

Meteorites

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NOTE: This listing, effective April 10, 1972, replaces all previously issued catalogs.

SIDERITES (NICKEL-IRONS)

Meteorites composed primarily of nickel-iron and its alloys. Siderites are sold either as "rough" specimens--complete as found--or cut, polished, and etched to reveal the Widmanstätten figures. Specimens hereinafter listed will be noted "rough" or "etched" to denote their state. Specimens are priced not only by weight but also with consideration for their shape and surface features. Surface measurements, where given, are shown in centimeters (1 inch = 2.54 cm.) and indicate approximate area rather than shape.

Canyon Diablo, Arizona. Coarse octahedrite. Found and described 1891. These meteorites are fragments of the large meteorite which smashed into the Arizona desert near Winslow and exploded to form the Arizona meteorite crater.

Etched specimens:

H37.292	End piece, 4.5 x 6.5 cm. etched face, 723.3 grams.	\$ 59.75
H37.293	End piece, 4 x 5.5 cm. etched face, 513.4 grams.	48.25
34.5055	End piece, 2.9 x 3.2 cm. etched face, 236 grams.	28.05
34.5177	End piece, 2.9 x 3.2 cm. etched face, 207 grams.	25.70
H37.182	End piece, 2.3 x 4.5 cm. etched face, 180.5 grams.	23.20
H37.185	End piece, 3 x 3.3 cm. etched face, 158.3 grams.	22.85
H37.187	End piece, 2.5 x 3.5 cm. etched face, 127 grams.	19.90
H37.186	End piece, 2.6 x 3.5 cm. etched face, 115.5 grams.	13.50
H37.295	End piece, 2 x 3.5 cm. etched face, 71.8 grams.	13.75
H37.298	End piece, 2 x 3 cm. etched face, 55.4 grams.	11.30
H37.221	End piece of heated specimen, 1.8 x 2 cm. etched face exhibits cohenite inclusions, 28.1 grams.	9.00
H37.299	End piece, 1.5 x 3 cm. etched face, 36.5 grams.	7.95

Rough specimens:

34.5434	5560	grams	\$ 205.70	34.4747	384	grams	\$ 23.85
34.5424	2799		122.05	34.5425	358		23.25
H37.302	1944		89.05	34.5323	289		21.25
34.5157	1437		67.50	34.5329	235		19.25
H37.238	1080		55.75	34.5129	190		18.15
34.5432	786.5		43.25	34.5418	160		15.95
34.5433	560.8		31.45	H37.282	129		14.30
34.5160	493		28.95	H37.92	50.7		7.00
34.5325	476		28.05	H37.241	31.1		4.60

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Elyria, Kansas. Medium octahedrite. Recognized 1971.

Specimens show preterrestrial heating:

H124.6	Slice, 6 x 14 cm., 313.2 grams.	\$ 372.70
H124.8	Slice, 5 x 13 cm., 244.8 grams.	291.30
H124.11	Part slice, 5.5 x 7 cm., 145.8 grams.	173.50
H124.12	Part slice, 3 x 6.5 cm., 77.7 grams.	92.45

Henbury, Central Australia. Medium octahedrite. Found 1931.

The following specimens exhibit good Widmanstätten figures and Neumann lines but show lines of stress heating and incipient shearing:

H66.25	Slice, 5.5 x 9 cm., 175.6 grams.	\$ 77.25
H66.18	Slice, 4.5 x 7.8 cm., 141 grams.	52.05
H66.37	Part slice, 3.8 x 5.5 cm., 73.9 grams.	32.50

Rough specimens:

H66.39	83.2 grams	\$ 29.10	H66.56	22.2 grams	\$ 7.90
H66.41	50.9	17.80	H66.54	10.6	3.75
H66.42	37.1	13.00	H66.63	6.7	2.40
H66.45	27.6	9.65	H66.68	2.9	1.05

Landes, West Virginia. Iron with silicate inclusions. Recognized 1968.

H91.16	Part slice, 8.5 x 12.5 cm., 399.6 grams.	\$ 399.60
H91.24	Part slice, 6.5 x 8.5 cm., 215.3 grams.	215.30
H91.50	Part slice, 5 x 7.5 cm., 115.5 grams.	115.50
H91.49	Part slice, 1.7 x 6.5 cm., 30.1 grams.	30.75

Odessa, Texas. Coarse octahedrite. Found 1922.

91.234	End piece, 8 x 12.5 cm. etched face exhibits 6 troilite-graphite nodules, the largest 9 x 10 mm., and one 4.5 x 13 mm. "M" shaped schreibersite-cohenite inclusion, 4713 grams.	\$848.35
H10.164	Slice, 8 x 12.5 cm., exhibits 12 troilite-graphite nodules, the largest 1 x 3.5 cm., 554 grams.	147.75
H10.197	Slice, 3.7 x 6 cm., exhibits several schreibersite inclusions, 103.2 grams.	25.95
H10.198	End piece, 2.5 x 5.2 cm. etched face exhibits numerous cohenite inclusions, 134 grams.	33.50
H10.199	Part slice, 3 x 4.5 cm., exhibits 10 x 35 mm. graphite-troilite nodule, 39 grams.	13.75

Xiquipileo, Mexico. Medium octahedrite. Known before 1776.

128.655	Slice, 6.5 x 8.5 cm., 240 grams.	\$ 68.40
128.653	Part slice, 5 x 10 cm., exhibits 4 troilite-graphite nodules, the largest 13 x 22 mm., 198.7 grams.	74.60
128.614	Slice, 5 x 10 cm., 194 grams.	56.85
128.642	Part slice, 3 x 4.7 cm., exhibits 7 x 13 mm. schreibersite-cohenite-troilite-graphite complex, 56.4 grams.	17.60

AEROLITES (STONES)

Meteorites composed for the most part of silicate minerals, containing a minor but varying content of nickel-iron and sulfides.

Ashmore, Texas. Olivine bronzite chondrite. Found 1969.

H105.10	Part slice, 10.5 x 13.5 cm., 260.7 grams.	\$ 91.25
H105.3	Part slice, 9.2 x 10 cm., 162.8 grams.	57.45
H105.13	Part slice, 7.2 x 10 cm., 132.2 grams.	46.90
H105.23	Part slice, 4.2 x 9.4 cm., 74.6 grams.	26.70

Brownfield, Texas. Olivine bronzite chondrite. Found 1937.

H15.103	Slice, 13 x 15 cm., 610.1 grams.	\$ 274.50
H15.104	Slice, 12.5 x 15.5 cm., 366.4 grams.	164.85
H15.85	Part slice, 7 x 10 cm., 143.8 grams.	66.95
H15.106	Part slice, 5.5 x 7 cm., 84.1 grams.	37.90

Calliham, Texas. Olivine hypersthene chondrite. Recognized 1958.

670.76	Part slice, 14 x 18 cm., 446 grams.	\$ 173.40
670.99	Part slice, 10.5 x 15.5 cm., 311.8 grams.	124.70
670.109	Part slice, 6.8 x 11 cm., 147.2 grams.	58.90
670.112	Part slice, 4.5 x 7 cm., 65.5 grams.	26.20

Clovis (b), New Mexico. Olivine bronzite chondrite. Recognized 1963.

H8.45	Slice, 10.5 x 13 cm., 260.5 grams.	\$ 143.25
H8.27	Slice, 8 x 13 cm., 187.5 grams.	103.15
H8.43	Part slice, 5.5 x 12 cm., 119.9 grams.	65.95
H8.31	Part slice, 5.3 x 6 cm., 50.4 grams.	27.80

Dalhart, Texas. Chondrite. Found 1968.

H84.22	Slice of fragment, 5.5 x 8.5 cm., 97.3 grams.	\$ 97.30
H84.7	Slice of fragment, 6 x 8.3 cm., 77.1 grams.	77.10
H84.4	Part slice, 4 x 5.7 cm., 33.9 grams.	33.90
H84.20	Part slice, 2.7 x 2.9 cm., 11.5 grams.	11.50

Densmore, Kansas. Olivine hypersthene chondrite. Found 1879.

From stone recovered in 1965:

H41.51	Part slice, 11 x 12.5 cm., 337.2 grams.	\$ 123.05
H41.63	Part slice, 9 x 9 cm., 235 grams.	85.75
H41.81	Part slice, 5.7 x 7.5 cm., 96.4 grams.	35.20

Dimmitt, Texas. Olivine bronzite chondrite. Recognized as distinct fall, 1950.

H9.62	End piece, 4.5 x 7 cm. polished face, 333.8 grams.	\$ 108.50
H9.195	Slice, 4.5 x 7.8 cm., 104 grams.	35.30
H9.183	Slice, 5.5 x 6.2 cm., 55.9 grams.	18.95
H9.188	Slice, 4 x 7.3 cm., 41.5 grams.	14.10

Edmonson, Texas. Chondrite. Recognized 1965.

H31.57	Slice of fragment, 10 x 16 cm., 308.9 grams.	\$ 137.45
H31.3	Slice of fragment, 8.5 x 15 cm., 236 grams.	106.20
H31.54	Slice of fragment, 4.5 x 12.5 cm., 114 grams.	51.30
H31.70	Part end piece, 3 x 8 cm. polished face, 126.4 grams.	56.90

Grady (c), Curry Co., New Mexico. Chondrite. Recognized 1970.

H112.3	Slice, 8 x 9.5 cm., 139.9 grams.	\$ 118.90
H112.4	Slice, 7 x 8.5 cm., 107.2 grams.	91.10
H112.7	Slice, 6.5 x 7.5 cm., 80 grams.	68.00
H112.9	Slice, 5 x 7.5 cm., 66.8 grams.	56.30

Gruver, Texas. Spherical crystalline chondrite. Found 1934.

H54.85	Part slice, 6 x 6.5 cm., 102 grams.	\$ 45.90
H54.75	Part slice, 2.5 x 5.5 cm., 32.3 grams.	14.50
H54.76	Part slice, 2.3 x 3.5 cm., 14.7 grams.	6.65

Lakewood, New Mexico. Chondrite. Recognized 1966.

H53.76	End piece, 7.3 x 10 cm. polished face, 580.4 grams.	\$ 162.50
H53.50	Uncut fragment with crust, 448.3 grams.	125.50
H53.75	Slice of fragment, 8 x 10 cm., 163.3 grams.	49.00
H53.57	Slice of fragment, 7 x 7.5 cm., 85.9 grams.	25.75
H53.72	Slice of fragment, 4.5 x 5.7 cm., 40.1 grams.	12.05

Loop, Texas. Olivine hypersthene chondrite. Found 1962.

H20.28	Slice, 7 x 14 cm., 164.7 grams.	\$ 102.10
H20.23	Slice, 5.5 x 12 cm., 120.9 grams.	74.95
H20.25	Part slice, 7 x 7.5 cm., 90.8 grams.	56.30
H20.26	Slice, 4.5 x 7.8 cm., 56.2 grams.	34.85

Lills, New Mexico. Olivine bronzite chondrite. Found 1970.

H120.18	Slice of fragment, 15.5 x 16.5 cm., 534 grams.	\$ 160.20
H120.7	Slice of fragment, 9.5 x 10.5 cm., 202.1 grams.	60.65
H120.56	Slice of fragment, 6.5 x 7.8 cm., 126.3 grams.	37.90
H120.52	Slice of fragment, 5 x 8 cm., 93.4 grams.	28.05
H120.49	Slice of fragment, 4.5 x 5.3 cm., 46.4 grams.	13.95
H120.57	End piece of fragment, 3.7 x 6.5 cm. polished face, 165.8 grams.	49.75

Plains, Texas. Olivine hypersthene chondrite. Found 1964.

H58.50	Part slice, 6.2 x 11.5 cm., 153.5 grams.	\$ 57.05
H58.39	Corner piece, 43.5 sq. cm. polished face of 4 sides, 93.5 grams.	33.65
H58.57	Part slice, 5.1 x 5.5 cm., 54.1 grams.	19.50