A List of Southeast Asian Radiocarbon Dates, Part 1: Indonesia

by Bennet Bronson and Ian Glover

Introductory Note

This list is the first of a series that will appear in the next few issues of the SPAFA Digest.

The C-14 dates tabulated here are based on all published data of which the compilers are aware and on much unpublished data as well. Several specialists have checked through this or provided information. These include G.J. Bartstra, Peter Bellwood, Binky Dalupan, Bob Ehrich, John Hastings, Chui-Mei Ho, W. T. Mook, R.P. Soejono and Joyce White. Many omissions and errors undoubtedly remain, however. The compilers take responsibility for these.

Unpublished dates for Gilimanuk were provided by the National Center for Archaeology Indonesia and the Biological-Archaeological Institute in Groningen.

Sites are listed alphabetically within each subdivision; dates for each site are arranged chronologically. The "period" is that indicated by the objects found in association with the sample, not necessarily the one that makes most sense in view of the date. The comments are, as far as possible, the excavator's own.

Dates in the "BP" column are in years before present and use the 5568 half-life. Dates in the "BC/ AD" column have been corrected or "calibrated" according to tree ring-based correction factors. As presented, these have a standard deviation of one sigma except when marked with a star, when they have a s.d. of two sigma. The one sigma calibrations are based on as-yet unpublished tables distributed by Henry Michael in April 1982. The starred two sigma calibrations are those published by Jeffrey Klein et al. in 1982 in *Radiocarbon* vol. 24, no. 2.

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Site Lab.no. Date BP Date BC/AD Period Page

INDONESIA (CENTRAL) Batu Edjaja 1. Sulawesi Selatan,

ANU-392 920+275

Pre-Metal Ceramic

Mulvaney & Soejono 1970:30. Charcoal. 1st cave, depth of 75 cm., assoc. with points, flakes, backed blades, & pottery said to be related to Kalanay tradition.

805-1380 AD

Batu Edjaja 2. Sulawesi Selatan.

ANU-393 -+- (modern) not clear. Mulvaney & Soejono 1970:30. Charcoal. 2nd cave, with microliths, arca shell-impressed sherds, and 19th century coins.

Leang Burung 1. Sulawesi Selatan. ANU-390 3420+400 2320-1325 BC

Pre-Metal Ceramic.

Mulvaney & Soejono 1970:31. Charcoal. From trench outside cave, at depth of 150 cm., assoc. with stone tools and pottery.

ANU-391 2820+210 1335-795 BC Pre-Metal

Ceramic. Mulvaney & Soejono 1970:31. Charcoal (7). From trench inside cave, at depth of 270 cm, assoc. with stone tools and pottery.

Leang Burung 2. Sulawesi Selatan. GRN-8649 31260+330

Later 37 Lithic.

Glover 1981:16. Shell (freshwater). Cave, Layer II. Levallois flakes and points. For all LB2 shell dates, subtract 1300-1500 years (see ref.).

GRN-8292 28150+200	Later Lithic.	38
Glover 1981:16. Shell (freshwater). flakes & points, fauna, molluscs.	Layer IV-V.	Levallois
GRN-8650 26650+200	Later Lithic.	39

Glover 1981:16. Shell (freshwater). Layer IV. Levallois flakes & points, fauna, molluscs.

GRN-8293 23300+140	Later	40
	Lithic.	

Glover 1981:16. Shall (freshwater). Layer V. Flake industry with Levallois technology, much fauna, many molluscs.

BM-1493	20150+250	Later	41
		Lithic.	

Site Lab. no. Date BP Date BC/AD Period Page RC 1982:247, Glover 1981:16. Shell (freshwater). Trench 10, Sq D, Spit 19, Layer Illa. 'Broadly consistent with other dates for shell from LB2'. 1-9096 1665+80 225-460 AD Later 42 Lithic (?) Glover 1981:16. Charcoal. From scatter above base of sterile red earth that seals prehistoric deposits. 1-9891 1275+135 595-895 AD 43 Later Lithic(?) Glover 1981:16. Charcoal, From base of sterile red earth that seals prehistoric deposits. Ulu Leang 1. Sulawesi Selatan. GRN-8648 10740+50 Later 44 Lithic. Glover, pers. comm. Shell (freshwater). Cave, Sq. FG 7 south, Layer II, shell sample 1. With small flake & blade tools. GRN-8290 10560+50 45 Later Lithic. Glover, pers. comm. Shell (freshwater). Sq. C7 north, Layer II, shell sample 5. With small flake & blade tools, pig. GRN-8647 8895+50 Later 46 Lithic. Glover, pers. comm. Shell (freshwater). Cave: Sq. FG 7 south, Layer VII, shell sample 5. Anomalously old for this square. GRN-8291 8785+45 47 Later Lithic. Glover, pers. comm. Shell (freshwater). Sq. J 6 south, Layer IV/V, 80-90 cm, from surface. With flake & blade tools. ANU-606 7170+650 48 Later Lithic. Glover 1976:21. Charcoal. Sqs. C 6 & 7(13-14), Layer I/II, depth 110 cm. Below backed blade/microlith/pottery level. ANU-394 5740+230 4920-4415 BC Later 49 Lithic. Mulvaney & Soejono 1970:32. Charcoal. Cave: Sq. C 2(5), Layer VII, depth 50 cm. Below backed-blade/microlith/pottery level. PRL-231 4390+110 3355-2910 BC Pre-Metal 50 Ceramic Glover 1976:21. Charcoal. Sq. C 2(3), Layer VII-2, depth 20-30 cm, Layer I? With microliths, pottery. HAR-1734 4050+90 2870-2525 BC Pre-Metal 51 Ceramic. Glover, pers. comm. Charcoal. Cave, from cemented breccia on wall, 'Should represent a late phase'. PRL-230 3550+130 2160-1700 BC Pre-Metal 52 Ceramic. Glover 1976:21, Charcoal, Cave: Sq. C 2(2), Layer VII-2, depth 10-20 cm. Assoc. site microliths, pottery, domesticated rice. SUA-1080 1490+210 310-655 AD Pre-Metal 650 Ceramic. 1. Glover, pers. comm. Charcoal. From hearth in J 9 (7-8) with small flake tools, bone, shell, domesticated rice. Contaminated?: should be ca. 4000 BC. INDONESIA (NORTH) Leang Balangingi, Talaud Is., Sulawesi Utara. ANU-1714 950+130 895-1240 AD Iron Age. 53

Bellwood 1978:278, Charcoal. From 20-30 cm, level, assoc with Leang Buidane-like ceramics and (intrusive?) glazed chinese sherds.

Le					
	ANU-1516 Bellwood	510+80 1978al. Colle	ulawesi Utara. 1325-1450 AD cted from scatter purials with brom	in top	
Le		lane'e, Talaud 4860+130	ls., Sulawesi Utara 3865-3500 BC	Later	55
			ell (Turbo). Top of lade industry.	Lithic, f Layer 3, T	rench H9.
	ANU-1515	4030+80	2800-2520 BC	Later Lithic,	56
Bellwood 1978:261, Charcoal. Base of Layer 4, P/Q sector. Dates 1st appearance of pottery at site.					
	Bellwood		895-1200 AD harcoal. Lower p Metal cultural peri		57 er 2, P/Q
	ANU-1716 Bellwood 1 by deep pit	1978:261, Ch	1325-1435 AD arcoal. Trench H9	not clear. , from area	
		1978. Charco	1430-1620 AD al. Upper part o at from pre-metal p		
		1978:261. Ch	1530-1800 AD harcoal, Upper pa ht from pre-metal p	rt of Layer	
Pa	so. Sulawesi ANU-1517	Utara. 7530+450		Later Lithic.	61
			arcoal, Upper lens with obsidian.	and the second	16 within
	ANU-1518	7360+310		Later Lithic.	62
Bellwood 1978:246. Charcoal. Lens in trench C16 near base of preceramic shell midden, with obsidian.					
	NESIA (SO	итн)			
	NESIA (SO limanuk, Ba GrN-7129		195 BC-65 AD	Bronze	654
	limanuk. Ba GrN-7129	li. 2020+165		Age.	
	limanuk, Ba GrN-7129 W.G. Moo cemetery s	li. 2020+165 ok & R.P. S site, apparent	195 BC-65 AD oejono, pers. cor ly without iron. S h beads, pottery.	Age. nm, Charco	al;. Open
	limanuk. Ba GrN-7129 W.G. Moc cemetery s spit 6, 70 c	li. 2020+165 ok & R.P. S site, apparentl cm. Assoc, wit	oejono, pers. cor ly without iron. S	Age. nm, Charco	al;. Open
	limanuk, Ba GrN-7129 W.G. Moc cemetery s spit 6, 70 c GrN-7130 W.G. Moo	li. 2020+165 sk & R.P. S site, apparentl cm. Assoc. wit 2000+70 sk & R.P. So are A, spit 8,	oejono, pers. cor ly without iron. S h beads, pottery.	Age, nm. Charco ector XXII, Bronze Age, m. Charcoa	oal;. Open square B, 655 17. Sector
	limanuk, Ba GrN-7129 W.G. Moc cemetery s spit 6, 70 c GrN-7130 W.G. Moo XXII, squa bronze frag	li. 2020+165 sk & R.P. S site, apparentl cm. Assoc. wit 2000+70 sk & R.P. So are A, spit 8,	oejono, pers. cor ly without iron. S h beads, pottery. 155 BC-40 AD bejono, pers. com	Age, nm. Charco ector XXII, Bronze Age, m. Charcoa	oal;. Open square B, 655 17. Sector
	limanuk, Ba GrN-7129 W.G. Moc cemetery s spit 6, 70 c GrN-7130 W.G. Moo XXII, squa bronze frag GrN-7131 W.G. Moo	li. 2020+165 ok & R.P. S site, apparentl cm. Assoc. wit 2000+70 ok & R.P. So are A, spit 8, gments. 1965+50 ok & R.P. So	oejono, pers. cor ly without iron. S h beads, pottery. 155 BC-40 AD Dejono, pers. com 90 cm. With bead	Age. nm. Charco ector XXII, Bronze Age. m. Charcoa ds, pottery, Bronze Age. am. Charcoa	655 655 656 656
	limanuk, Ba GrN-7129 W.G. Moc cemetery s spit 6, 70 c GrN-7130 W.G. Moo XXII, squa bronze frag GrN-7131 W.G. Moo XXII, squa	li. 2020+165 sk & R.P. S site, apparentl cm. Assoc. wit 2000+70 sk & R.P. Sc are A, spit 8, gments. 1965+50 sk & R.P. Sc ire A, spit 11,	oejono, pers. cor ly without iron. S h beads, pottery. 155 BC-40 AD bejono, pers. com 90 cm. With bead 33 BC-55 AD bejono, pers. com	Age. nm. Charco ector XXII, Bronze Age. m. Charcoa ds, pottery, Bronze Age. am. Charcoa	655 655 656 656
	limanuk, Ba GrN-7129 W.G. Moo cemetery s spit 6, 70 c GrN-7130 W.G. Moo XXII, squa bronze frag GrN-7131 W.G. Moo XXII, squa GrN-7127 W.G. Moo	li. 2020+165 bk & R.P. S site, apparent cm. Assoc. wit 2000+70 bk & R.P. Sc are A, spit 8, gments. 1965+50 bk & R.P. Sc re A, spit 11, 1940+115 bk & R.P. Sc	oejono, pers. cor ly without iron. S h beads, pottery. 155 BC-40 AD bejono, pers, com 90 cm. With bead 33 BC-55 AD bejono, pers. com 120 cm. With pott	Age. nm. Charco ector XXII, Bronze Age. m. Charcoa ds, pottery, Bronze Age. im. Charcoa ery, bone. Bronze Age. m. Charcoa	655 655 17. Sector bone, and 656 al? Sector 660 17. Sector

Age.

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Site Lab.no. Date BP Date BC/AD Period Page W.G. Mook / R.P. Soejono, pers. comm. Charcoal?. Sector XXII, square C, spit 15, 160 cm. With pottery, bone. GrN-7128 1859+55 30-225 AD Bronze 661 Age W. G. Mook & R.P. Soejono, pers. comm. Charcoal?. Sector XXII, square A, spit 14, 150 cm. With pottery, bone, animal teeth, a pounding stone, & a bead. GrN-7125 1725+80 210-425 AD 653 Bronze Age. W.G. Mook & R.P. Soejono, Pers, comm. Charcoal?. Sector XX square A, spit 5 60 cm. Assoc. with beads, bones, and shell implements. GrN-7126 1650+55 240-450 AD Bronze 659 Age. W.G. Mook & R.P. Soejono, pers. comm. Charcoal?. Sector XX, square A, spit 6, 70 cm. With pottery, bone fragments, animal teeth. Leuwiliang, Java Barat, ANU-1109 4370+1190 4430-1440 BC Bronze 63 Age Sutayasa 1979:69, Charcoal, Offering place with unclear stratification. Much (non-artifactual?) obsidian, gold, bronze, etc. ANU-1110 1050+160 850-1190 AD 64 Bronze Age. Sutayasa 1979:69, Charcoal, See preceding entry. Pejaten, Java Barat. ANU-1520 2250+200 885.410 BC 65 Bronze Age. Sutayasa 1979:69, Charcoal, Trench II, 50-60 cm, depth, Assoc, with bronze-casting moulds, corded sherds, some polished stone adzes. ANU-1519 1830+250 155 BC-445 AD Bronze 66 Age Sutayasa 1979:69. Charcoal. Trench VI, 50-60 cm. depth. See preceding entry. INDONESIA (SOUTHEAST) Bui Ceri Uato, Timor Timur. ANU-327 220+80 1535-1930 AD 67 I ater Lithic. Glover 1972:70, Charcoal (& ash), Cave: concentrated sample from Horizon IV, 1.4m deep. Probably contaminated. (modern) ANU-325 -+-68 Later Lithic. Glover 1972:70, Charcoal, Scattered sample from lowest horizon, 1.4m deep, 'contaminated'. Liang Toge. Flores, Nusatenngara Timur. GX-209 3550+525 2655-1340 BC Later 69 Lithic (?) Jacob 1967:79. Bone. Human ('proto-negrito') burial with flaked stone tools. Lie Siri, Timor Timur, ANU-236 7270+160 Later 70 Lithic. Glover 1969:108, 1972:70, Charcoal, Cave: scattered sample over 7 sq m just above bedrock, Horizons I-III. ANU-171 6635+140 5710-5315 BC Later 71 Lithic. Glover 1969:108, 1972:70, Charcoal, Hearth at depth of 60 cm: pre-dates appearance of pottery and domesticated fauna: Horizon Vb.

ANU-172 3545+120 2125-1745 BC Pre-Metal 72 Ceramic Glover 1969:108, 1972:70. Charcoal. Dispersed sample 10-20 cm deep, Horizon VIb: assoc. with occasionally decorated potterv. ANU-235 3530+90 2100-1720 BC Pre-Metal 73 Ceramic. Glover 1969:108, 1972:70. Charcoal. Hearth, 20 cm below surface, Horizon VIa: related to sample in ANU-172, 173, ANU-173 2660+110 895-775 BC Pre-Metal 74 Ceramic. Glover 1969:108, 1972:70. Charcoal. Scattered, at depth of 10-15 cm, Horizon VIb. See two preceding entries. ANU-324 1030+70 895-1045 AD Pre-Metal 75 Ceramic Glover 1972:70, Charcoal, Scattered sample 10-15 cm below surface, Horizon VIa. Uai Bobo 1. Timor Timur. ANU-414 3470+110 1965-1680 BC Pre-Metal 76 Ceramic. Glover 1972:70, Charcoal, Cave 1: at depth of 70 cm, Horizon Illa. ANU-326 2450+95 785-410 BC Pre-Metal 77 Ceramic Glover 1972:70. Charcoal, Cave 1: at depth of 60 cm, Horizon IIIb. ANU-237 2190+80 405-155 BC Bronze 78 Age. Glover 1969:110, 1972:70. Charcoal. At depth of 50 cm: close to a copper ornament and assoc, with flint tools, pottery, & bones of pig, Horizon IIIc. ANU-332 350+60 1450-1635 AD Bronze 79 Age. Glover 1972:70. Charcoal. Cave 1: scattered sample in Horizon V, 30-40 cm deep. Uai Bobo 2, Timor Timur, ANU-238 13400+520 Later 80 Lithic. Glover 1977a:47, 1972:70. Charcoal. Cave 2: charcoal from hearth in Horizon I, 4.5 m deep & 2 m above bedrock. ANU-328 7010+125 6125-5520 BC Later 81 Lithic. Glover 1972:70. Charcoal. Cave 2: hearth at depth of 260 cm, in Horizon IV. ANU-187 5520+60 4440-4355 BC Later 82 Lithic. Glover 1969:111, 1972:70. Charcoal. Cave 2: hearth in Horizon VII, 160 cm deep: assoc. with earliest pig bone at site (prepottery.). ANU-239 3740+90 2340-1980 BC Pre-Metal 83 Ceramic Glover 1969:111, 1972:70, Charcoal, Cave 2: hearth in Horizon IX, 100 cm. below surface: assoc. with decorated pottery. Uai HA IE. Timor Timur. ANU-174 240+60 1535-1800 AD not clear 84 Glover 1972;70. Charcoal, Cave: 10 cm below surface, INDONESIA (WEST) Kampung Sukajadi Pasar, Sumatra Utara, SUA-1107 7340+360 651 Later

Lithic.

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Date RP

Site Lab. no. Date BP Date BC/AD Period Page R. Clough & I. Glover, pers. comm. Charcoal. Shell midden -#-'Hoabinhian.' Hearth about 2/3 from top. Core tools, antier, wood, shell, bone tools & debris.

SUA-1107 260+100 (modern) Later 652 Lithic

R. Clough & I. Glover, pers. comm. Wood. Shell midden-#- 3. The mound is under commercial exploitation for lime, hence sample probably represents disturbance.

Tianko Panjang, Jambi (Sumatra). P-2250 9950+130 Later 85 Lithic. RC 1977:222, Bronson & Asmar 1976:136, Charcoal, Cave. From scatter in square B, 135-161 cm, Assoc, with obsidian flakes but below pottery. Non agricultural?.

P-2249 9300+120 Later 86 Lithic.

RC 1977:222. Bronson & Asmar 1976:136. Charcoal. From scatter in Square B, 119-130 cm. Same assocs. as P-2250.

P-2248 8940+120 Later 87 Lithic

RC 1977:222, Bronson & Asmar 1976:136, Charcoal, From scatter in Square B, 94-116 cm, Same assocs, as P-2250,

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