

toponymy course

17. Name placement

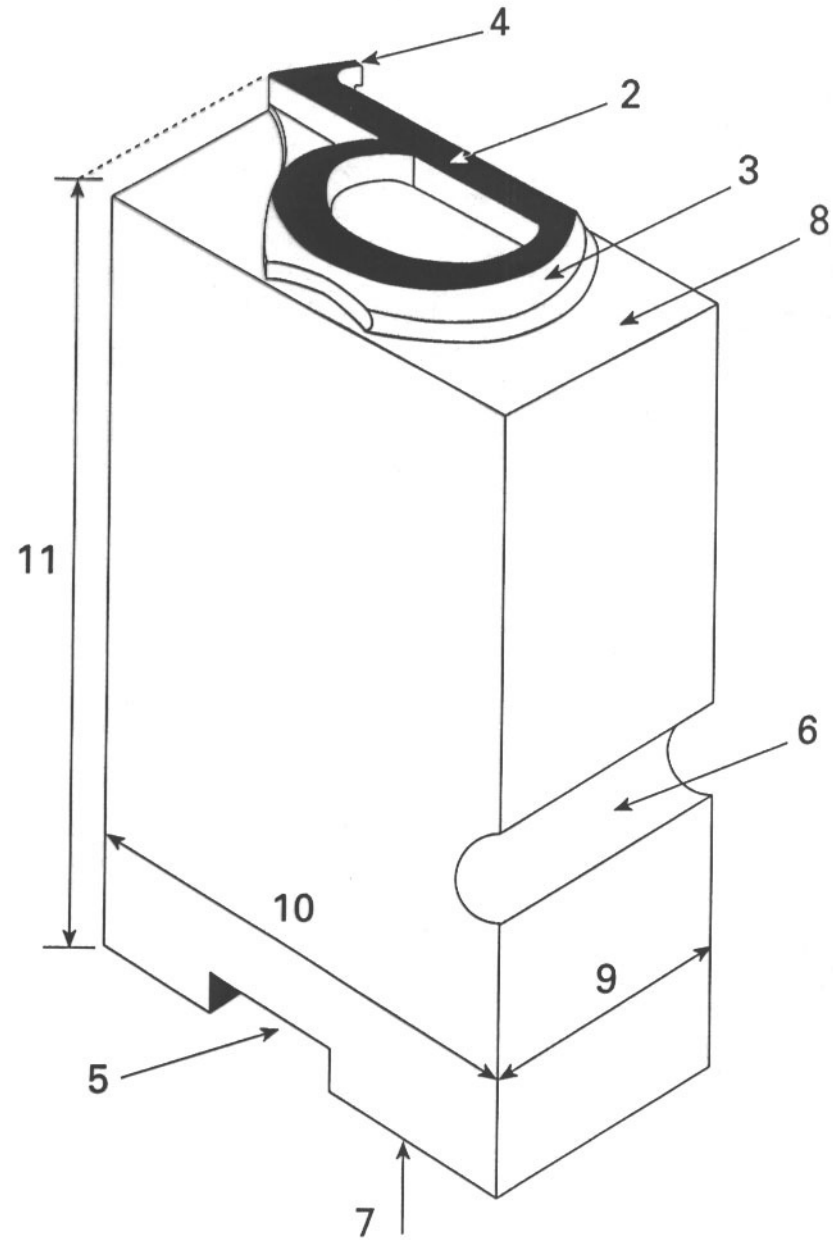
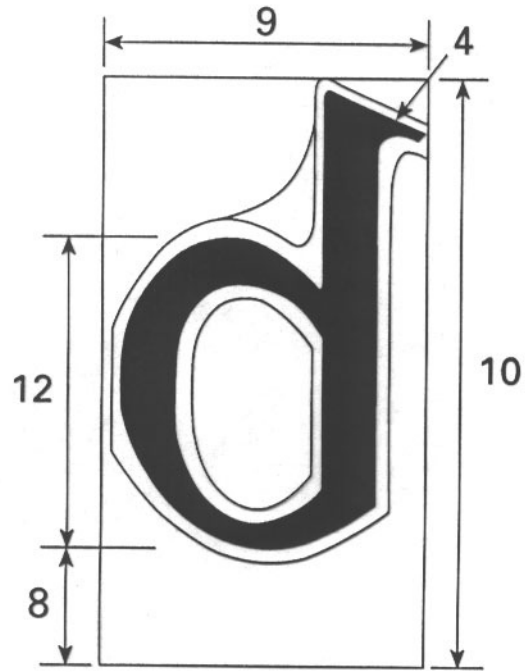
Ferjan Ormeling and Andreas Illert

06/12/2010

8th UN Conf Stand Geographical
Names

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Hiërogliefen	Sinaï-schrift	Fenicisch consonantschrift (met Semitische namen van de letters, betekenis en getalwaarden)	West-grieks alfabet	Klassiek Grieks alfabet (met namen van de letters, klank- en getalwaarden)	Etruskisch alfabet (met betekenis)	Oud-latijns alfabet (met betekenis)	Modern Latijns alfabet
1	2	3	4	5	6	7	8
		'āleph (rund)	· 1	Αα alpha a 1	Α a	A a	A
		bēth (huis)	b 2	Ββ bēta b 2		Β b	B
		gīmel (kameel?)	g 3	Γγ gamma g 3	> k	(c, g	C
		dāleth (deur)	d 4	Δδ delta d 4		D d	D
		hē (tralievenster?)	h 5	Εε h > e ēpsilon ě 5	∃ e	E e	E
		wāw (haak, pen)	w 6	Ϝϝ v (vau) (F digamma v)* 6	(] v)	F v, f	F
		zajin (wapen)	z 7	Ζζ dzēta dz 7			G
		hēth (omheining?)	ḥ (ch) 8	Ηη ēta ē 8	⊖ h	H h	H
		tēth (klos, baal, buis?)	ṭ 9	Θθ thēta th 9	⊙ th		
		jōdh (hand)	j 10	Ιι iōta i 10	i	i	I, J
		kaph (handpalm)	k 20	Κκ kappa k 20	⋈ k	K k	K



7 feet

2 face

8 beard

3 shoulder

9 set (width)

4 serif

10 point size

5 groove

11 type height

6 nick

12 x - height

UNIVERS

UNIVERS

TIMES

TIMES

COURIER

COURIER

CHICAGO

CHICAGO

GILL

GILL

PALATINO

PALATINO

Extra mager
extra light

39
Univers

Mager
Light

45
univers

46
univers

47
univers

48
univers

49
univers

Normaal
Normal

53
univers

55
univers

56
univers

57
univers

58
univers

59
univers

Halfvet
Halfbold
Semi bold ↗

63
univers

65
univers

66
univers

67
univers

68
univers

Vet
Bold

73
univers

75
univers

76
univers

Extra vet
Extra Bold

93
univers

Roman
Normaal

Italic
Cursief

Condensed
Smal

Condensed
italico
Smal-cursief

extra
condensed
Extra smal

Breed
Wide

Lisibility differences book texts vs names

<u>Lisibility</u>	<u>Maps</u>	<u>Books</u>
aspect	words	sentences
letter groups	unfamiliar names	familiar words
spacing	spaced lettering	no spaced lettering
direction	curved/oblique names	horizontal only
style	different type faces	homogeneous type
font size	different sizes,widths	homogeneous size,
lining	names crossing names or other map elements	text lines parallel
linkage	names denote map objects	words part of text
contrast	colourful background	white background
colour	black and coloured	only black letters

Functions of map type

- To address/name
- To refer to/reference
- To indicate size of objects
- To indicate nature of object
- To indicate (relative) importance of objects
- To assist in finding named objects

PROJECTED IMAGE HEIGHT IN MILLIMETRES

Distance from screen in metres

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4
15	87	83	78	74	70	65	61	57	52	48	44	39	35	31	26	22	17
14	81	77	73	69	65	61	57	53	49	45	41	37	33	28	24	20	16
13	76	72	68	64	60	57	53	49	45	42	38	34	30	26	23	19	15
12	70	66	63	59	56	52	49	45	42	38	35	31	28	24	21	17	14
11	64	61	58	55	51	48	45	42	39	35	32	29	26	22	19	16	13
10	58	55	52	49	47	44	41	38	35	32	29	26	23	20	17	15	12
9	52	50	47	45	42	39	37	34	31	29	26	24	21	18	16	13	10
8	47	44	42	40	37	35	33	30	28	26	23	21	19	16	14	12	9
7	41	39	37	35	33	31	29	27	24	22	20	18	16	14	12	10	8
6	35	33	31	30	28	26	24	23	21	19	17	16	14	12	10	9	7
5	29	28	26	25	23	22	20	19	18	16	15	13	12	10	9	7	6
4	23	22	21	20	19	17	16	15	14	13	12	10	9	8	7	6	5
3	17	17	16	15	14	13	12	11	10	10	9	8	7	6	5	4	3

Viewing angle in minutes

Problem letters

c o

v u

a d

Kwalitatieve+ kwantitatieve variabelen

difference in hierarchy	(high)	BERN	GENÈVE	LUZERN	BEX	SION	SCHWEIZ
		spacing	case	size	boldness	width	grey value
	(low)	SPIESS	Gryon	VILARS	GSTAAD	SION	SCHWEIZ
difference in quality		Argentine		MURTENSEE		VALAIS	
		colour		style		roman/italic	
		Lac Léman blue		LAC DE MORAT		<i>RHÔNE</i>	

Verschil in hiërarchie	hoog	kapitaal / onderkast	(corps)grootte	dikte (vet, medium, etc.)	grijswaarde
	laag	UTRECHT	ENSCHEDÉ	DELFT	WAGENINGEN
Verschil in kwaliteit		UTRECHT (rood)	Enschede	DELFT	WAGENINGEN
		UTRECHT (blauw)	ENSCHEDÉ	DELFT	WAGENINGEN

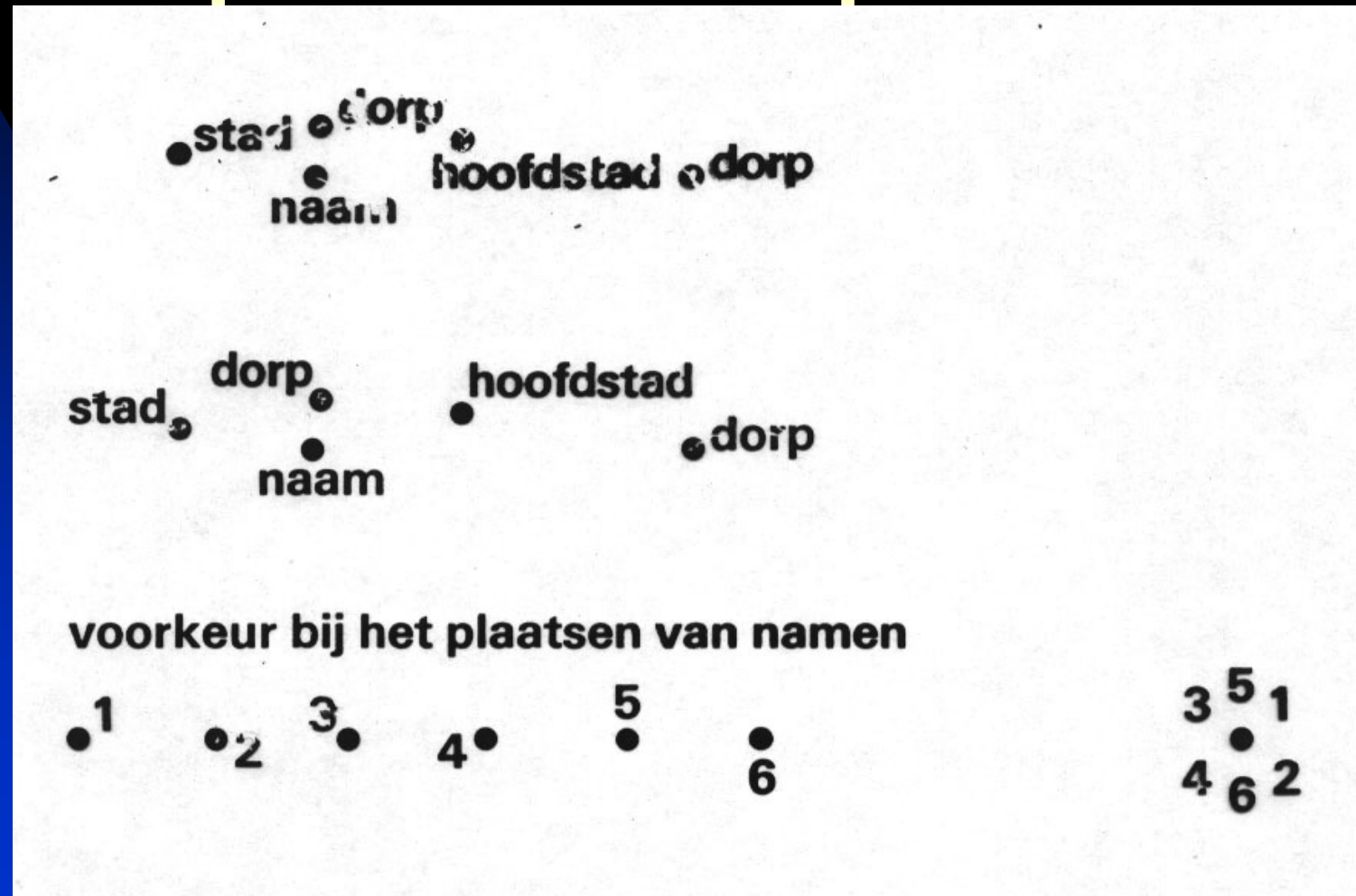
Afwijkens schrift voor zuivere generics illustratie nodig uit kaart

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Names

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Map lettering preference > Spiess



Requirements to map lettering:

- Unambiguity
- Indicating an object's size
- Preventing confusion between point symbols
- Not disturbing patterns
- Not disturbing readability of other names

Times Roman all

les



Univers all countries,



Countries Times Roman



Times Roman all,



Univers all hydrography sea



Countries Times Roman



Univers all, countries

and



Times Roman all,

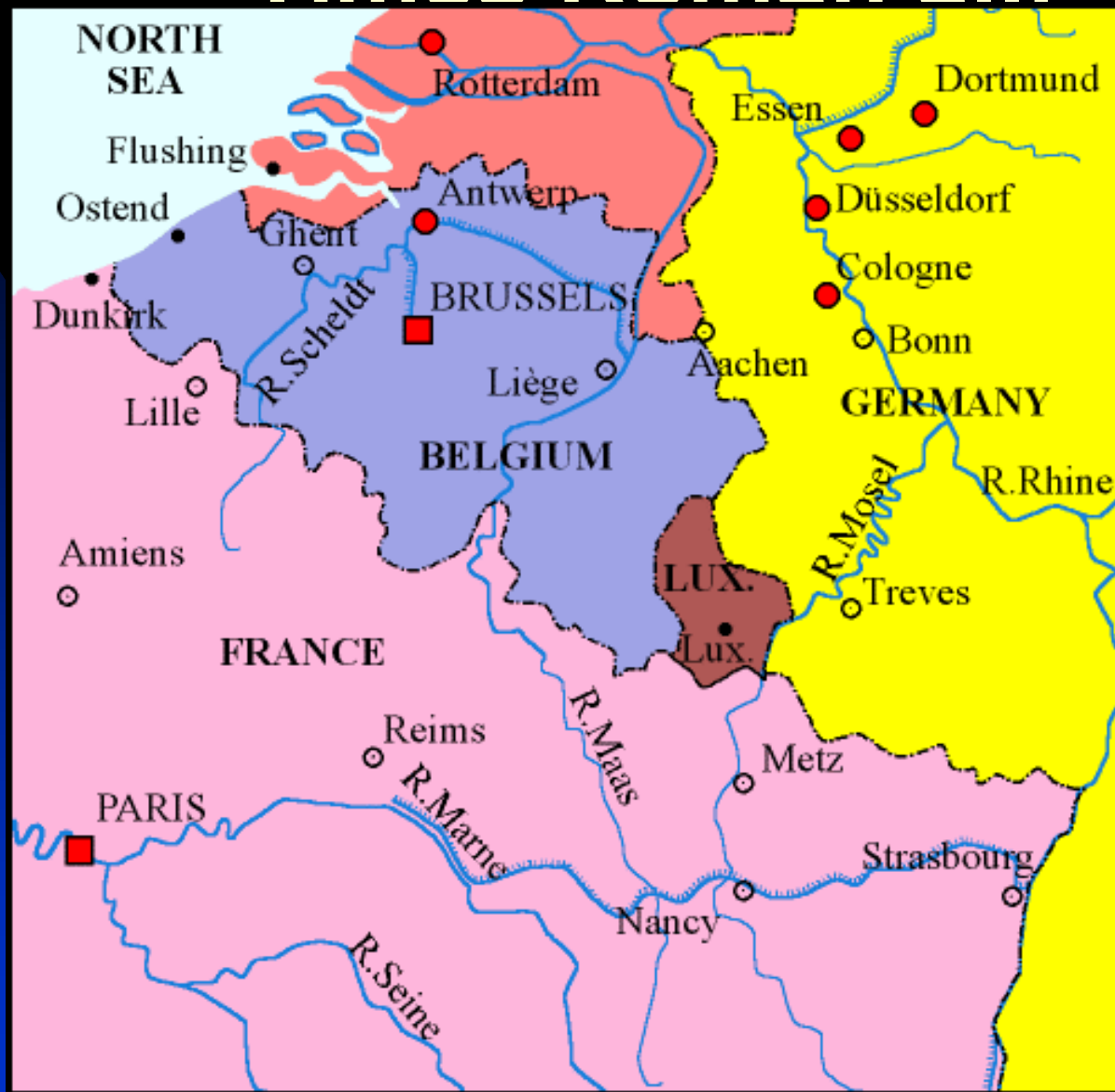


Countries Times Roman



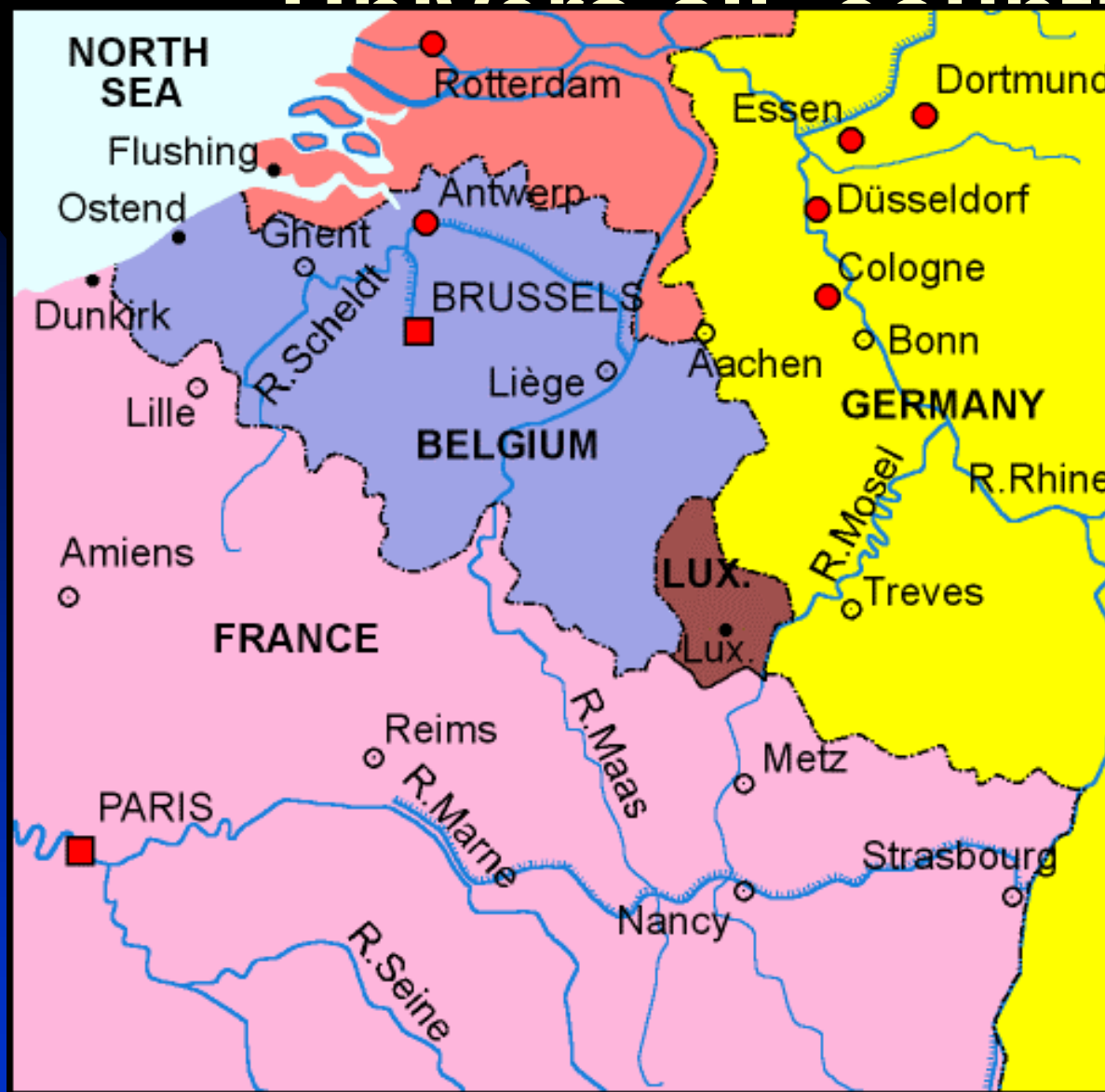
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Times Roman all:

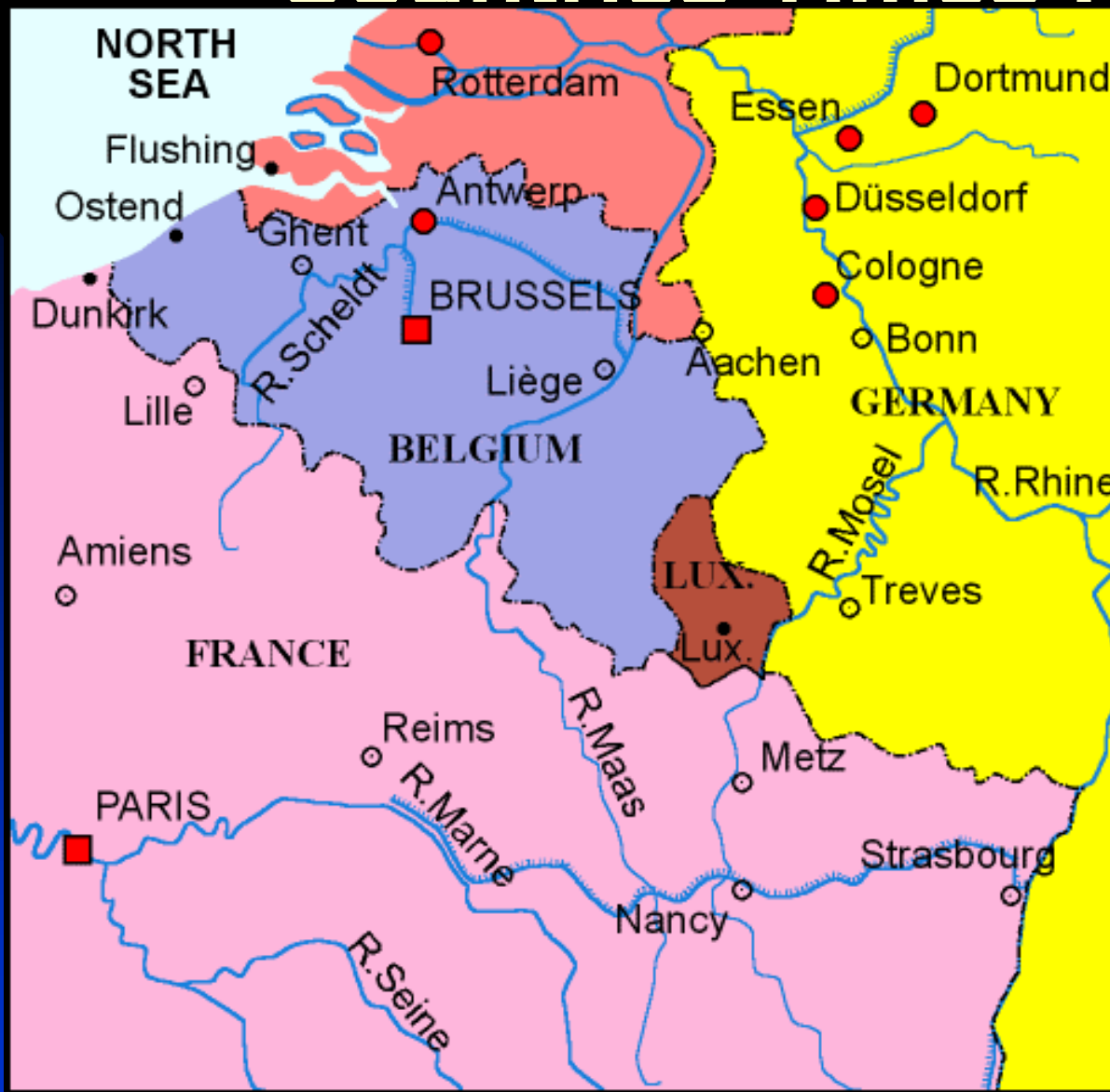


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Countries Times Roman



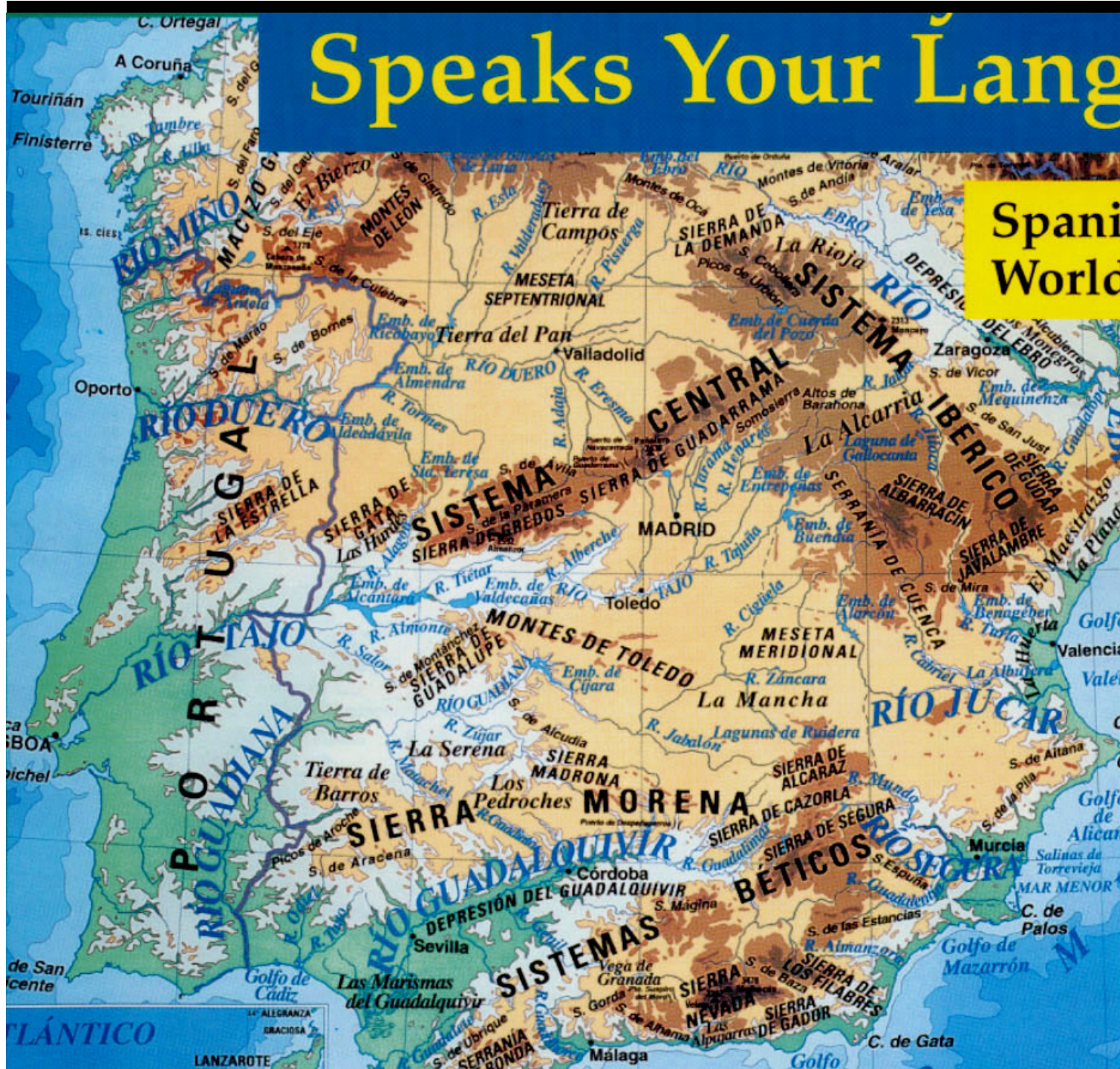
Countries Times Roman



Speaks Your Language

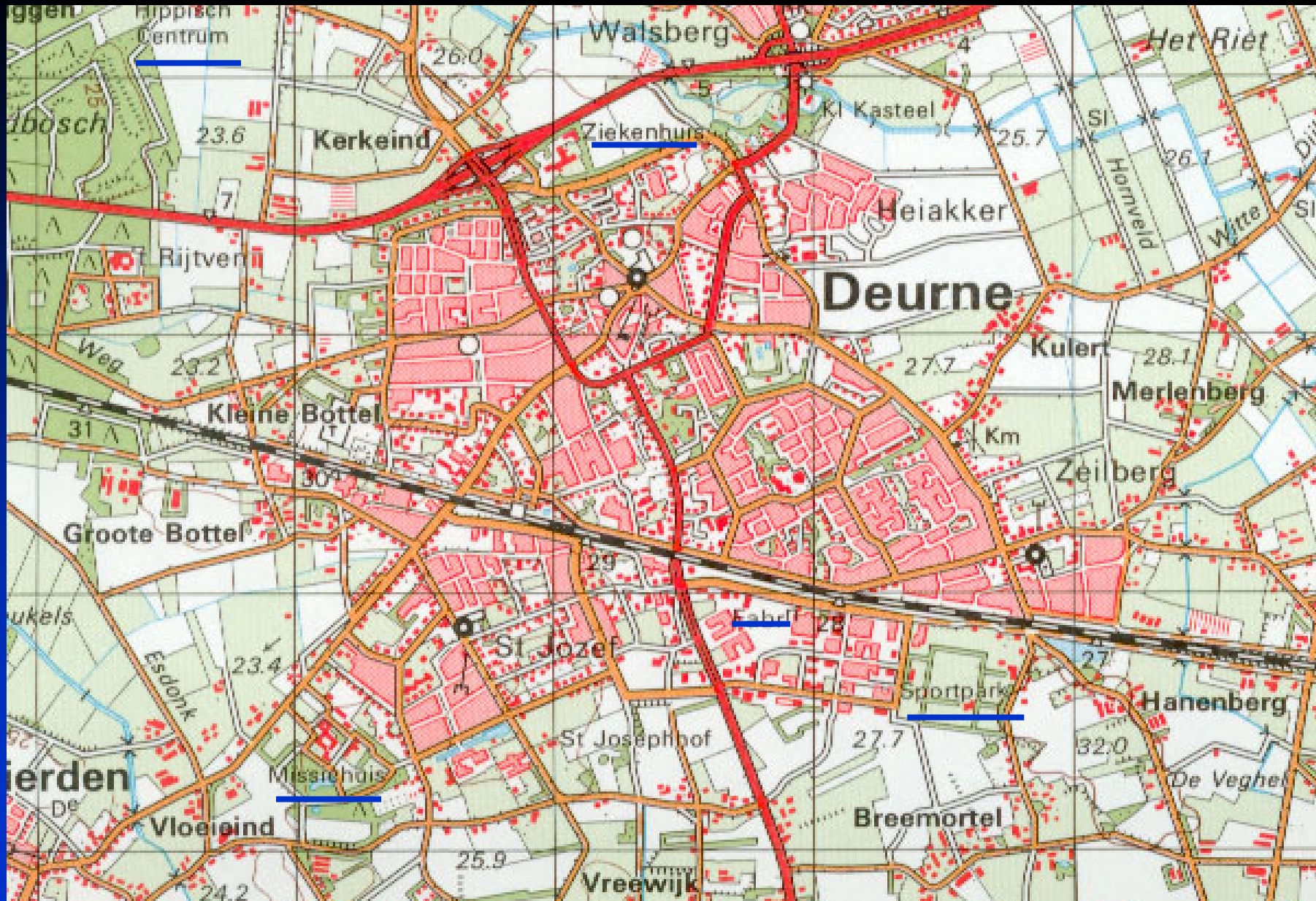
ame

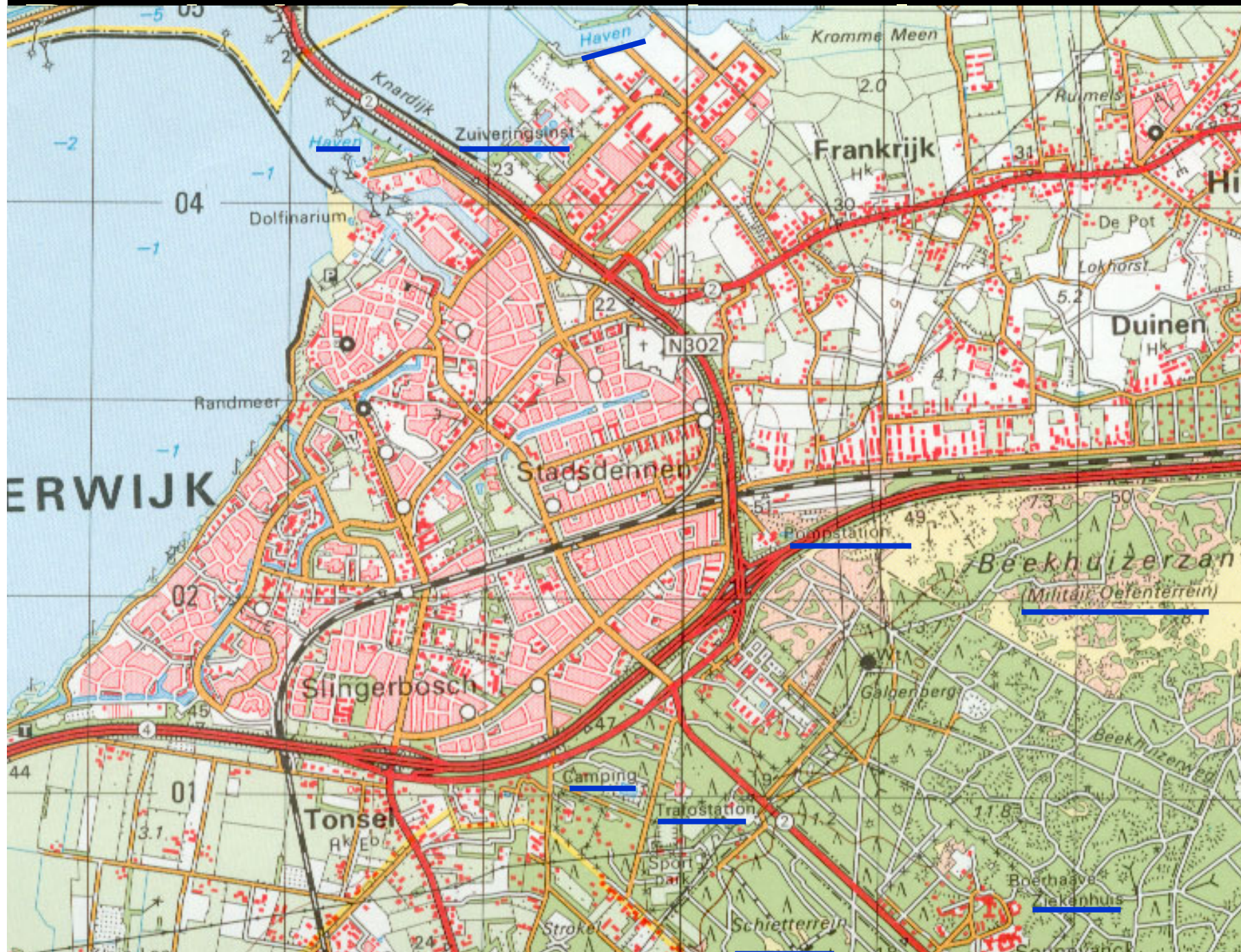
Spani
World

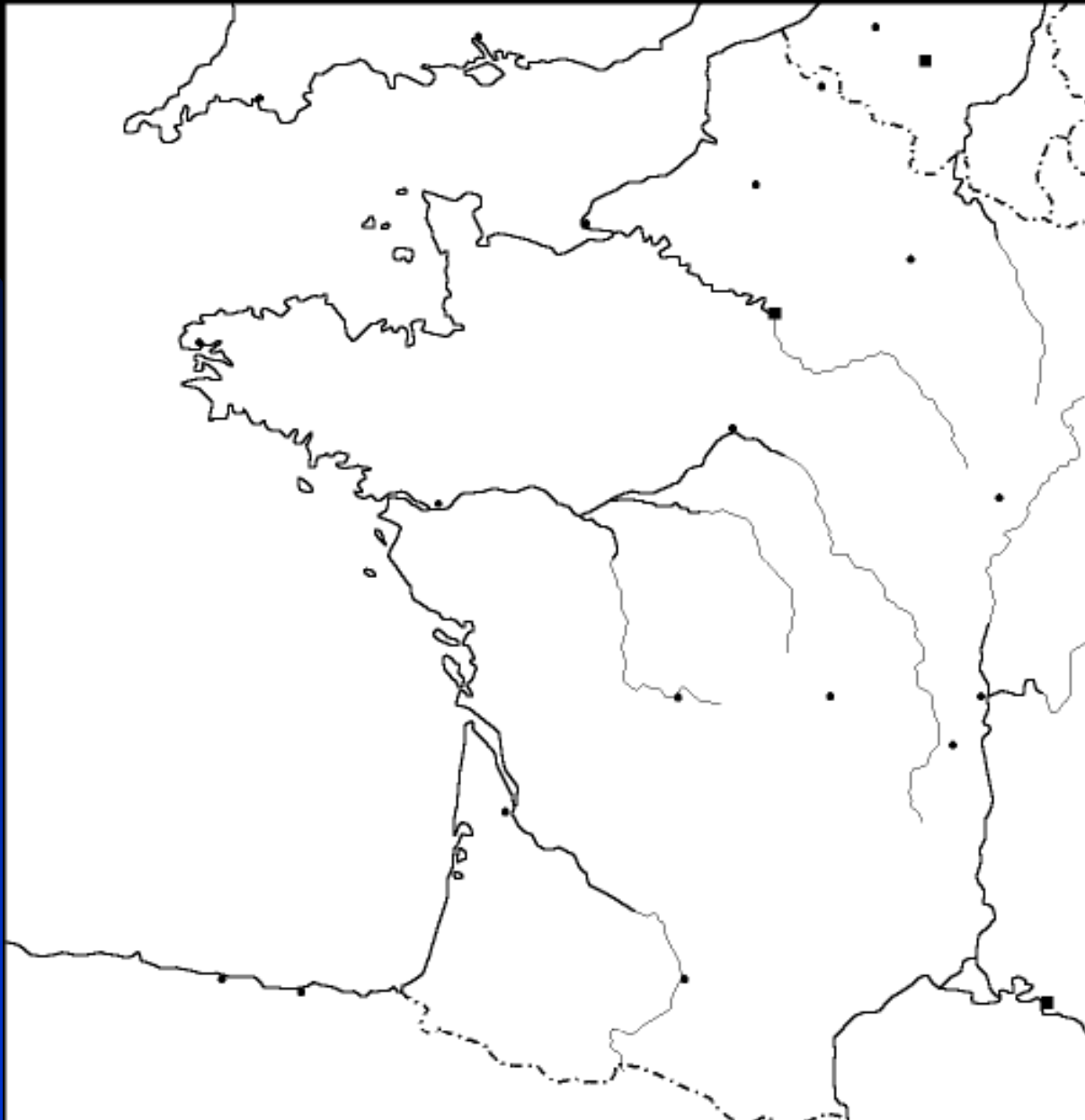




Rendering of generics only

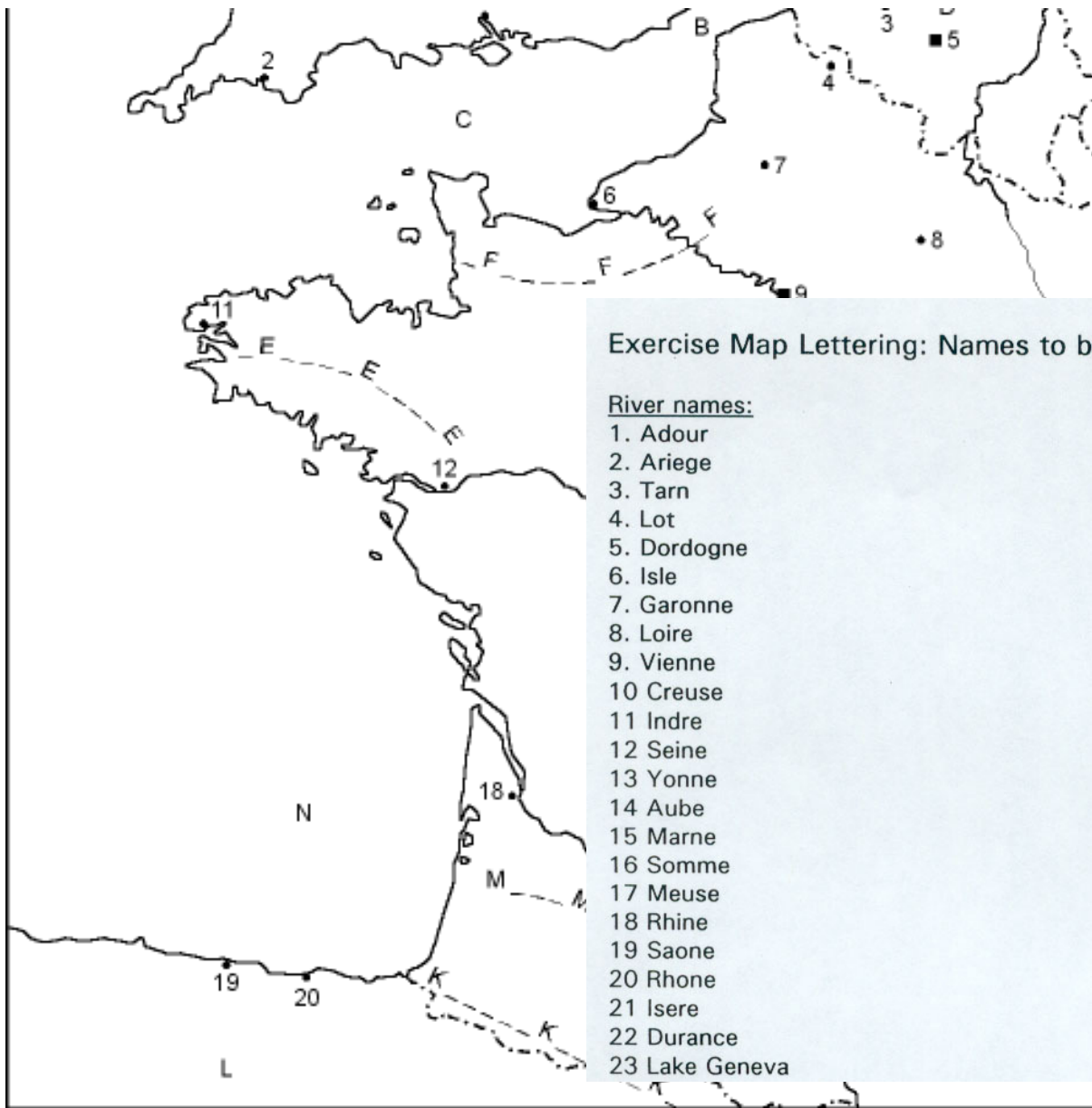






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Can you find standard geographical
Names



Exercise Map Lettering: Names to be rendered on the map of France

River names:

1. Adour
2. Ariege
3. Tarn
4. Lot
5. Dordogne
6. Isle
7. Garonne
8. Loire
9. Vienne
10. Creuse
11. Indre
12. Seine
13. Yonne
14. Aube
15. Marne
16. Somme
17. Meuse
18. Rhine
19. Saone
20. Rhone
21. Iser
22. Durance
23. Lake Geneva

- dd Paris
- ee Rouen
- ff Le Havre
- gg Caen
- hh Amiens
- ii Calais
- jj Dunkirk
- kk Lille
- ll Valenciennes
- mm Reims
- nn Metz
- oo Nancy
- pp Strasbourg
- qq Mulhouse
- rr Besancon
- ss Bordeaux

Countries

- I Spain
- II Italy
- III Andorra
- IV Switzerland
- V Germany
- VI Belgium

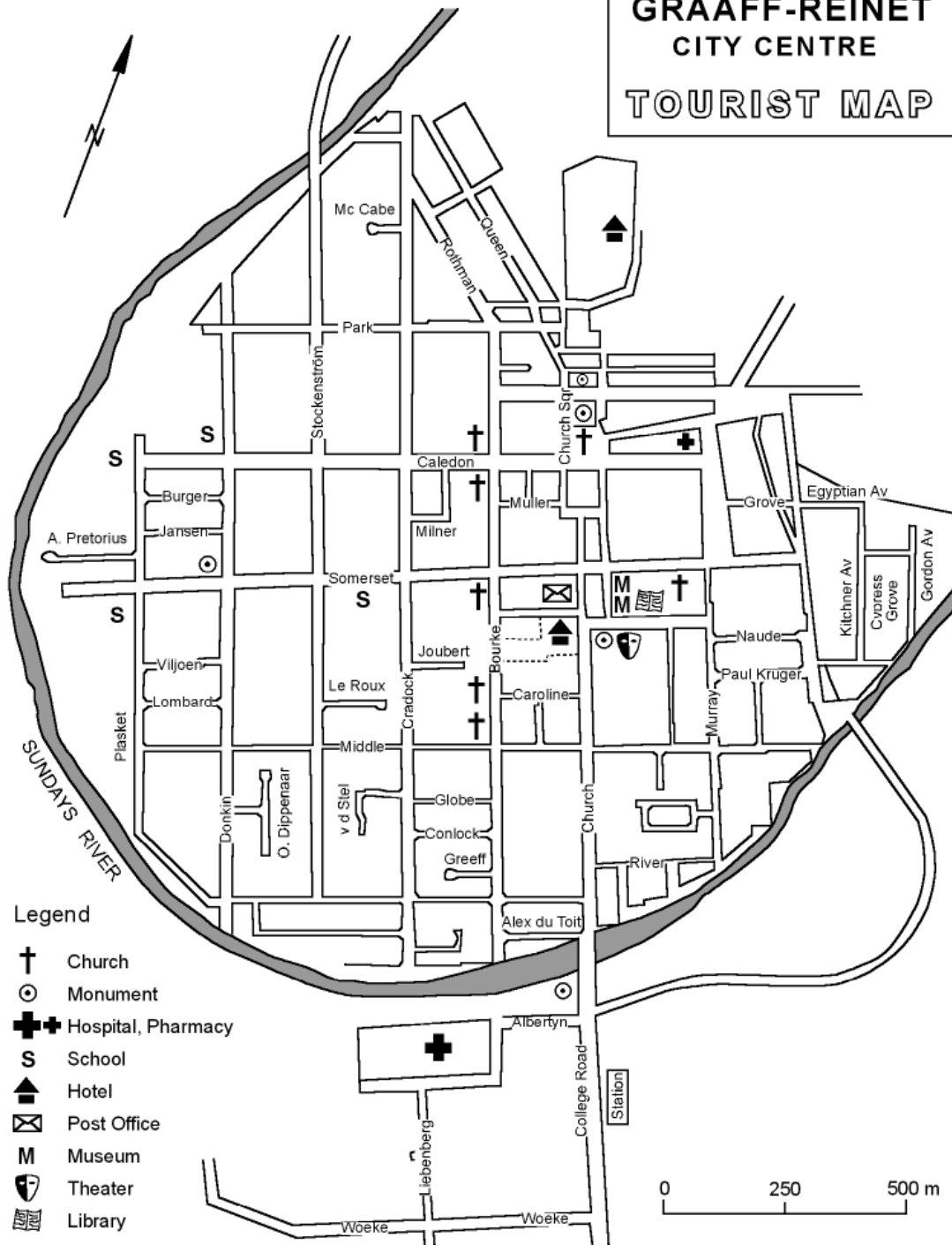


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Names

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GRAAFF-REINET CITY CENTRE TOURIST MAP



Legend

- † Church
- ⊙ Monument
- ⊕ Hospital, Pharmacy
- S School
- ▲ Hotel
- ✉ Post Office
- M Museum
- 🎭 Theater
- 📖 Library

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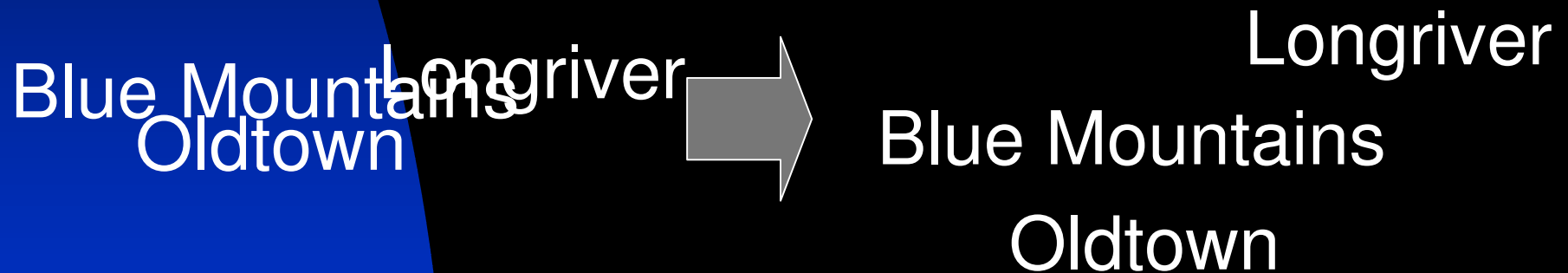




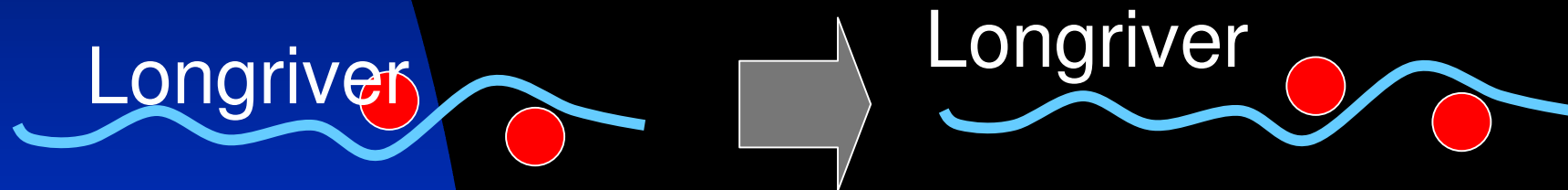


Some Rules for Text Placement in Maps

Names must not overlap each other.



**Text should not obscure
relevant map information.**



Name placement at point objects

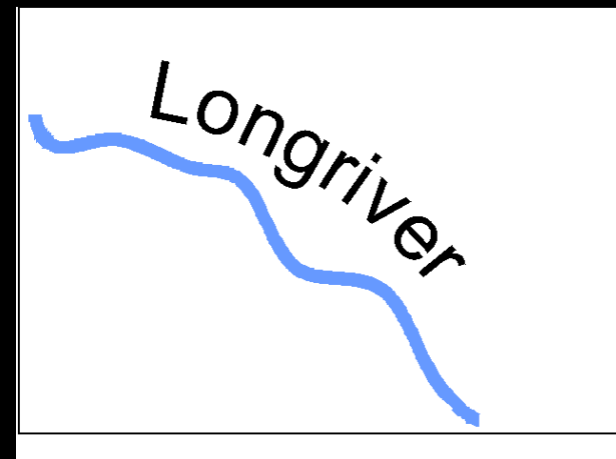
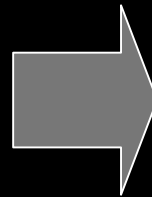
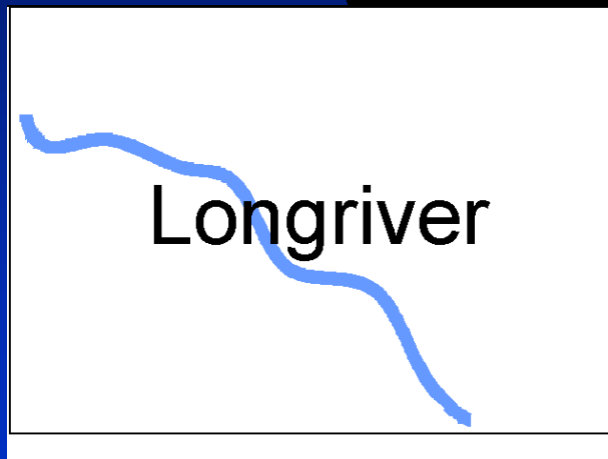
best position: upper right

 Oldtown

worst position: centre below

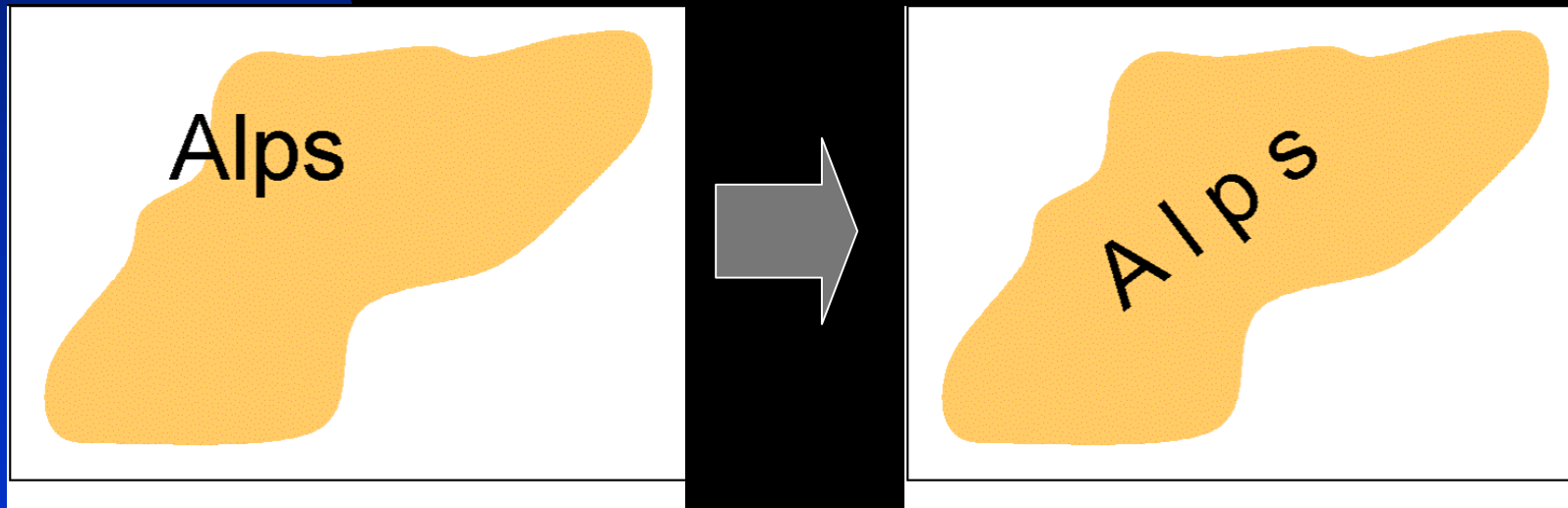

Oldtown

Name placement at line objects: parallel to the object



Name placement at area objects:

Follow the size and extension
of the object



Automatic name placement:

Success depends on density of text.
50% to 90% may be solved automatic.
Nice maps always require manual processing.

Feature coordinates

Gazetteer, GIS:
True Position

Map: in addition:
Text Position

