

Sutton: colour transparencies (35mm) 1960s-1990s, selected and scanned 2016

Interlacustrine mid-Iron Age sites

ref. Sutton with Andrew Reid, *Ntusi*: ms intended for BIEA memoir series but, with some sections remaining incomplete by 2000, deposited at BIEA and available for perusal. For summary account: *Ntusi and Bigo* in *Azania* XXXIII, 1998 (or as BIEA separate reprint, 2000).

Bigo

- 1 air-photo (b/w): Uganda Survey (copy attrib. G. Mathew)
- 2 ditch in central area: 1960 (M. Posnansky)
- 3 " " 1964
- 4 " " 1985

Kasonko

- 5 Mound 1996

Ntusi

- 6 'female' mound, top 1987
- 7 'male' mound, start of excav. (by A.R.) 1988
- 8 " view from 9-10-12-13 *bwogero* views 1985-1999

Munsa

- 14 earthwork bank 1964

Mubende Hill

- 15-16 'witch-tree' shrine 1989m W 1999

Sirikwa 1962-4, 1985-7

ref. BIEA Memoir 3, 1973: *Archaeology of Western Highlands of Kenya*; for later work, *Azania* XXII, 1987 (Hyrax Hill); XXVIII, 1993 (Deloraine); for synopsis, *Azania* XXXIII, 1998: *Hyrax Hill and the later archaeology of the central Rift Valley* (separate reprint, 2000).

General

- 17 Sirikwa hollow: Kabiyet (N Nandi) 1964
- 18 " " Kapkaimor (N Nandi) 1962
- 19 " " v large example: Kablong (near Chemagel, Sotik) 1964

Muringa (Moiben, N Uasin Gishu), excav. 1963/4 (NB: ranging rods in feet)

- 20 Area B, SH9: revetment wall of hollow, interior
- 21 Area A: SH2 during excav: view across hollow to entrance enclosure
- 22 Area A, SH1: foundation of house in back annexe

Chemagel (Sotik), excav. 1964 (NB: ranging rods in feet)

- 23 downward view across hollow from back: excav. nearly complete, entrance passage and flanking mounds in distance; house 1 at fore

- 24 view across hollow, with house 2 outside the stockade foundation trench
- 25 house 1
- 26 house 2
- 27 SH entrance from inside
- 28 cutting through approach passage and flanking mounds (mud and dung)

Hyrax Hill, Site II 1985

- 29 Hyrax Hill from east (1999)
- 30 Hollow C (excav. and refilled 1938, M.D. Leakey): photo 1985, after vegetation cleared
- 31 Hollow D, excav. 1965 by Ron Clarke for K Museums for display (photo 1966)
- 32 same: 1985 – fence line crumbling but still discernible
- 33 " " " " close-up
- 34 Hollow F, excav. 1985
- 35 " " trench and supports for fence/stockade (N side)
- 36 " " house 1
- 37 " " " " close-up
- 38 " " house 3

Deloraine (Rongai), Site III 1987

- 39 SH1 during excav: view from below eroded entrance
- 40 " house at side

Misc.

- 41 Lanet: W side, looking N: mounds and hollows 1998
- 42 Kapkures (Fort Ternan): Cairn 3 (pre-Sirikwa) cleared before excav., 1963

Engaruka 1963-2000

ref. (and for sections following): *Engaruka: an irrigation agricultural community....*, in *Azania* XXXIII (or BIEA separate reprint 2000), with bibliography. See also *Azania* XXIV (1989): *History of African Agricultural Technology and Field Systems*; and M. Widgren and J.E.G. Sutton, *Islands of Intensive Agriculture in Eastern Africa* (2004).

General

- 43 Rift Escarpment, Engaruka Gorge, Lolmalasin from E 1999
- 44 " " " " (w/a) 1972
- 45 Escarpment with Makuyuni gorge, N field area to fore 1972
- 46 " " " (w/a) "
- 47 Escarpment and Engaruka River's gorge (right): view from hill above school 1982
- 48 Engaruka river, below main gorge 1995
- 49 Field terraces, S of river, looking NNW to escarpment 1963
- 50 Intermediate N gorge 1982
- 51 Field divisions: view SE from northmost village (N side 'intermediate' gorge) 1972
- 52 Same view 1996 NB: increase of thornbush
- 53 River course, Engaruka basin, Kitumbeine: view from escarpment 1999
- 54-55 Oldonyo Lengai from E 1984, 1988

Details of archaeological features

- 56-58-60-62 S fields, stone-divided fields and feeder furrows 1990s (175: 1982)
- 63 Stone-lined artery furrow, central fields S of river 1963
- 64 Stone embankment for raised canal (?), S-central fields 1972

- 65 Stone-embanked canal (?), S-central fields 1999
- 66 Escarpment canal, led from Olemelepo, nearing southmost village 1972
- 67 Terrace/parallel canal with sluice below main escarpment canal, N-cent. 1996
- 68 Raised embankment ('causeway') carrying top N canal across gap in hills 1982
- 69 Lolchoro fields 1999
- 70-72 Faced cairns in central/S-cent. field area 1972,1982,1986

Related sites

- 73 Enguroto (Lake Natron, SW side), lake and Gelai in background 1984
- 74 " " " 1986
- (NB: visible archaeological field lines mostly destroyed by cultivation, c1990)
- 75 Enguroto: spring, source of furrow 1984
- 76 Oldogom (Lake Eyasi NE), main and branch furrows 1972
- 77 " same 1990s
- 78 " Gisamajeng Tatoga cattle

Mangola

- 79-80 modern irrigation (onions esp.) 1990s

Sonjo

Oldonyo Sambu village 1972, before destruction for *ujamaa kijiji* 'villagisation', 1974

- 81 Irrigated fields in valley
- 82 Village from distance
- 83 Village gate (outer side)
- 84 House on stone platform

Kisangiro

- 85 Irrigated fields in basin; main furrow line above river on far side 1972

Sale

- 86 Extensive sorghum field, fed by seepage from part-channelled river 1986

Digo Digo Juu

- 87 Turi quarter: potter 1972

Elgeyo escarpment and Marakwet 1962/3 (+ Chesoi 1998)

Tambach and southward

- 88 view S from Tambach along escarpment
- 89 escarpment and Torok fall
- 90 Tambach: terraces on escarpment
- 91 " (below Dist. HQ): excav. through series of field walls (March 1963)

Chesoi: views of settlement and field patterns

- 92-93 1962 (after new settlement/lands and agric. dept. initiative)
- 94-95 1998

Tot (Endo) irrigation: Dec.1962 (after ALDEV interventions/renovations)

- 96 Parallel furrows on N side of Embobut (view across gorge)
- 97 Embobut fall, S side: improvised dam and furrow offtake

- 98 Furrow course along escarpment face
- 99 Embanked furrow rounding re-entrant
- 100 Furrows crossing
- 101 Furrow entering maize field, Tot

Konso (S Ethiopia): stone-terrace cultivation late 1984

- 102 sorghum on terraces, some harvested
- 103 sorghum on terraced field divisions
- 104 sorghum, 'cabbage' (fodder) trees, path through terraced fields
- 105 cattle (stall-fed) being led to water

Nyanga (E Zimbabwe): archaeological terracing etc 1982, 1987

(*ref.* Robert Soper, *Nyanga: ancient fields.....* , BIEA Memoir 16, 2002)

- 106 South of Mt. Melloray
- 107 Muozi: W foot
- 108-110 Maristvale
- 111-112 Muozi foot: path through terraces
- 113 South of Mt. Melloray: " "
- 114-115 Bepe (SE of Nyanga town): former furrow on hillside
- 116-117 Udu valley (SW of Nyanga town): *mihomba* ridges in damp valley (recent?)
- 118 NP West, W of Inyangani, furrow on landscape (*cf* Randall-McIver 1906)

Field features – existing, recent – miscellaneous

- 119-120 Ubena (Tanzania, S highlands): preparing *matuta* 1968
- 121 Matengo (S Tanzania): 'pit' cultivation " "
- 122 Irangi (central Tanzania): *matuta*, sweet potatoes 1963
- 123 Tula (NE Nigeria): terraced fields, pearl millet after harvest 1975
- 124 Cham (NE Nigeria): stone-revetted fields 1975
- 125 Rop (Jos plateau): ridges after harvest late 1983
- 126 Nok (central Nigeria): cattle on stubble " "
- 127 Nuba Hills (N of Kadugli): terraces 1986

Crops, livestock (random photos)

- 128 wild *enset*: Koiparak, Nandi 1964
- 129-130 cultivated *enset*: Kafa (SW Ethiopia) 1966
- 131 bananas: Ntusi 1988
- 132-133 sorghum: Ntusi 1986
- 134-135 Ankole cattle: Ntusi-Bigo road 1985

Salt: archaeological and ethnographic workings

- 136-138 Saja (Sangu plains): preparing salt from salty soil 1968
- 139-140 Ikoga ("): filtering ash solution for *magadi* (cooking soda) 1968
- 141 Kibiro (Lake Albert, E shore): saltworks 1990

142-143 Uvinza: excav. Pwaga salt-spring: stratigraphy and clay brine(?) tanks 1967

Iron: furnaces, forges etc: Tanzania mid-late 1960s

See 'Local industries in Tanzania' in *Kale* 1, 1972: (magazine of UDSM branch of Historical Assoc. Tanzania); also R. Haaland and P. Shinnie, *African Iron Working: ancient and traditional* (Oslo 1985).

- 144 Fipa (SW Tanzania): chimney furnace – built and used 1940s (?), photo 1966
- 145 Fipa: built for experiment and recording, 1967, Village Museum, Dar es Salaam
- 146 Bena (Southern Highlands, Tanzania): pit-and-shaft furnace at Igoma
- 147 Bena " " " " " at Ndembwe
- 148 Kinga " " " " " at Tandala
- 149-150-153 Bena: magnetite source at Lumeke – collecting and washing ore in stream below
- 154-155 Bena: forge at Igoma
- 156 South Pare: forge
- 157 Uvinza "

East African house types mostly 1960s

- 158 Kipsigis south, Chepalungu
- 159 Nandi central
- 160 Marakwet, SW of Kaisungurr
- 161-162-164 " Chebororwa (gourds and pots: 162)
- 165 " platform homestead on lower escarpment
- 166-167 Okiek, Mau forest (C. Kratz 1985; *cf* Sirikwa, Hyrax Hill Site II?)
- 168 Maasai, Oldonyo Nyuki (Oldonyo Nyuki/Suswa N slope)
- 169 Kurya: multi-homestead with central cattle enclosure (*cf* Sirikwa) 1989
- 170-172-173 Mbugwe
- 174 Goroa
- 175-177 Iraqw, Kainam: *msonge* round houses
- 178-180-183 " S and SE Mbulu dist.: semi-subterranean *tembe* houses, inhabited and abandoned (*cf* Leakey explanation of Sirikwa hollows)
- 184 Mbulu town, pottery
- 185-186 Tatoga (Barabaig?), S Mbulu dist.: *tembe* house, Iraqw style, front and back
- 187 Rangi
- 188-189 Sebei, Benet, Elgon N side, upper forest/moorland transition: flat roofs
- 190 Gisamajeng Tatoga, Oldogom, NE Lake Eyasi
- 191-192 Sandawe (Mangasta)
- 193 Gogo
- 194-195 Hehe, east
- 196-197 Sangu
- 198-199 Nyamwezi, south
- 200 Uvinza town
- 201-202 Fipa Juu
- 203 Poroto
- 204-205 Ngoni, near Songea
- 206 Luguru, east

Village Museum, Dar es Salaam 1967

- 207 Nyamwezi

- 208 Nyakyusa
- 209 Chagga
- 210 Haya: construction nearly complete
- 211 same, completed 1969

East African coast: Swahili 'ruin' sites
Kilwa 1962 excavations and later visits

- 212 Kilwa island: air-photo from N: harbour and ancient town to fore (HNC c1960)
- 213 Kilwa: Makutani, Gereza etc from air (HNC c1960/1)
- 214 Great Mosque from E 1962
- 215 " " SW after restoration (HNC 1960/1)
- 216 Great Mosque: old (flat-roofed) mosque at N as excav. (HNC 1965)
- 217 " arched/domed extension, interior 1965
- 218 " " " "
- 219 " " " 1996
- 220 Small Domed Mosque 1965
- 221 Husuni Kubwa: overall view (HNC 1961)
- 222 " " palace court etc, as cleared 1962
- 223 " " reception court (HNC 1961)
- 224 " " bathing pool 1962 (after excav.)
- 225 Mafia coin hoard (Kilwa type: Ali b al-Hasan, copper) and sgraf. pot
- 226 Kilwa copper coin, al-Hasan b Sulaiman, found Great Zimbabwe (T. Huffman)
- 227 Kilwa gold, 24mm (obv), al-Hasan b Sulaiman, 1320s, N Zanzibar island (Helen Brown)
- 228 " (rev) " " " "

Other coastal sites

- 229 Songo Mnara 'palace': interior 1962
- 230 " "
- 231 Kaole N Mosque 1965
- 232 " S Mosque 1965
- 233 " tombs 1966
- 234 Tongoni mosque 1963
- 235 Gedi houses 1963
- 236 " Great Mosque 1963
- 237 Shanga Great Mosque: Horton's excav. 1986/7

Early Stone Age, palaeontology, MSA sites etc

- 238 Fort Ternan (Fred Wicker's/Louis Leakey's) Miocene site 1963
- 239 Olduvai Gorge, third fault from N, view to Lemagrut 1963
- 240 " side gorge 1972
- 241 " Zinj site in Bed I 1965
- 242 Olorgesailie: Glynn Isaac's main excav. 1963
- 243-246 Isimila: eroded channel and ESA tools 1966/68/70
- 247-248 Apis Rock (Nasera)
- 249 Ngorongoro Crater 1972
- 250 " Kimba valley pseudo-dams and cattle tracks 1972 (*Azania* VIII)
- 251 Sanjan gorge 1984

252 **Africa: continental map**, physical with political boundaries, 1980s **Not deposited with**
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