

# 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The C-14 dates tabulated here are based on all published data of which the compilers are aware and on much unpublished data as well.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Unpublished dates for Gilimanuk were provided by the National Center for Archaeology Indonesia and the Biological-Archaeological Institute in Groningen.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 The one sigma calibrations are based on as-yet unpublished tables distributed by Henry Michael in April 1982.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.

*Bennet Bronson is with the Field Museum of National History, Chicago while Ian Glover is connected with the Institute of Archaeology.*

Site	Lab.no.	Date BP	Date BC/AD	Period	Page
<b>INDONESIA (CENTRAL)</b>					
Batu Edjaja 1. Sulawesi Selatan.					
	ANU-392	920+275	805-1380 AD	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.	
Batu Edjaja 2. Sulawesi Selatan.					
	ANU-393	-+-	(modern)	not clear.	
				Mulvaney & Soejono 1970:30. Charcoal. 2nd cave, with micro-liths, 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 (?). 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 Lithic.	37
				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). Layer IV-V. Levallois flakes & points, fauna, molluscs.	
	GRN-8650	26650+200		Later Lithic.	39
				Glover 1981:16. Shell (freshwater). Layer IV. Levallois flakes & points, fauna, molluscs.	
	GRN-8293	23300+140		Later Lithic.	40
				Glover 1981:16. Shell (freshwater). Layer V. Flake industry with Levallois technology, much fauna, many molluscs.	
	BM-1493	20150+250		Later Lithic.	41



Site	Lab.no.	Date BP	Date BC/AD	Period	Page	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.						ANU-172	3545+120	2125-1745 BC	Pre-Metal Ceramic.	72
	GrN-7128	1859+55	30-225 AD	Bronze Age.	661		Glover 1969:108, 1972:70. Charcoal. Dispersed sample 10-20 cm deep, Horizon VIb: assoc. with occasionally decorated pottery.				
	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.						ANU-235	3530+90	2100-1720 BC	Pre-Metal Ceramic.	73
	GrN-7125	1725+80	210-425 AD	Bronze Age.	653		Glover 1969:108, 1972:70. Charcoal. Hearth, 20 cm below surface, Horizon VIa: related to sample in ANU-172, 173.				
	W.G. Mook & R.P. Soejono, Pers. comm. Charcoal?. Sector XX square A, spit 5 60 cm. Assoc. with beads, bones, and shell implements.						ANU-173	2660+110	895-775 BC	Pre-Metal Ceramic.	74
	GrN-7126	1650+55	240-450 AD	Bronze Age.	659		Glover 1969:108, 1972:70. Charcoal. Scattered, at depth of 10-15 cm, Horizon VIb. See two preceding entries.				
	W.G. Mook & R.P. Soejono, pers. comm. Charcoal?. Sector XX, square A, spit 6, 70 cm. With pottery, bone fragments, animal teeth.						ANU-324	1030+70	895-1045 AD	Pre-Metal Ceramic.	75
							Glover 1972:70. Charcoal. Scattered sample 10-15 cm below surface, Horizon VIa.				
Leuwiliang, Java Barat.						Uai Bobo 1, Timor Timur.					
	ANU-1109	4370+1190	4430-1440 BC	Bronze Age.	63		ANU-414	3470+110	1965-1680 BC	Pre-Metal Ceramic.	76
	Sutayasa 1979:69. Charcoal. Offering place with unclear stratification. Much (non-artifactual?) obsidian, gold, bronze, etc.						Glover 1972:70. Charcoal. Cave 1: at depth of 70 cm, Horizon IIIa.				
	ANU-1110	1050+160	850-1190 AD	Bronze Age.	64		ANU-326	2450+95	785-410 BC	Pre-Metal Ceramic.	77
	Sutayasa 1979:69. Charcoal. See preceding entry.						Glover 1972:70. Charcoal. Cave 1: at depth of 60 cm, Horizon IIIb.				
Pejaten, Java Barat.							ANU-237	2190+80	405-155 BC	Bronze Age.	78
	ANU-1520	2250+200	885-410 BC	Bronze Age.	65		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.				
	Sutayasa 1979:69. Charcoal. Trench II, 50-60 cm. depth. Assoc. with bronze-casting moulds, corded sherds, some polished stone adzes.						ANU-332	350+60	1450-1635 AD	Bronze Age.	79
	ANU-1519	1830+250	155 BC-445 AD	Bronze Age.	66		Glover 1972:70. Charcoal. Cave 1: scattered sample in Horizon V, 30-40 cm deep.				
	Sutayasa 1979:69. Charcoal. Trench VI, 50-60 cm. depth. See preceding entry.					Uai Bobo 2, Timor Timur.					
INDONESIA (SOUTHEAST)							ANU-238	13400+520		Later Lithic.	80
Bui Ceri Uato, Timor Timur.							Glover 1977a:47, 1972:70. Charcoal. Cave 2: charcoal from hearth in Horizon I, 4.5 m deep & 2 m above bedrock.				
	ANU-327	220+80	1535-1930 AD	Later Lithic.	67		ANU-328	7010+125	6125-5520 BC	Later Lithic.	81
	Glover 1972:70. Charcoal (& ash). Cave: concentrated sample from Horizon IV, 1.4m deep. Probably contaminated.						Glover 1972:70. Charcoal. Cave 2: hearth at depth of 260 cm, in Horizon IV.				
	ANU-325	-+-	(modern)	Later Lithic.	68		ANU-187	5520+60	4440-4355 BC	Later Lithic.	82
	Glover 1972:70. Charcoal. Scattered sample from lowest horizon, 1.4m deep. 'contaminated'.						Glover 1969:111, 1972:70. Charcoal. Cave 2: hearth in Horizon VII, 160 cm deep: assoc. with earliest pig bone at site (pre-pottery.).				
Liang Toge, Flores, Nusatenggara Timur.							ANU-239	3740+90	2340-1980 BC	Pre-Metal Ceramic.	83
	GX-209	3550+525	2655-1340 BC	Later Lithic (?)	69		Glover 1969:111, 1972:70. Charcoal. Cave 2: hearth in Horizon IX, 100 cm. below surface: assoc. with decorated pottery.				
	Jacob 1967:79. Bone. Human ('proto-negrato') burial with flaked stone tools.					Uai HA IE, Timor Timur.					
Lie Siri, Timor Timur.							ANU-174	240+60	1535-1800 AD	not clear	84
	ANU-236	7270+160		Later Lithic.	70		Glover 1972:70. Charcoal. Cave: 10 cm below surface.				
	Glover 1969:108, 1972:70. Charcoal. Cave: scattered sample over 7 sq m just above bedrock, Horizons I-III.					INDONESIA (WEST)					
	ANU-171	6635+140	5710-5315 BC	Later Lithic.	71	Kampung Sukajadi Pasar, Sumatra Utara.					
	Glover 1969:108, 1972:70. Charcoal. Hearth at depth of 60 cm: pre-dates appearance of pottery and domesticated fauna: Horizon Vb.						SUA-1107	7340+360		Later Lithic.	651

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, antler, wood, shell, bone tools & debris.			
	SUA-1107	260±100	(modern)	Later Lithic.	652
	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 Lithic.	85
	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 Lithic.	86
	RC 1977:222, Bronson & Asmar 1976:136. Charcoal. From scatter in Square B, 119-130 cm. Same assoc. as P-2250.				
	P-2248	8940±120		Later Lithic.	87
	RC 1977:222, Bronson & Asmar 1976:136. Charcoal. From scatter in Square B, 94-116 cm. Same assoc. as P-2250.				

- 1972 *Excavations in Timor*. Unpublished Ph.D. Dissertation, Australian National University, Canberra.
- 1976 *Prehistoric Research in the Maros District, South Sulawesi, Indonesia: First Preliminary Report*. Mimeographed report prepared for the Indonesian Institute of Science, etc.
- 1977 *The Late Stone Age in Eastern Indonesia. World Archaeology 9*, 1:42-61.
- 1981 Lang Burung 2: an Upper Palaeolithic Rock Shelter in South Sulawesi, Indonesia. *Modern Quarternary Research in Southeast Asia 6*: 1-28.

Heekeren, H.R. van  
 1958 *The Bronze-Iron Age of Indonesia*. The Hague: Martinus Nijhoff.

## REFERENCES

- Bellwood, Peter  
 1978 *Archaeological Research in Minahasa and the Talaud Islands, Northeastern Indonesia. Asian Perspectives 19*, 2(1976): 240-288.
- 1979 *Man's Conquest of the Pacific*. New York: Oxford University Press
- Bronson, Bennet and Teguh Asmar  
 1976 *Prehistoric Investigations at Tinko Panjang Cave, Sumatra: An Interim Report Asian Perspectives 18*, 2 (1975) : 128-145.
- Glover, Ian C.  
 1969 *Radiocarbon Dates from Portuguese Timor. Archaeology and Physical Anthropology in Oceania 4*, 2 107-112.
- 1971 *Prehistoric Research in Timor in D.J. Mulvaney and J. Golson eds, Aboriginal Man and Environment in Australia*, 158-81. Canberra.
- 1972 *The Stone Age of Indonesia*. Verhandelungen van het Koninklijk Instituut voor Taal-, Landen Volkendunde, 61. The Hague: Martinus Nijhoff.
- Jacob, Teuku  
 1967 *Some Problems Pertaining to the Racial History of the Indonesian Region*, Ph.D. Thesis, University of Utrecht.
- Mulvaney, D.J. and R.P. Soejono  
 1970 *Archaeology in Sulawesi, Indonesia. Antiquity 45*: 26-33.
- Sutayasa, I. Md.  
 1979 *Prehistory in West Java, Indonesia. The Artefact 4*: 61-75. Australia.
- Walker, Michael J. and Santoso S.  
 Romano-Indian Rouletted Pottery in Indonesia. *Mankind 11*, 1:39-45.
- White, J. Peter and J.F. O'Connell  
 1982 *The Prehistory of Australia, New Guinea and Sahul*. Sydney, etc.: Academic Press.