

# MEMOIRS OF THE QUEENSLAND MUSEUM

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CATALOGUE OF METEORITES, TEKTITES AND ASSOCIATED MATERIAL FROM  
THE UNIVERSITY OF QUEENSLAND COLLECTION

MATTHEW C. NG

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Meteorites, tektites and associated material held in the University of Queensland earth sciences collection is listed. The catalogue of meteorites in the Queensland Museum collection is also updated with recent additions to the collection. Specimen numbers, locality, weight and, where possible, references are given for each meteorite specimen. □ *Catalogue, meteorite, tektite, University of Queensland, Queensland Museum.*

M.C. Ng, Queensland Museum, PO Box 3300, South Brisbane 4101, Australia (e-mail: matthewn@qm.qld.gov.au); 20 March 2002.

In 1999 the earth sciences collection held by the University of Queensland (UQ) was transferred to the Queensland Museum(QMD). Meteorites, tektites and associated material in the UQ collection are listed herein along with additions to the catalogue of meteorite in the Queensland Museum (Volk, 1994).

Listed classification of meteorites follows Buchwald (1975) and Rubin (1997).

METEORITES

**Gladstone number 2 Meteorite**

QMD14014, shavings, bulk; 168.3g.

TYPE. Og, group IAB.

LOCALITY. Dalgety Downs, WA

REFERENCE. Richards (1930) & Buchwald (1975: 593).

**Maroo Meteorite**

QMD17965, tiny fragment from a mass of 236g: 0.3g.

TYPE. LL6.

LOCALITY. Found in 1991, at 25°44'S; 142°57'E central western Qld.

REFERENCE. Wlotzka (1994).

REMARKS. Donated by Western Australian Museum.

**Whitula Creek Meteorite**

QMD17966, 17967, fragments from a mass of 271g: 2.8g and 3.8g, respectively.

TYPE. H5.

LOCALITY. Ingella Station (25°18.95'S 142°26.68'E), Qld, coll 1992.

REFERENCE. Wlotzka (1994).

REMARKS. Donated by Western Australian Museum.

**Tookabarnoo Meteorite**

QMD17968, tiny fragment from a mass of 157g: 6.2g.

TYPE. H4.

LOCALITY. Found in 1992, near Tookabarnoo Waterhole (25°52' S 141°44' E), Qld.

REFERENCE. Wlotzka (1994).

REMARKS. Donated by Western Australian Museum.

**Wynella Meteorite**

QMD18222, cut specimen (455.8g) collected in 1997.

TYPE. H4.

LOCALITY. Near Dirranbandi, Qld.

REFERENCE. Krinov (1968).

**Imilac Meteorite**

QMD18491, polished slice with yellow olivine. Donated by B. Eisler; 88.6g.

TYPE. PAL.

LOCALITY. Atacama Desert, Chile.

REFERENCE. Buchwald (1975: 1393).

**Binya Meteorite**

QMD18496, type specimen; 34.7g.

TYPE. Og; group IIIIF.

LOCALITY. Found in 1981 at Binya, central NSW.

REFERENCE. Grossman (2000).

**Canyon Diablo Meteorite**

QMD18989, ex-Stan Colliver collection, 20.3g.

TYPE. Og; group I.

LOCALITY. Canyon Diablo, Coconino County (35°03'N, 111°02' W), Arizona, USA.

REFERENCE. Buchwald (1975: 381).

PSEUDOMETEORITES

**Weathered meteorite?**

QMD7964, 8 rough specimens, magnetic, containing nickel and copper traces. Meteoritic origin doubtful; 235g, 243.2g, 170.6g, 66.4g, 26.1g, 14.3g, 11.5g, 5.5g.

LOCALITY. Reids Creek, 12 miles W of Mt. Perry, Qld.

**Meteoritic iron?**

QMD17213, non-magnetic, meteoritic origin doubtful; 91.5g.

LOCALITY. Cranbourne, Victoria, NSW.

**Meteorite?**

QMD19354, magnetic, with a sub-metallic lustre, found in laterite; 451.7g.

LOCALITY. Gove, N.T.

**TEKTITES****Australites**

QMD13762a, 5.7g, core. QMD13762b, 5.6g, worn core. QMD13762c, 3.4g, indicator.

LOCALITY. Murray River Valley.

**Indochinite**

QMD19354, 87.5g, dumb-bell shape.

LOCALITY. Guandong Province, South China.

REMARKS. Purchased in China.

**Australites**

QMD13899, 0.7g, part of flange; QMD19368, 1.4g, core; QMD19369, 0.6g, water-worn core; QMD19370, 1.6g, lens; QMD19371, 0.5g, fragment; QMD19372, 1.4g, core; QMD19373, 1.6g, fragment; QMD19374, 1.0g, lens; QMD19375, 0.8g, fragment; QMD19376, 1.8g, core; QMD19377, 1.1g, elongated core; QMD19378, 1.3g, indicator; QMD19379, 0.3g, chip; QMD19380, 0.8g, chip; QMD19381, 0.8g, chip; QMD19382, 1.3g, lens; QMD19383, 0.6g, lens; QMD19384, 1.1g, chipped lens; QMD19385, 2.2g, water-worn core; QMD19386, 0.5g, core; QMD19387, 1.5g, fragment; QMD19388, 0.5g, lens; QMD19389, 0.6g, lens; QMD19390, 2.4g, elongated fragment; QMD19391, 0.5g, chip; QMD19392, 0.5g, lens; QMD19393, 0.9g, fragment; QMD19394, 0.3g, chip; QMD19395, 2.6g, water-worn fragment; QMD19396, 0.8g, water-worn fragment; QMD19397, 0.7g, indicator; QMD19398, 2.2g, fragment; QMD19399, 0.7g, indicator; QMD19400, 1.2g, water-worn core; QMD19401, 0.3g, lens; QMD19402, 0.6g, fragment of a lens; QMD19403, 1.4g, lens; QMD19404, 1.2g, core; QMD19405, 1.5g, fragment; QMD19406, 1.1g, water-worn fragment; QMD19407, 0.8g, water-worn fragment; QMD19408, 0.8g, core; QMD19409, 0.9g, core; QMD19410, 1.8g, pseudotektite; QMD19411, 0.5g, fragment; QMD19412, 1.4g, fragment; QMD19413, 0.8g, indicator; QMD19414, 0.5g, lens; QMD19415, 1.7g, irregular fragment; QMD19416, 1.0g, irregular fragment; QMD19417, 1.4g, elongated; QMD19418, 1.0g, chipped elongate; QMD19419, 2.1g, water-worn core; QMD19420, 0.8g, part of flange; QMD19421, 1.1g, water-worn fragment; QMD19422, 0.4g, eroded core; QMD19423, 0.9g, lens; QMD19424, 0.8g, half lens; QMD19425, 0.8g, lens; QMD19426, 0.5g, core; QMD19427, 1.1g, indicator; QMD19428, 0.5g, part of flange; QMD19429, 1.6g, water-worn fragment; QMD19430, 0.7g, chip; QMD19431, 1.7g, flange; QMD19432, 0.8g, lens; QMD19433, 1.7g, chip; QMD19434, 0.5g, core;

QMD19435, 1.0g, core; QMD19436, 2.5g, indicator; QMD19437, 1.0g, fragment; QMD19438, 2.0g, core; QMD19439, 0.3g, chip; QMD19440, 1.7g, water-worn fragment; QMD19441, 1.0g, water-worn fragment; QMD19442, 3.4g, water-worn indicator; QMD19443, 2.1g, water-worn fragment; QMD19444, 0.7g, lens; QMD19445, 0.6g, chip; QMD19446, 1.1g, fragment; QMD19447, 0.4g, part of flange; QMD19448, 0.6g, part of lens; QMD19449, 0.5g, chip; QMD19450, 0.9g, lens; QMD19451, 0.7g, part of button; QMD19452, 0.4g, chip; QMD19453, 0.4g, lens; QMD19454, 0.5g, fragment; QMD19455, 1.6g, fragment; QMD19456, 1.1g, eroded core; QMD19457, 0.7g, part of flange; QMD19458, 1.0g, elongated fragment; QMD19459, 2.8g, core; QMD19460, 1.6g, irregular; QMD19461, 1.4g, part of button; QMD19462, 1.0g, elongated lens; QMD19463, 2.4g, water-worn fragment; QMD19464, 1.5g, chip; QMD19465, 1.3g, water-worn fragment; QMD19466, 1.0g, chip; QMD19467, 1.2g, water-worn fragment; QMD19468, 1.2g, elongated core; QMD19469, 1.0g, lens; QMD19470, 0.8g, lens; QMD19471, 0.6g, lens; QMD19472, 0.8g, chip; QMD19473, 0.7g, chip; QMD19474, 0.6g, chip; QMD19475, 1.0g, lens; QMD19476, 0.6g, lens; QMD19477, 1.3g, water-worn fragment; QMD19478, 2.3g, water-worn fragment; QMD19479, 0.6g, lens; QMD19480, 2.0g, indicator; QMD19481, 1.1g, lens; QMD19482, 0.7g, lens; QMD19483, 1.2g, chip; QMD19484, 1.7g, fragment; QMD19485, 0.6g, chip; QMD19486, 1.2g, lens; QMD19487, 1.5g, part of button; QMD19488, 0.9g, lens; QMD19489, 0.6g, lens; QMD19490, 1.7g, lens; QMD19491, 2.4g, fragment; QMD19492, 1.4g, lens; QMD19493, 0.9g, fragment; QMD19494, 0.9g, chip; QMD19495, 2.6g, fragment; QMD19496, 1.5g, lens; QMD19497, 0.9g, fragment; QMD19498, 0.6g, lens; QMD19499, 0.5g, fragment of lens; QMD19500, 1.9g, water-worn fragment; QMD19501, 2.8g, elongated; QMD19502, 0.5g, lens; QMD19503, 2.1g, irregular; QMD19504, 1.8g, irregular; QMD19505, 0.5g, irregular; QMD19506, 2.0g, water-worn; QMD19507, 1.2g, water-worn button; QMD19508, 1.6g, water-worn; QMD19509, 0.7g, water-worn; QMD19510, 1.5g, fragment; QMD19511, 0.7g, lens; QMD19512, 0.6g, water-worn; QMD19513, 0.6g, chip; QMD19514, 0.5g, chip; QMD19515, 0.6g, lens; QMD19516, 0.9g, water-worn core; QMD19517, 0.4g, water-worn indicator; QMD19518, 1.5g, water-worn fragment; QMD19519, 0.6g, lens; QMD19520, 1.2g, lens fragment; QMD19521, 0.9g, lens fragment; QMD19522, 0.8g, fragment; QMD19523, 0.4g, chip; QMD19524, 0.5g, pseudotektite?; QMD19525, 0.4g, lens; QMD19526, 0.8g, part of flange; QMD19527, 0.4g, water-worn; QMD19528, 0.8g, lens; QMD19529, 1.4g, elongate fragment; QMD19530, 0.8g, fragment; QMD19531, 0.2g, elongated disc; QMD19532, 0.4g, chip; QMD19533, 0.4g, pseudotektite; QMD19534, 1.9g, water-worn; QMD19535, 0.6g, lens; QMD19536, 0.3g, chip; QMD19537, 0.6g, fragment; QMD19538, 1.1g, chipped fragment; QMD19539, 1.4g, lens; QMD19540, 0.8g, fragment

LOCALITY. South Australia.

UNIVERSITY OF QUEENSLAND EARTH  
SCIENCES COLLECTION

## METEORITES

**Canyon Diablo Meteorite**

UQ11151, UQ11152, missing.

LOCALITY. Barringer Meteor Crater, Northern Arizona, USA.

REMARKS. Purchased Scott Williams.

**Gilgoi Meteorite**

UQ11159, missing.

TYPE. H5.

LOCALITY. Gilgoi, New South Wales.

REFERENCE. Prior (1923; p. 64).

**McKinney Meteorite**

UQ11160, 2 specimens and 2 thin sections; 56.3g, 4.8g.

TYPE. Possibly hypersthene-chondrite (L4?).

LOCALITY. MacKinney, Texas (USA).

REFERENCE. Prior (1923; p. 110).

**Henbury Meteorite**UQ30122: 4.6kg; UQ31027: 137.3g; UQ30128: 132.2g;  
UQ30130: 52.4g; UQ30131: 45.5g; UQ30132: 27.2g;  
UQ30133: 28g; UQ30134: 36.5g; UQ30135: 37g;  
UQ30136: 20.9g; UQ30137: 4.7g; UQ30138: 16.7g;  
UQ30139: 18.3g. Missing: UQ11161, UQ11163,  
UQ30121, UQ30123-30126, UQ30129,  
UQ30140-UQ30144.

TYPE. Om; group IIIA.

LOCALITY. Henbury, S.A.

REFERENCE. Buchwald (1975; p. 638).

**Molong PMG**

UQ11162, 2 weathered rough specimens; 225g, 167.8g.

TYPE. Class PAL (normal PMG).

LOCALITY. Molong, NSW.

REFERENCE. Prior (1923; p. 116).

**Glenormiston Meteorite**

UQ11193, brecciated rough specimen: 536.1g.

TYPE. Om.

LOCALITY. 10km south of Glenormiston, western Qld.

REFERENCE. Richards (1930) &amp; Buchwald (1975; p. 596).

**Canyon Diablo Meteorite**

UQ12416, fragment; 90.3g.

LOCALITY. Barringer Crater, near Winslow, Arizona, USA.

**Tenham Meteorite**

UQ12612, 908g; UQ12613, 340g. Missing

TYPE. H5.

LOCALITY. 'Ingella' Station, 25°33'S 142°48'E (Tenham Station, Kyabra Creek. 50km south east of Windorah, Queensland).

REMARKS. Collector Mr. Hammond, 1939.

**Box Hole Meteorite**

UQ29272, missing

TYPE. Om; group IIIA.

LOCALITY. Box Hole, NT.

**Wolf Creek Meteorite**

UQ29273, 6 tiny fragments; 1.9g, 4.2g, 8.0g, 3.5g, 2.2g, 2.7g.

TYPE. Om; group IIB.

LOCALITY. Wolf Creek Crater, WA.

REFERENCE. Buchwald (1975; p. 1327).

**Wolf Creek Meteorite**

UQ30145, rough specimen; 14.9g.

TYPE. Om; group IIB.

LOCALITY. Wolf Creek 640km east of Broome, WA.

REFERENCE. As for UQ29273.

**Boxhole Meteorite**

UQ30146, 1 rough specimen; 18.3g.

TYPE. Om; group IIIA.

LOCALITY. Box Hole 19.2km N.E. of Alice Springs, Northern Territory.

REFERENCE. Buchwald (1975; p. 338).

**Boxhole Meteorite?**

UQ30147-UQ30151, purchased from aborigines; 15.0g, 9.2g, 7.6g, 4.5g, 7.0g.

TYPE. Om; group IIIA.

LOCALITY. St. Vigeins Cattle Station, Northern Territory.

**Iron meteorite**

UQ34849, 15.6kg.

TYPE. Iron.

LOCALITY. unknown.

**Tuxtuc Meteorite**

UQ43005, from the main mass. Fell 16th Oct. 1975; 1g. Missing

TYPE. 'Amphoterite' Olivine-hypersthene chondrite (LL5)

LOCALITY. Tuxtuc, Mexico.

REMARK: Exchanged by Rainer Bartoschewitz, west Germany.

REFERENCE. Graham (1981).

**Toluca Meteorite**

UQ43007, thick slice; 62.7g.

TYPE. Og, group I.

LOCALITY. Found in 1776 Toluca, Mexico.

REFERENCE. Buchwald (1975; p. 1209).

**Allende Meteorite**

UQ43008, fell 8th Feb. 1969; weight 40.4g. Missing

TYPE. Carbonaceous chondrite (CV3).

LOCALITY. Allende, Mexico.

REMARK: Exchanged by Rainer Bartoschewitz, west Germany.

REFERENCE. Clarke et al. (1971) & Buchwald (1975).

**PSEUDOMETEORITE****Aerolites?**

UQM565, 3 samples. Meteoritic origin questionable; 265.5g, 127.1g, 109.2g.

LOCALITY. Quetta.

**TEKTITES****Australites**

UQ5852/1, 0.9g, lens; UQ5852/2, 0.8g, chipped lens; UQ5852/3, 0.6g, chipped fragment; UQ5852/4, 1.6g, water-worn; UQ5852/5, 1.6g, lens; UQ5852/6, 2.3g, lens; UQ5852/7, 9.1g, core; UQ5852/8, 2.8g, elongate; UQ5852/9, 1.8g, elongate; UQ5852/10, 3.5g, apioïd; UQ30065, 0.4g, lens; UQ30066, 0.7g, core; UQ30067, 2.2g, lens; UQ30068, 3.6g, core; UQ30069, 7.3g, core; UQ30070, 1g, apioïd?; UQ30071, 1.6g, ellipsoid core; UQ30072, 0.8g, apioïd core; UQ30073, 2.5g, core; UQ30074, 1.2g, fragment; UQ30075, 0.6g, lens; UQ30076, 1.4g, lens; UQ30077, 6.3g, chipped lens; UQ30078, 1.4g, water-worn core; UQ30079, 2.7g, fragment; UQ30080, 1.0g, elongate fragment; UQ30081, 2.0g, apioïd.

LOCALITY. Mooraberrie, Qld.

**Indochinite**

UQ11157, 1.5g, irregular.

LOCALITY. Thailand.

**Australite**

UQ11192, a thin section of an australite(?).

LOCALITY. Unknown.

**Indochinite**

UQ16373, 5.2g, irregular.

LOCALITY. Indo-china.

**Australites**

UQ29500, 2.8g, indicator; UQ29501, 3.0g, indicator; UQ29502, 3.3g, indicator; UQ29503, 3.2g, indicator; UQ29504, 2.7g, indicator; UQ29505, 2.0g, indicator; UQ29506, 2.2g, indicator; UQ29507, 1.6g, indicator; UQ29508, 1.8g, indicator; UQ29509, 1.1g, indicator; UQ29510, 2.1g, indicator; UQ29511, 1.5g, indicator; UQ29512, 3.8g, indicator; UQ29513, 3.2g, indicator; UQ29514, 2.7g, indicator; UQ29515, 2.0g, indicator; UQ29516, 3.1g, indicator; UQ29517, 2.1g, indicator; UQ29518, 2.9g, indicator; UQ29519, 1.9g, indicator; UQ29520, 3.1g, indicator; UQ29521, 2.3g, indicator; UQ29522, 1.3g, indicator; UQ29523, 2.9g, indicator; UQ29524, 1.3g, indicator; UQ29525, 2.0g, indicator;

UQ29526, 2.5g, indicator; UQ29527, 2.8g, indicator; UQ29528, 0.9g, indicator; UQ29529, 1.2g, indicator; UQ29530, 4.2g, indicator; UQ29531, 1.2g, indicator; UQ29532, 0.6g, indicator; UQ29533, 0.9g, indicator; UQ29534, 1.4g, indicator; UQ29535, 2.0g, indicator; UQ29536, 1.0g, indicator; UQ29537, 1.6g, indicator; UQ29538, 1.1g, indicator; UQ29539, 1.7g, indicator; UQ29540?, 1.9g, indicator; UQ29541, 1.8g, indicator; UQ29542, 3.1g, core; UQ29543, 1.5g, indicator; UQ29544, 2.0g, indicator; UQ29545, 2.0g, indicator; UQ29546, 2.8g, chipped indicator; UQ29547, 6.3g, chipped core; UQ29548, 2.3g, chipped indicator; UQ29549, 2.1g, chipped indicator; UQ29550, 1.6g, lens?; UQ29551, 2.7g, lens?; UQ29552, 1.7g, flange fragment; UQ29553, 1.6g, core?; UQ29554, 2.7g, core?; UQ29555, 2.5g, core?; UQ29556, 0.8g, flange; UQ29557, 2.6g, indicator; UQ29558, 1.5g, lens?; UQ29559, 1.0g, lens?; UQ29560, 2.1g, eroded core?; UQ29561, 1.5g, lens?; UQ29562, 1.6g, indicator; UQ29563, 2.5g, eroded core?; UQ29564, 2.3g, eroded button; UQ29565, 2.0g, indicator; UQ29566, 1.2g, chipped lens; UQ29567, 2.4g, fragment; UQ29568, 2.2g, eroded indicator; UQ29569, 3.2g, fragment; UQ29570, 2.8g, chipped eroded core; UQ29571, 3.3g, eroded core; UQ29572, 1.9g, fragment; UQ29573, 1.7g, indicator; UQ29574, 2.5g, eroded indicator; UQ29575, 1.5g, eroded lens; UQ29576, 1.9g, eroded core?; UQ29577, 1.5g, chipped lens; UQ29578, 2.1g, chipped lens; UQ29579, 1.9g, eroded indicator; UQ29580, 1.6g, indicator; UQ29581, 1.9g, eroded lens; UQ29582, 1.8g, eroded indicator; UQ29583, 1.4g, eroded indicator; UQ29584, 1.4g, indicator; UQ29585, 1.6g, chipped eroded lens; UQ29586, 1.6g, eroded core; UQ29587, 2.1g, chipped indicator; UQ29588, 1.2g, lens; UQ29589, 3.1g, indicator; UQ29590, 2.3g, indicator; UQ29591, 1.1g, eroded lens; UQ29592, 1.7g, chipped lens; UQ29593, 1.0g, fragment of lens; UQ29594, 1.8g, eroded lens; UQ29595, 1.2g, eroded core?; UQ29596, 1.1g, Chip; UQ29597, 1.0g, Chip; UQ29598, 1.3g, eroded indicator; UQ29599, 1.7g, eroded indicator; UQ29600, 2.1g, eroded lens; UQ29601, 1.7g, indicator; UQ29602, 0.8g, lens; UQ29603, 0.8g, lens; UQ29604, 1.9g, eroded indicator; UQ29605, 1.2g, fragment; UQ29606, 1.6g, eroded fragment; UQ29607, 1.6g, eroded indicator; UQ29608, 2.5g, indicator?; UQ29609, 1.3g, eroded lens; UQ29610, 1.4g, chipped fragment; UQ29611, 1.6g, chipped indicator; UQ29612, 1.2g, chipped indicator; UQ29613, 2.2g, chipped indicator; UQ29614, 1.9g, indicator; UQ29615, 1.4g, fragment; UQ29616, 1.3g, indicator; UQ29617, 0.8g, fragment; UQ29618, 1.1g, lens; UQ29619, 1.1g, indicator; UQ29620, 2.0g, lens; UQ29621, 0.4g, fragment; UQ29622, 1.1g, chipped lens; UQ29623, 2.3g, indicator; UQ29624, 1.8g, fragment; UQ29625, 2.5g, eroded fragment; UQ29626, 1.2g, eroded core; UQ29627, 1.2g, eroded core?; UQ29628, 1.4g, indicator; UQ29629, 1.9g, fragment; UQ29630, 4.2g, eroded fragment; UQ29631, 2.3g, fragment of a core?; UQ29632, 1.0g, chipped lens; UQ29633, 2.4g, fragment; UQ29634, 1.7g, chip from an elongate core; UQ29635, 2.4g, eroded lens; UQ29636, 1.2g, fragment; UQ29637, 1.7g, fragment; UQ29638, 1.6g, fragment; UQ29639, 1.1g, fragment; UQ29640, 2.4g, fragment; UQ29641,

4.8g, eroded elongated core; UQ29642, 8.4g, fragment; UQ29643, 13.3g, fragment; UQ29644, 9.8g, fragment; UQ29645, 3.2g, fragment; UQ29646, 5.7g, fragment; UQ29647, 2.9g, chip fragment; UQ29648, 0.8g, chip from button (flange?); UQ29649, 4.1g, chip fragment; UQ29650, 2.6g, lens; UQ29651, 1.9g, core; UQ29652, 3.2g, Irregular core; UQ29653, 2.8g, fragment; UQ29654, 2.0g, eroded indicator; UQ29655, 1.9g, broken lens; UQ29656, 1.9g, fragment; UQ29657, 0.8g, fragment; UQ29658, 2.0g, fragment; UQ29659, 3.0g, Irregular shape; UQ29660, 1.8g, indicator; UQ29661, 2.1g, fragment; UQ29662, 2.4g, smoothed fragment; UQ29663, 2.3g, eroded lens; UQ29664, 2.9g, lens?; UQ29665, 2.0g, fragment of core?; UQ29666, 2.9g, fragment; UQ29667, 2.2g, chip of a indicator; UQ29668, 1.7g, fragment; UQ29669, 2.0g, chip fragment; UQ29670, 2.6g, fragment; UQ29671, 2.0g, fragment; UQ29672, 1.3g, fragment; UQ29673, 0.9g, fragment; UQ29674, 0.6g, elongated; UQ29675, 0.9g, elongated; UQ29676, 1.9g, elongated; UQ29677, 1.9g, elongated; UQ29678, 1.8g, elongated; UQ29679, 1.4g, elongated; UQ29680, 14.3g, elongated; UQ29681, 5.9g, elongated; UQ29682, 5.6g, elongated; UQ29683, 4.2g, elongated; UQ29684, 5.9g, elongated; UQ29685, 7.8g, elongated; UQ29686, 4.8g, elongated; UQ29687, 2.3g, elongated; UQ29688, 6.5g, elongated; UQ29689, 4.0g, elongated; UQ29690, 3.0g, elongated; UQ29691, 3.7g, elongated; UQ29692, 3.4g, elongated; UQ29693, 3.1g, elongated; UQ29694, 3.8g, elongated; UQ29695, 2.7g, elongated; UQ29696, 2.0g, elongated; UQ29697, 2.9g, elongated; UQ29698, 3.8g, elongated; UQ29699, 2.6g, elongated; UQ29700, 3.9g, elongated; UQ29701, 1.6g, elongated; UQ29702, 2.6g, elongated; UQ29703, 1.1g, elongated; UQ29704, 4.0g, elongated; UQ29705, 2.2g, elongated; UQ29706, 4.1g, elongated; UQ29707, 3.3g, indicator; UQ29708, 4.4g, fragment; UQ29709, 2.4g, fragment; UQ29710, 10.0g, fragment; UQ29711, 2.0g, fragment; UQ29712, 2.2g, fragment; UQ29713, 3.1g, fragment; UQ29714, 2.2g, fragment; UQ29715, 1.8g, fragment; UQ29716, 0.9g, fragment; UQ29717, 1.9g, fragment; UQ29718, 1.3g, fragment; UQ29719, 1.8g, fragment; UQ29720, 1.8g, fragment; UQ29721, 1.6g, fragment; UQ29722, 1.1g, fragment; UQ29723, 1.8g, fragment; UQ29724, 0.8g, fragment; UQ29725, 1.0g, fragment; UQ29726, 0.8g, fragment; UQ29727, 1.3g, fragment; UQ29728, 1.5g, fragment; UQ29729, 1.1g, fragment; UQ29730, 0.6g, fragment; UQ29731, 1.1g, fragment; UQ29732, 1.1g, fragment; UQ29733, 1.1g, fragment; UQ29734, 5.1g, fragment; UQ29735, 2.0g, fragment; UQ29736, 2.4g, fragment; UQ29737, 2.2g, fragment; UQ29738, 2.1g, fragment; UQ29739, 1.5g, fragment; UQ29740, 1.4g, Part of flange; UQ29741, 1.8g, fragment; UQ29742, 1.8g, fragment; UQ29743, 1.4g, fragment; UQ29744, 1.3g, fragment; UQ29745, 0.7g, fragment; UQ29746, 1.6g, fragment; UQ29747, 0.7g, fragment; UQ29748, 0.9g, fragment; UQ29749, 0.8g, fragment; UQ29750, 0.8g, fragment; UQ29751, 0.5g, fragment; UQ29752, 0.4g, fragment; UQ29753, 0.9g, fragment; UQ29754, 12.9g, hollows (skin off buttons); UQ29755, 11.6g, hollows (skin off buttons); UQ29756, 3.3g, hollows (skin off buttons); UQ29757, 1.9g, hollows (skin off buttons); UQ29758, 2.4g, chips;

UQ29759, 1.4g, chips; UQ29760, 1.1g, chips; UQ29761, 2.0g, chips; UQ29762, 2.4g, chips; UQ29763, 9.1g, chips; UQ29764, 3.5g, chips; UQ29765, 1.9g, chips; UQ29766, 3.3g, chips; UQ29767, 2.9g, chips; UQ29768, 3.2g, chips; UQ29769, 3.4g, chips; UQ29770, 4.4g, chips; UQ29771, 5.0g, chips; UQ29772, 3.1g, chips; UQ29773, 0.4g, chips; UQ29774, -, Missing; UQ29775, 1.1g, chips; UQ29776, 1.8g, chips; UQ29777, 2.4g, chips; UQ29778, 3.1g, chips; UQ29779, 3.4g, chips; UQ29780, 1.9g, chips; UQ29781, 3.6g, chips; UQ29782, 2.0g, chips; UQ29783, 0.5g, chips; UQ29784, 0.8g, chips; UQ29785, 0.7g, chips; UQ29786, 1.1g, chips; UQ29787, 1.1g, chips; UQ29788, 0.4g, chips.

LOCALITY. North corner Lake Cuddapan, Queensland. East of Betoota (141°26'E 25°43'S). Coll. G. Hume, 1971. NOTE. 'L. Cuppapa'.

### Phillippinites

UQ29789, 35.9g, sphere; UQ29790, 32.5g, sphere; UQ29791, 29.4g, sphere; UQ29792, 30.5g, sphere; UQ29793, 27.9g, sphere; UQ29794, 21.8g, sphere; UQ29795, 19.1g, sphere; UQ29796, 18.8g, sphere; UQ29797, 18.9g, sphere; UQ29798, 11.7g, sphere; UQ29799, 12.9g, sphere; UQ29800, 14.5g, sphere; UQ29801, 11.7g, sphere; UQ29802, 9.7g, sphere; UQ29803, 6.8g, sphere; UQ29804, 9.9g, sphere; UQ29805, 9.5g, sphere; UQ29806, 11.6g, sphere; UQ29807, 10.1g, sphere; UQ29808, 7.2g, sphere; UQ29809, 8.7g, sphere; UQ29810, 5.9g, flattened ovate; UQ29811, 9.6g, flattened ovate; UQ29812, 4.9g, flattened ovate; UQ29813, 7.0g, sphere; UQ29814, 11.2g, sphere; UQ29815, 5.9g, irregular; UQ29816, 7.7g, irregular; UQ29817, 7.6g, irregular; UQ29818, 5.1g, sphere; UQ29819, 3.9g, sphere; UQ29820, 2.8g, sphere; UQ29821, 4.2g, sphere; UQ29822, 2.3g, sphere; UQ29823, 4.7g, chip; UQ29824, 1.9g, irregular; UQ29825, -, missing; UQ29826, 19.4g, elongate; UQ29827, 13.1g, elongate; UQ29828, 7.6g, elongate; UQ29829, 12.5g, apioid; UQ29830, 6.0g, apioid; UQ29890, -, missing

LOCALITY. Pugad-babuy Site, Bulakan Province, Luzon Island, Philippines. Coll. Otley Beyar & F.W. Whitehouse.

UQ29831, -, missing (billitonite); UQ29832, -, missing (billitonite); UQ29833, 17.7g, billitonite; UQ29834, 17.8g, billitonite; UQ29835, 18.5g, billitonite; UQ29836, 6.1g, billitonite; UQ29837, 5.2g, billitonite; UQ29838, 13.1g, billitonite; UQ29839, 9.5g, billitonite; UQ29840, 8.0g, billitonite; UQ29841, 14.7g, billitonite.

LOCALITY. Maysan Site, Bulakan Province, Luzon Island, Philippines. Coll. Otley Beyar & F.W. Whitehouse.

UQ29842, 28.5g, sphere; UQ29843, 28.0g, sphere; UQ29844, 15.0g, sphere; UQ29845, 16.0g, sphere; UQ29846, 14.7g, sphere; UQ29847, 4.5g, sphere; UQ29848, 7.8g, sphere; UQ29849, 5.3g, sphere; UQ29850, 4.8g, sphere; UQ29851, 4.1g, sphere; UQ29852, 33.2g, flattened sphere; UQ29853, 3.8g, flattened sphere; UQ29854, 27.8g, elongate; UQ29855, 33.0g, elongate; UQ29856, 19.4g, elongate; UQ29857, 16.0g, elongate; UQ29858, 16.5g, elongate; UQ29859,

8.6g, elongate; UQ29860, 10.5g, apioid; UQ29861, 6.5g, apioid; UQ29862, 4.0g, irregular; UQ29863, 1.6g, irregular; UQ29864, 1.7g, irregular; UQ29865, 2.5g, irregular; UQ29866, 2.2g, irregular; UQ29867, 1.4g, irregular; UQ29868, 1.4g, irregular; UQ29869, 0.9g, irregular; UQ29870, 1.2g, irregular; UQ29871, 2.1g, irregular; UQ29872, 0.7g, irregular; UQ29873, 1.0g, irregular; UQ29874, 0.6g, irregular; UQ29875, 2.6g, sphere; UQ29876, 0.8g, irregular; UQ29877, 1.0g, irregular; UQ29878, 0.7g, irregular; UQ29879, 1.5g, flattened sphere; UQ29880, 2.3g, sphere; UQ29881, 1.9g, sphere; UQ29882, 0.6g, 'Moldavite-like'; UQ29883, 1.2g, 'Moldavite-like'; UQ29884, 5.8g, pseudo-australite.

LOCALITY. Santo Mesa Rizal Province, Luzon Island, Philippines. Coll. Otley Beyar & F.W. Whitehouse.

UQ29885, 20.0g, irregular; UQ29886, 12.9g, irregular; UQ29887, 5.7g, irregular; UQ29888, 7.9g, irregular (slightly discoloured by fire); UQ29889, 9.2g, irregular (slightly discoloured by fire).

LOCALITY. Kubao Site, Rital Province, Luzon Island, Philippines. Coll. Otley Beyar & F.W. Whitehouse.

UQ29891, 84.6g, irregular; from inland placer near Bathaloni; UQ29892, 132.1g, Spherical; specimen buried Coco Grove placers at Paracole.

LOCALITY. Bikol Site, Caramines Norte Province, Luzon, Philippines. Coll. Otley Beyar & F.W. Whitehouse.

UQ29893, 15.6g, irregular; UQ29894, 8.6g, irregular; UQ29895, 4.6g, irregular; UQ29896, 2.7g, irregular; UQ29897, 2.3g, irregular.

LOCALITY. Busuanga Island, Philippines. (Kalamian or Busuanga Tektites). Coll. Otley Beyar & F.W. Whitehouse.

### Phil-amerikanites

UQ29898, -, missing; UQ29899, 8.5g, irregular; UQ29900, 6.9g, irregular; UQ29901, 6.4g, irregular; UQ29902, 3.3g, irregular; UQ29903, 4.4g, irregular; UQ29904, 5.8g, irregular; UQ29905, 2.5g, irregular; UQ29906, 3.1g, irregular; UQ29907, 2.5g, irregular; UQ29908, 0.6g, irregular; UQ29909, 3.0g, chip; UQ29910, 0.3g, irregular; UQ29911, 21.3g, sub-spherical; UQ29912, 13.4g, Sub-spherical; UQ29913, 13.9g, sub-spherical; UQ29914, 3.5g, sub-spherical; UQ29915, 17.2g, elongated; UQ29916, 3.3g, sub-oval; UQ29917, 12.2g, elongated; UQ29918, 9.5g, elongated; UQ29919, 11.0g, irregular; UQ29920, 3.1g, sub-spherical; UQ29921, 0.5g, irregular.

LOCALITY. Santa-Mesa Site, Rizal Province, suburb of Manila. Coll. Otley Beyar & F.W. Whitehouse.

### Australites

UQ29923, 3.0g, half indicator; UQ29924, 3.8g, indicator; UQ29925, 3.5g, indicator; UQ29926, 2.7g, indicator; UQ29927, 1.7g, lens; UQ29928, -, missing; UQ29929, 5.8g, core; UQ29930, 5.0g, core; UQ29931, 3.3g, lens; UQ29932, 8.2g, sub-spherical; UQ29933, 13.7g, core; UQ29934, 6.5g, core; UQ29935, -, missing; UQ29936, -,

missing; UQ29937, 4.3g, core; UQ29938, 4.8g, core; UQ29939, 3.1g, core; UQ29940, -, missing; UQ29941, 6.0g, elongate; UQ29942, -, missing; UQ29943, 5.5g, elongate; UQ29944, 5.9g, elongate; UQ29945, 3.4g, elongate; UQ29946, -, missing; UQ29947, 4.9g, elongate; UQ29948, 19.1g, core; UQ29949, 15.9g, core?; UQ29950, 9.0g, fragment; UQ29951, 8.1g, fragment; UQ29952, -, missing; UQ29953, 17.8g, apioid; UQ29954, 3.2g, water-worn fragment; UQ29955, 2.5g, water-worn fragment; UQ29956, 1.8g, conical; UQ29957, 1.7g, conical; UQ29958, 1.6g, boat-shaped lens; UQ29959, 12.5g, elongate (dumbbell); UQ30061, 9.9g, circular core; UQ30062, 6.2g, core; UQ30063, 6.2g, lens; UQ30082, 3.5g, water-worn and chipped core.

LOCALITY. Charlotte Waters, NT. Coll. F.W. Whitehouse (30061-30063). Coll. Otley Beyar & F.W. Whitehouse.

UQ29960, 18.5g, spherical; UQ29961, 6.9g, core; UQ29962, 4.8g, core; UQ29963, 4.6g, non-descriptive; UQ29964, 7.1g, elongate; UQ29965, 14.8g, elongate.

LOCALITY. Todmorden, South Australia.

UQ29966, -, missing; UQ29967, 2.2g, indicator; UQ29968, 21.3g, core; UQ29969, 8.5g, core; UQ29970, 16.4g, half of a core; UQ29971, 12.0g, core; UQ29972, 7.2g, core; UQ29973, 4.8g, elongate (dumbbell); UQ29974, 3.6g, circular dish.

LOCALITY. Bloods Creek, South Australia.

UQ29975, 31.5g, core?; UQ30083, 30.1g, water-worn core.

LOCALITY. 160km east of Alice Springs (?), Central Australia. Coll. Mr McDill.

UQ29976, 10.5g, water-worn core?; UQ29977, 13.0g, spherical; UQ29978, 4.7g, elongate core?; UQ30084, 11.6g, water-worn core; UQ30085, 1.3g, Half dumbbell; UQ30086, 31.8g, fractured spheroid; UQ30087, 4.8g, button with part of flange missing; UQ30088, 4.2g, apioid with flange; UQ30089, 1.0g, fragment of lens; UQ30090, 1.5g, core; UQ30091, 1.6g, core; UQ30092, 1.3g, core.

LOCALITY. Eastern Goldfields, Kalgoorlie area, WA. Coll. Otley Beyar & F.W. Whitehouse.

REMARKS. Locality for UQ30085 is marked in the register as 'Query (?)', but is given as 'Eastern Goldfields, Kalgoorlie area, WA' in curation notes.

UQ29979, 16.8g, oval core; UQ29980, 1.0g, lens.

LOCALITY. Tin fields, north Queensland.

UQ29981, 13.6g, core; UQ29982, 12.3g, core; UQ29983, 8.2g, elongate; UQ29984, 10.1g, elongate; UQ29985, 10.4g, core?; UQ29986, 5.1g, core fragment.

LOCALITY. Memory Bore, Dalhousie, South Australia.

UQ29987, 4.1g, lens; UQ29988, 0.9g, lens; UQ29989, 0.9g, lens; UQ29990, 0.7g, lens; UQ29991, 1.1g, lens; UQ29992, 10.0g, core; UQ29993, 9.7g, core; UQ29994, 6.1g, core; UQ29995, 6.0g, core; UQ29996, 5.9g, core; UQ29997, 3.3g, core; UQ29998, 2.5g, core; UQ29999, 5.0g, core; UQ30000, 7.1g, core; UQ30001, 7.8g, core; UQ30002, 2.3g, core; UQ30003, 3.4g, core; UQ30004, 14.1g, lens; UQ30005, 3.5g, lens; UQ30006, 2.2g, lens; UQ30007, 2.1g, lens; UQ30008, 1.9g, lens; UQ30009, 10.0g, ovate; UQ30010, 7.6g, ovate; UQ30011, 5.7g, ovate; UQ30012, 4.6g, ovate; UQ30013, 5.6g, ovate; UQ30014, 4.3g, ovate; UQ30015, 2.9g, ovate; UQ30016, 2.8g, ovate; UQ30017, 1.3g, ovate; UQ30018, 0.8g, ovate; UQ30019, 7.6g, ovate; UQ30020, 9.2g, ovate; UQ30021, 3.3g, ovate; UQ30022, 4.2g, ovate; UQ30023, 6.8g, ovate; UQ30024, 4.7g, ovate; UQ30025, 12.2g, core; UQ30026, 6.8g, fragment; UQ30027, 1.7g, button fragment with flange; UQ30028, 3.5g, chips; UQ30029, 1.5g, chips; UQ30030, 22.5g, chipped and weathered core; UQ30031, 18.6g, chipped specimen; UQ30032, 11.9g, water-worn core; UQ30033, 7.4g, water-worn core; UQ30034, 8.5g, water-worn core; UQ30035, 6.3g, water-worn core; UQ30036, 6.7g, water-rounded specimen; UQ30037, 4.3g, water-rounded specimen; UQ30038, 4.3g, core?; UQ30039, 10.1g, fragment; UQ30040, 4.1g, ovate core; UQ30041, 2.4g, ovate indicator; UQ30042, 1.9g, indicator; UQ30043, 0.8g, lens; UQ30044, 3.1g, water-rounded specimen?; UQ30045, 1.4g, core?; UQ30046, 1.4g, core; UQ30047, 3.8g, lens; UQ30048, 2.4g, fragment; UQ30049, 4.0g, fragment; UQ30050, 3.9g, fragment; UQ30051, 2.0g, fragment; UQ30052, 3.3g, fragment; UQ30053, 2.8g, fragment; UQ30054, 2.2g, fragment; UQ30055, 2.9g, fragment; UQ30056, 6.1g, fragment; UQ30057, 2.4g, fragment; UQ30058, 3.2g, fragment; UQ30059, 0.7g, fragment; UQ30060, 0.9g, fragment.

LOCALITY. Finnis Springs, South Australia.

UQ30064, 4.7g, water-rounded specimens.

LOCALITY. Queensland.

#### Moldavites

UQ30093, 3.5g; UQ30094, 2.0g; UQ30095, 3.6g; UQ30096, 2.7g; UQ30097, 4.2g; UQ30098, 1.8g; UQ30099, 10.0g; UQ30100, 3.8g; UQ30101, 6.1g; UQ30102, 5.1g; UQ30103, -, missing; UQ30104, 2.5g; UQ30105, -, missing; UQ30106, 2.3g; UQ30107, 2.7g; UQ30108, 1.5g; UQ30112, 1.9g; UQ30113, 1.5g; UQ30114, 1.1g; UQ30115, 1.1g; UQ30116, 1.6g; UQ30117, 0.9g; UQ30118, 1.2g; UQ30119, 1.0g; UQ30120, 8.7g, bulk collection.

LOCALITY. Habn, Sundbohenen.

#### 'Darwin glass' (impact glass)

UQ4515.

LOCALITY. 10 Mile Hill, Kelly's Basin Railway, Mt Lyell, Tasmania.

REFERENCE. Fudali & Ford (1979).

#### Stishovite

UQ8208

LOCALITY. Meteor Crater (Coconino County), Arizona, USA.

#### Stishovite and coesite

UQ11153.

LOCALITY. Northern Arizona (USA), Borninger Meteor Crater.

#### Lechatelierite

UQ11154

LOCALITY. Northern Arizona (USA), Borninger Meteor Crater.

#### Pulverised rock flour

UQ11155

LOCALITY. Northern Arizona (USA), Borninger Meteor Crater.

#### Aeolian sand

UQ11156

LOCALITY. Northern Arizona (USA), Borninger Meteor Crater.

#### Fused sand and thin section

UQ11158

LOCALITY. Impact area in Henbury, SA.

#### Densite rocks associated with Henbury Meteorite

UQ11161

LOCALITY. Henbury, SA.

#### Suevite

UQ43006

LOCALITY. Found in Quarry in Altebury, Nordinger, west Germany.

#### Metallic spheroids

UQM4859

LOCALITY. Arizona Meteorite Crater, Arizona (USA).

#### ACKNOWLEDGEMENTS

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