, BN
Ms 9267

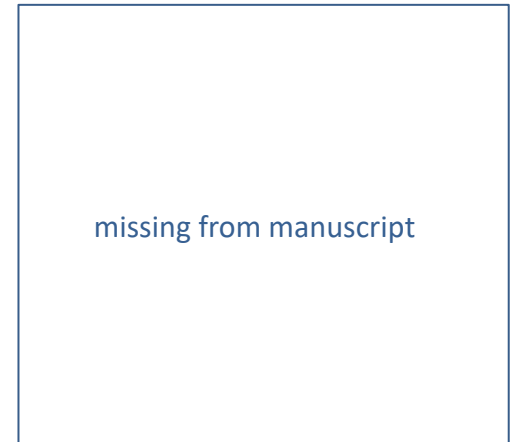
n.b. — similar



Paris BN
 Lat 6561
 n.b. – similar, tied at mouths



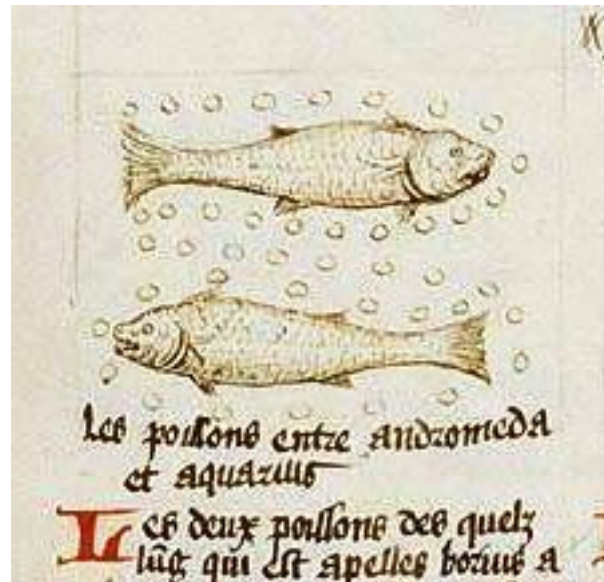
Paris BN
 Fr 612
 similar, closer to St Gallen



Paris BN
 Lat 7344



Hague
Ms 72.A.83
n.b. – backs upwards, opposite directions, dots between mouths



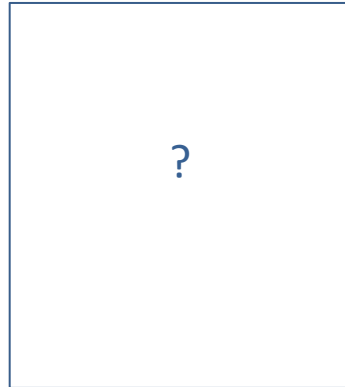
Hague
Ms 128 C
same



Paris, BN
Lat 8865
similar, tied at mouths



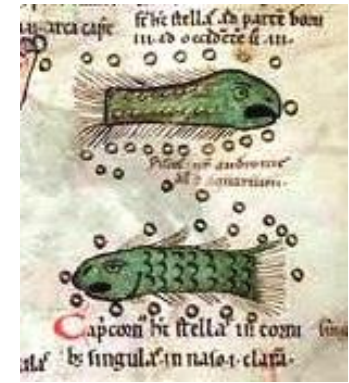
Chantilly, Petit Château
Ms 724 (1596)
n.b. – backs upwards,
opposite directions, mouth
tied with dots alongside



Leiden, Univ-bibl
Ms 1° 31



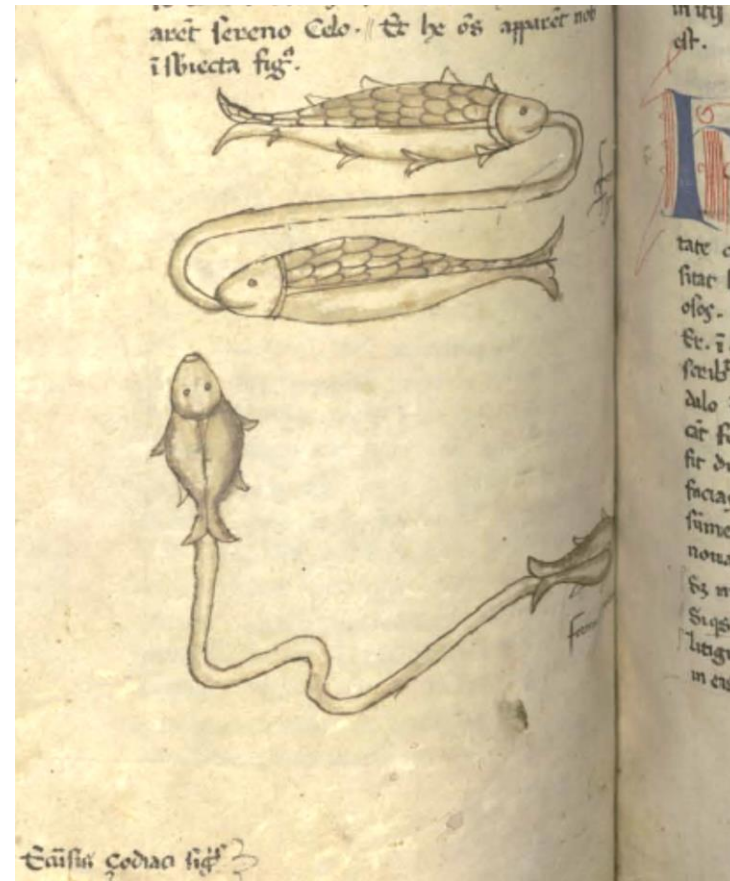
Ghent
Ms 92
similar



Wolfenbüttel, WDB,
Ms Gud lat 1
similar, no line



Vatican BAV
Val Lat 3121
n.b. – two versions (Hyginus and Ptolemy)



Madrid, BN
Ms 1983
same



Fermo, Bibl. Com.
Ms 4

n.b. – both backs upwards, opposite directions, stream connects mouths



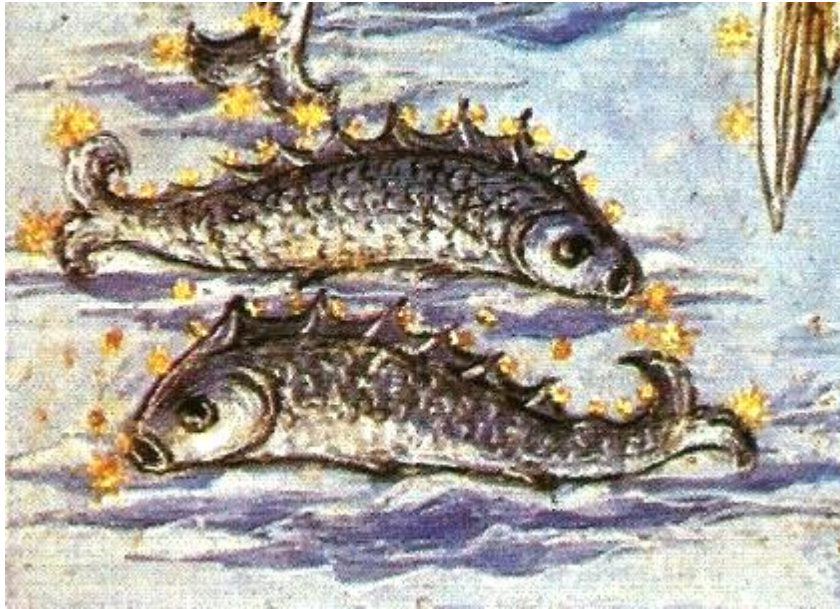
Florence, Bibl. Laurenziana
Aedil 170

two versions (Hyginus and Ptolemy)



London, Lambeth Palace
Ms 35

n.b. – monster fish, backs upwards, opposite directions, snake in-between



Florence, Bibl Laurenziana

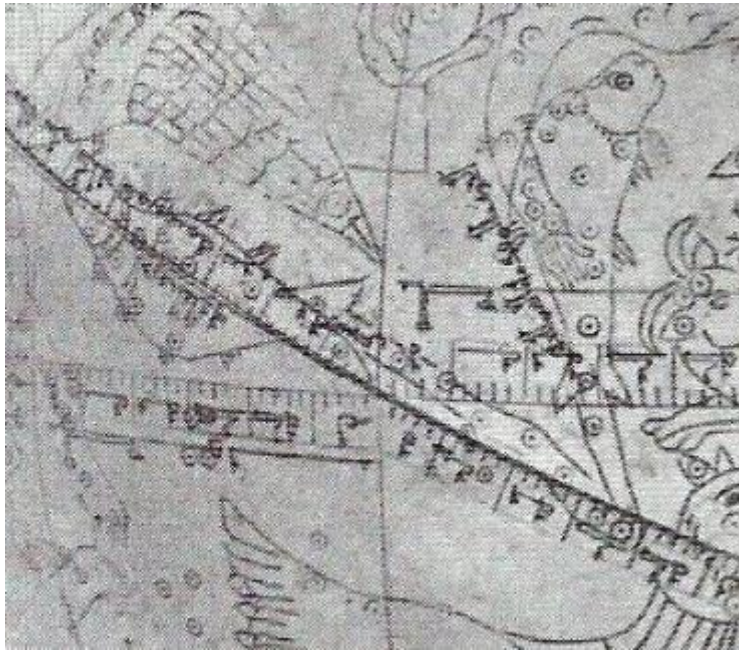
Plut 40 53

n.b. – backs upwards, opposite directions

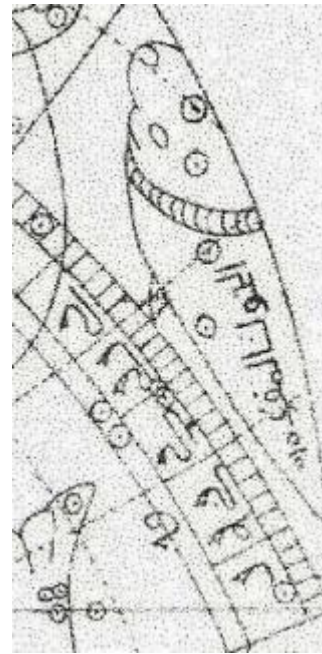


detail from planisphere

backs up, opposite directions



Florence, Mus delle Scienze, no. 2712
dated 1025 AD
n.b. – connected at tails by V-shaped stream



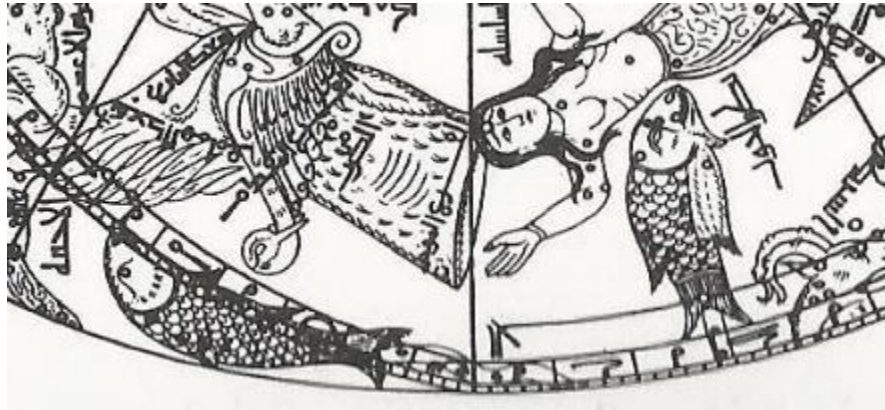
Paris globe GA 325
n.b. – same





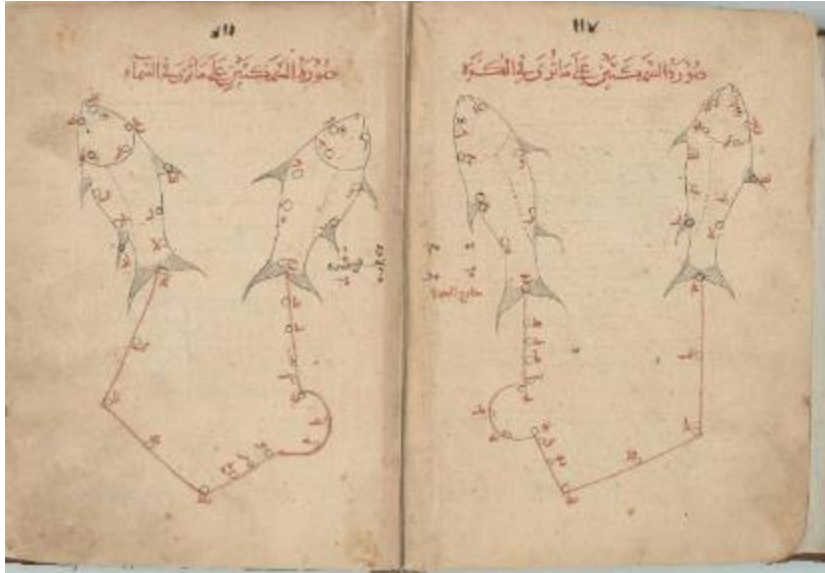
Smithsonian Mus, no 72-3085
cf: Savage-Smith 1985

n.b. – long wavy stream between tails

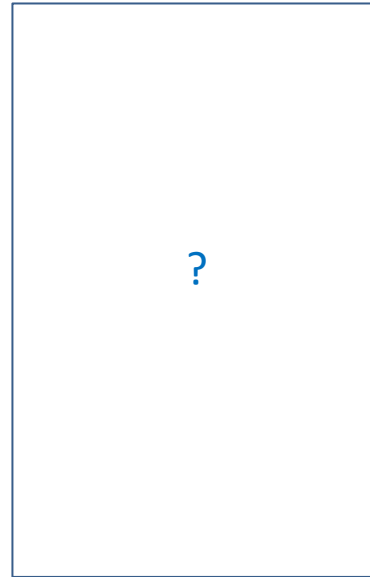


BM – Malcolm globe

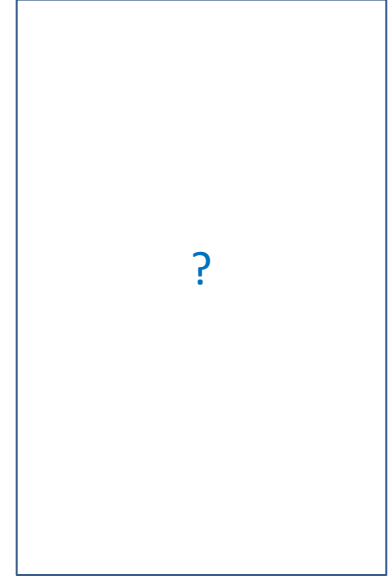
n.b. – tails connected by V-shaped
stream

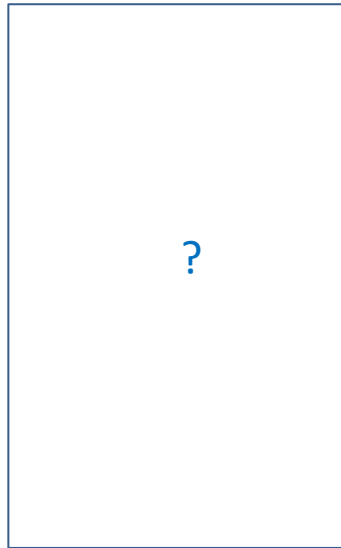


Doha, Mus of Islamic Art
Ms 2. 1998. SO (= Sotheby's 1998, lot 34)
Dated April 1125 AD; Baghdād
n.b. – tails connected, V-shape stream with kink in it



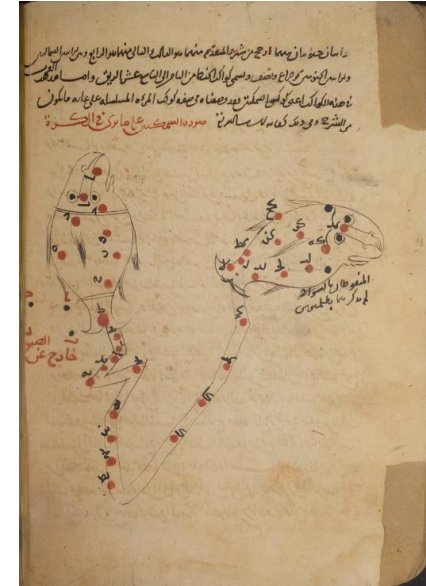
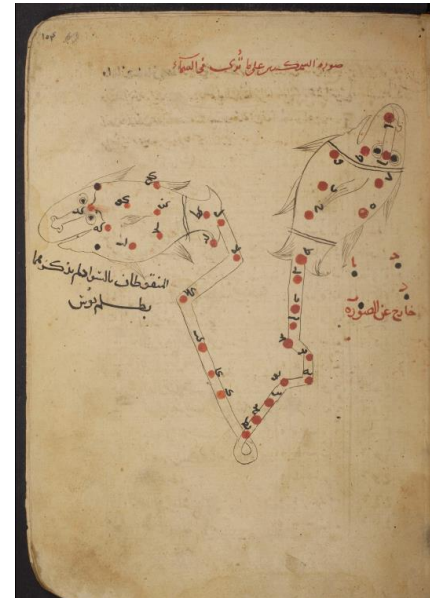
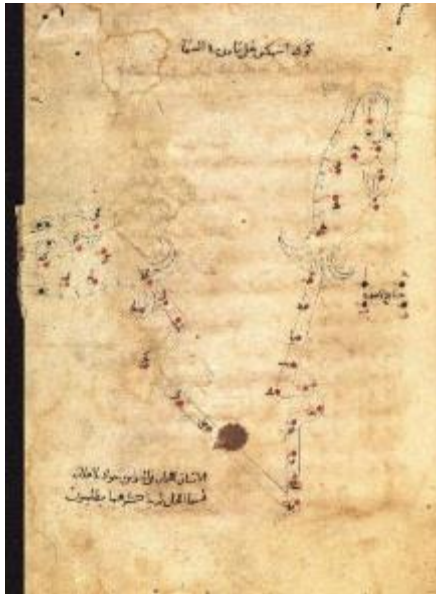
Istanbul, Süleymaniye Libr
Ms Fatih Kütüphanesi 3422
1125/26 AD; Mārdin





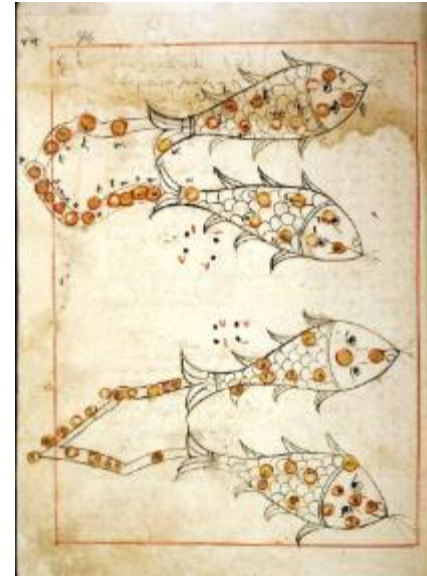
Istanbul, Topkapı Sarayı
Ahmet II 3493
1130-31 AD, Mayyafariqin, SE Turkey
n.b. – tails tied with W in stream

Oxford, Bodleian Library
Huntington Ms 212
1170/71 AD; Mosul
n.b. – V-shaped stream with kink



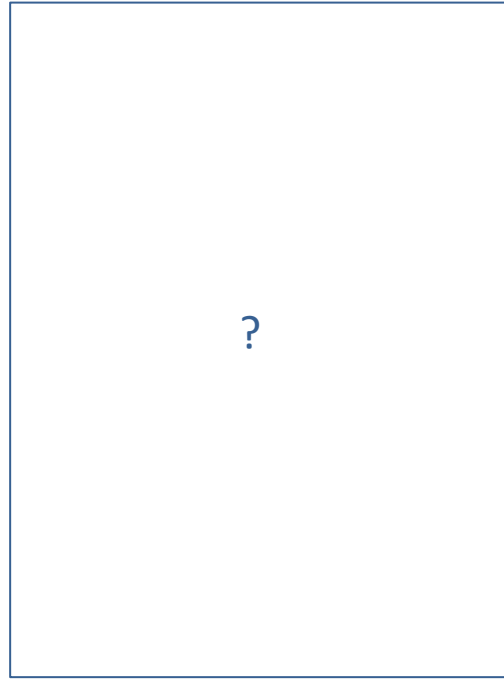
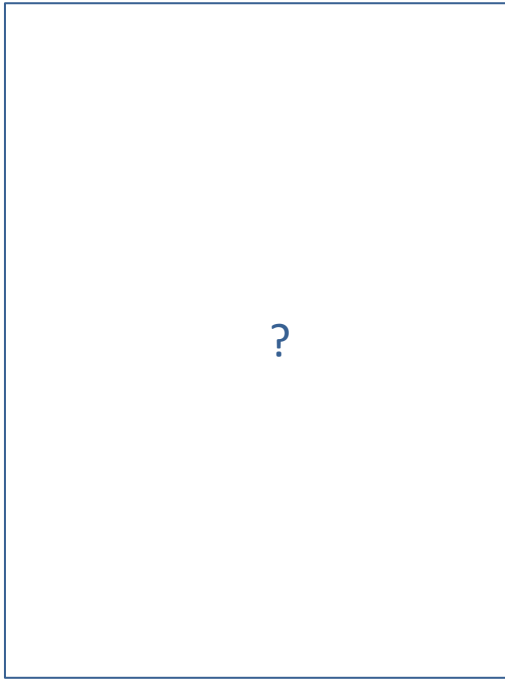
Oxford, Bodleian Libr
 Ms Marsh 144
 Dated 1009-1010 AD / probl. late 12th C AD; Shiraz (?), Iran
 n.b. – V-shaped stream with kink

Berlin, Staatsbibl.
 Ms qu or 704
 c. 1203
 n.b. – one with kink, one with loop



Vatican, BAV
 Ross 1033
 1224 AD, Ceuta (?) N Africa
 n.b. – tails not conncted, 'U' in stream

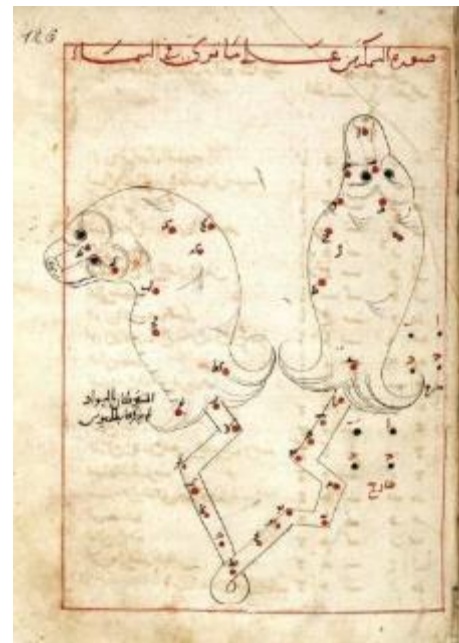
Berlin, Staatsbibl.
 Landberg 71
 Aug/Sept 1233; Mosul
 n.b. – one with knot, one as 'V'



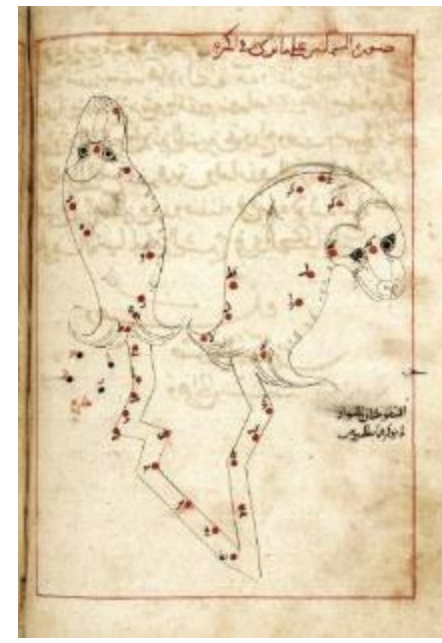
Istanbul, Suleymanie Libr
Ayasofia 2595
1249-50 AD; Alamut (?) Iran

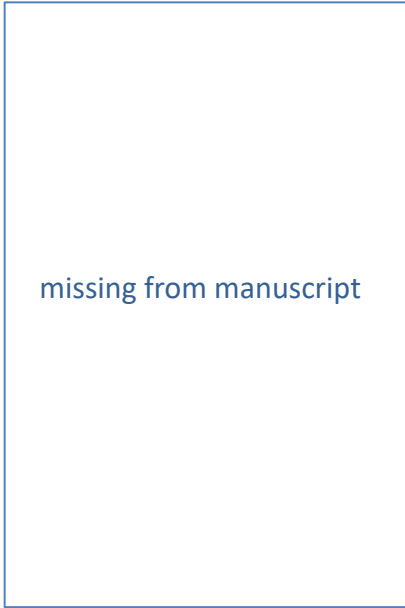


Paris BN
Arabe 2488
mid-13th C, Ceuta (?) N Africa
n.b. – V-shaped stream with kink

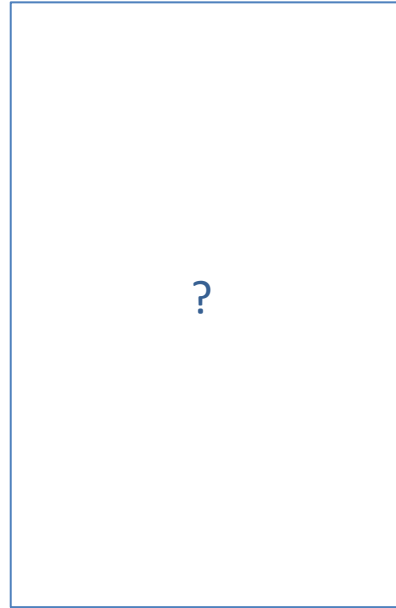


Paris BN
Arabe 2489
1266-67 AD; Syria?
n.b. – same, animal faces

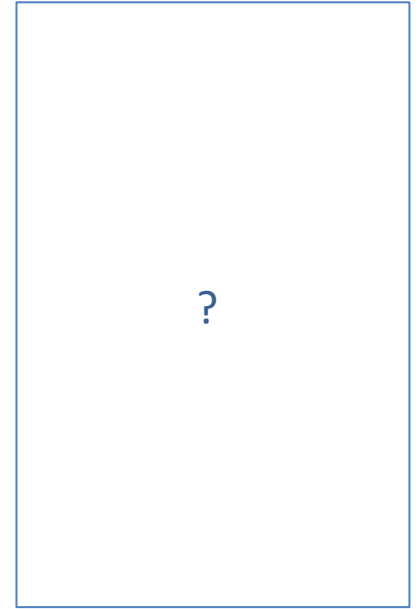




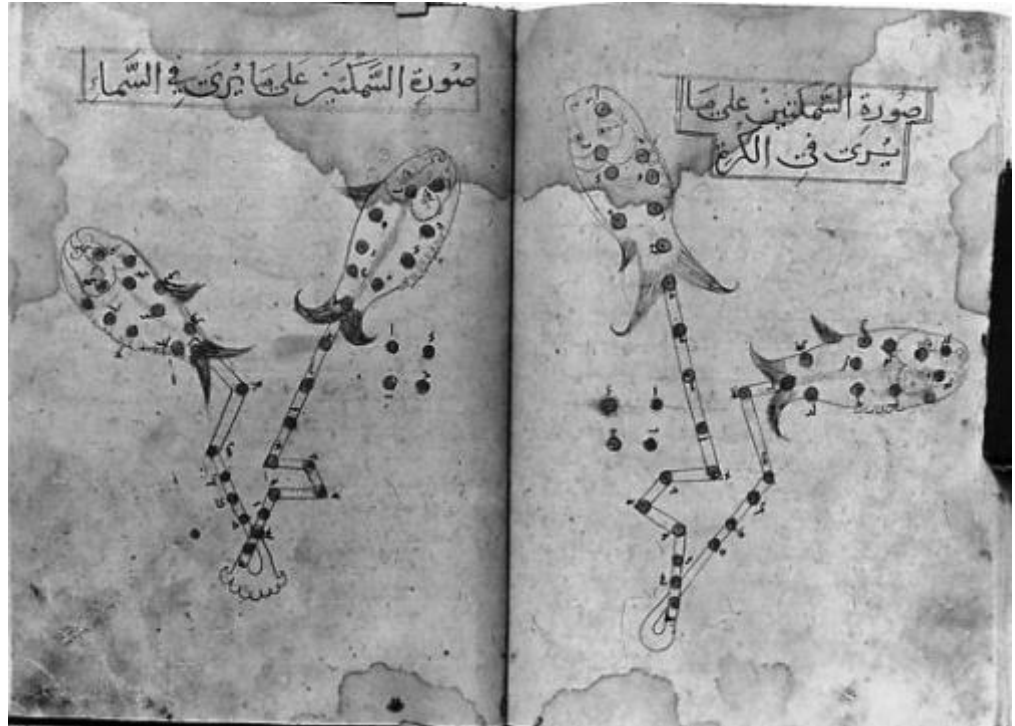
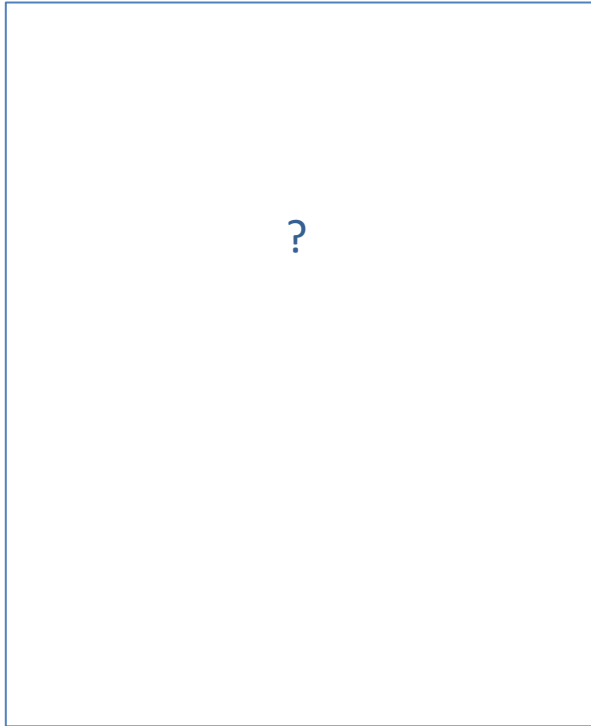
London BL
Or 5323
1260-80; Maragha (?), NW Iran



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

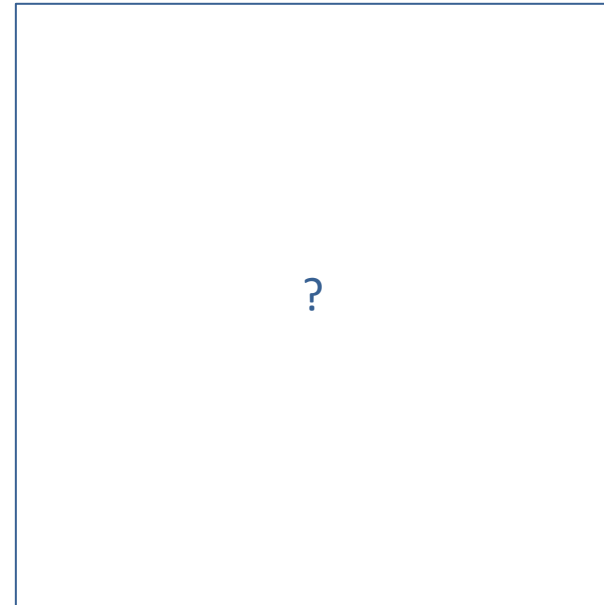


Oxford, Bodleian Libr
Pococke 257
1303/04; Aleppo



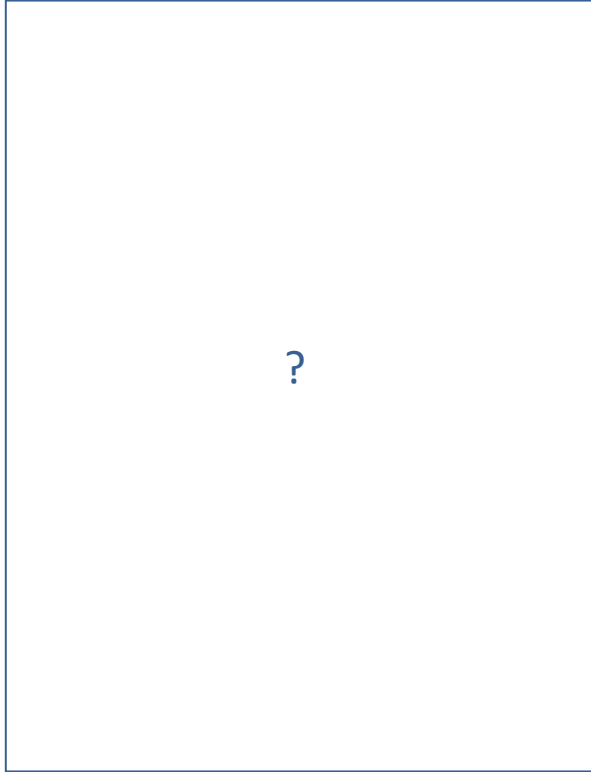
Escorial
Ms 915
20 March 1364 AD

NY, Metropolitan Mus
Ms 13.160-10 (Rogers Fund 1913)
c. 1400, Samarkand
n.b. – V-shaped with knot and kink

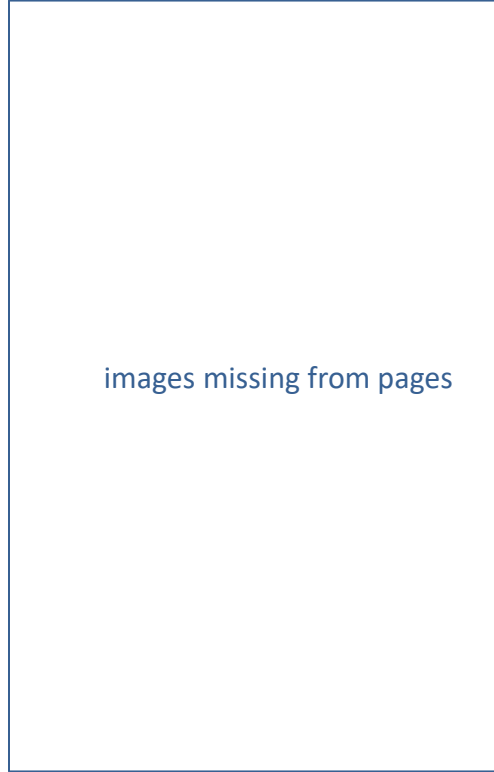


Paris BN
 Ms arabe 5036
 c. 1430-40, Samarkand
 n.b. – W-shaped stream

Bologna, Bibl. Univ
 Ms 2953
 8 Oct 1500 AD

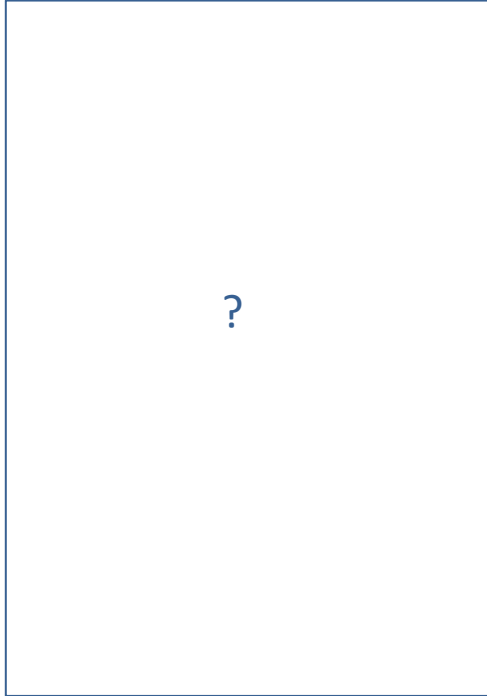


Dublin, Chester Beatty Libr
Ms Ar 4119
1504/05 AD

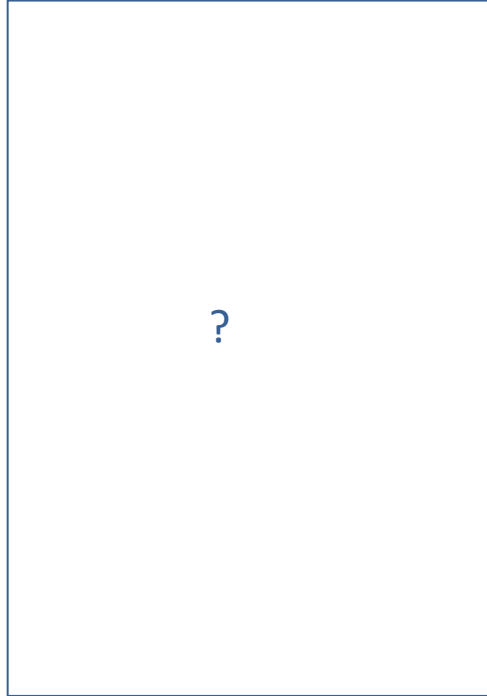


Paris BN
Arabe 2490
1516/17 AD

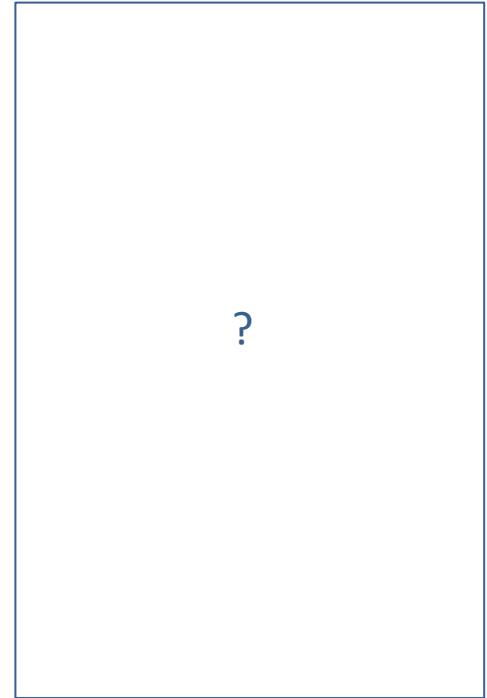




Dublin, Chester Beatty Libr
Ms Ar 4222
16th C; Iran



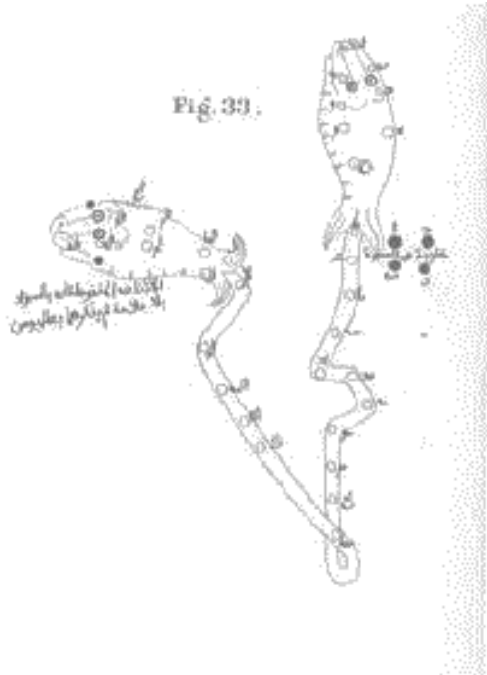
London BL
Add ms 7488
16th C



Istanbul, Perter Pasa Libr
Ms 375
16th C



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. – simple U-shaped stream



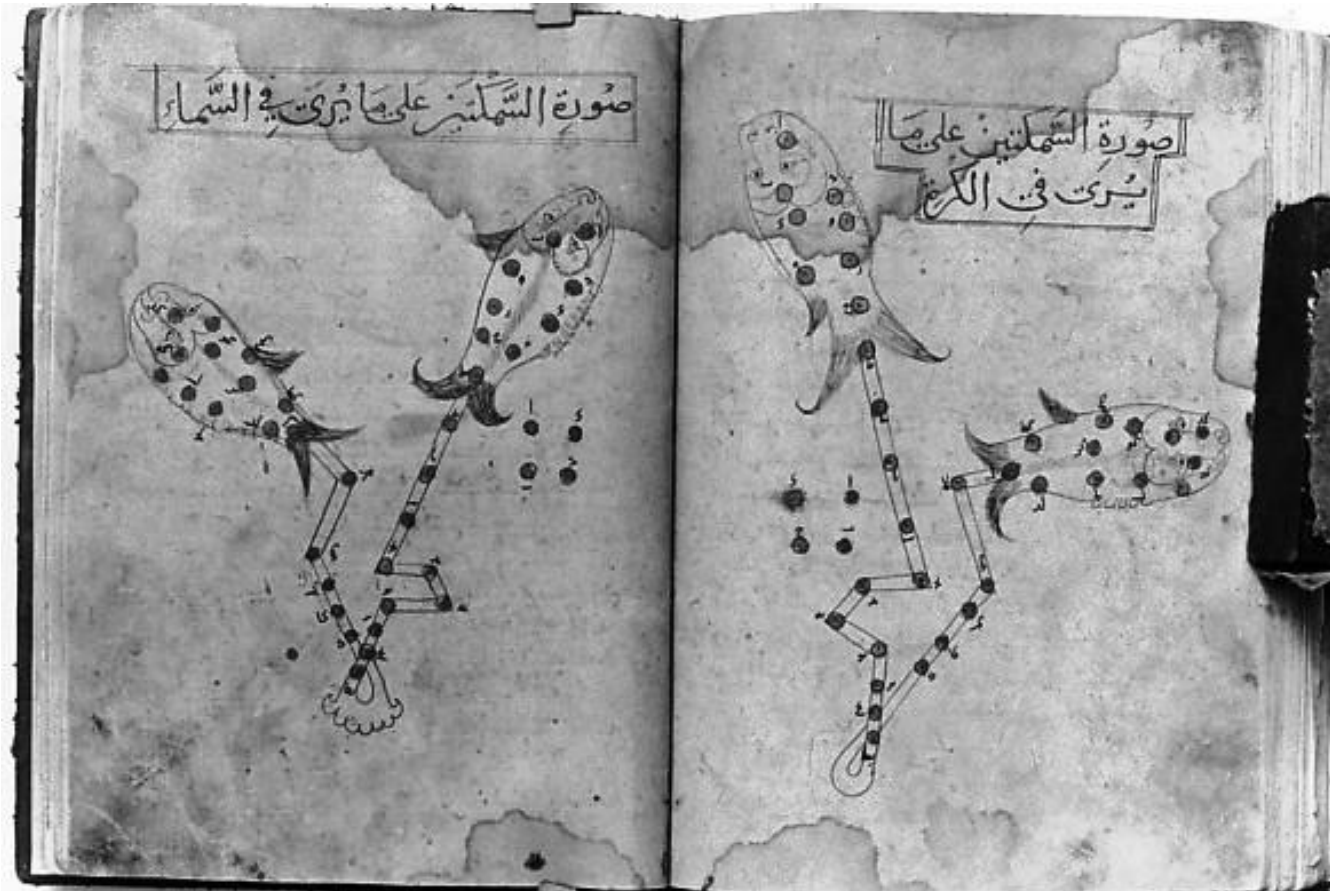
St Petersburg, Inst Or Studs
 Ms n.s. 191
 16th C; Istanbul ?
 n.b. – knot and kink in stream



Princeton, Univ Libr
 Ms Garrett 2259 Yehuda
 al-Sufi, dated 3 Jan 1607
 n.b. – knot in stream



Paris BN
Arabe 6528
India, 1643-44
n.b. – W-shaped stream



New York, Met Museum of Art
Ms 1975.192.2
attr. Iran (?), 18th C
n.b. – knot and kink in stream

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

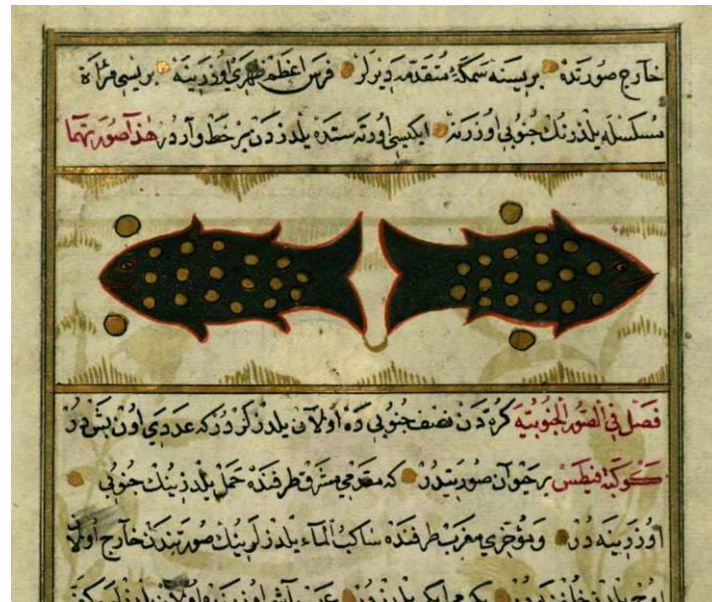
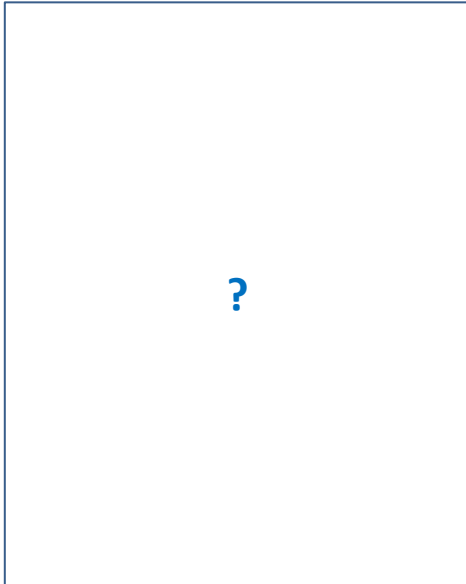
Pisces



al-Sufi, at-Tusi transl???



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



St Petersburg, Ms E (?)
Qazwini

Baltimore, Walters Art Gall
Ms W 359
Qazwini –
n.b. – tail-to-tail

Paris BN
Arabe 2178
1762-63 AD –
n.b. – similar

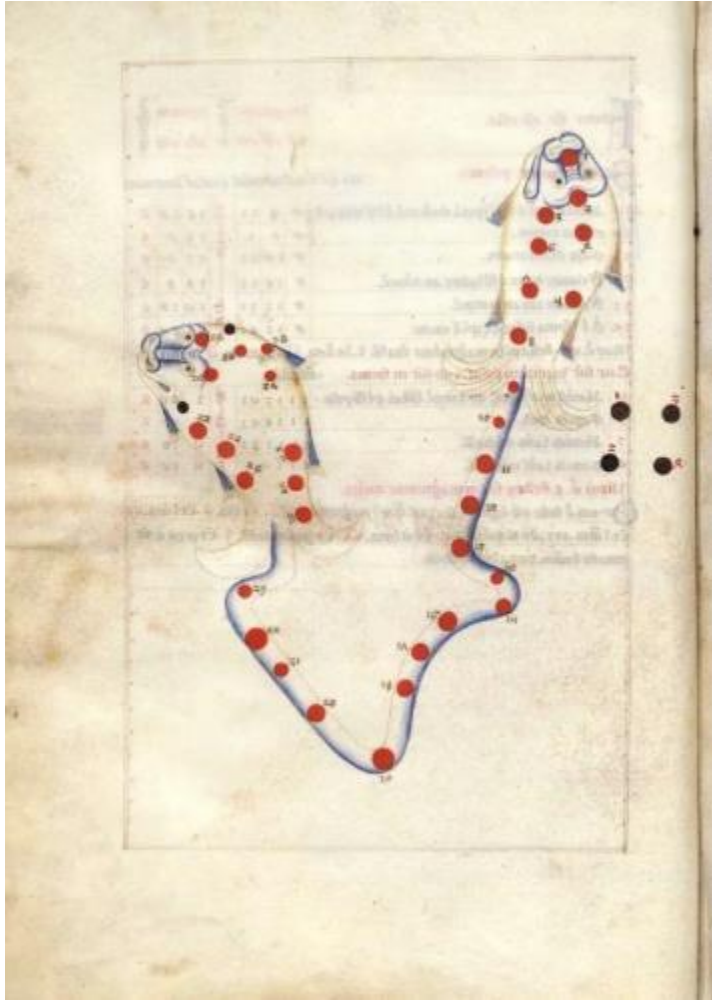


Washington DC, Freer
 Ms 1954 -52 (ex-Sarre)
 Qazwini
 n.b. – U-shaped stream

Sufi latinus – I

Stellatio echiguen et eius expositio est duo pisces et est Pisces

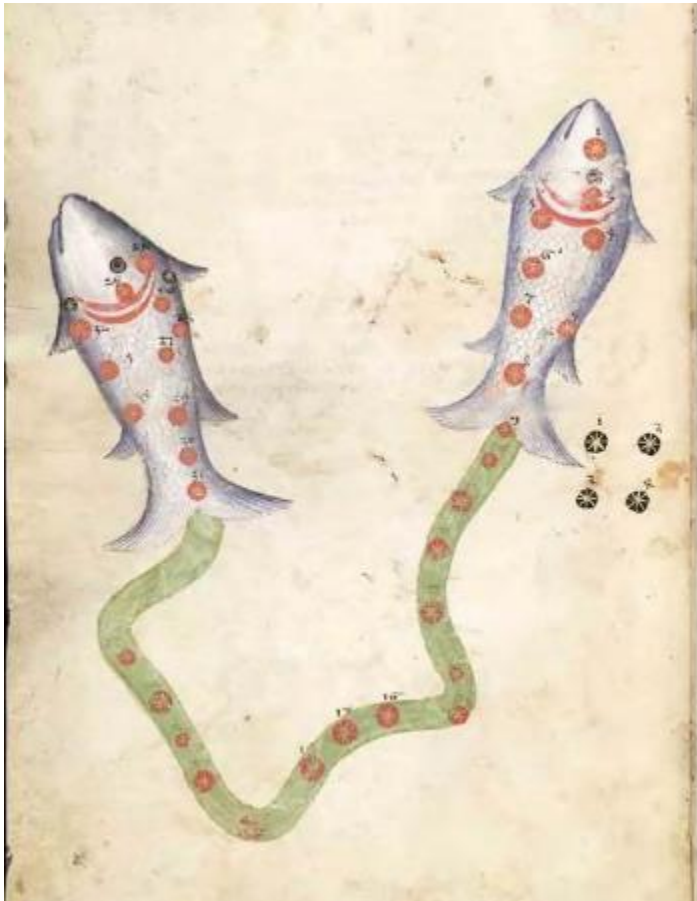
Pisces



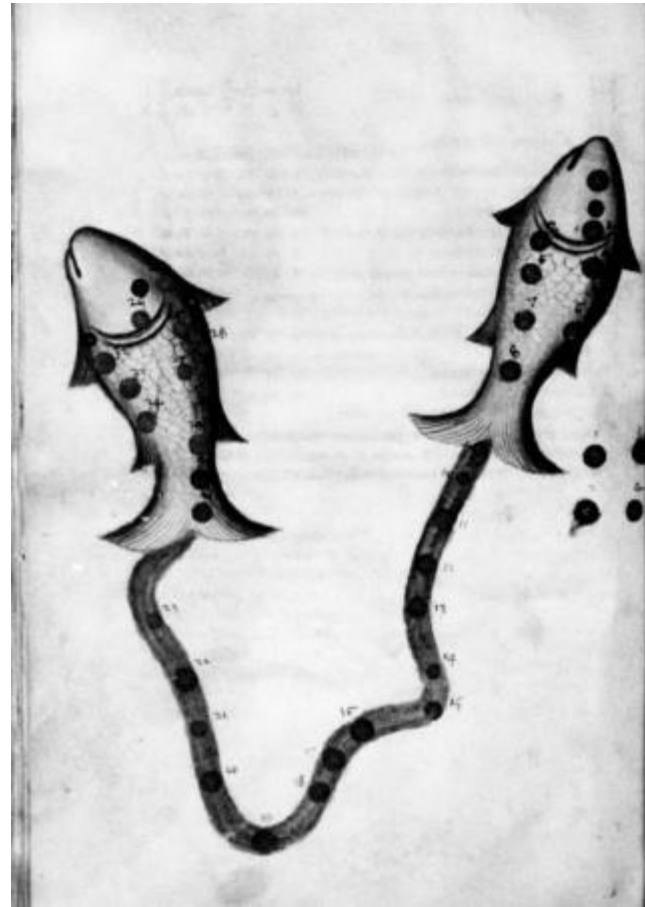
Paris, Bibl Arsenal

Ms 1036

n.b. – animal faces; V-shaped stream with 2 kinks



Prague, Strahov
DA. II. 33
n.b. – fish faces



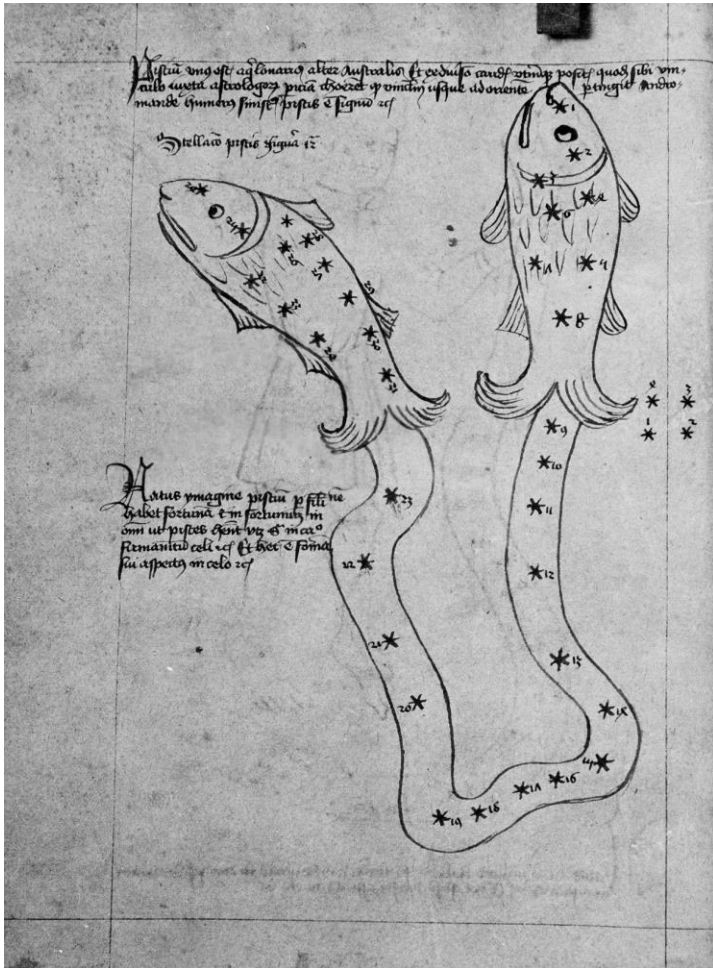
Berlin, Staatsbibl, KK
Ms 78 D 12
same

missing from manuscript

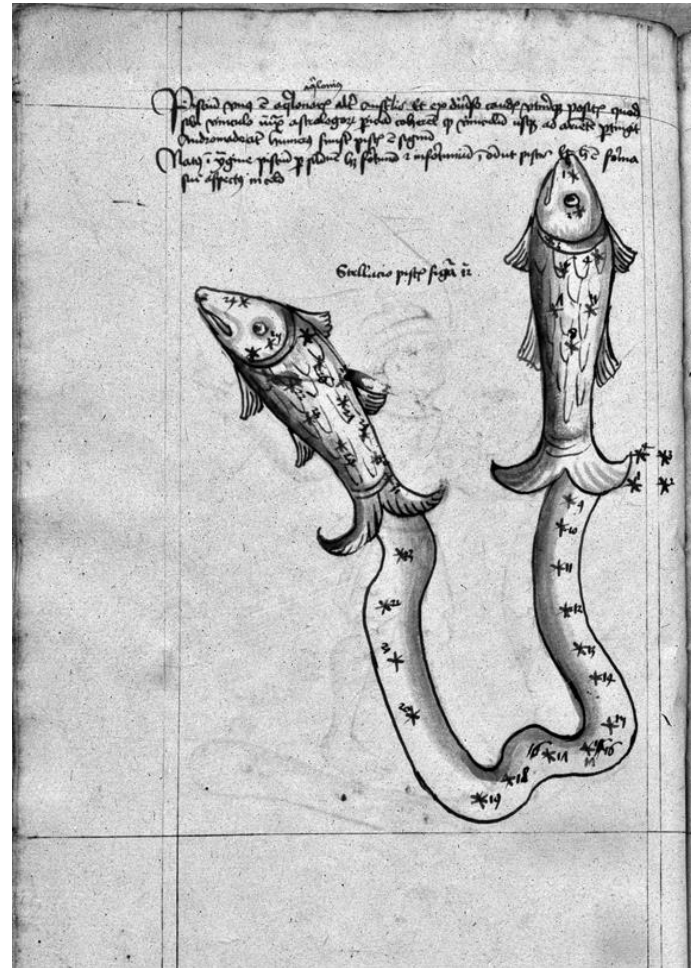


Munich, Staatsbibl
CIm 826

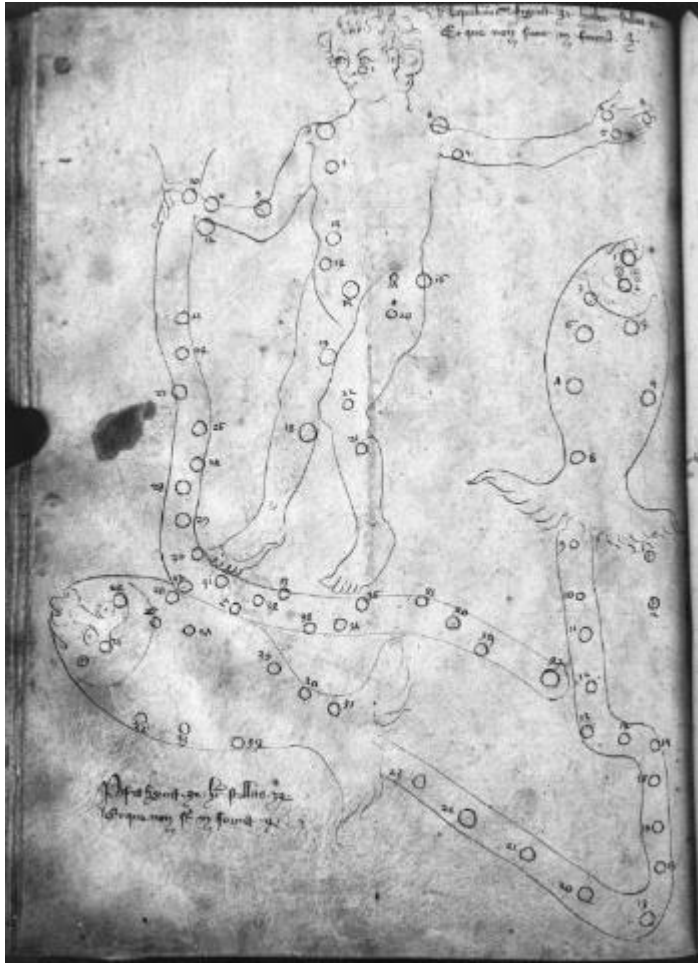
Gotha, Forshungsbibl
Membr II 141
same



Catania, Bibl Univ
Ms Univ Ar, 387
n.b. – w-shaped stream



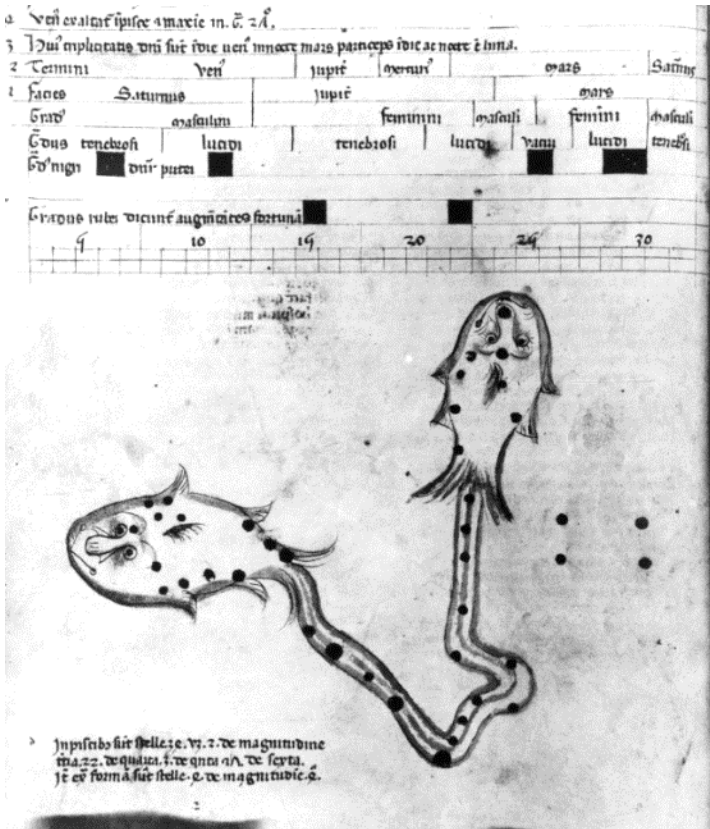
Vienna, ONB
Cod 5318
same



Bernkastel-Kues, Nicolaus hosp.

Ms 207

n.b. – V-shaped with kink, animal faces



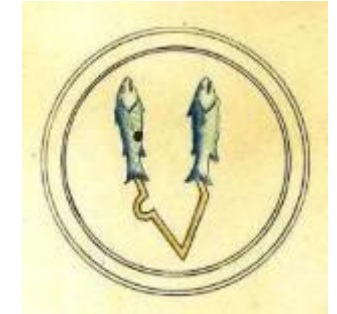
London, British Library
 Add MS 23770

n.b. – two fish at 45 degrees, facing away, tied at tails with kink in stream, humanoid faces



Paris, BN
 lat 7272

n.b. – fish swim in opposite directions, dolphin-like pointed snouts, tied at mouths by string, both backs upwards



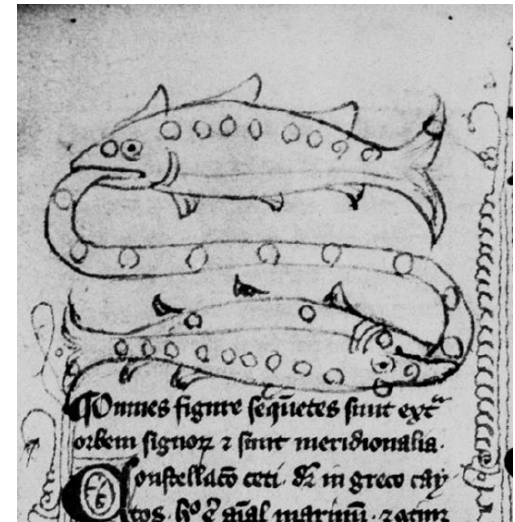
El Escorial
Ms h 115
n.b. – V-shaped with kink



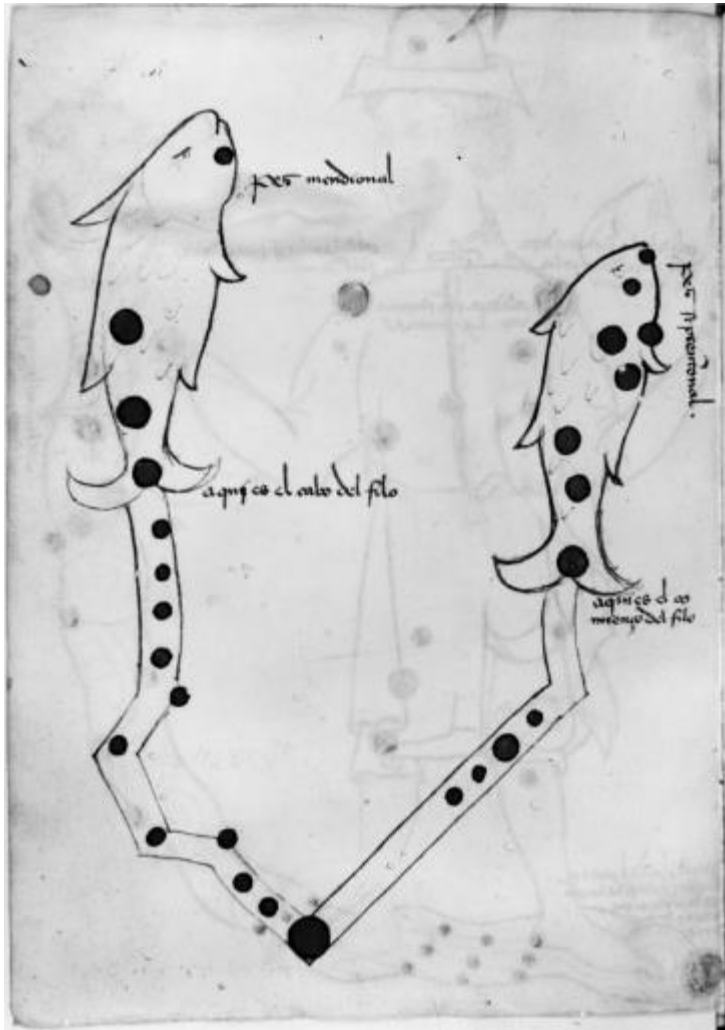
Vatican BAV
Reg lat 1283a



Vatican BAV
Vat lat 8174 same
Pescies ... e chiamasi in latino pisces
e in arabico alzain acatayn alor

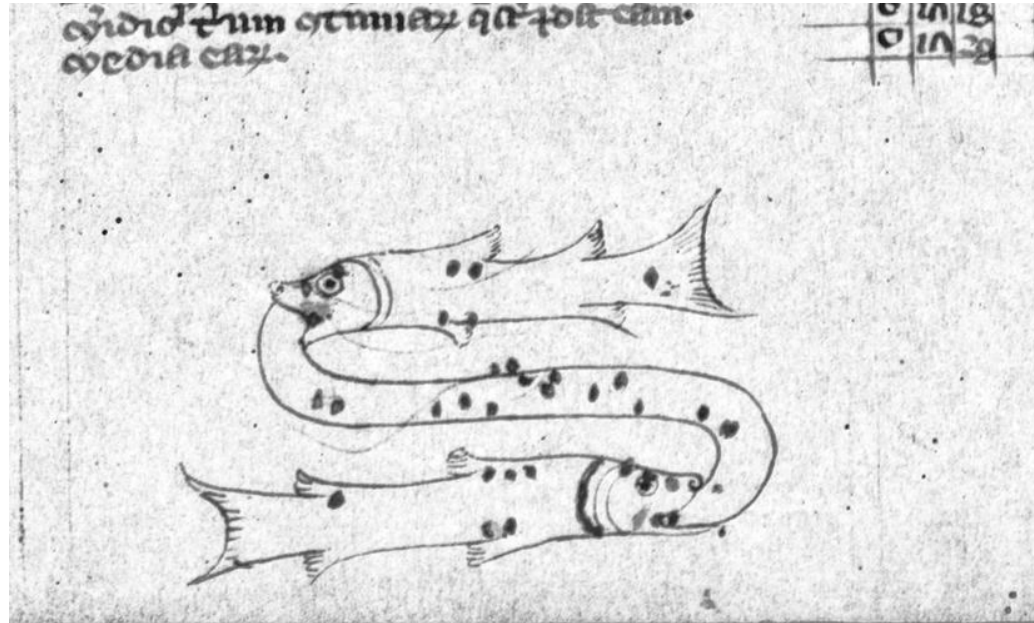
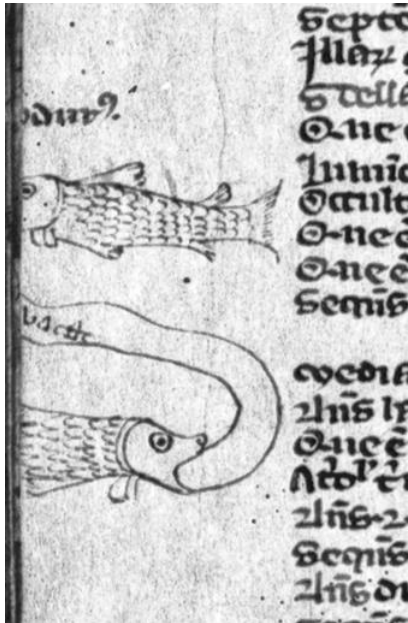


Los Angeles, Getty Mus
Ms Ludwig XII, 7
Figura ... Pisces ... et in arabico vocatur alhot



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

n.b. – V-shaped stream with kink



Oxford, Bodleian Libr

Rawl C 117

n.b. – backs upwards, stream connects mouths

Stellacio eceigueni et eius expositio duo pisces et est pisces



Vatican, BAV
Urb lat 1399
n.b – backs upwards, stream connects mouths



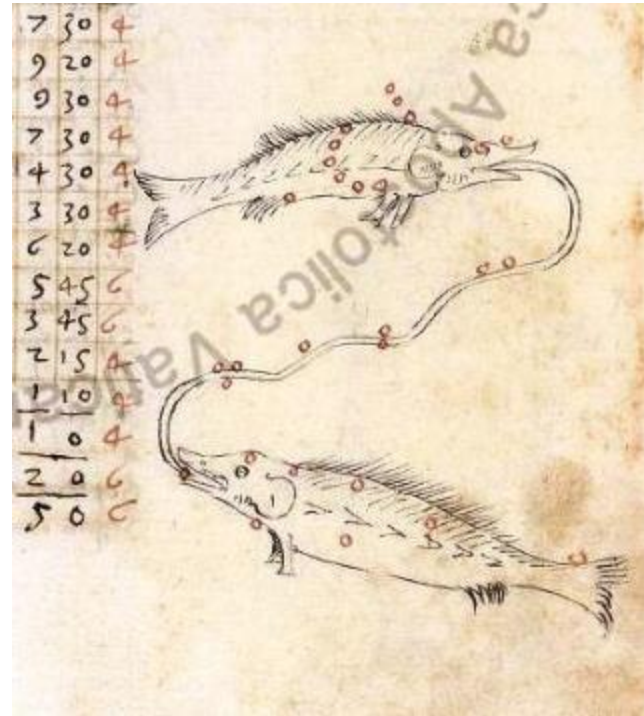
Oxford, Bodleian Library
Can misc 554
n.b. – similar



Bergamo, Bibl A Mai
Ms Σ II 2

n.b. – backs upwards, opposite directions, stream connects mouths

Stellatio echigen et eius exposition duo pisces et est pisces

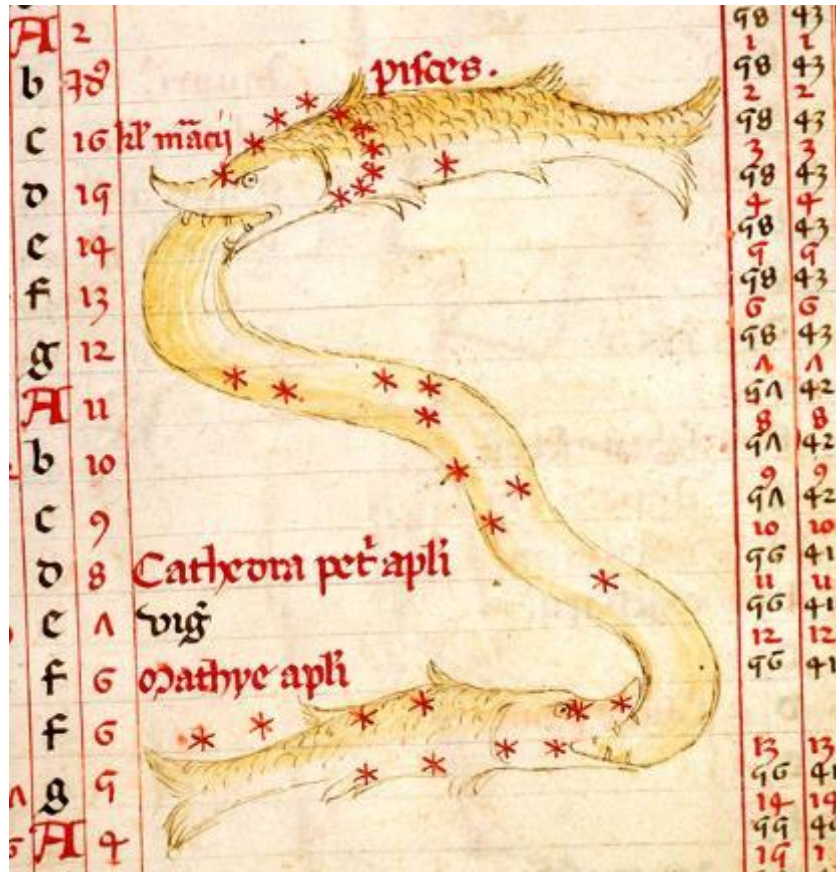


Vatican, BAV

Vat lat 3099

same

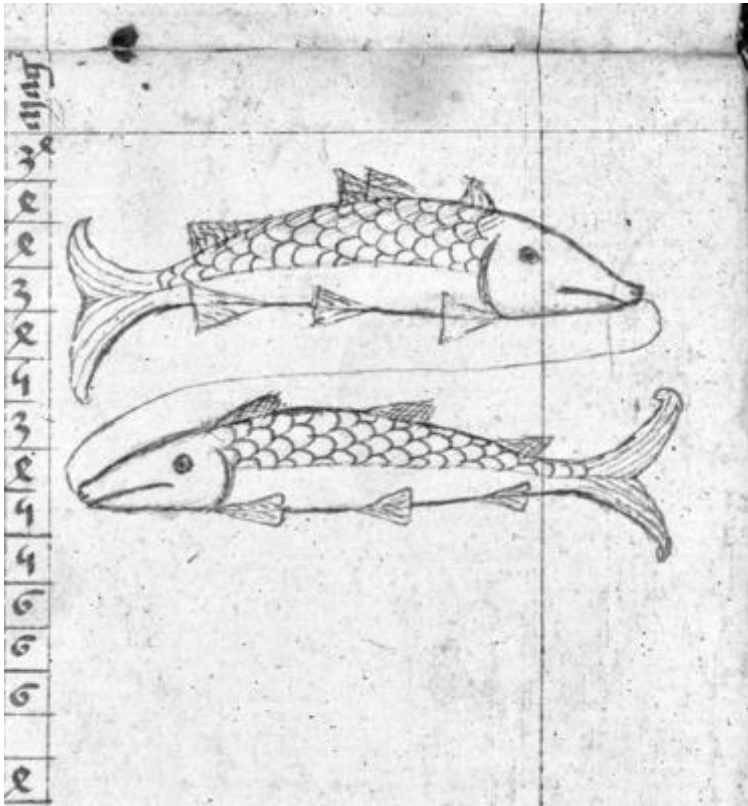
Stellatio chigen et eius exposition duo pisces et est pisces



New York, Morgan Pierpont Library

Ms 355 (zodiac only)

n.b. – backs upwards, stream connects mouths

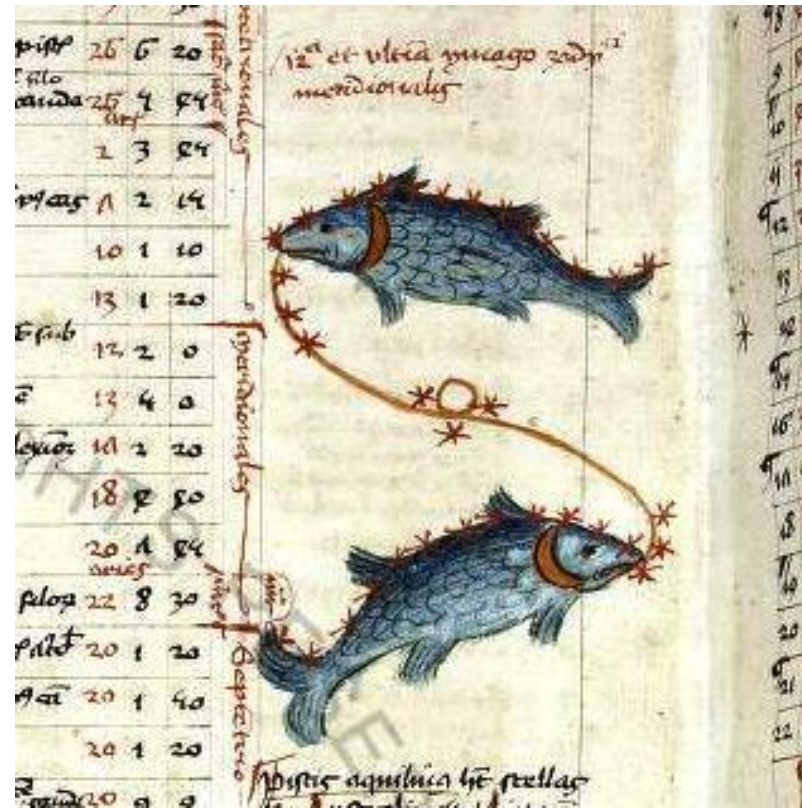


Brussels, Bib Roy

Ms 10117-26

n.b. – tied at mouth

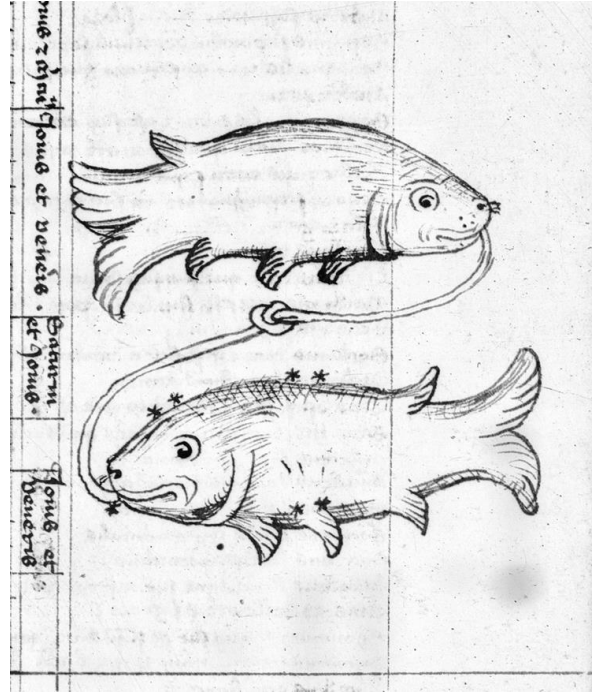
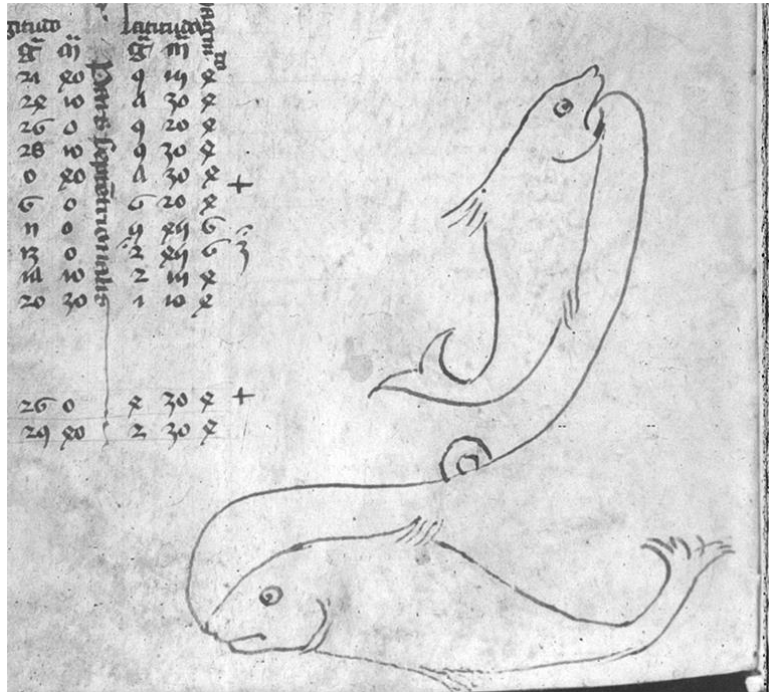
Forma et stelle achigneu et eius expositio duo pisces et est pisces



Vatican BAV

Pal lat 1368

n.b. – backs upwards, tied at mouths, knot in line



Vatican BAV
Pal lat 1377

n.b. – at right angles, tied at mouths, knot in line

Forme at stelle ethiguen et eius expositio duo pisces et est pisces

Torun
Ms 35

n.b. – backs upwards, tied at mouths, knot in line

Stellatio piscium seu ethygeun et eius ex expositio duorum piscium et est pisces



?

Augsburg, Univ-bibl.
Cod II 1.2o 110



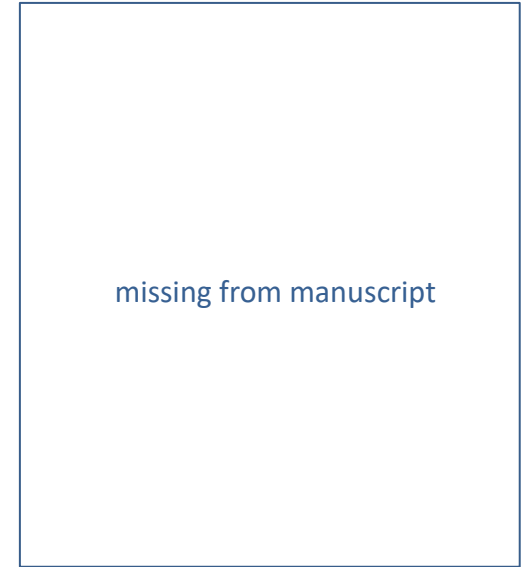
Cambridge MA
Houghton, Typ 43

n.b. – heads upwards, connected at tails, one fish receiving stream from Aquarius

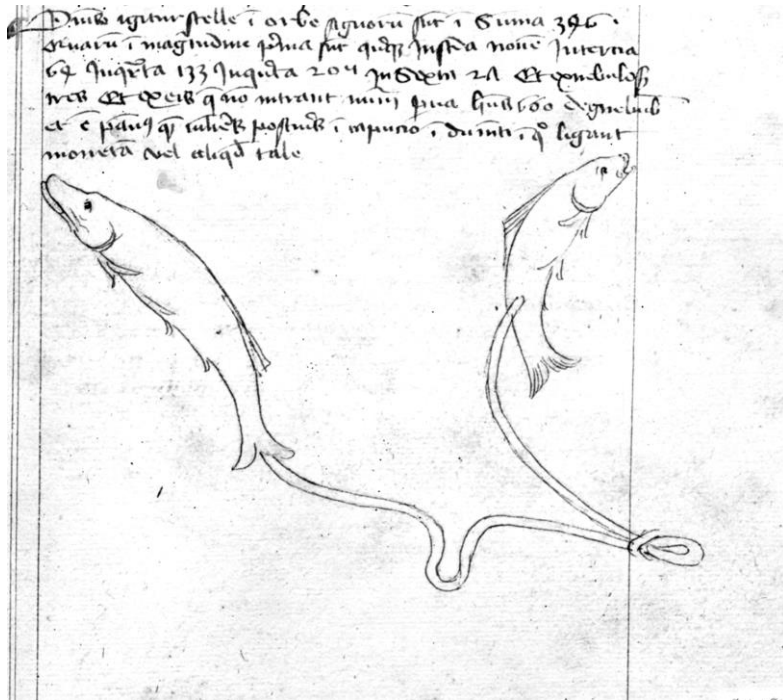


Basle, Univ-Bib
Ms F. II. 33

n.b. – same direction, tied at tails



Florence, BNC,
Ms Angeli 1147



Vienna ONB
 Vienna 5415

n.b. – tied at tails with V-shaped stream with knot and kink,
 stream comes out of body of northern Fish

Vienna ONB 5415
 northern hemisphere

same stream coming out of body in northern Fish

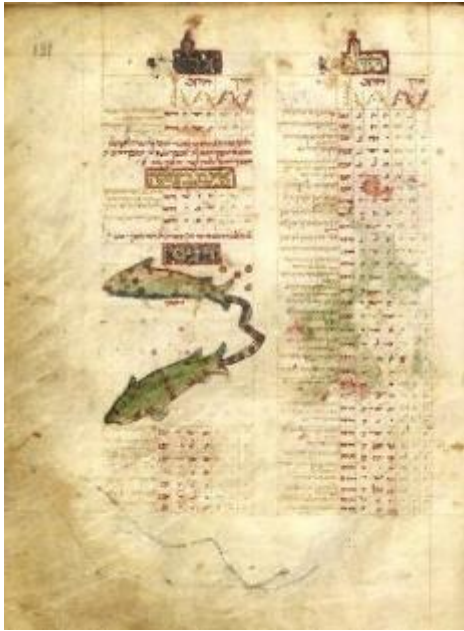


Munich, BSB

CIm 826

n.b. – fish swim in oppositedirections, belly-to-belly , no stream

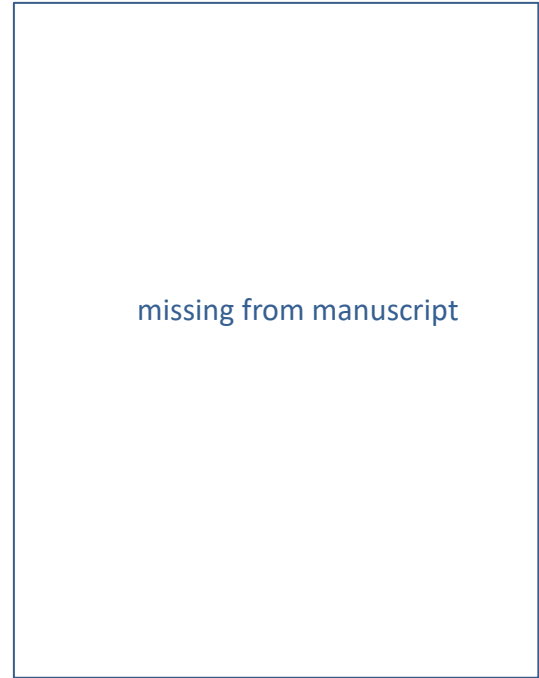
(see also Sufi latinus II for those pictures)



Philadelphia, U Penn

Ms LJS 57

n.b. – connected at tails by stream with W shape



Vienna, ONB

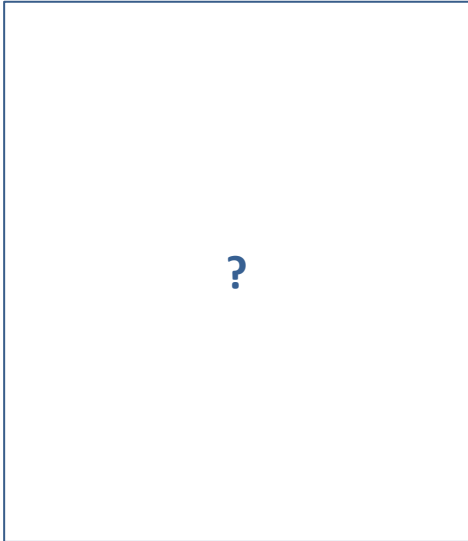
Hebrew 132



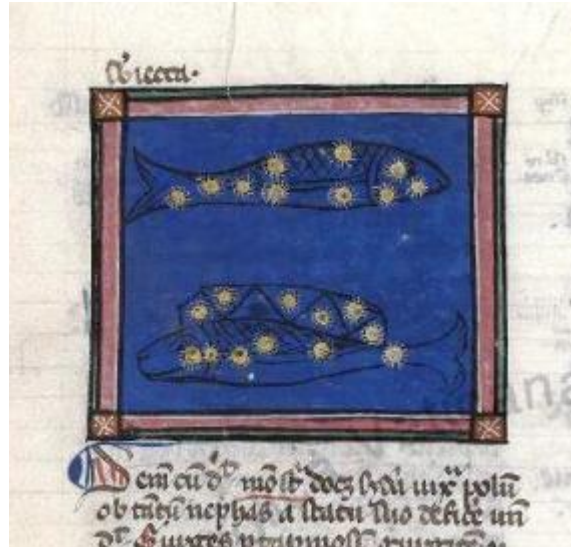
northern hemisphere



southern hemisphere



Padua, Univ . Bibl.
Cod 896



Vatican BAV
Urb lat 355
n.b. – backs upwards, opposite directions,
something on back of southern fish



Vatican BAV
Vat lat 1650
n.b. – same

Fenduli Abridgement

Pisces



Paris BN
Lat 7330



Jupiter – domus



Venus – exaltation



Mercury – detriment



Sol – fall



Paris BN
Lat 7331 – same, note round and square pans



Venus – domus



Saturn – exaltation



Mars – detriment



Sol – fall



London BL
Sloane 3983 – same

Jupiter – domus

Venus – exaltation

Mercury – detriment

Mercury – fall



NY Pierpont Morgan Libr
M 785 – same

Jupiter – domus

Venus – exaltation

Mercury – detriment

Mercury – fall



Paris BN
Smith-Lesouëf 8
15th C



Jupiter – domus



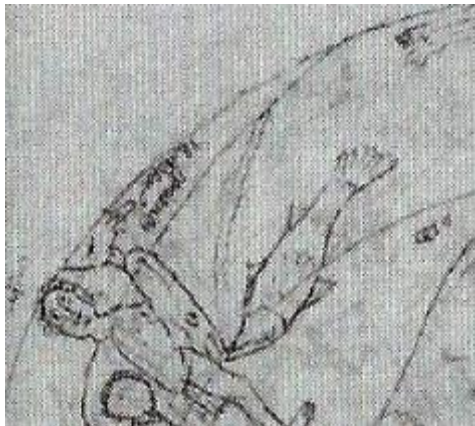
Venus – exaltation



Mercury – detriment



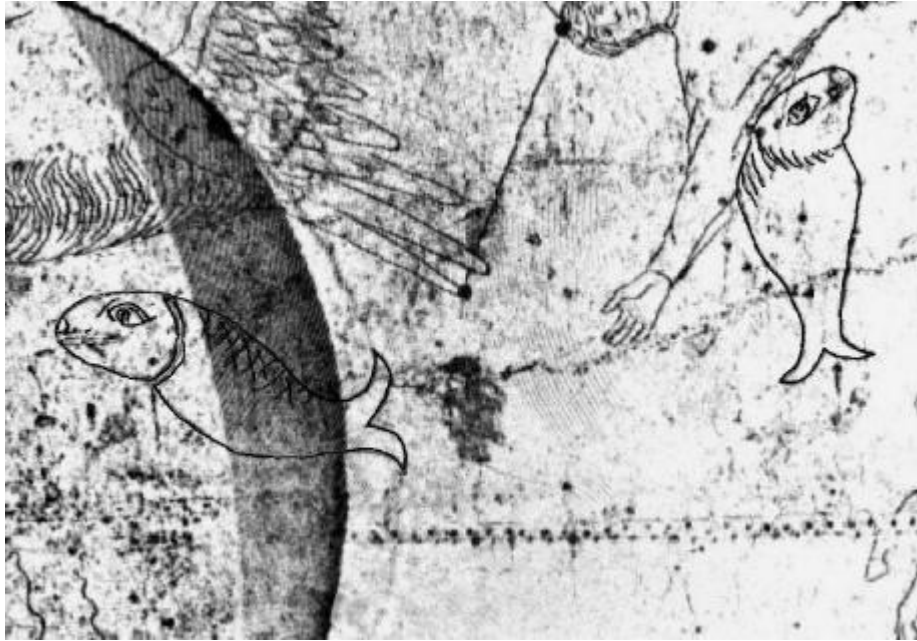
Sol – fall



Bernkastel-Kues
St Nicholas-Hospital
Ms 212 (hemispheres)
n.b. – stream connects mouths



Darmstadt, , Univ- and Landesbibl.
Ms 1020
northern hemisphere
n.b. – no stream



Cusanus globe
n.b. – no cord
© Petr Hadrava

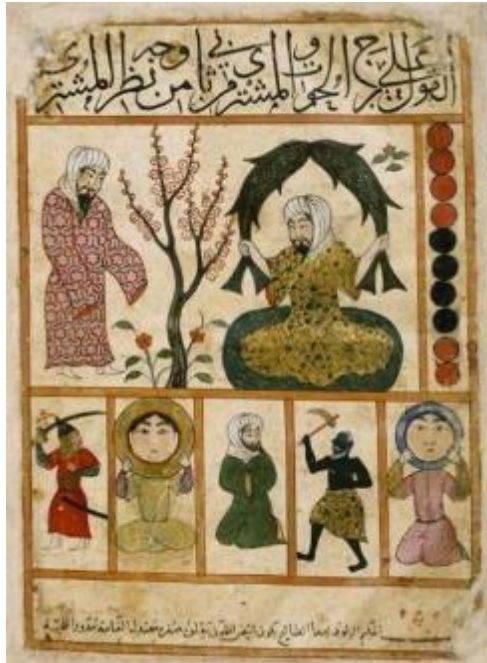


Mantle of Henry II
Regensburg, c. 1020
Bamberg, Domschatz
n.b – backs upwards, connected at mouths
cf. RAL mss; O'Connor 1980

winter hemisphere
connected at mouths



Reliquary of St Servatius
Quedlingburg



Jupiter with Pisces
Albumasar, *Book of Nativities*
Cairo, 15th C
Paris BnF, arab. 2583, fol. 35v



Queen Mary's Psalter
Oxford, Bodleian Library, Ms Auct D. inf. 2 13
fol. 2r



Book of Hours
France (Rouen), c. 1500
New York, Pierpont Morgan Libr., Ms M 175



Aquarius and Pisces
Heinrich Evangeliar
11th C
Munich BSB clm 4454
n.b. – note knot