

Contents

POLLARD, A. M. Geoarchaeology: an introduction	7
Exploration	
VERNON, R. W., McDONNELL, J. G. & SCHMIDT, A. Medieval iron and lead smelting works: a geophysical comparison	15
MURDIE, R. E., STYLES, P., UPTON, P. EARDLEY, P. & CASSIDY, N. J. Euler deconvolution methods used to determine the depth to archaeological features	35
CUSS, R. J. & STYLES, P. The application of microgravity in industrial archaeology: an example from the Williamson tunnels, Edge Hill, Liverpool	41
Environments	
LATHAM, A. G., HERRIES, A., QUINNEY, P., SINCLAIR, A. & KUYKENDALL, K. The Makapansgat Australopithecine site from a speleological perspective	61
TIPPING, R., LONG, D., CARTER, S., DAVIDSON, D., TYLER, A. & BOAG, B. Testing the potential of soil-stratigraphic palynology in podsols	79
THORNDYCRAFT, V. R., PIRRIE, D & BROWN, A. G. Tracing the record of early alluvial tin mining on Dartmoor, UK	91
Resources	
YOUNG, T. P. & THOMAS, G. R. Provenancing iron ore from the Bristol Channel Orefield: the cargo of the Medieval Magor Pill Boat	103
LAZARETH, C. E. & MERCIER, J.-C. C. Geochemistry of ballast granites from Brouage and La Rochelle, France: evidence for medieval to post-medieval trade with Falmouth, Cornwall, and Donegal, Ireland.	123
MILLARD, A. R. Geochemistry and the early alum industry	139
BUDD, P. D., LYTHGOE, P., MCGILL, R. A. R., POLLARD, A. M. & SCAIFE B. Zinc isotope fractionation in liquid brass (Cu–Zn) alloy: potential environmental and archaeological applications	147
THOMAS, G. R. & YOUNG, T. P. The determination of bloomery furnace mass balance and efficiency	155
ZAYKOV, V. V., BUSHMAKIN, A. P, YUMINOV, A. M., ZAYKOVA, E. V., ZDANOVICH, G. B., TAIROV, A. D. & HERRINGTON, R. J. Geoarchaeological research into the historical relics of the South Urals: problems, results, prospects	165
Index	177