

Modelling Roman concepts of copper-alloy recycling and mutability: the chemical characterisation hypothesis and Roman Britain

Book or Report Section

Accepted Version

Figures

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Figure 7.1

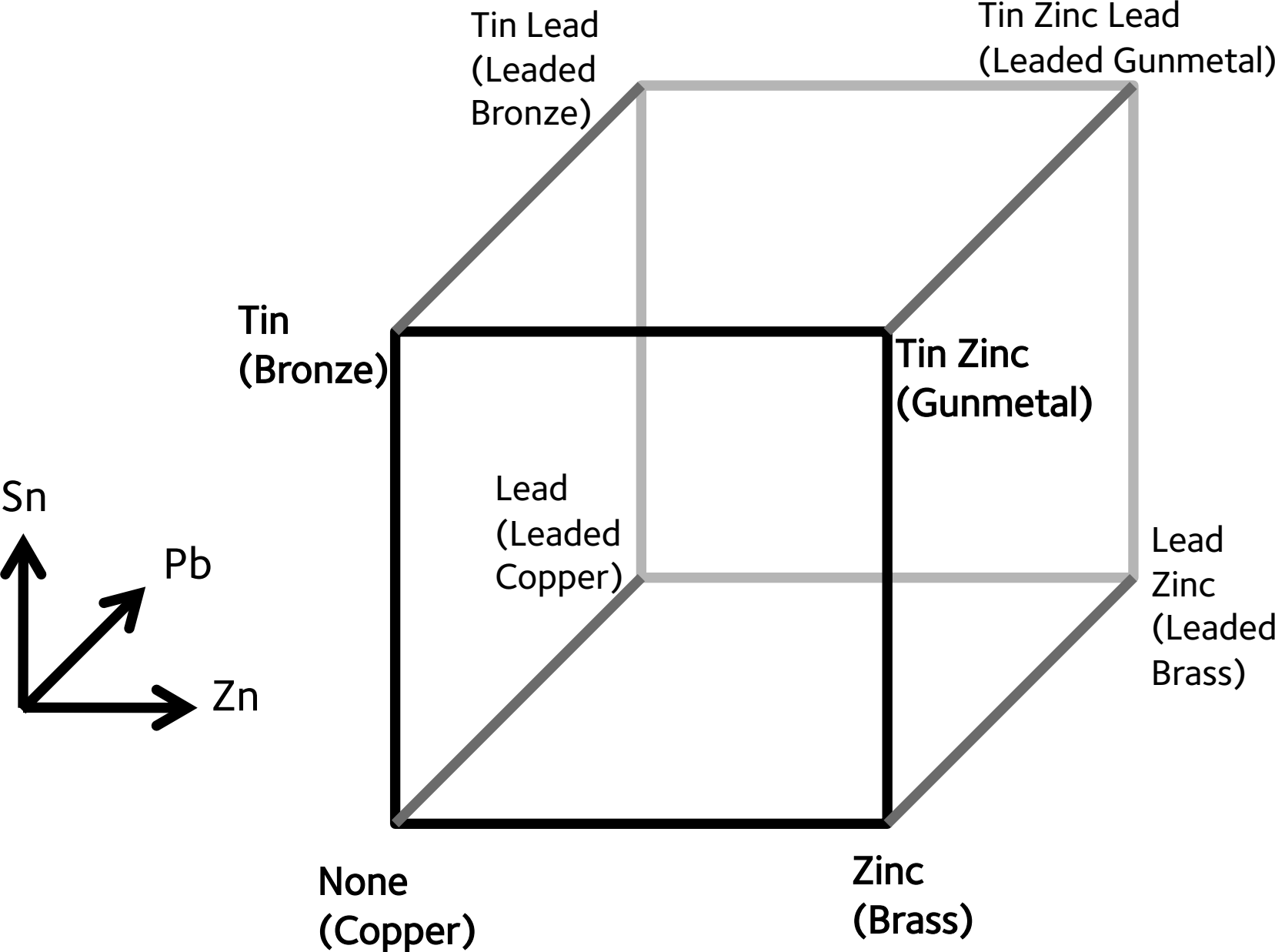


Figure 7.2

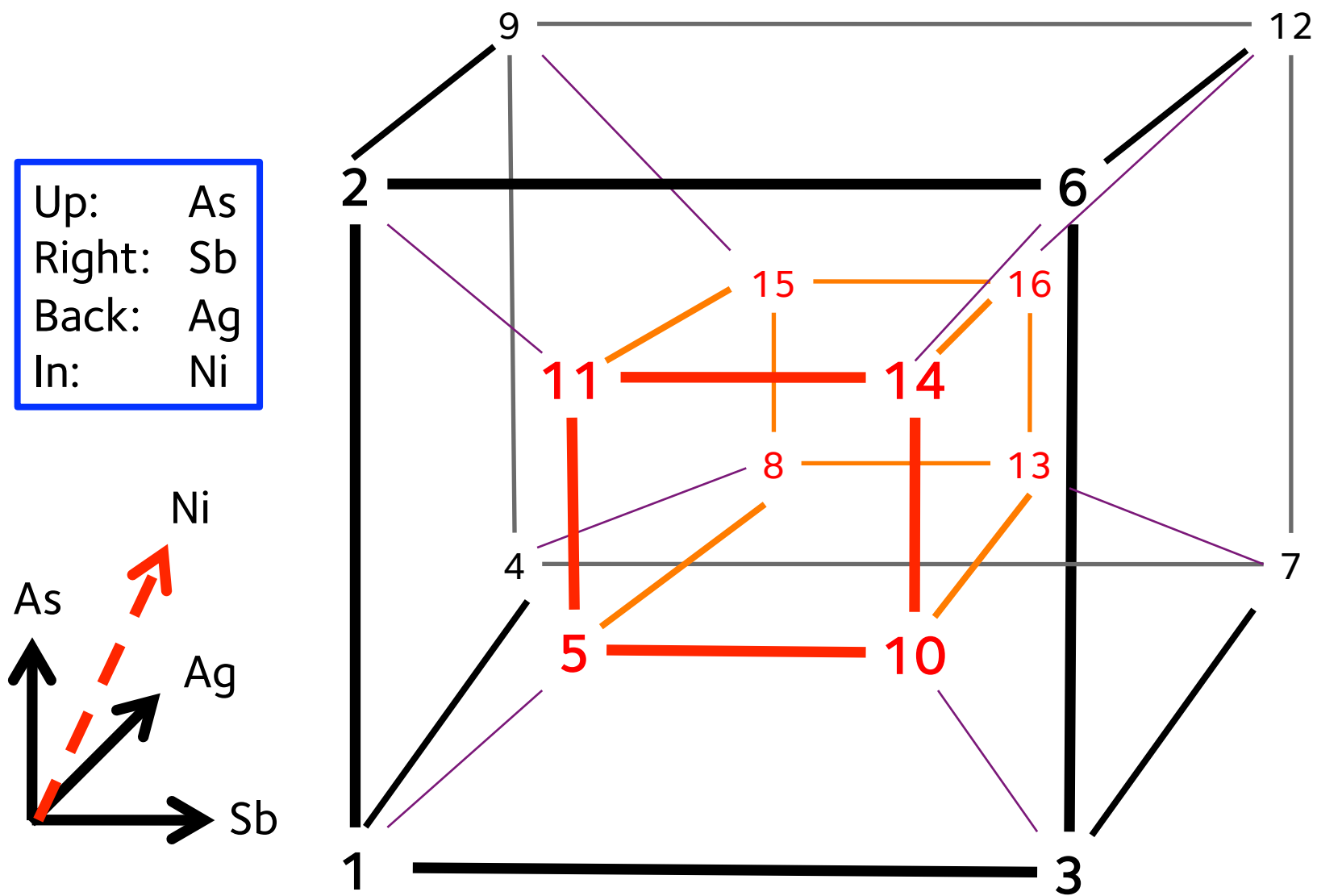


Table 7.1

Defining the chemical impurity space for copper:

Arsenic // Antimony // Silver // Nickel

1	NNNN	No Minor
2	YNNN	As
3	NYNN	Sb
4	NNYN	Ag
5	NNNY	Ni
6	YYNN	As, Sb
7	NYYN	Sb, Ag
8	NNYY	Ag, Ni
9	YNYN	As, Ag
10	NYNY	Sb, Ni
11	YNNY	As, Ni
12	YYYN	As, Sb, Ag
13	NYYY	Sb Ag, Ni
14	YYNY	As, Sb, Ni
15	YNYY	As, Ag, Ni
16	YYYY	As, Sb, Ag, Ni

Figure 7.3

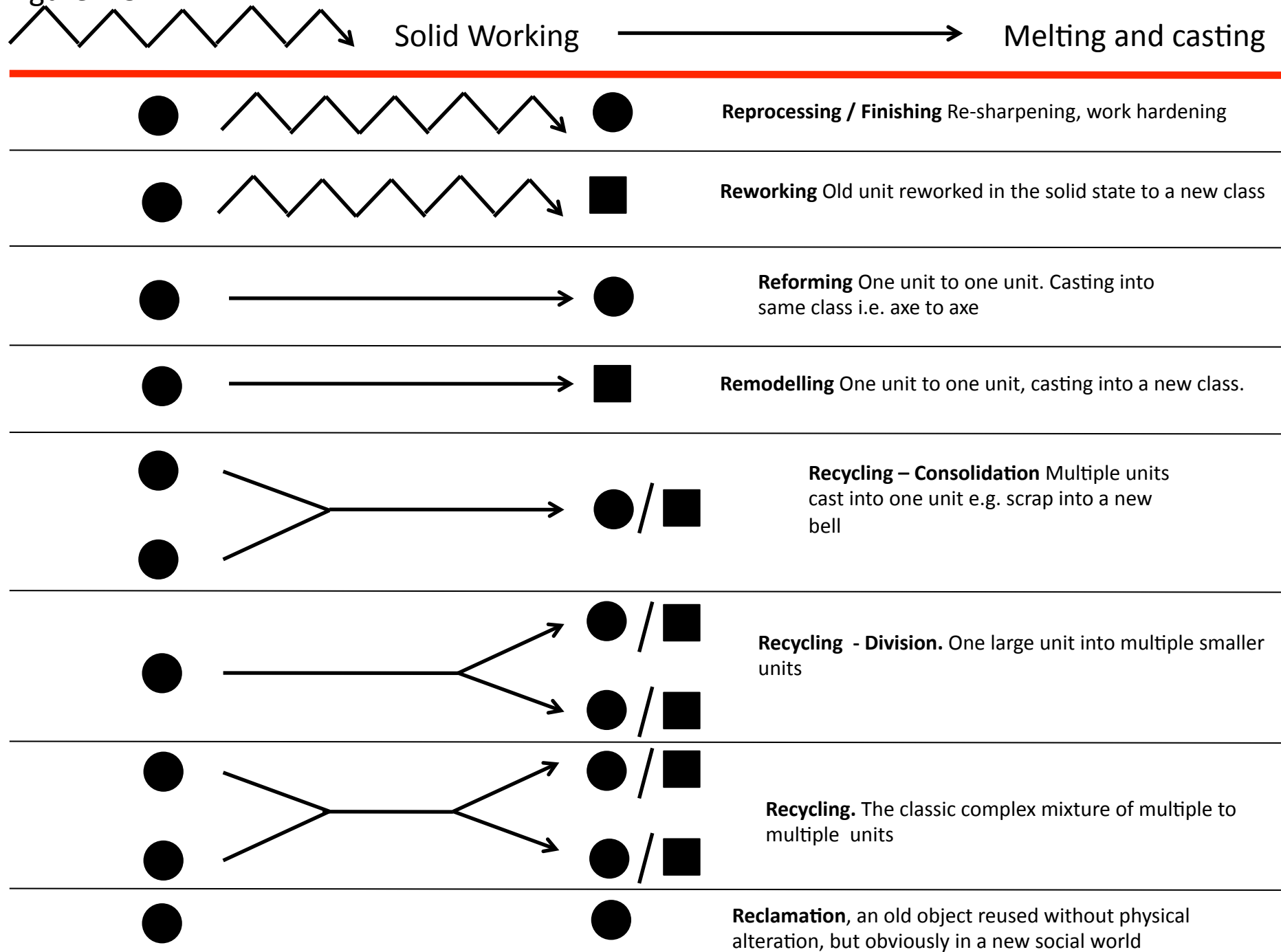


Figure 7.4

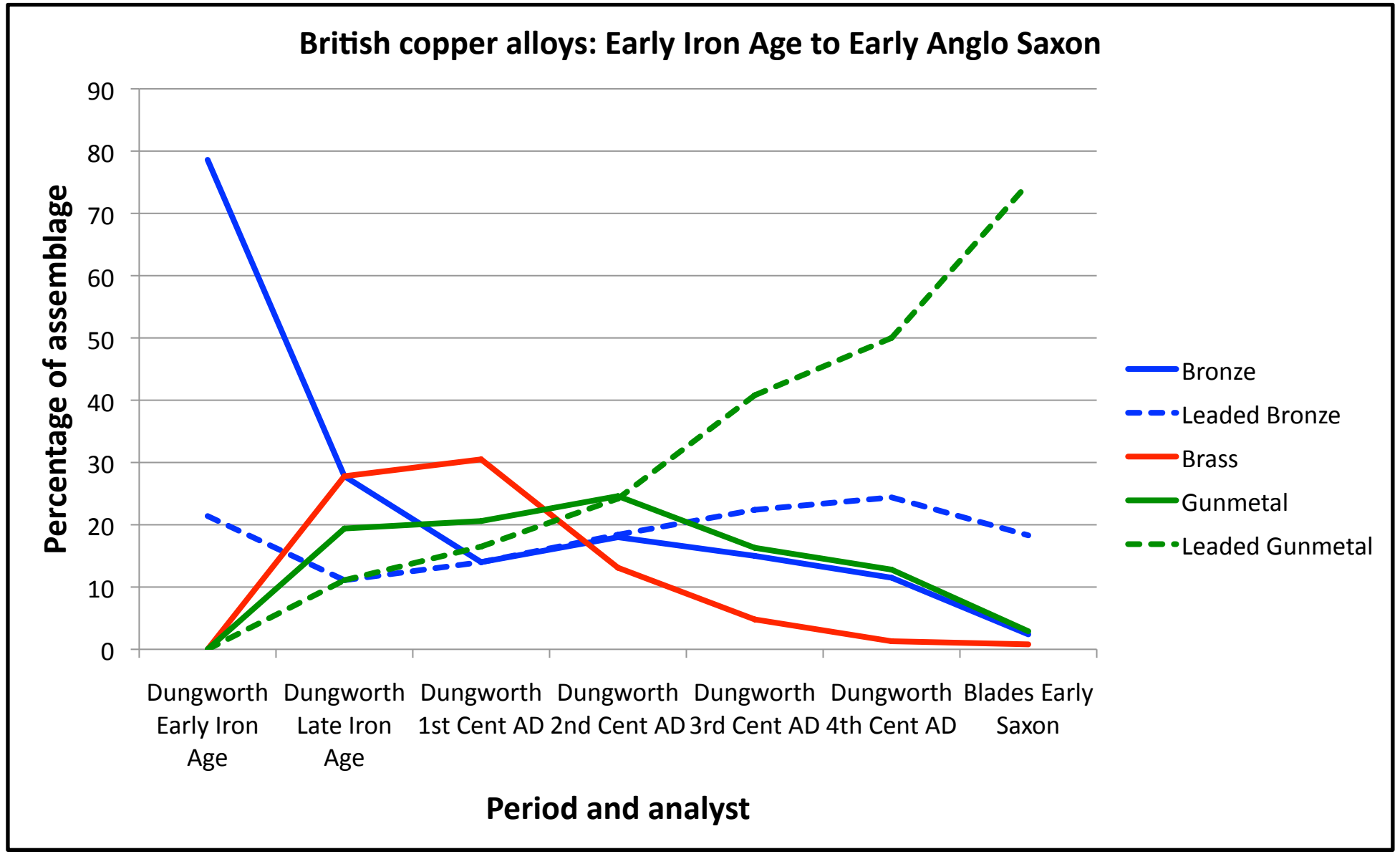


Table 7.2

	CS 1	CS 2	CS 3	CS 4	CS 5	CS 6	CS 7	CS 8	CS 9	CS 10	CS 11	CS 12	CS 13	CS 14	CS 15	CS 16
Peter Northover "Iron Age"	25.1	27.1	11.3	2.4	1.0	9.5	4.2	0.2	4.0	0.4	2.2	3.6	1.0	3.2	1.6	3.4
Nigel Blades Roman	9.6	0.0	64.9	4.3	0.0	1.1	20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nigel Blades Early Saxon	2.1	0.0	28.1	2.7	0.3	3.2	49.9	0.0	0.3	1.1	1.1	4.8	0.5	2.1	0.8	3.2
Nigel Blades Middle Saxon	8.1	5.4	12.1	2.0	2.0	8.1	34.9	0.7	0.7	0.0	0.0	18.1	0.0	0.7	0.7	6.7
Nigel Blades Late Saxon	5.5	1.4	41.1	6.8	1.4	6.8	23.3	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	2.7

Figure 7.5

The chemical composition of Copper-Alloys containing small amount of antimony and no other minor impurity (CS 3) (Data by Nigel Blades 1995)

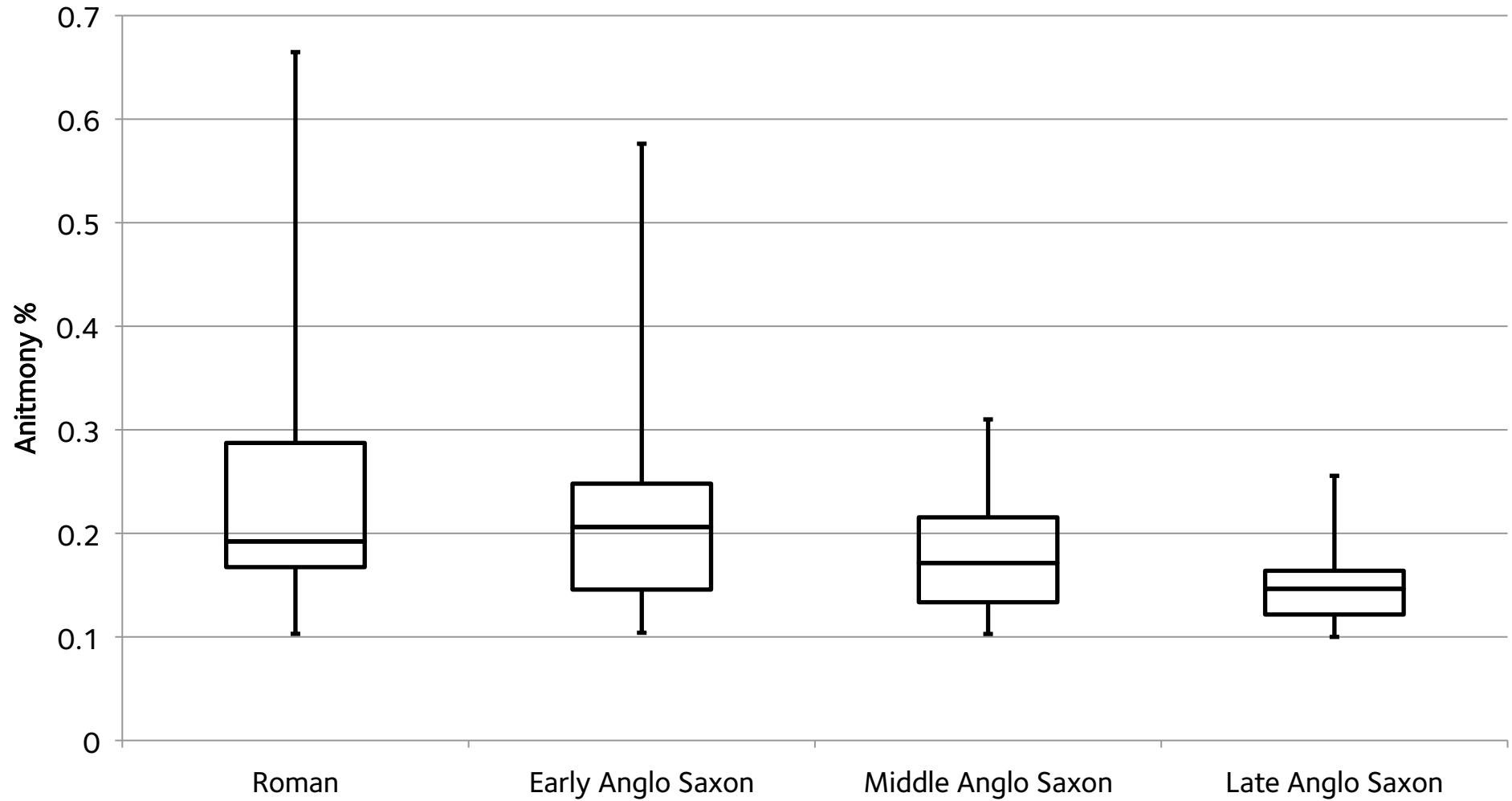


Figure 7.6

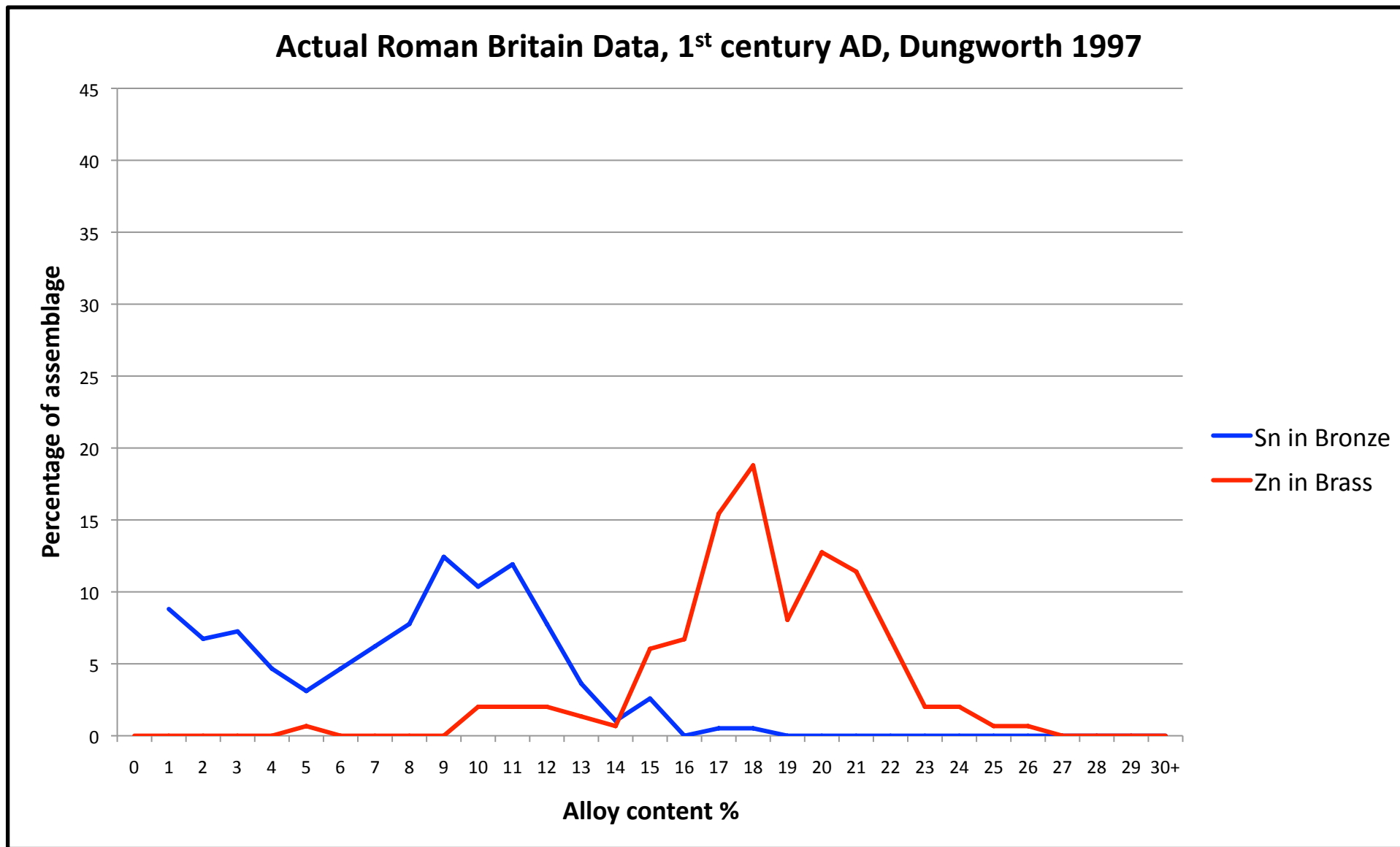


Figure 7.7

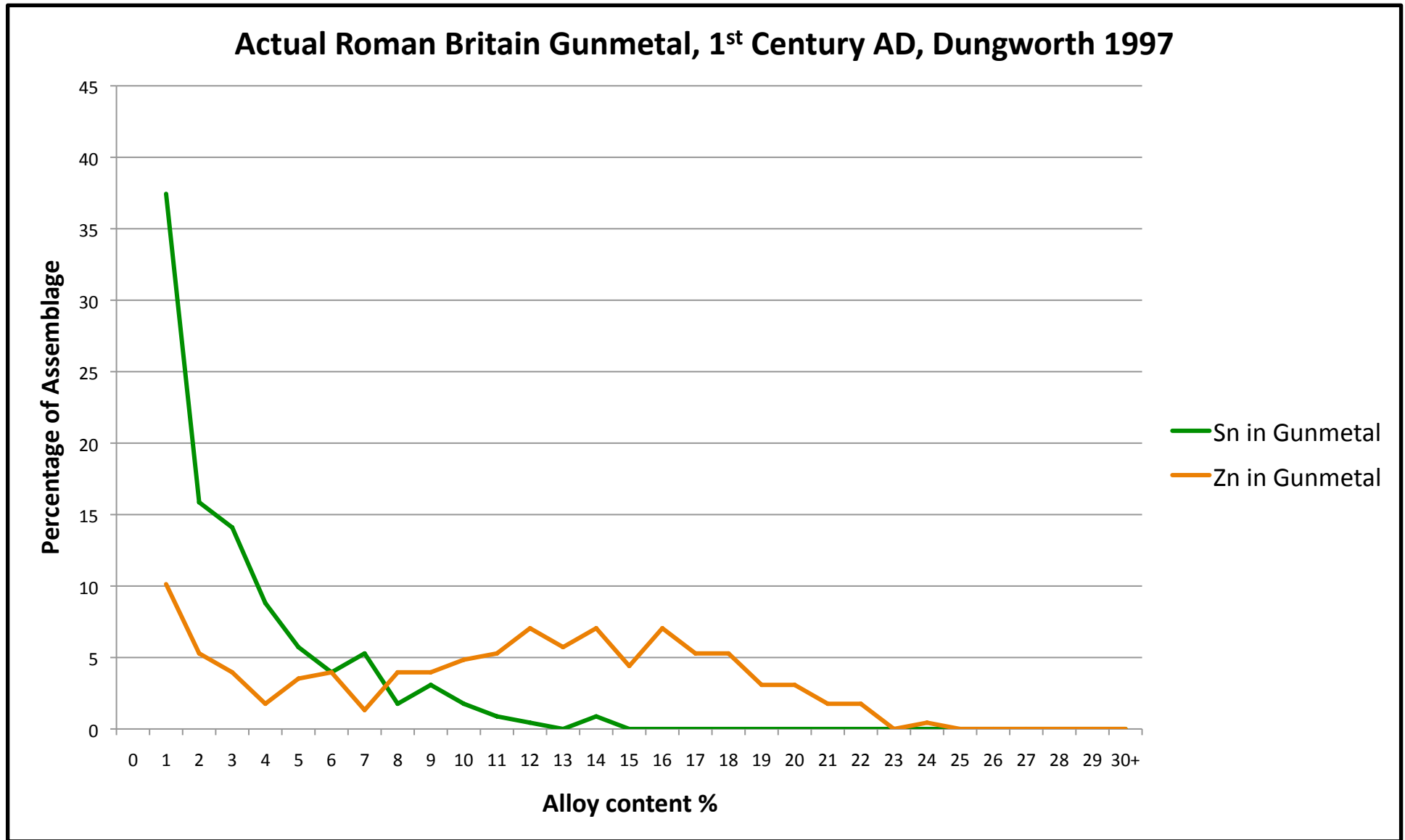


Figure 7.8

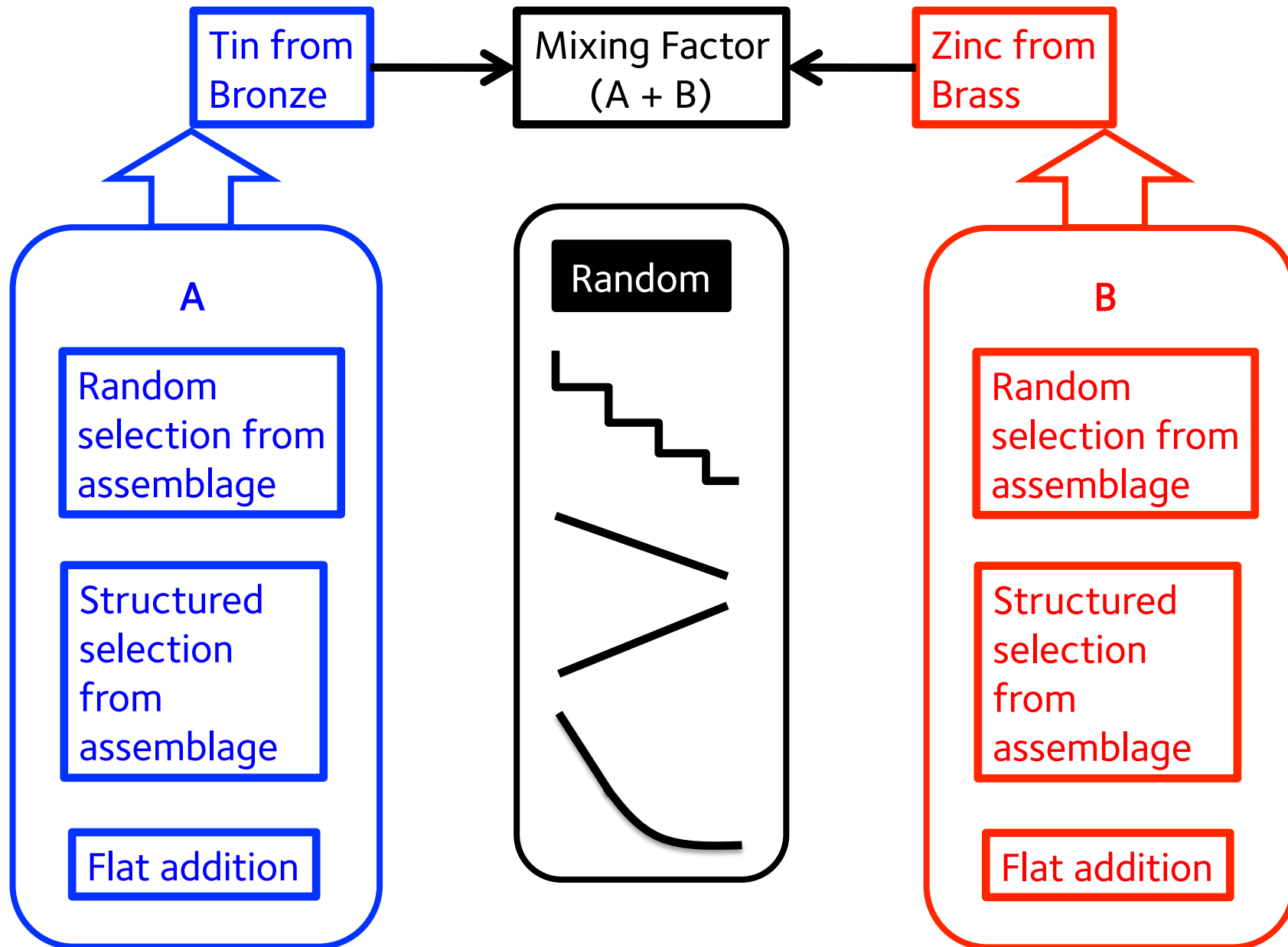


Figure 7.9

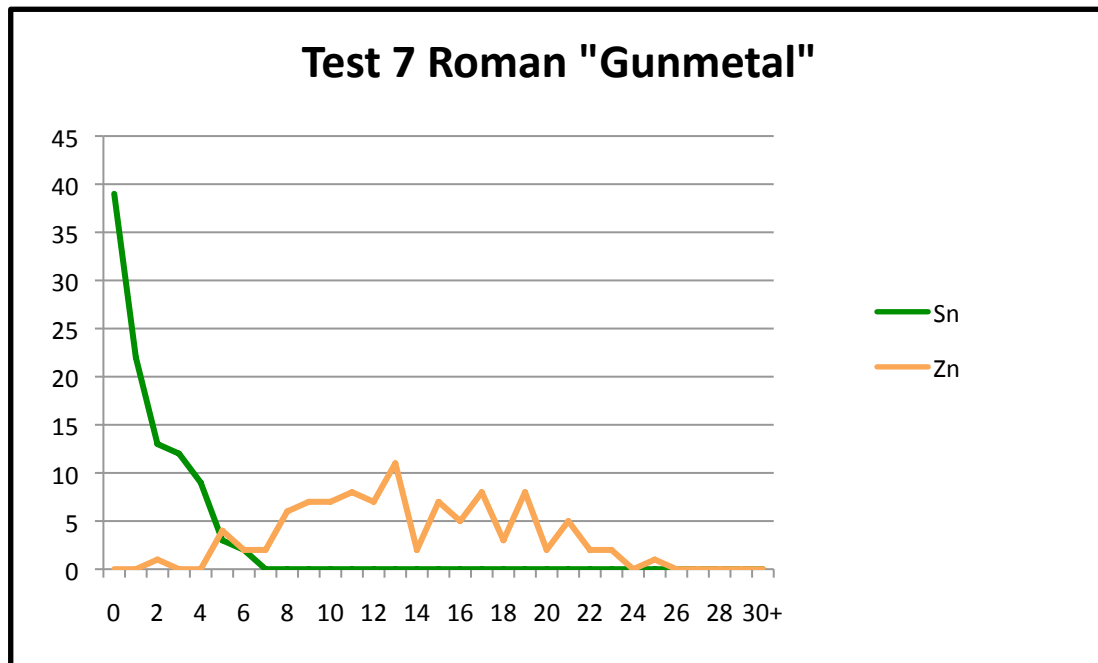
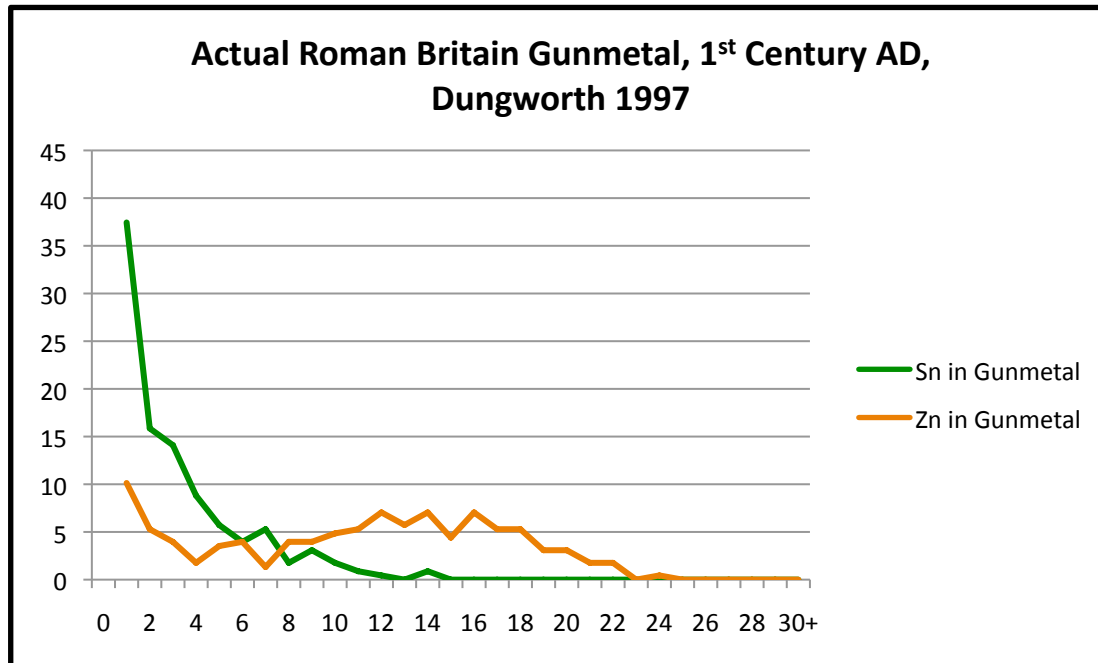


Figure 7.10

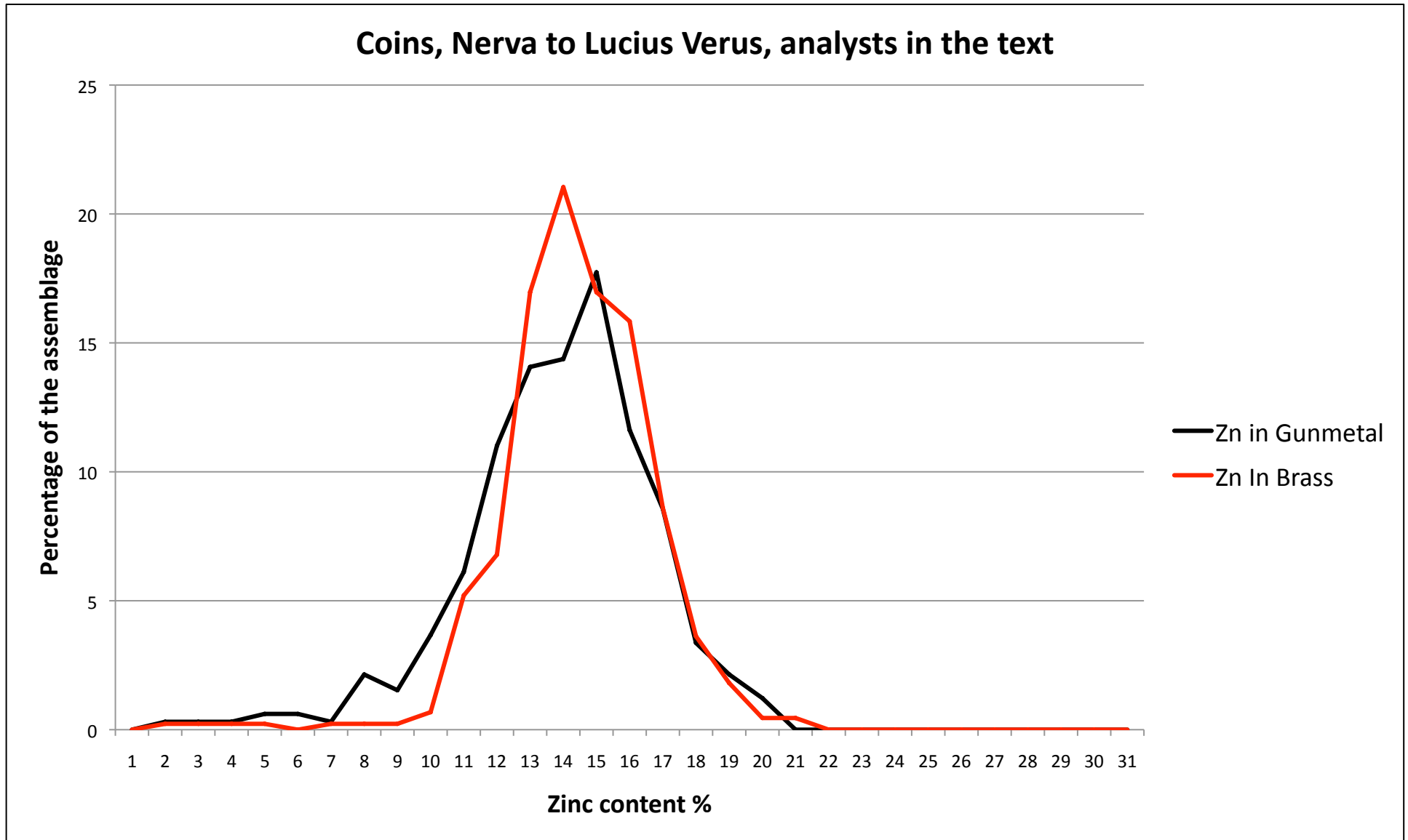


Figure 7.11

Nero, Brass Coinage, Distribution of Zinc

