

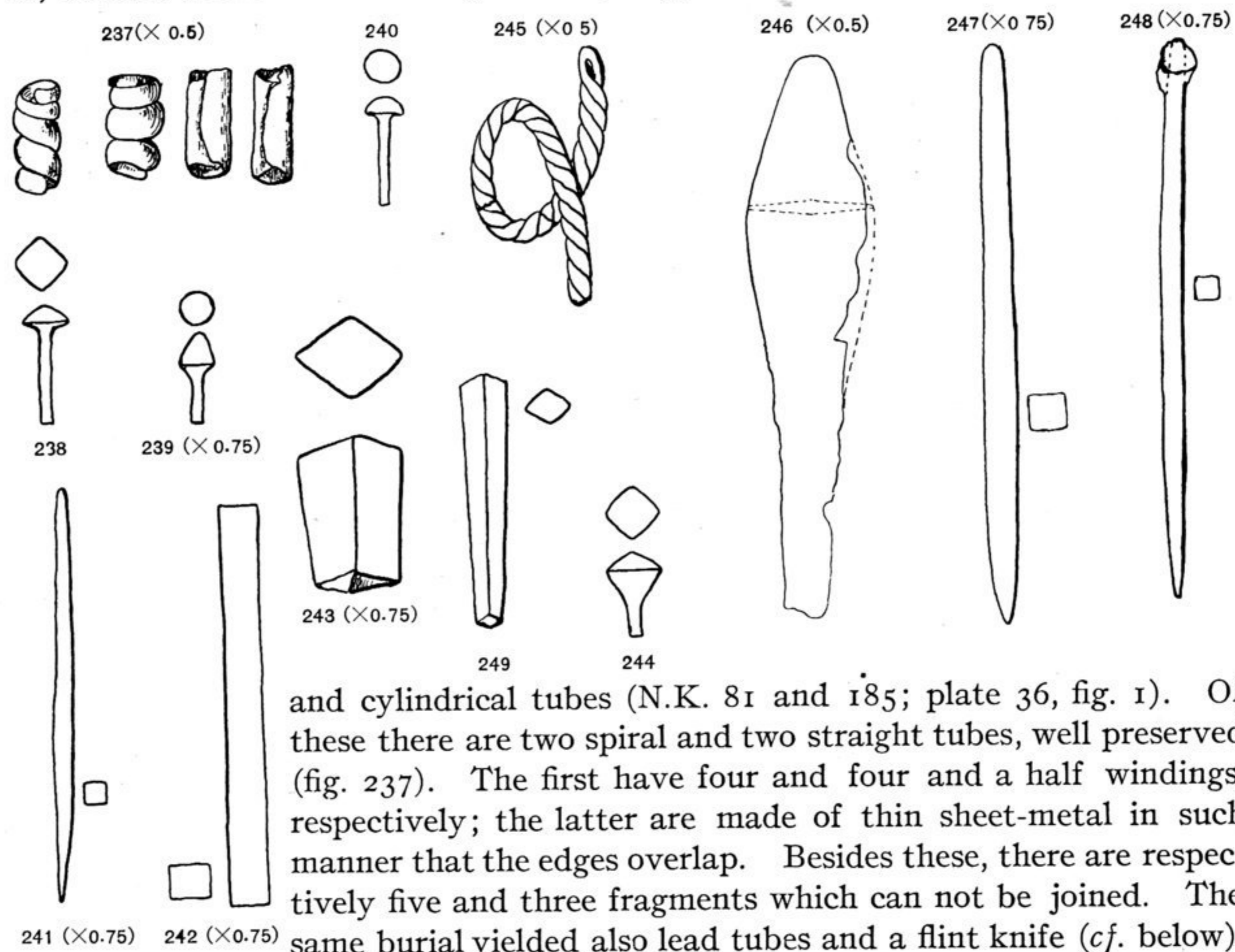
## THE MINOR ANTIQUITIES OF METAL, BONE, CLAY, STONE, AND FAIENCE.

## (a) COPPER.

FROM MIDDLE AND LOWER STRATA OF NORTH KURGAN, CULTURE I.

Ornaments and implements of copper, or fragments of such, were found in different levels of the middle and lower layers, warranting the embracing of these in one culture epoch.

*Copper ornaments.*—The burials of terrace II at +22 feet 5 inches have yielded us, besides beads and flint implements, copper ornaments in the form of spiral



and cylindrical tubes (N.K. 81 and 185; plate 36, fig. 1). Of these there are two spiral and two straight tubes, well preserved (fig. 237). The first have four and four and a half windings, respectively; the latter are made of thin sheet-metal in such manner that the edges overlap. Besides these, there are respectively five and three fragments which can not be joined. The same burial yielded also lead tubes and a flint knife (*cf.* below).

*Copper pins.*—Pins were found with heads of various forms—pyramidal, as in fig. 238, from terrace VII, between +24 feet and +22 feet 8 inches (N.K. 167; plate 36, fig. 2), or hat-shaped with round cross-section, as in fig. 239, from terrace VIII, between +22 feet 8 inches and +24 feet (N.K. 187; plate 36, fig. 4). Of doubtful connection with the older culture is a pin with a cap-shaped head (fig. 240), from the west pit of Komorof's trench (N.K. 20; plate 36, fig. 3).

*Copper implements.*—A simple punch with square cross-section (fig. 241; N.K. 98, plate 36, fig. 7) came from terrace III, between +18 and +20 feet.

The fragment N.K. 145 (fig. 242) belongs to a four-edged chisel from terrace VII, between +24 feet 2 inches and +26 feet.

Indeterminable is the piece of a four-edged bar with rhombic cross-sections (N.K. 188; fig. 243), from terrace II, between +20 feet and +20 feet 5 inches; and