
Contents

Foreword	vii
Acknowledgements	ix
Key to acronyms	xi
1. Introduction: Sources, motives, approaches and disclosures	1
2. Physical examination I: Observation	22
3. Physical examination II: Determining composition	40
4. Making a three-dimensional copy	61
5. Physical dating techniques I: Radiocarbon dating	87
6. Physical dating techniques II: Thermoluminescence and dendrochronology	110
7. Metals I: Composition	137
8. Metals II: Metalwork and coins	157
9. Ceramics	186
10. Glass and enamels	210
11. Stone and sculpture	242
12. Painting	271
13. Paper, prints and documents	313
14. The patination of copper and its alloys	349
15. Gold and silver	369
16. Gemstones and jade	394
17. Organic materials: Mainly natural	422
18. Organic materials: Mainly synthetic and cloth	447
19. Scientific fraud and Charles Dawson	471
20. Conservation and concealment: The problems of restoration	497
Bibliography	525
Index	595