




Object	SPKIII Ingot A
Object Code	SA-SPK-1
Site	Phalaborwa
Context	
Description	Look in Friede 1975 and Miller 2010
Picture	 A photograph of a dark, irregularly shaped metal ingot, likely made of iron or steel, resting on a light-colored surface. A yellow tag is attached to the ingot with a white string. The tag has handwritten text: "NICK v. d. MERWE JCT", "PHALABORWA", "SPK III", and "INGOT A". In the bottom right corner of the photograph, there is a color calibration chart with the text "IFRAO 10 cm" and a scale bar.

Catalog of samples for Southern Africa LIA Project

Object	SPKIII Ingot B
Object Code	SA-SPK-2
Site	Phalaborwa
Context	
Description	Look in Friede 1975 and Miller 2010
Picture	

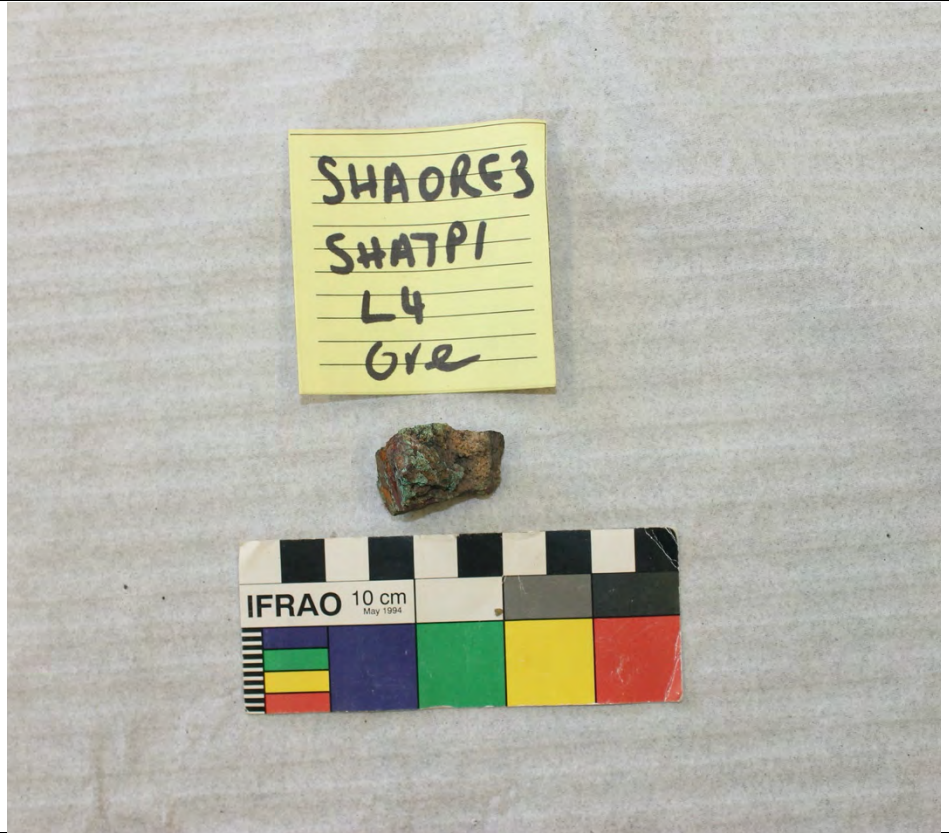
Object	Pretoria Lerale 1
Object Code	SA-LER-1
Site	Pretoria
Context	Rubbish dump
Description	Look in Friede 1975 and Miller 2010
Picture	

Object	35-185
Object Code	SA-LER-2
Site	Phalaborwa
Context	
Description	Lerale ingot
Picture	

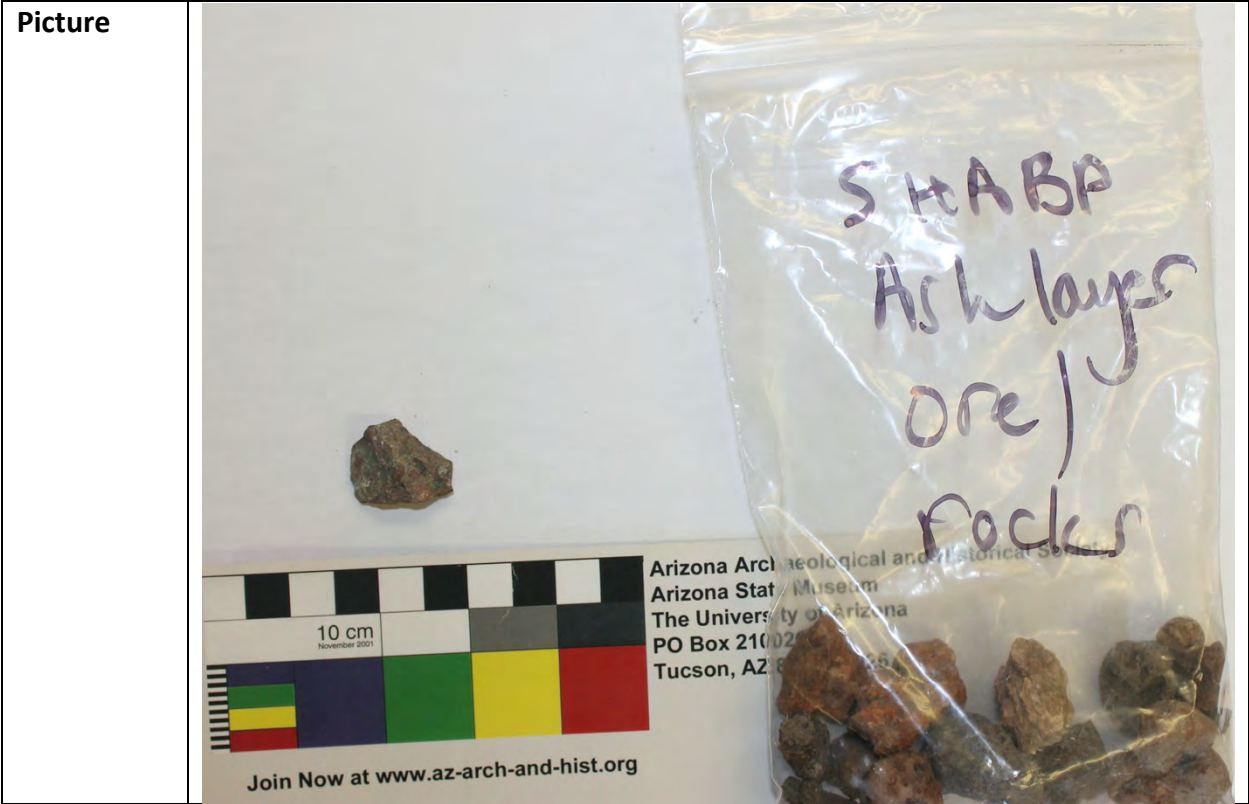
Object	SHA ore 1
Object Code	SA-SHA-1
Site	Shankare, Phalaborwa
Context	M1, L3
Description	Malachite, and possibly cuprite.
Picture	

Object	SHA ore 2
Object Code	SA-SHA-2
Site	Shankare, Phalaborwa
Context	BP
Description	2 Malachite samples in a larger bag of rocks



Object	SHA Ore 3
Object Code	SA-SHA-3
Site	Shankare, Phalaborwa
Context	SHATP1-L4
Description	Mixed Malachite hematite ore
Picture	


Object	SHA ore 4
Object Code	SA-SHA-4
Site	Shankare, Phalaborwa
Context	BP, Ash layer
Description	1 sample of malachite in a larger bag of rocks.




Object	SHA Cu Prill 3
Object Code	SA-SHA-5
Site	Shankare, Phalaborwa
Context	Midden 1, Level 7
Description	Copper prill



Object	SHA Cu Prill 4
Object Code	SA-SHA-6
Site	Shankare, Phalaborwa
Context	Midden 1, Level 3
Description	Copper prill
Picture	<p>SHAMI, L3 Cu prill / droplet.</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and His Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	SHA Cu 1
Object Code	SA-SHA-7
Site	Shankare, Phalaborwa
Context	BP-Midden, E1
Description	Copper Rod
Picture	

Object	SHA Cu 2
Object Code	SA-SHA-8
Site	Shankare, Phalaborwa
Context	SHA M1, Layer 2
Description	Copper wire
Picture	


Object	SHA Cu 3
Object Code	SA-SHA-9
Site	Shankare, Phalaborwa
Context	SHA M1, F2-2
Description	Copper wire ball
Picture	


Object	SHA Cu 11
Object Code	SA-SHA-10
Site	Shankare, Phalaborwa
Context	Midden 1, O2, L2
Description	Copper prill




Object	SHA Cu 12
Object Code	SA-SHA-11
Site	Shankare, Phalaborwa
Context	Midden 1, Level 4
Description	Copper prill
Picture	 A photograph showing two small, dark, irregular copper prills on a light-colored surface. To the left of the prills is a yellow sticky note with the handwritten text "SHAMI", "L4", and "PRILL" on separate lines. Below the prills is a color calibration chart with a scale bar. The scale bar is marked "10 cm" and "May 1994". The chart includes various colored squares (black, white, grey, red, yellow, green, blue, purple) and a ruler.

Object	SHA Cu 13
Object Code	SA-SHA-12
Site	Shankare, Phalaborwa
Context	Midden 1, Level 4
Description	Copper prill
Picture	 A photograph showing a small, dark, irregular copper prill. To the left of the prill is a clear plastic bag with handwritten text in black ink: 'SHAM1', 'L4', 'Copper', and 'prill'. Below the prill and bag is a color calibration chart with the text 'IFRAO 10 cm' and 'May 1994'. The chart includes a scale and several colored squares (black, white, grey, red, yellow, green, blue, purple, cyan, magenta). The background is a light-colored, textured surface.

Object	SHA Cu 14
Object Code	SA-SHA-13
Site	Shankare, Phalaborwa
Context	Midden 1, Level 4
Description	Copper prill
Picture	

Object	SHA Cu 15
Object Code	SA-SHA-14
Site	Shankare, Phalaborwa
Context	Midden 1, Level 3
Description	Copper prill
Picture	

Object	SHA Cu 16
Object Code	SA-SHA-15
Site	Shankare, Phalaborwa
Context	Midden 1, Level 1
Description	Copper prill
Picture	

Object	SHA Cu 19
Object Code	SA-SHA-16
Site	Shankare, Phalaborwa
Context	Midden 1, C2, Level 2, mid-1
Description	Copper rod
Picture	<p>SHAMS C2, L2 Mid 1 Metal S107/2012 ndeshi</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	MAR-59
Object Code	SA-MAR-1
Site	Vlakfontein
Context	No. 3 Shaft
Description	Malachite and weathered pyroxenite
Picture	

Object	Sample #45
Object Code	SA-MAR-2
Site	Marothodi
Context	SU25, Midden Trench 2(A), L2
Description	Malachite
Picture	<p>SU25 MID TRENCH 2(A) L2</p> <p>Copper ore</p> <p>SAMPLE #45</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	MAR-45C
Object Code	SA-MAR-3
Site	Marothodi
Context	SU25, Midden trench 2(A), L2
Description	Malachite
Picture	<p>VL / SU25 / MIDDEN TRENCH 2(A) / L2 COPPER ORE SAMPLE: MAR 45 C THIN SECTION (RESERVE)</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	MAR-45B
Object Code	SA-MAR-4
Site	Marothodi
Context	SU25, Midden trench 2(A), L2
Description	Malachite
Picture	<p>VL / SU25 / MIDDEN TRENCH 2(A) / L2 COPPER CPE SAMPLE: MAR 45 B THIN SECTION (RESERVE)</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>www.az-arch-and-hist.org</p>


Object	MAR-60
Object Code	SA-MAR-5
Site	Vlakfontein
Context	No. 3 Shaft
Description	Malachite. Not a lot of malachite visible. May not be the best sample
Picture	<p>VL / No. 3 SHAFT WEATHERED PYROXYENITE SAMPLE: MAR 60</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Soc Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p>

Object	MAR-61
Object Code	SA-MAR-6
Site	Vlakfontein
Context	No. 3 Shaft
Description	Malachite. Not a lot of malachite visible. May not be the best sample



Object	MAR-61B
Object Code	SA-MAR-7
Site	Vlakfontein
Context	SU25, No. 3 Shaft
Description	Malachite
Picture	<p>SU25 / No. 3 SHAFT WEATHERED PYROXYLITE SAMPLE: MAR 61 B THIN SECTION (RESERVE)</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Soc Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p>

Object	Sample #57
Object Code	SA-MAR-8
Site	Marothodi
Context	SU25, Furnace area 1, surface trowel
Description	Malachite
Picture	<p>SU25 FURNACE AREA 1 SURFACE TROWEL COPPER ORE</p> <p>SAMPLE # 57 EDS ?</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p>

Object	Bag 5 malachite
Object Code	SA-MAR-9
Site	Marothodi
Context	HMX, West M
Description	2 pieces of malachite
Picture	 <p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p>

Object	MAR-82
Object Code	SA-MAR-10
Site	Marothodi
Context	SU4, M3. Surface collection to the south of Malapa
Description	4 pieces of malachite
Picture	<p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p>


Object	MAR-84
Object Code	SA-MAR-11
Site	Marothodi
Context	SU4, M6. Surface collection near M6
Description	2 pieces of malachite
Picture	<p>The photograph shows two pieces of malachite on a white surface. One is a larger, irregularly shaped piece with a dark green, crystalline texture, and the other is a smaller, more rounded fragment. To the right is a clear plastic bag with handwritten text in black ink: "M/SU4/M6", "SURFACE COLLECTION FROM THE VICINITY OF M6", "COPPER ORE-BEARING FOSSIL", and "SAMPLE: MAR 84". Below the specimens is a metric ruler showing a 10 cm scale and a color calibration strip with various colored squares. In the bottom right corner of the photo area, there is a printed label for the Arizona Archaeological and Historical Society, Arizona State Museum, The University of Arizona, PO Box 210026, Tucson, AZ 85721-0026. At the very bottom of the photo area, there is a small URL: "Join Now at www.az-arch-and-hist.org".</p>

Object	VLA Cu #1
Object Code	SA-MAR-12
Site	Marothodi
Context	Central area: SU1, KG2, M1; Feature 5 Block D, Layer 1
Description	2 Copper earrings. Both have nick exposing Cu, color is reddish orange (no to very low tin)
Picture	<p>The photograph shows two small, dark copper earrings with a hook-like shape. To their right is a label with the following text: UNISA:...Vlakfontein 207 JP, Central/SU1/KG2/H1, Feature: 5 block D, Layer: 1, Depth: , Contents: Jewellery - earrings, Copper, Date: 2003/07/07. Below the earrings is a 10 cm scale bar and a color calibration chart. The bottom right of the image contains the text: Arizona Archaeological and Historical, Arizona State Museum, The University of Arizona, PO Box 210026, Tucson, AZ 85721-0026. At the very bottom, it says: Join Now at www.az-arch-and-hist.org</p>

Object	VLA Cu #2
Object Code	SA-MAR-13
Site	Marothodi
Context	Central area: SU1, KG2, M1; Feature 1, layer B3 (depth: hut floor)
Description	Copper earring. Has nick exposing Cu, color is reddish orange (no to very low tin)
Picture	<p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p>

Object	VLA Cu #14 and #15
Object Code	SA-MAR-14 and SA-MAR-15
Site	Marothodi
Context	Central area: SU1, KG2, M1; Feature 5, layer 1 (surface of floor; depth: 5cm)
Description	5 Copper earrings. All 5 have nick exposing Cu, color for 4 is reddish orange (no to very low tin) one is yellowish indicating a bronze. We are interested in sampling one of the copper earrings and the bronze earring.





Object	GSM Sample #1
Object Code	SA-KSM-1
Site	King Solomon's Mine
Context	GSM 1
Description	3 pieces of malachite
Picture	 <p>Malachite ore in schist from GSM 1 # (King Solomon's Mine)</p> <p>10 cm</p> <p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>


Object	GSM Sample #2
Object Code	SA-KSM-2
Site	King Solomon's Mine
Context	GSM 3. European prospectors' shaft on Mon Desir.
Description	Malachite




Object	KSM Sample #1
Object Code	SA-KSM-3
Site	King Solomon's Mine
Context	KSM 1
Description	Malachite
Picture	<p>Malachite ore KSM-1 Coraellote disto</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	KSM Sample #2
Object Code	SA-KSM-4
Site	King Solomon's Mine
Context	
Description	Malachite and Azurite
Picture	 <p>Arizona Archaeological and Historical Soc Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>10 cm November 2001</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	KSM Sample #3
Object Code	SA-KSM-5
Site	King Solomon's Mine
Context	
Description	Malachite and Azurite
Picture	

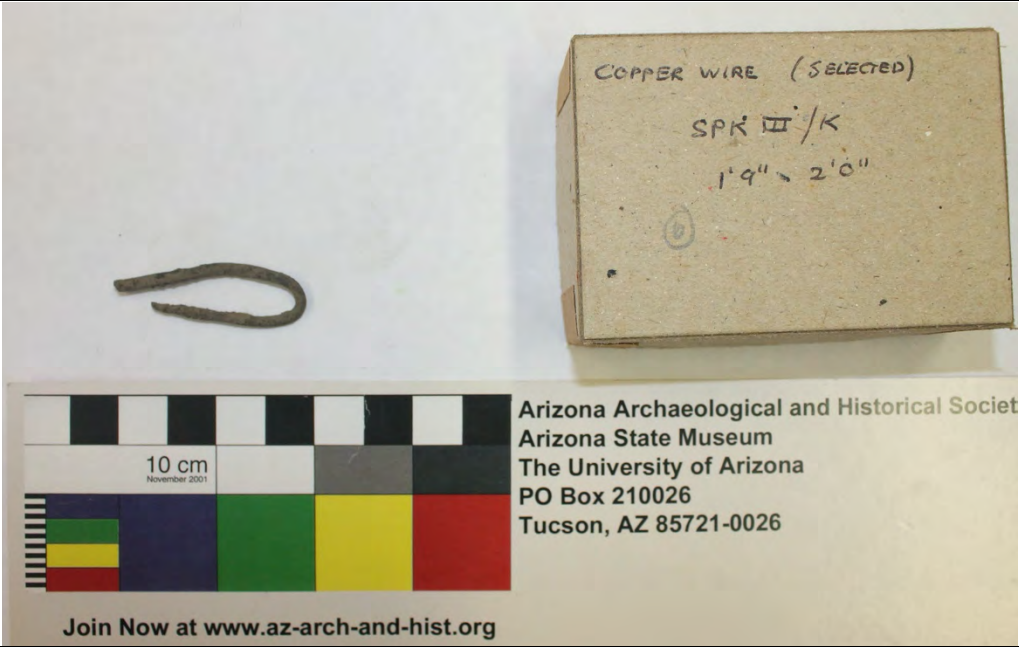
Object	KSM Sample #4
Object Code	SA-KSM-6
Site	King Solomon's Mine
Context	
Description	Malachite and Azurite
Picture	


Object	KSM Sample #5
Object Code	SA-KSM-7
Site	King Solomon's Mine
Context	
Description	Malachite and Azurite. 9 samples in this bag.
Picture	 <p>The photograph shows nine mineral samples of varying sizes and shapes, arranged on a white background. The samples exhibit green and blue-green hues, characteristic of malachite and azurite. A 10 cm scale bar is visible at the bottom left, and a color calibration chart is at the bottom center. The text at the bottom right identifies the institution as the Arizona Archaeological and Historical Society, Arizona State Museum, The University of Arizona, PO Box 210026, Tucson, AZ 85721-0026.</p>

Object	24-6-08
Object Code	SA-DIT-1
Site	Dithakong
Context	LIT, HS3: Midden 1 surface
Description	Copper earring.
Picture	

Object	2/7/08
Object Code	SA-DIT-2
Site	Dithakong
Context	LIT, HS3: Midden 1, D14
Description	Curved, squarish rod. Nick on edge is reddish-yellowish.
Picture	 <p>LIT 2JULY08 HS3 MIDDEN 1 DIT METAL JED</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Laboratory Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p>

Object	SPK Cu 1
Object Code	SA-SPK-3
Site	SPKIII, Phalaborwa
Context	Trench CD, on floor 1'6"
Description	2 pieces of copper wire
Picture	<p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	SPK Cu 2
Object Code	SA-SPK-4
Site	SPKIII, Phalaborwa
Context	Trench K, 1'9" – 2'0"
Description	Copper wire
Picture	 <p>The photograph shows a small, dark, U-shaped copper wire object on a white surface. To its right is a small, rectangular cardboard box with handwritten text: "COPPER WIRE (SELECTED)", "SPK III / K", and "1'9\" - 2'0\"". Below the object and box is a 10 cm ruler and a color calibration chart. The ruler is marked "10 cm" and "November 2001". The color chart consists of several colored squares. At the bottom of the image, there is text: "Join Now at www.az-arch-and-hist.org".</p> <p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	SPK Cu 3
Object Code	SA-SPK-5
Site	SPKIII, Phalaborwa
Context	Trench 7, 60'-70'/6"-12"
Description	Copper wire
Picture	

Object	SPK Cu 4
Object Code	SA-SPK-6
Site	SPKIII, Phalaborwa
Context	Trench A, 6"-1'0"
Description	Copper wire
Picture	<p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	SPKIII - 14
Object Code	SA-SPK-7
Site	SPKIII, Phalaborwa
Context	Exc. Unit 12, 6"-12"
Description	Copper rod
Picture	<p>1 COPPER ROD Exc. UNIT 1.2 6"-12" SPK III - 14 6.98g</p> <p>Arizona Archaeological and Historical Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>10 cm November 2001</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	SPKIII - 12
Object Code	SA-SPK-8
Site	SPKIII, Phalaborwa
Context	Exc. Unit 12, 6"-12"
Description	Copper wire
Picture	<p>SPK III - 12 1 WIRE COPPER EXC. UNIT 12 6"-12" 4.44g</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Soc Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	SPKIII – 5
Object Code	SA-SPK-9
Site	SPKIII, Phalaborwa
Context	Trench H, 1'2"
Description	Copper ring
Picture	<p>SPK III S.</p> <p>SPK III H</p> <p>1'2</p> <p>1 piece copper wire</p> <p>COPPER RING ROUND WIRE</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	SPKIII – 4
Object Code	SA-SPK-10
Site	SPKIII, Phalaborwa
Context	Trench A-1, On floor
Description	Square copper loop
Picture	<p>SPK III A-1 on floor A1-1 copper wire</p> <p>COPPER LOOP, SQUARE WIRE 1,266</p> <p>SPK III 19th - 20th century</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	SPKIII - 3
Object Code	SA-SPK-11
Site	SPKIII, Phalaborwa
Context	Trench 9, 1'9" on floor, pieces 2'11"
Description	Copper nodules
Picture	<p>SPK III</p> <p>SPK III 9</p> <p>1'9" - on floor</p> <p>pieces 2'11"</p> <p>sm. sized copper</p> <p>2 COPPER NODULES</p> <p>2726</p> <p>10 cm November 2001</p> <p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	MN Sample #1
Object Code	SA-NAG-1
Site	Nagome, Phalaborwa
Context	MN5, House 1
Description	Squarish wire with reddish orange metal showing through.
Picture	<p>Arizona Archaeological and Historical Society Arizona State Museum The University of Arizona PO Box 210026 Tucson, AZ 85721-0026</p> <p>Join Now at www.az-arch-and-hist.org</p>

Object	MN Sample #2
Object Code	SA-NAG-2
Site	Nagome, Phalaborwa
Context	MG74, 8u, Hut 22+23
Description	Copper ring
Picture	

Object	M.1939
Object Code	SA-MAP-1
Site	Mapungubwe
Context	Block 5 Section 1 (3.20.7 – unclear what this means)
Description	Small sample from Mapungubwe plano-convex ingot
Picture	