

Meteorite Name: **Henbury**
 Country: Australia
 State/District: Northern Territory
 Co-ordinates: 24°34'S, 133°10'E
 Date of find : 1931

Total known weight: 2,000kg (more than)
 Number of pieces: unknown

Classification:

Type: Iron **IIIA**
 Octahedrite, medium (0.9mm)

Mineral
 Analyses:

Pairings: *not known*

Synonyms: *Basedow Range*
Gallipoli
Glen Helen
Hamilton Hotel
Hembury
Mataranka
Nutwood Downs

Description and references:

A large number of fragments was found outside, and a few inside, the craters; about 1500lb had been collected by June 1933. Description, A.R.Alderman, Min. Mag., 1932, 23, p.19. Further description and analysis, A.R.Alderman, Rec. S. Austr. Mus., 1932, 4, p.561. See also, with analyses of the glass and the local sandstone, L.J.Spencer, Min. Mag., 1933, 23, p.387. Distribution and sculpturing of specimens from the major craters, D.McColl, Meteoritics, 1990, 25, p.384 (abs.). Specimens in weight of 2000kg are known in collections. The formation age of the craters is about 4,700 years, E.M.Shoemaker et al., Meteoritics, 1990, 25, p.409 (abs.). Hg abundance, N.A.Ozerova et al., GCA, 1973, 37, p.569. Analysis, synonymous with Basedow Range and Nutwood Downs, 7.47% Ni, 17.7 ppm Ga, 33.7 ppm Ge, 13 ppm Ir, E.R.D.Scott et al., GCA, 1973, 37, p.1957. Further analyses, J.R.de Laeter, J. Roy. Soc. West. Austr., 1973, 56, p.123. Cd and Zn abundances, K.J.R.Rosman and J.R.De Laeter, GCA, 1974, 38, p.1665. Description, deformation of metal, Gallipoli and Nutwood Downs transported Henbury, V.F.Buchwald, Handbook of Iron Meteorites, Univ. of California, 1975, p.638, 1385, 1408, A.L.Graham et al., Cat. Met., 1985, p.165. Nitrogen, Li-6, Co,

Fe and Ir abundances in acid resistant phases, S.V.S.Murty et al., GCA, 1983, 47, p.1061. Nitrogen isotopic composition, I.A.Franchi et al., GCA, 1993, 57, p.3105, C.A.Prombo and R.N.Clayton, GCA, 1993, 57, p.3749. Be-10 and Al-26 data, H.Nagai et al., GCA, 1993, 57, p.3705.

Repositories of specimens:

536kg: London, Nat. Hist. Mus.
 230kg: Canberra, Austr. Nat. Univ.
 227kg: Washington, U.S. Nat. Mus.
 174kg: Tempe, Arizona State Univ.
 171kg: Melbourne, Nat. Mus. Victoria
 133kg: Adelaide, South Austr. Mus. [over 100 pieces]
 62.1kg: New York, Amer. Mus. Nat. Hist.
 61kg: Sydney, Austr. Mus. [approx. weight]
 43.8kg: Brisbane, Queensland Mus.
 36kg: Idar-Oberstein, Germany, Heimatmuseum [single piece]
 30kg: Tucson, Haag Colln.
 23.9kg: Tübingen, Min.-Petrogr. Inst.
 23.4kg: Amsterdam, Univ. Geol. Inst.
 20.1kg: Chicago, Field Mus. Nat. Hist.
 19.25kg: Toronto, Roy. Ontario Mus.
 13.1kg: Mainz, Max-Planck-Inst. Chemie
 9.98kg: Fort Worth, Texas Christ. Univ., Monnig Colln.
 9.24kg: Berlin, Mus. Naturk., Humboldt Univ.
 7.9kg: Paris, Mus. d'Hist. Nat.
 7.9kg: Vienna, Naturhist. Mus.
 7.35kg: Budapest, Nat. Mus.
 6.65kg: Buenos Aires, Asoc. H. Pampa
 6.0kg: Calcutta, Mus. Geol. Surv. India
 5.0kg: Perth, Govt. Chem. Lab.
 4.83kg: Oslo, Min.-Geol. Mus.
 2.6kg: Los Angeles, Univ. of Calif.
 2.4kg: Watchung, N.J., DuPont Colln.
 2.35kg: Harvard Univ.
 2.34kg: Bern, Naturhist. Mus.
 2.2kg: Perth, West. Austr. Mus. [min. weight]
 2.1kg: Geneva, Mus. d'Hist. Nat.
 2.05kg: Hanau, Zeitschel Colln. 2130 g
 2kg: Cambridge, Univ.
 1.88kg: Zürich, J.Nauber Colln.
 1.6kg: Ann Arbor, Univ. of Michigan [approx. weight]
 1.37kg: Ottawa, Mus. Geol. Surv. Canada
 1.27kg: Helsinki, Geol. Mus. Univ.
 1.1kg: Kankakee, Illinois, J.Schwade Colln.
 1112g: Minsk, Geol. Mus.
 1091g: Albuquerque, Univ. of New Mexico
 1049g: Köln, Univ.
 1004g: Moscow, Acad. Sci.
 1.0kg: Heidelberg, Max-Planck-Inst.

1kg: Yale Univ., Peabody Mus.
993g: Rio de Janeiro, Mus. Nac.
947g: Gloggnitz, Franger Colln.
840g: Tallinn, Geol. Inst. Acad. Sci.
790g: Copenhagen, Univ. Geol. Mus.
764g: San Francisco, Acad. Sci.
620g: Mainz, MPI Chemie, F.A.Planeth Colln.
552g: Amsterdam, Nat. Inst. Kernfys.
540g: Tokyo, NIPR
538g: Stockholm, Naturhist. Riksmus.
536g: Prague, Nat. Mus.
527g: Los Angeles, Griffith Observatory
503g: Perugia, Min. Inst. Univ.
443g: Paris, A.Carion Colln.
438g: Freiberg, Sächs. Bergakad.
434g: Darmstadt, Landesmus.
427g: Augsburg, Heinlein Colln.
402g: Münster, Univ.
398g: Prague, Chem. Tech. School
378g: Rome, Inst. Min. Mus.
353g: Jena, Min. Inst. Univ.
353g: La Plata, Mus.
268g: Villiers, Guibert Colln.
265g: Leiden, Geol. Min. Mus.
255g: Wiesbaden, Mus.
246g: Kazan, Geol.-Min. Mus., Ulyanov Univ.
243g: Utrecht, Lab. Geofis. Geochem.
235g: Freiburg, J.Otto Colln.
234g: Greifswald, Geol. Dept. Univ.
220g: Bonn, Min. Mus. Univ.
212g: Sydney, Mining and Geol. Mus.
208g: Dresden, Min. Geol. Mus.
207g: Belgrade, Nat. Hist. Mus.
205g: Cluj, Min. Mus. Univ.
201g: Tautenburg, Richter Colln.
200g: Belgrade, Nat. Hist. Mus.
189g: Odessa, Geol.-Min. Mus. Univ.
175g: Gifhorn, Bartoschewitz Colln.
170g: Ashland, Northland College
170g: Oshkosh, Wisconsin, Public Mus.
166g: Würzburg, Min. Mus.
147g: Oxford, Univ. Mus.
130g: Northfield, Minnesota, Carleton College
104g: Munich, Min. Mus.
104g: Schönenwerd, Bally-Prior Mus.
95g: Münster, Min. Mus.
71g: Colorado Springs, Tiara Observatory
60g: Berlin, Tech. Univ.
58g: Sarajevo, Bosnian Nat. Mus.
56g: Port Elizabeth, Geol. Dept. Univ.
53.2g: Grenchen, T.Stuedi Colln.

46g: St. Petersburg, Mining Mus.
40.7g: Hamburg, Mus. Min.-Petrogr. Inst.
28g: Houston, E.A.King Colln.
27g: Oeschgen, Beat Booz Colln.
26.2g: Violau, Volkssternwarte
26g: Marburg, Min. Mus. Univ.
26g: Zürich, ETH
25g: Graz, M.Stangl Colln.
24g: Milan, Mus. Civico di Storia Nat.
19g: Malta, Montana, M.Cilz Colln.
18g: Paris, École des Mines
10g: Machecoul, Guibert Colln.
8g: Freiburg, Min.-Petrogr. Inst.
2g: Lausanne, Mus. Géol.

Repositories of prepared sections:

Bern, Naturhist. Mus. (PS)
Cambridge, Univ. (PS)
Canberra, Austr. Nat. Univ. (PS)
Chicago, Field Mus. Nat. Hist. (PS)
Heidelberg, Max-Planck-Inst. (IPS)
London, Nat. Hist. Mus. (PS)
Tempe, Arizona State Univ. (PS)
Washington, U.S. Nat. Mus. (PS)