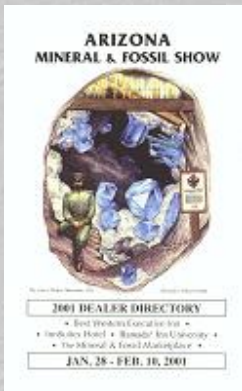


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Macovich Meteorite Auction



On Sunday, February 4th I attended the Macovich Meteorite Auction held beginning at 10:30 am at the Inn Suites Show. The Inn Suites is one of four locations for the Arizona Mineral and Fossil Show, which are organized and promoted by [Martin Zinn Expositions](#). The Arizona Mineral and Fossil Shows are public shows and retail customers and traffic are welcome by most of the participating dealers. The other Arizona Mineral and Fossil Show locations are at the Executive Inn, the Ramada Inn and the Mineral and Fossil Marketplace. The Inn Suites is located at 475 North Granada, which is about half way between the Executive/Ramada Inns and the Tucson Convention Center in downtown Tucson.

The weather has improved greatly with a high pressure zone displacing the storm that wet and cooled the beginning of this year's Show last weekend, and browsers enjoyed Tucson's legendary sunny February skies with high temperatures approaching the 80s throughout this weekend. The weather today simply could not have been finer for attending the Macovich Meteorite Auction, which was conducted outdoors in

the Inn Suites courtyard.



This event was billed as the world's first cataloged, all meteorite auction and registration as a bidder and buyer was open to the public at large, with hobbyist meteorite collectors and enthusiasts such as myself in addition to professional meteorite dealers, institutions, knife and jewelry makers, and other interested parties competing for the rocks with their dollars on the same playing field, and you could even rock now and pay later via your charge card...

127 lots were listed in a 5 page catalog available to prospective participants prior to the auction. Most of the auctioned lots consisted of single specimens but some contained multiple slices or pieces from the same fall, and one lot contained specimens from three different falls. The meteorites up for auction were available for viewing and study an hour prior to the beginning of the bidding and displayed in two well lighted glass cases in the Macovich Meteorite Collection's room (404) at the Inn Suites.



I estimated there were roughly 100 or so attendees gathered around and seated in the bidder's gallery at the beginning of the auction. I am not that familiar with many of the faces associated with the meteorite collecting world, but in addition to recognizing a number of prominent meteorite dealers who show at Tucson and on the WWW present in the bidder's gallery, I also noted O. Richard Norton and Dorothy S. Norton who are highly regarded meteorite authorities and the authors of the popular meteorite book *Rocks from Space*.

Including the hour preview beginning at 9:30, attending this auction consumed about 4 hours, and by its end the participants in attendance had thinned down to perhaps a quarter of those present at the beginning.

According to the catalog there were minimum reserves placed on about 40 of the specimens offered, so a significant percentage of the specimens were not placed on the block as high bid takes them, sell at whatever they fetch kind of deal. I also noted that the auctioneer 'passed' on about 15 specimens which were not indicated as reserved in my catalog including lot numbers 9, 10, 11, 12, 22, 26, 65, 85, 88, 99, 100, 101, 103, 112 and 120. This was somewhat confusing to me and difficult to reconcile with the documentation, and left me wondering how many of the meteorites that did sell were also actually subject to minimum bid reserves but were not indicated as such in the distributed catalog.

I felt that this auction lasted somewhat longer than it needed to and was dragging towards the end due to some unproductive putzing around with specimens bearing reserves that were obviously set above what the buyers who were bidding and plunking down their meteorite money at this auction and of course elsewhere at the Show considered to be attractive values. The reserve amounts were not disclosed in the catalog where reserves were indicated, and the bidding often seemed to be started by the auctioneer below the minimum reserve. My impression was this practice of conducting bidding below the reserves didn't result in selling anything that wasn't going to sell anyway, and think it only wasted time when the bidding ended short of the undisclosed reserve and the auctioneer passed on selling the piece. According to the notes I compiled as the auction progressed, about 30 percent of all the specimens offered failed to fetch bids meeting or exceeding reserves and did not sell. I noted that the Sahara Desert meteorites in particular (numbers 8 - 12) seemed to lack appeal with each of the five Sahara specimens offered seeming to want reserves that were significantly higher than any of the attending buyers was willing to meet.

Time is a valuable commodity for everyone attending the Tucson Shows, buyers and sellers alike, and I'd like to suggest that future Macovich Meteorite Auctions and others that may spin off it would be improved significantly by publishing the minimum bids required to purchase each of the lots in the auction catalog up front so as to not waste everyone's time soliciting and dragging empty bids across the block that don't meet the reserve price and aren't going to take the piece home. If future meteorite auctions grow and entail offering even more material, especially more reserved material, I hope that the practice of publishing and starting off the bidding at the reserved minimums will be adopted as standard operating procedure and protocol.

Now I haven't attended a whole lot of meteorite auctions before so I might be missing something here and maybe I'm getting nit picky, but it also seems to this Missouri farm boy that when an auction catalog states "Lots with reserves are indicated by a bullet" that implies lots without indicating bullets are without reserves and subject to sale for the highest bid, and there should not be any auctioneer passing on the highest bid for those lots...(?)



The space rocks that seemed to most excite the bidders were a couple of witnessed falls that had struck things during their descent besides the ground. Of these, a 4000 gram specimen of Valeria 001 (Number 13) fetched \$7,000, the highest overall price paid for any of the meteorites selling at this auction according to my notes. This fall, dubbed "The Bovine Butcher of Venezuela", is documented to have hit and killed a cow upon impact.

A partial 23.9 gram slice of Peekskill (Number 122), a witnessed fall that hit and struck an automobile in Westchester County, New York in 1992 was auctioned and sold for \$1200. A piece of the tail-light accompanied this lot.

A partial 6.6 gram slice of Claxton (Number 33), a witnessed fall which was "delivered" directly into a Georgia mail box in 1984, generated a good deal of bidding action and sold for \$725, significantly above its pre-auction estimated maximum value of \$400. Meteorite dealer Blaine

Reed is shown at left holding the mailbox that got the message from God...

I've purchased two of the meteorites in my collection when they were shown by Blaine in his room at the Ramada Inn (110) at past Shows, and I particularly appreciate the cool factor of a [trio of specimens](#) I purchased from him last year featuring a Barringer Crater meteorite, thumbnail specimen of impactite, and a vial of iron/nickel spheroids that rained down upon the surrounding area from of a condensing cloud of superheated vapor when the big one hit here in Arizona near present day Winslow about 50,000 years ago. The meteorite specimen weighed about 150 grams and the entire set came to \$55. My Tucson buddy Tom likes it too and wanted one of these sets for a Christmas present for one of his nephews, so I tried to repeat that purchase this year during my tour at the Ramada Inn last weekend. But unfortunately Blaine had no mas and said he was pretty much out of the Meteor Crater specimen business, relating his source has begun marketing and selling specimens directly via the WWW and no longer has an incentive to discount them to Blaine and other dealers further removed from that digital food chain.

Another witnessed fall that is alleged to have hit and killed an animal was [Nakhla](#) (aka "Spot Remover") - one of 14 known meteorites considered by the scientific community to be of Martian origin, and reputed to have taken out a rather unfortunate dog when it fell in Egypt during 1911. While there was no Nakhla offered at the auction, it was interesting to me that there were specimens from the both of the only other known Martian nakhlite subgroup meteorites offered and sold here.

A reserved offering on a vial containing one gram of small fragments from Governador Valadares sold for \$2600 (Number 19). With only 158 grams known and only about 30 grams (150 carats) available outside of museums, this nakhlite is the rarest Martian rock available to private collectors. Now I've seen upscale, old Arizona turquoise priced at \$100 per carat, which works out to \$500 per gram, and here's the rarest available *Mars* rocks going for just 5 times that... However, \$4250 on a 911 milligram, thin partial slice of Governador Valadares with one edge of fusion crust (Number 20) failed to meet its reserve and was passed on by the auctioneer.

The other nakhlite subgroup Mars rock here was a 160 milligram fragment of the Lafayette (Number 15), a rock from Mars that was found in Indiana and which laid around unrecognized in the geological collections in Purdue University for an unknown number of years until it was identified as extraterrestrial. About 800 grams of the Lafayette are known to exist and this 160 milligram fragment of it fetched \$500.

Two specimens from LA 001, one of the two most recent Martian meteorites recognized, were also offered and sold at this auction, with a 1.29 gram partial slice with one edge of crust going at \$1900 and a 410 milligram small partial slice sold at \$500. This shergottite type meteorite together with LA 002 weigh approximately a pound and a half and were recovered by an incorrigible rockhound who works as an engineer for JPL. LA 001 and 002 were reportedly kept in a pile of yard rocks until his wife insisted he clean up their yard whereupon he finally took them into UCLA for analysis, where they were announced in January 2000 to be newly discovered Martians.

Another Martian offered at this auction that did not sell due to not making its minimum bid was a 53.3 gram partial slice of [Zagami](#) (Number 65) with crust along one edge. This Martian was an auctioneer pass at \$8500, although it was not indicated in the catalog as a reserved lot. Approximately 18 kilograms of Zagami are known to exist.

The following auction notes and "fine print" accompanied the catalog's specimen descriptions:

"You must register to participate. Dimensions of lots are approximate. There is a 12.5% buyer's commission on all lots. Credit card payments will be subject to a 3% surcharge. Purchase is subject to sales tax unless buyer provides resale number. Should you not be able to attend the actual sale, absentee bids can be executed through special arrangement. Low and high estimates are merely a guideline; the true value of any given specimen is determined by what it can be acquired for from a dealer, or what the specimen ultimately brings at a public offering."

Bidding increments were specified at \$10 for specimens with estimated values in the \$0-\$250 range, \$25 for the \$250-\$750 range, \$50 for the \$750-\$1500 range, \$100 for the \$1500-\$3000 range, \$250 for the \$3000-\$6000 range, \$500 for the \$6000-\$12,000 range, and \$1000 increments for \$12,000+ specimens.

According to my notes, 87 of the lots offered were sold with several of the catalogued specimens not auctioned due to accidentally being sold prior to the auction, being damaged or other reasons, with the balance being passed on due the bids failing to meet the reserved minimum prices. The lots that sold grossed approximately \$60,000 all up, not factoring in a 12.5 % commission and applicable sales taxes and a credit card surcharge. The average price paid per lot sold was about \$730. The three highest prices paid per lot after the \$7000 Valeria specimen previously mentioned were \$5000 for 35.3 grams of Banten (Number 47), \$4250 for 1215.9 grams of Watson (Number 87), and \$3250 for 98.9 grams of Axtell (Number 78).

For some reason after learning of this auction a day or two prior, I had the impression all the specimens on the block would be big money rocks beyond my means and I did not anticipate a goodly number of opportunities presented at this event for adding some bargain priced but really cool specimens to my own meteorite collection. I'm more educated now and for 2002 count on me budgeting for a new space rock or two for my collection and registering as a buyer at the next Macovich Meteorite Auction and getting in on some of this action for myself! The four least expensive lots sold were \$50 for 3.18 grams of Selakopi (Number 23), \$50 for 161.2 grams of Ghubara (Number 44), \$70 for 17.2 grams of Tjerebon (Number 119) and \$90 for 7.8 grams of Mangwendi (number 80). I noted a total of 19 lots of space rocks that sold for \$200 or less.

If you're a meteorite collector or wannabe, published below with the assistance of my HTML literate buddy [Jerry Ferrin](#) are the descriptions and auction results with the selling prices and reserved passes for the entire auction catalog of 127 meteorites, along with pictures I took of a score or so of them during the specimen viewing preceding the auction. Given the number of dealers and meteorite connoisseurs attending this event, I think these auction results provide a tangible baseline and reality check regarding real Tucson market values for specimens from quite a number of falls.

1. Bjurbole (witnessed fall)

Type: L/LL4

Date of fall/find: 3/12/1899

Total Weight Known: 330 Kg

Locality: Nyland, Finland

Specimen weight: 173.8 grams

Dimensions: 55 x 51 x 36 mm

Description of Lot: Fragment from the single mass; friable; loaded with chondrules; University of Helsinki provenance

Low - High Pre-Auction Value Estimate: \$600 - \$700

Auction results: Sold for \$425

2. Bjurbole (witnessed fall) (minimum bid reserved)

Type: L/LL4

Date of fall/find: 3/12/1899

Total Weight Known: 330 Kg

Locality: Nyland, Finland

Specimen weight: 409.5 grams

Dimensions: 101 x 56 x 41 mm

Description of Lot: Similar to the previous lot; loaded with chondrules; University of Helsinki provenance

Low - High Pre-Auction Value Estimate: \$1,400 - \$1,800

Auction results: Sold for \$900



3. Millbillilli (witnessed fall)

Type: AEUC-M

Date of fall/find: 10/1/60

Total Weight Known: 330 Kg

Locality: Wiluna, W. Australia

Specimen weight: 13.3 grams

Dimensions: 36 x 23 x 7 mm

Description of Lot: Cut and polished end piece; loaded with crust; salt & pepper matrix

Low - High Pre-Auction Value Estimate: \$140 - \$180

Auction results: Sold for \$120

4. Camel Donga

Type: AEUC-M

Date of fall/find: 1/1/84

Total Weight Known: 40 Kg

Locality: Nullabor Plain, Australia

Specimen weight: 15.1 grams

Dimensions: 31 x 15 x 10 mm

Description of Lot: Complete specimen; covered with fusion crust

Low - High Pre-Auction Value Estimate: \$350 - \$500

Auction results: Sold for \$260

5. Albin (minimum bid reserved)

Type: PAL

Date of fall/find: 1915

Total Weight Known: 37.6 Kg

Locality: Laramie County, WY

Specimen weight: 157.6 grams

Dimensions: 155 x 88 x 4 mm

Description of Lot: Complete slice; angular olivines; with crust

Low - High Pre-Auction Value Estimate: \$2,800 - \$3,200

Auction results: Sold for \$2,200

6. Orgueil (witnessed fall)

Type: CI1

Date of fall/find: 5/14/1864

Total Weight Known: 14 kg

Locality: Tam-et-Garonne, France

Specimen weight: 1.0 grams

Dimensions: vial

Description of Lot: Vial of particles - a few as large as 3 mm; Natural History Museum provenance

Low - High Pre-Auction Value Estimate: \$600 - \$750

Auction results: Sold for \$600

7. Orgueil (witnessed fall)

Type: CI1

Date of fall/find: 5/14/1864

Total Weight Known: 14 Kg

Locality: Tam-et-Garonne, France

Specimen weight: 0.25 grams

Dimensions: 11 x 8 x 4 mm

Description of Lot: Similar to previous lot; fragment; tiny touch of crust. Natural History Museum provenance

Low - High Pre-Auction Value Estimate: \$250 - \$350

Auction results: Sold for \$200

8. Sahara 85001 (minimum bid reserved)

Type: MES

Date of fall/find: 1985

Total Weight Known:

Locality: Sahara Desert

Specimen weight: 46.8 grams

Dimensions: 71 x 37 x 4 mm

Description of Lot: Partial slice; two edges crust

Low - High Pre-Auction Value Estimate: \$900 - \$1,200

Auction results: Auctioneer pass

9. Sahara 97072

Type: EH3

Date of fall/find: 4/1/97

Total Weight Known: 1.27 Kg

Locality: Sahara Desert

Specimen weight: 459 grams

Dimensions:

Description of Lot: End piece; high-iron subgroup enstatite

Low - High Pre-Auction Value Estimate: \$7,000 - \$8,000

Auction results: Auctioneer pass at \$3,750



10. Sahara 97119

Type: L5

Date of fall/find: 6/19/05

Total Weight Known: 2.3 Kg

Locality: Sahara Desert

Specimen weight: 135.3 grams

Dimensions: 63 x 43 x 19 mm

Description of Lot: End piece; most unusual warm tan matrix; loaded with crust; Thank you, Labennes

Low - High Pre-Auction Value Estimate: \$600 - \$700

Auction results: Auctioneer pass at \$200



11. Sahara 97210

Type: L/LL3.6

Date of fall/find: 12/1/97

Total Weight Known: 3.2 Kg

Locality: Sahara Desert

Specimen weight: 18.4 grams

Dimensions: 48 x 22 x 5 mm

Description of Lot: Partial slice; single edge of crust; compelling L/LL3.6; matrix loaded with inclusions; brecciated

Low - High Pre-Auction Value Estimate: \$700 - \$850

Auction results: Auctioneer pass at \$350

12. Sahara 98505

Type: AURE

Date of fall/find: 10/1/98

Total Weight Known: 0.152 Kg

Locality: Sahara Desert

Specimen weight: 29.1 grams

Dimensions: 21 x 42 x 8 mm

Description of Lot: Thick partial slice; some crust; rare ureilite

Low - High Pre-Auction Value Estimate: \$3,750 - \$4,500

Auction results: Auctioneer pass at \$1,750

13. Valeria 001 (witnessed fall) (minimum bid reserved)

Type: Unknown

Date of fall/find: 1972

Total Weight Known: 50 Kg

Locality: Valeria, Venezuela

Specimen weight: 4000 grams

Dimensions: not given

Description of Lot: Specimen details not available at publication; only the second meteorite from Venezuela

Low - High Pre-Auction Value Estimate: \$12,000 - \$15,000

Auction results: Sold for \$7,000

14. Valeria 002 (witnessed fall) (minimum bid reserved)

Type: Unknown

Date of fall/find: 1972

Total Weight Known: 50 Kg

Locality: Valeria, Venezuela

Specimen weight: 38,000 grams

Dimensions: Not given

Description of Lot: Similar to previous lot; this specimen killed a cow on impact

Low - High Pre-Auction Value Estimate: \$50,000 - \$60,000

Auction results: Auctioneer pass at \$20,000

15. Lafayette

Type: ANAK

Date of fall/find: 1931

Total Weight Known: 0.8 Kg

Locality: Tippecanoe County, Indiana

Specimen weight: 0.16 grams

Dimensions: 6 x 4 x 3 mm

Description of Lot: Fragment of Mars found in Indiana

Low - High Pre-Auction Value Estimate: \$1,000 - \$1,200

Auction results: Sold for \$500



16. Estherville (witnessed fall)

Type: MES

Date of fall/find: 5/10/1879

Total Weight Known: 320 Kg

Locality: Emmet County, Iowa

Specimen weight: 44.2 grams

Dimensions: 74 x 45 x 3 mm

Description of Lot: Partial slice; one edge crust. Natural History Museum (London) provenance

Low - High Pre-Auction Value Estimate: \$200 - \$300

Auction results: Sold for \$350



17. Estherville (witnessed fall)

Type: MES

Date of fall/find: 5/10/1879

Total Weight Known: 320 Kg

Locality: Emmet County, Iowa

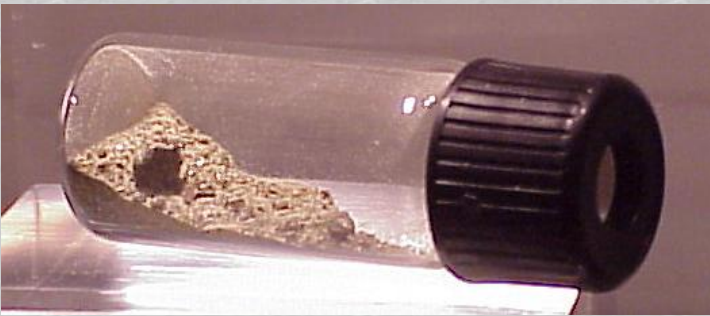
Specimen weight: 24.7 grams

Dimensions: 44 x 35 x 3 mm

Description of Lot: Partial slice; one edge crust. Natural History Museum (London) provenance

Low - High Pre-Auction Value Estimate: \$125 - \$175

Auction results: Sold for \$200



18. Governador Valadares

Type: ANAK

Date of fall/find: 1958

Total Weight Known: 0.158 Kg

Locality: Minas Gerais, Brazil

Specimen weight: 1.0 grams

Dimensions: vial

Description of Lot: Fragments in vial; several measure 2 mm in length. The rarest Martian meteorite available to the private collector

Low - High Pre-Auction Value Estimate: \$5,000 - \$6,000

Auction results: Sold for \$2,600

19. Governor Valerdares (minimum bid reserved)

Type: ANAK

Date of fall/find: 1958

Total Weight Known: 0.158 Kg

Locality: Minas Gerais, Brazil

Specimen weight: 0.911 grams

Dimensions: 8 x 16 x 1 mm

Description of Lot: Thin partial slice; one edge of fusion crust

Low - High Pre-Auction Value Estimate: \$6,500 - \$8,000

Auction results: Auctioneer pass at \$4,250

20. Efremovka (minimum bid reserved)

Type: CV3

Date of fall/find: 7/1/62

Total Weight Known: 21 Kg

Locality: Pavlodar, Kazakhstan

Specimen weight: 59.9 grams

Dimensions: 53 x 33 x 7 mm

Description of Lot: Partial slice; with fusion crust; #2349.12.2. Academy of Sciences, Moscow provenance

Low - High Pre-Auction Value Estimate: \$8,000 - \$10,000

Auction results: Auctioneer pass at \$7,000

21. Bivalnga (witnessed fall)

Type: ADIO-M

Date of fall/find: 10/27/99

Total Weight Known: 50 Kg

Locality: Bilanga, Burkina-Faso

Specimen weight: 18.9 grams

Dimensions: 38 x 36 x 5 mm

Description of Lot: Thin partial slice; two edges crust

Low - High Pre-Auction Value Estimate: \$750 - \$900

Auction results: Sold for \$300

22. Bilanga (witnessed fall)

Type: ADIO-M

Date of fall/find: 10/27/99

Total Weight Known: 50 Kg

Locality: Bilanga, Burkina-Faso

Specimen weight: 165.5 grams

Dimensions: not given

Description of Lot: Large partially encrusted fragment of rare diogenite; distinguished addition to any collection

Low - High Pre-Auction Value Estimate: \$6,000 - \$7,000

Auction results: Auctioneer pass at \$2,200



23. Selakopi (witnessed fall)

Type: H5

Date of fall/find: 9/26/39

Total Weight Known: 1.59 Kg

Locality: West Java, Indonesia

Specimen weight: 3.18 grams

Dimensions: 22 x 9 x 2 mm

Description of Lot: Four partial slices; no crust; light grey matrix; extremely difficult to obtain; witnessed fall

Low - High Pre-Auction Value Estimate: \$40 - \$50

Auction results: Sold for \$50



24. Selakopi (witnessed fall)

Type: H5

Date of fall/find: 9/26/39

Total Weight Known: 1.59 Kg

Locality: West Java, Indonesia

Specimen weight: 9.8 grams

Dimensions: 25 x 25 x 4 mm

Description of Lot: Similar to the previous lot; partial slice; some crust; veins of impact melt

Low - High Pre-Auction Value Estimate: \$80 - \$100

Auction results: Sold for \$140

25. Tatahouine (witnessed fall)

Type: ADIO

Date of fall/find: 6/27/31

Total Weight Known: 20 Kg

Locality: From Tatahouine, Tunisia

Specimen weight: 9.3 grams

Dimensions: 24 x 17 x 15 mm

Description of Lot: Fragment; characteristic black & green matrix; thanks to the Carrions

Low - High Pre-Auction Value Estimate: \$150 - \$200

Auction results: Sold for \$140 **26. Hammadah al Mamra 237**

Type: CH-BEN

Date of fall/find: 10/18/97

Total Weight Known: 3.173 Kg

Locality: Jabal al Gharb, Lybia

Specimen weight: 5.65 grams

Dimensions: 20 x 17 x 3 mm

Description of Lot: Partial slice with polished faces; two encrusted edges; extraordinarily rare

Low - High Pre-Auction Value Estimate: \$4,000 - \$5,000

Auction results: Auctioneer pass at \$2,000

27. Brahin (minimum bid reserved)

Type: PAL

Date of fall/find: 1810

Total Weight Known: 1,500 Kg

Locality: Gomel, Byelarus

Specimen weight: 1001.1 grams

Dimensions: 67 x 67 x 43 mm

Description of Lot: Rectangular mass; all sides cut and polished

Low - High Pre-Auction Value Estimate: \$2,000 - \$3,000

Auction results: Auctioneer pass at \$1,400

28. Brahin

Type: PAL

Date of fall/find: 1810

Total Weight Known: 1,500 Kg

Locality: Gomel, Byelarus

Specimen weight: 149.4 grams

Dimensions: 108 x 88 x 7 mm

Description of Lot: Similar to the previous lot; beveled partial slice

Low - High Pre-Auction Value Estimate: \$350 - \$450

Auction results: Sold for \$225

29. Brahin

Type: PAL

Date of fall/find: 1810

Total Weight Known: 1,500 Kg

Locality: Gomel, Byelarus

Specimen weight: 207.2 grams

Dimensions: 120 x 110 x 6 mm

Description of Lot: Similar to the previous lot; complete slice

Low - High Pre-Auction Value Estimate: \$500 - \$650

Auction results: Sold for \$350

30. Brahin

Type: PAL

Date of fall/find: 1810

Total Weight Known: 1,500 Kg

Locality: Gomel, Byelarus

Specimen weight: 3,700 grams

Dimensions: not given

Description of Lot: Similar to the previous lot; large cut and polished monolithic section with crust; impressive

Low - High Pre-Auction Value Estimate: \$5,000 - \$7,000

Auction results: Sold for \$3,000



31. Cumberland Falls (witnessed fall) (minimum bid reserved)

Type: AUB

Date of fall/find: 4/9/19

Total Weight Known: 17 Kg

Locality: Whitley County, Kentucky

Specimen weight: 7.28 grams

Dimensions: 48 x 29 x 2 mm

Description of Lot: Partial slice; large iron inclusion; spots of fusion crust; Field Museum provenance

Low - High Pre-Auction Value Estimate: \$1,400 - \$1,800

Auction results: Auctioneer pass at \$750

32. Cumberland Falls (witnessed fall)

Type: AUB

Date of fall/find: 4/9/19

Total Weight Known: 17 Kg

Locality: Whitley County, Kentucky

Specimen weight: 6.3 grams

Dimensions: 30 x 41 x 2 mm

Description of Lot: Partial slice; loaded with inclusions; Field Museum provenance

Low - High Pre-Auction Value Estimate: \$900 - \$1,200

Auction results: Sold for \$625

33. Claxton (witnessed fall)

Type: L6

Date of fall/find: 12/10/84

Total Weight Known: 1,455 Kg

Locality: Evans County, Georgia

Specimen weight: 6.6 grams

Dimensions: 14 x 19 x 4 mm

Description of Lot: Partial slice; cream matrix; the meteorite that was "delivered" directly into a mailbox

Low - High Pre-Auction Value Estimate: \$300 - \$400

Auction results: Sold for \$725

34. Ensisheim (witnessed fall) (minimum bid reserved)

Type: LL6

Date of fall/find: 11/7/1492

Total Weight Known: 127 Kg

Locality: Alsace, France

Specimen weight: 76.1 grams

Dimensions: 52 x 43 x 21 mm

Description of Lot: Cut and polished fragment (two polished faces); Maximillian wages war against France after having witnessed the descent in 1492

Low - High Pre-Auction Value Estimate: \$17,000 - \$20,000

Auction results: Auctioneer pass at \$12,000

35. Cold Bokkeveld (witnessed fall)

Type: CM2

Date of fall/find: 10/13/1838

Total Weight Known: 5.2 Kg

Locality: Cape Province, South Africa

Specimen weight: 7.59 grams

Dimensions: 29 x 19 x 14 mm

Description of Lot: Fragment with different lithologies

Low - High Pre-Auction Value Estimate: \$750 - \$1,000

Auction results: Sold for \$575

36. Divnoe

Type: ACUNGR

Date of fall/find: 9/1/81

Total Weight Known: 12.7 Kg

Locality: Stavropol, Russia

Specimen weight: 2.81 grams
Dimensions: 38 x 9 x 2 mm
Description of Lot: Thin partial slice; edge of crust; ungrouped, olvine-rich, primitive achondrite
Low - High Pre-Auction Value Estimate: \$400 - \$550
Auction results: Sold for \$350

Divnoe was reported as discovered while cutting grass.

37. Jumapalo (witnessed fall)

Type: L6
Date of fall/find: 3/13/84
Total Weight Known: 32.49 Kg
Locality: Central Java, Indonesia
Specimen weight: 70.5 grams
Dimensions: 95 x 76 x 5 mm
Description of Lot: Partial slice with one edge of crust; prominent vein of impact melt; creamy matrix
Low - High Pre-Auction Value Estimate: \$450 - \$550
Auction results: Sold for \$450



38. Jumapalo (minimum bid reserved) (witnessed fall)

Type: L6
Date of fall/find: 3/13/84
Total Weight Known: 32.49 Kg
Locality: Central Java, Indonesia
Specimen weight: 122 grams
Dimensions: 105 x 77 x 5 mm
Description of Lot: Similar to previous lot; partial slice; one edge crust; Bandung Geological Museum
Low - High Pre-Auction Value Estimate: \$650 - \$900
Auction results: Sold for \$450

39. Wuan (witnessed fall)

Type: H6
Date of fall/find: 7/31/86
Total Weight Known: 50 Kg
Locality: Hebei, China
Specimen weight: 149 grams
Dimensions: 87 x 44 x 26 mm
Description of Lot: Wedge; three faces cut and polished; light brown matrix
Low - High Pre-Auction Value Estimate: \$500 - \$700
Auction results: Sold for \$325



40. Wuan (witnessed fall)

Type: H6
Date of fall/find: 7/31/86
Total Weight Known: 50 Kg
Locality: Hebei, China
Specimen weight: 42.5 grams
Dimensions: 82 x 59 x 3 mm
Description of Lot: Similar to the previous lot; partial slice; 30% iron
Low - High Pre-Auction Value Estimate: \$150 - \$225
Auction results: Sold for \$160

41. Djati Pengilon (witnessed fall)

Type: H6
Date of fall/find: 3/19/1884
Total Weight Known: 166 Kg
Locality: East Java, Indonesia
Specimen weight: 82 grams

Dimensions: 67 x 65 x 4 mm

Description of Lot: Partial slice from single mass that's a centerpiece of the Geological Museum, Bandung

Low - High Pre-Auction Value Estimate: \$400 - \$550

Auction results: Sold for \$325

42. Djati Pengilon (witnessed fall) (minimum bid reserved)

Type: H6

Date of fall/find: 3/19/1884

Total Weight Known: 166 Kg

Locality: East Java, Indonesia

Specimen weight: 302.7 grams

Dimensions: 143 x 105 x 4 mm

Description of Lot: Similar to previous lot; with unusual inclusion; Geological Museum, Bandung provenance

Low - High Pre-Auction Value Estimate: \$1,200 - \$1,500

Auction results: Auctioneer pass at \$650

43. Djati Pengilon (witnessed fall) (minimum bid reserved)

Type: H6

Date of fall/find: 3/19/1884

Total Weight Known: 166 Kg

Locality: East Java, Indonesia

Specimen weight: 424.1 grams

Dimensions: 171 x 158 x 4 mm

Description of Lot: Similar to previous two lots; Djati P. resembles an enstatite

Low - High Pre-Auction Value Estimate: \$1,500 - \$1,800

Auction results: This specimen reported by the auctioneer as accidentally sold prior to auction.



44. Ghubara

Type: L5

Date of fall/find: 1954

Total Weight Known: 500 Kg

Locality: Jiddat al Harasis, Oman

Specimen weight: 161.2 grams

Dimensions: 67 x 159 x 5 mm

Description of Lot: Complete slice; some crust; stabilized; a xenolithic meteorite

Low - High Pre-Auction Value Estimate: \$75 - \$100

Auction results: Sold for \$50



45. Ghubara Chips

Type: L5

Date of fall/find: 1954

Total Weight Known: 500 Kg

Locality: Jiddat al Harasis, Oman

Specimen weight: 357.3 grams

Dimensions:

Description of Lot: Similar to previous lot; dozens of partial slices (require polishing)

Low - High Pre-Auction Value Estimate: \$200 - \$300

Auction results: Auctioneer pass at \$100



46. Gibeon

Type: IVA
Date of fall/find: 1836
Total Weight Known: 45,000 Kg
Locality: Great Namaland, Namibia
Specimen weight: 278.7 grams
Dimensions: 68 x 209 x 3 mm
Description of Lot: Complete slice; fine octahedral etch
Low - High Pre-Auction Value Estimate: \$200 - \$300
Auction results: Sold for \$210

47. Banten (witnessed fall) (minimum bid reserved)

Type: CM2
Date of fall/find: 5/24/33
Total Weight Known: 0.629 Kg
Locality: West Java, Indonesia
Specimen weight: 35.3 grams
Dimensions: 40 x 23 x 19 mm
Description of Lot: Complete individual; 70% crust; #1403 Geological Museum, Bandung
Low - High Pre-Auction Value Estimate: \$6,000 - \$7,500
Auction results: Sold for \$5,000

48. Gibeon Part Slice

Type: IVA
Date of fall/find: 1836
Total Weight Known: 45,000 Kg
Locality: Great Namaland, Namibia
Specimen weight: 45,000 Kg
Dimensions: 61 x 29 x 4 mm
Description of Lot: Similar to lot 46; one edge exterior surface; deep etch
Low - High Pre-Auction Value Estimate: \$100 - \$140
Auction results: Auctioneer pass at \$25





49. Holbrook (witnessed fall) (minimum bid reserved)

Type: L6

Date of fall/find: 7/19/12

Total Weight Known: 220 Kg

Locality: Navajo County, Arizona

Specimen weight: 603.8 grams

Dimensions: 105 x 79 x 26 mm

Description of Lot: Oriented with flow lines; 98% crust; label on specimen indicates figures 11 & 12; #9243 and #0805-6

Low - High Pre-Auction Value Estimate: \$13,500 - \$14,500

Auction results: Auctioneer pass at \$7750



50. Huckitta

Type: PAL

Date of fall/find: 1924

Total Weight Known: 2,300 Kg

Locality: Northern Territory, Australia

Specimen weight: 60.3 grams

Dimensions: 43 x 28 x 12 mm

Description of Lot: Complete fragment; olivine crystals radiating from matrix

Low - High Pre-Auction Value Estimate: \$300 - \$450

Auction results: Sold for \$170

51. Ibitira (witnessed fall)

Type: AEUC-M

Date of fall/find: 6/30/57

Total Weight Known: 2.5 Kg

Locality: Minas Gerais, Brazil

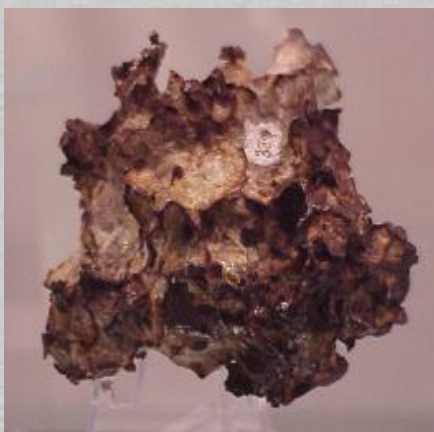
Specimen weight: 10.19 grams

Dimensions: 27 x 28 x 4 mm

Description of Lot: 2 edges crust; contains vesicles or vugs

Low - High Pre-Auction Value Estimate: \$1,100 - \$1,500

Auction results: Sold for \$1,250



52. Imilac

Type: PAL

Date of fall/find: 1822

Total Weight Known: 920 Kg

Locality: Atacama, Chile

Specimen weight: 170.1 grams

Dimensions: 53 x 44 x 23 mm

Description of Lot: Complete fragment; web-like matrix; Dupont collection #7034 and #139; unusual

Low - High Pre-Auction Value Estimate: \$600 - \$800

Auction results: Sold for \$625

53. Bandong (witnessed fall)

Type: LL6

Date of fall/find: 12/10/1871

Total Weight Known: 11.5 Kg

Locality: West Java, Indonesia

Specimen weight: 25.4 grams

Dimensions: 39 x 37 x 7 mm

Description of Lot: Partial slice; blue-grey matrix

Low - High Pre-Auction Value Estimate: \$200 - \$240

Auction results: Sold for \$350



54. Tuxtuac (witnessed fall)

Type: LL5

Date of fall/find: 10/16/75

Total Weight Known: 30 Kg

Locality: Zacatecas, Mexico

Specimen weight: 39.3 grams

Dimensions: 90 x 28 x 6 mm

Description of Lot: Partial slice; one edge of crust; loaded with chondrules - some of which are sodium and aluminum rich

Low - High Pre-Auction Value Estimate: \$250 - \$350

Auction results: Sold for \$250

55. Mayo Belwa (witnessed fall) (minimum bid reserved)

Type: AUB (Aubrite)

Date of fall/find: 8/3/74

Total Weight Known: 4.85 Kg

Locality: Haoussa, Nigeria

Specimen weight: 11.1 grams

Dimensions: 43 x 26 x 6 mm

Description of Lot: Cut and polished fragment; salt and pepper with tan matrix; contains daubreelite and ferroan alabandite

Low - High Pre-Auction Value Estimate: \$800 - \$1,100

Auction results: Sold for \$950

56. Landes (minimum bid reserved)

Type: IA-AN

Date of fall/find: 1930

Total Weight Known: 69.8 Kg

Locality: Grant County, West Virginia

Specimen weight: 191.2 grams

Dimensions: 89 x 47 x 7 mm

Description of Lot: Partial slice; one edge of crust; large silicate inclusion; Huss Collection #H.91.145

Low - High Pre-Auction Value Estimate: \$1,300 - \$1,600

Auction results: Sold for \$1,350



57. Three Different Falls (witnessed falls)

Type: L6

Date of fall/find:

Total Weight Known:

Locality:

Specimen weight: 46.1 grams

Dimensions: not given

Description of Lot: Specimens of the witnessed falls: Jumapalo (Indonesia); St. Michel (Finland) and Suizhou (China); 46 grams total weight

Low - High Pre-Auction Value Estimate: \$200 - \$300

Auction results: Sold for \$200

58. Kapoeta (witnessed fall) (minimum bid reserved)

Type: AHOW

Date of fall/find: 4/22/42

Total Weight Known: 11.355 Kg
Locality: Equatoria, Sudan
Specimen weight: 5.27 grams
Dimensions: 47 x 27 x 2 mm
Description of Lot: Thin partial slice; contains carbonaceous xenoliths
Low - High Pre-Auction Value Estimate: \$900 - \$1,200
Auction results: Auctioneer pass at \$750

59. Karoonda (witnessed fall)

Type: CK4
Date of fall/find: 11/25/30
Total Weight Known: 41.73 Kg
Locality: Buccleuch County, South Australia
Specimen weight: 5.02 grams
Dimensions: 1 x 1 x 1 mm
Description of Lot: Particles in a vial; type specimen
Low - High Pre-Auction Value Estimate: \$300 - \$350
Auction results: Sold for \$275



60. Kesen (witnessed fall)

Type: H4
Date of fall/find: 6/13/1850
Total Weight Known: 135 Kg
Locality: Honshu, Japan
Specimen weight: 8.42 grams
Dimensions: 24 x 22 x 10 mm
Description of Lot: Square partial slice; AMNH provenance
Low - High Pre-Auction Value Estimate: \$125 - \$175
Auction results: Sold for \$180

61. Khor Temiki (witnessed fall) (minimum bid reserved)

Type: AUB
Date of fall/find: 4/8/32
Total Weight Known: 3.2 Kg
Locality: Kassala, Sudan
Specimen weight: 5.04 grams
Dimensions: 25 x 12 x 10 mm
Description of Lot: Fragment; one edge cream crust; superb representative example of difficult to obtain meteorite
Low - High Pre-Auction Value Estimate: \$600 - \$800
Auction results: Sold for \$475

62. Khor Temiki (witnessed fall)

Type: AUB
Date of fall/find: 4/8/32
Total Weight Known: 3.2 Kg
Locality: Kassala, Sudan
Specimen weight: 4.58 grams
Dimensions: 25 x 12 x 9 mm
Description of Lot: Similar to previous lot; Natural History Museum provenance
Low - High Pre-Auction Value Estimate: \$500 - \$650
Auction results: Auctioneer announced this lot had been pulled from the auction

63. Xingyang (witnessed fall)

Type: H6
Date of fall/find: 12/1/77
Total Weight Known: 75.5 Kg
Locality: Henan, China
Specimen weight: 218.7
Dimensions: 78 x 100 x 13 mm
Description of Lot: Cut and polished fragment; grey matrix; simimalr to Wuan with less oxidation
Low - High Pre-Auction Value Estimate: \$900 - \$1,200

Auction results: Sold for \$450

64. Sand Creek

Type: H5

Date of fall/find: 1986

Total Weight Known: 2.443 Kg

Locality: Graham County, Kansas

Specimen weight: 63.6 grams

Dimensions: 58 x 50 x 5 mm

Description of Lot: Complete slice; ebony matrix filled with metallic grains

Low - High Pre-Auction Value Estimate: \$250 - \$300

Auction results: Sold for \$125

65. Zagami (witnessed fall)

Type: ASHE

Date of fall/find: 10/3/62

Total Weight Known: 18 Kg

Locality: Katsina, Nigeria

Specimen weight: 54.3 grams

Dimensions: 58 x 39 x 9 mm

Description of Lot: Cut partial slice; crust along one edge; contains samples of Martian atmosphere

Low - High Pre-Auction Value Estimate: \$15,000 - \$18,000

Auction results: Auctioneer pass at \$8,500

66. Kivesvaara

Type: CM2

Date of fall/find: 5/1/68

Total Weight Known: 0.164 Kg

Locality: Oulo, Finland

Specimen weight: 0.26 grams

Dimensions: 7 x 6 x 4 mm

Description of Lot: Small fragment; extremely rare; University of Helsinki provenance

Low - High Pre-Auction Value Estimate: \$100 - \$125

Auction results: Sold for \$130

67. Kunashak (witnessed fall)

Type: L6

Date of fall/find: 6/11/49

Total Weight Known: 200 Kg

Locality: Chelyabinsk, Russia

Specimen weight: 31.6 grams

Dimensions: 49 x 34 x 5 mm

Description of Lot: Partial slice; extensive veins of impact melt

Low - High Pre-Auction Value Estimate: \$150 - 200

Auction results: Sold for \$130

68. Ornans (witnessed fall)

Type: CO3.3

Date of fall/find: 7/11/1868

Total Weight Known: 6 Kg

Locality: Doubs, France

Specimen weight: 2.58 grams

Dimensions: 12 x 21 x 4 mm

Description of Lot: Cut fragment; "type" specimen; CO3.3; Natural History Museum

Low - High Pre-Auction Value Estimate: \$400 - \$600

Auction results: Sold for \$475

69. Ningqiang (witnessed fall)

Type: Ck-ANOM

Date of fall/find: 6/25/83

Total Weight Known: 4.61 Kg

Locality: Shanxi, China

Specimen weight: .91 grams

Dimensions: 9 x 6 x 6 mm

Description of Lot: Small fragment; extremely rare and difficult to obtain; only CK-ANOM

Low - High Pre-Auction Value Estimate: \$125 - \$175

Auction results: Sold for \$275

70. Ningqiang (witnessed fall) (minimum bid reserved)

Type: CK-ANOM

Date of fall/find: 6/25/83

Total Weight Known: 4.61 Kg

Locality: Shanxi, China

Specimen weight: 19.4 grams

Dimensions: 30 x 37 x 16 mm

Description of Lot: Similar to previous lot; superb fresh fragment of this anomalous meteorite

Low - High Pre-Auction Value Estimate: \$2,500 - \$3,250

Auction results: Sold for \$1500

71. Ourique (witnessed fall)

Type: H4

Date of fall/find: 12/28/98

Total Weight Known: 20 Kg

Locality: Beja, Portugal

Specimen weight: 25.9 grams

Dimensions: 39 x 29 x 7 mm

Description of Lot: Partial slice; brecciated; blue-grey matrix with off-white clasts

Low - High Pre-Auction Value Estimate: \$200 - \$250

Auction results: Sold for \$225

72. Kendleton (witnessed fall)

Type: L4

Date of fall/find: 5/2/39

Total Weight Known: 14.250 Kg

Locality: Fort Bend County, Texas

Specimen weight: 81.9 grams

Dimensions: 34 x 35 x 23 mm

Description of Lot: Cut fragment; 50% crust; blue-grey matrix; #M32.48 Monnig Collection

Low - High Pre-Auction Value Estimate: \$450 - \$550

Auction results: Sold for \$300

73. Glorieta Mountain (minimum bid reserved)

Type: PAL-UNGR

Date of fall/find: 1884

Total Weight Known: 190 Kg

Locality: Santa Fe County, New Mexico

Specimen weight: 51.5 grams

Dimensions: 33 x 22 x 15 mm

Description of Lot: Complete specimen; found by Steve "The Mountain" Schoner

Low - High Pre-Auction Value Estimate: \$500 - \$600

Auction results: Sold for \$425

74. Glorieta Mountain

Type: PAL-UNGR

Date of fall/find: 1884

Total Weight Known: 190 Kg

Locality: Santa Fe County, New Mexico

Specimen weight: 18.4 grams

Dimensions: 53 x 34 x 2 mm

Description of Lot: Partial slice; two edges crust; from the main mass recovered by S. Schoner

Low - High Pre-Auction Value Estimate: \$750 - \$1,000

Auction results: Sold for \$600

75. Glorieta Mountain (minimum bid reserved)

Type: PAL-UNGR

Date of fall/find: 1884

Total Weight Known: 190 Kg

Locality: Santa Fe County, New Mexico
Specimen weight: 29.9 grams
Dimensions: 74 x 29 x 2 mm
Description of Lot: Similar to the previous lot; partial slice; one edge crust
Low - High Pre-Auction Value Estimate: \$1,100 - \$1,400
Auction results: Auctioneer pass at \$800



76. Glorieta Mountain (minimum bid reserved)
Type: PAL-UNGR
Date of fall/find: 1884
Total Weight Known: 190 Kg
Locality: Santa Fe County, New Mexico
Specimen weight: 84.6 grams
Dimensions: 85 x 72 x 2 mm
Description of Lot: Similar to the previous lot; two edges crust
Low - High Pre-Auction Value Estimate: \$2,800 - \$3,200
Auction results: Auctioneer pass at \$2,200

77. Aliskerovo (minimum bid reserved)
Type: IIIE-AN
Date of fall/find: 7/10/77
Total Weight Known: 58.4 Kg
Locality: Magadan, Russia
Specimen weight: 224.2 grams
Dimensions: 96 x 74 x 4 mm
Description of Lot: Partial slice; anomalous medium octahedrite; academy of Sciences, Moscow, provenance
Low - High Pre-Auction Value Estimate: \$500 - \$600
Auction results: Sold for \$425

78. Axtell (minimum bid reserved)
Type: CV3
Date of fall/find: 1943
Total Weight Known: 6.2 Kg
Locality: McLennon County, Texas
Specimen weight: 98.9 grams
Dimensions: 101 x 66 x 7 mm
Description of Lot: Partial slice; loaded with chondrules and CAIs
Low - High Pre-Auction Value Estimate: \$3,500 - \$4,500
Auction results: Sold for \$3,250

79. Sikhote Alin (witnessed fall)
Type: IIB
Date of fall/find: 2/12/47
Total Weight Known: 23,000 Kg
Locality: Maritime Territory, Russia
Specimen weight: 186.7 grams
Dimensions: 63 x 53 x 29 mm
Description of Lot: Complete specimen; most unusual shape; evidence of micro-crater impact
Low - High Pre-Auction Value Estimate: \$500 - \$700
Auction results: Sold for \$350

80. Mangwendi (witnessed fall)
Type: LL6
Date of fall/find: 3/7/34
Total Weight Known: 22.3 Kg
Locality: Mashonaland, Zimbabwe
Specimen weight: 7.8 grams
Dimensions: 29 x 21 x 4
Description of Lot: Partial slice; one edge fusion crust; Natural History Museum provenance
Low - High Pre-Auction Value Estimate: \$60 - \$80
Auction results: Sold for \$90

81. Magwendi (witnessed fall)

Type: LL6

Date of fall/find: 3/7/34

Total Weight Known: 22.3 Kg

Locality: Mashonaland, Zimbabwe

Specimen weight: 27.3 grams

Dimensions: 56 x 37 x 4 mm

Description of Lot: Similar to previous lot; blue-grey matrix; one edge fusion crust

Low - High Pre-Auction Value Estimate: \$175 - \$250

Auction results: Sold for \$225

82. Marjalahti (witnessed fall)

Type: PAL

Date of fall/find: 6/1/02

Total Weight Known: 45 Kg

Locality: Karelia, Russia

Specimen weight: 14.6 grams

Dimensions: 28 x 41 x 2 mm

Description of Lot: Partial slice with one edge crust; very little material available

Low - High Pre-Auction Value Estimate: \$450 - \$550

Auction results: Sold for \$425

83. Kenna (minimum bid reserved)

Type: AURE

Date of fall/find: 1972

Total Weight Known: 10.9 Kg

Locality: Roosevelt County, New Mexico

Specimen weight: 72.7 grams

Dimensions: 83 x 33 x 9 mm

Description of Lot: Partial slice; saw marks; contains diamonds; black crystalline matrix

Low - High Pre-Auction Value Estimate: \$6,500 - \$7,500

Auction results: Auctioneer pass at \$4,750

84. Suizhou (witnessed fall)

Type: L6

Date of fall/find: 4/15/86

Total Weight Known: 260 Kg

Locality: Hubei, China

Specimen weight: 53.5

Dimensions: 32 x 22 x 21 mm

Description of Lot: Fragment; extensive crust; light grey matrix

Low - High Pre-Auction Value Estimate: \$200 - \$250

Auction results: Sold for \$140

85. Mbale (witnessed fall)

Type: L5/6

Date of fall/find: 8/14/92

Total Weight Known: 150 Kg

Locality: Uganda

Specimen weight: 172.5 grams

Dimensions: 71 x 55 x 22 mm

Description of Lot: Cut and polished end piece; dominant vein; loaded with crust

Low - High Pre-Auction Value Estimate: \$900 - \$1,200

Auction results: Auctioneer pass at \$550

86. Miles

Type: IIE

Date of fall/find: 1992

Total Weight Known: 265 Kg

Locality: Queensland, Australia

Specimen weight: 73.9 grams

Dimensions: 65 x 30 x 6 mm

Description of Lot: Partial slice; most unusual meteorite; with thanks to Marvin Kilgore

Low - High Pre-Auction Value Estimate: \$250 - \$300

Auction results: Sold for \$275

87. Watson (minimum bid reserved)

Type: IIE

Date of fall/find: 1972

Total Weight Known: 93 Kg

Locality: Nullarbor Plain, South Australia

Specimen weight: 1,215.9 grams

Dimensions: 191 x 144 x 6 mm

Description of Lot: Outstanding complete slice with silicate penetration; a unique meteorite

Low - High Pre-Auction Value Estimate: \$6,500 - \$8,500

Auction results: Sold for \$4,250

88. Tektite Phillipinite

Type:

Date of fall/find:

Total Weight Known:

Locality: not given

Specimen weight: 34.2 grams

Dimensions: 47 x 24 x 17 mm

Description of Lot: Fascinating and unusual tektite with what appears to be insect borings in glass

Low - High Pre-Auction Value Estimate: \$200 - \$300

Auction results: Auctioneer pass at \$100

89. Tektite Georgiite (minimum bid reserved)

Type:

Date of fall/find:

Total Weight Known:

Locality:

Specimen weight: 26.4 grams

Dimensions: 10 x 40 x 70 mm

Description of Lot: Very rare and outstanding specimen; ~ 34 million years old; Futrell Collection provenance

Low - High Pre-Auction Value Estimate: \$3,500 - \$4,500

Auction results: Auctioneer pass at \$2,300

90. Tambo Quemado

Type: IIIB

Date of fall/find: 1950

Total Weight Known: 141 Kg

Locality: Ayacucho, Peru

Specimen weight: 36.6 grams

Dimensions: 32 x 23 x 7 mm

Description of Lot: Partial slice; crust on one edge; exhibits TQ's unique appearance which resulted from indigenous people's reheating of meteorite

Low - High Pre-Auction Value Estimate: \$125 - \$150

Auction results: Sold for \$140

91. Murchison (witnessed fall)

Type: CM2

Date of fall/find: 9/28/69

Total Weight Known: 100 Kg

Locality: Victoria, Australia

Specimen weight: 32.4 grams

Dimensions: 25 x 49 x 27

Description of Lot: Complete individual; 70% crust; possesses amino acids, alcohols; Field Museum provenance

Low - High Pre-Auction Value Estimate: \$1,200 - \$1,600

Auction results: Sold for \$850

92. Murchison (witnessed fall)

Type: CM2

Date of fall/find: 9/28/69

Total Weight Known: 100 Kg

Locality: Victoria, Australia

Specimen weight: 13.9 grams
Dimensions: 44 x 27 x 4 mm
Description of Lot: Similar to previous lot; cut fragrant; reveals contraction cracks; Field Museum provenance
Low - High Pre-Auction Value Estimate: \$600 - \$800
Auction results: Sold for \$425

93. Murchison (witnessed fall) (minimum bid reserved)

Type: CM2
Date of fall/find: 9/28/69
Total Weight Known: 100 Kg
Locality: Victoria, Australia
Specimen weight: 80.3 grams
Dimensions: 56 x 43 x 23 mm
Description of Lot: Similar to previous lot; complete individual; oriented; 99% crust; Field Museum
Low - High Pre-Auction Value Estimate: \$3,500 - \$4,500
Auction results: Sold for \$3,100

94. Murchison (witnessed fall)

Type: CM2
Date of fall/find: 9/28/69
Total Weight Known: 100 Kg
Locality: Victoria, Australia
Specimen weight: 9.98 grams
Dimensions: not given
Description of Lot: Similar to previous lot; small cut fragments weight 7.6, 1.2, 0.8 and 0.4 grams
Low - High Pre-Auction Value Estimate: \$450 - \$550
Auction results: Sold for \$375

95. Naiman (witnessed fall)

Type: L6
Date of fall/find: 5/26/82
Total Weight Known: 1.05 Kg
Locality: Nei Monggol, China
Specimen weight: 58.4 grams
Dimensions: 55 x 49 x 6 mm
Description of Lot: Complete slice; three edges crust; cream matrix
Low - High Pre-Auction Value Estimate: \$400 - \$500
Auction results: Sold for \$250

96. Naryilco (minimum bid reserved)

Type: LL6
Date of fall/find: 1975
Total Weight Known: 27 Kg
Locality: Queensland, Australia
Specimen weight: 162.7 grams
Dimensions: 134 x 77 x 5 mm
Description of Lot: Partial slice; long curve of crust; blue-grey variegated matrix
Low - High Pre-Auction Value Estimate: \$1,200 - \$1,600
Auction results: Auctioneer pass at \$750

97. Campo del Cielo

Type: IA
Date of fall/find: 1576
Total Weight Known: 50,000 Kg
Locality: Chaco, Argentina
Specimen weight: 109.9 grams
Dimensions: 107 x 73 x 3 mm
Description of Lot: Complete slice; silicate rich; superb example of highly silicated Campo
Low - High Pre-Auction Value Estimate: \$350 - \$450
Auction results: Sold for \$300

98. Nuevo Mercurio (witnessed fall) (minimum bid reserved)

Type: H5

Date of fall/find: 12/15/78
Total Weight Known: 50 Kg
Locality: Zacatecas, Mexico
Specimen weight: 234.4 grams
Dimensions: 63 x 42 x 27 mm
Description of Lot: Complete individual; 98% crust; exemplary representation
Low - High Pre-Auction Value Estimate: \$1,000 - \$1,400
Auction results: Sold for \$700



99. Henbury

Type: IIIA
Date of fall/find: 1931
Total Weight Known: 2,000 Kg
Locality: Northern Territory, Australia
Specimen weight: 170.7 grams
Dimensions: 68 x 58 x 10 mm
Description of Lot: Single spicule
Low - High Pre-Auction Value Estimate: \$300 - \$400
Auction results: Auctioneer pass at \$150

100. NWA 108

Type: L6
Date of fall/find: 2000
Total Weight Known: 8.1 Kg
Locality: Sahara Desert
Specimen weight: 1,147.4 grams
Dimensions: 133 x 98 x 63 mm
Description of Lot: Cut and polished wedge with crust; fine mottled matrix; thank you, Mike Farmer
Low - High Pre-Auction Value Estimate: \$1,000 - \$1,300
Auction results: Auctioneer pass at \$500

101. Tenham

Type: L6
Date of fall/find: 1879
Total Weight Known: 160 Kg
Locality: Queensland, Australia
Specimen weight: 75.5 grams
Dimensions: 124 x 51 x 4 mm
Description of Lot: Partial slice; one edge of crust; veined; large chondrule; variegated matrix
Low - High Pre-Auction Value Estimate: \$250 - \$300
Auction results: Auctioneer pass at \$175

102. Luotolax (witnessed fall)

Type: AHOW
Date of fall/find: 12/13/1813
Total Weight Known: 0.885 Kg
Locality: Viborg, Finland
Specimen weight: 0.91 grams
Dimensions: 9 x 5 x 4 mm
Description of Lot: Rectangular fragment; University of Helsinki provenance; extremely rare
Low - High Pre-Auction Value Estimate: \$350 - \$500
Auction results: Sold for \$225

103. Hvittis (witnessed fall)

Type: EL6
Date of fall/find: 10/12/01
Total Weight Known: 14 Kg
Locality: Turku, Finland
Specimen weight: 14.5 grams
Dimensions: 32 x 29 x 4 mm
Description of Lot: Nearly square partial slice; large area with no metal; smells of sulfur

Low - High Pre-Auction Value Estimate: \$700 - \$900

Auction results: Auctioneer pass at \$450

104. Hvittis (witnessed fall) (minimum bid reserved)

Type: EL6

Date of fall/find: 10/12/01

Total Weight Known: 14 Kg

Locality: Turku, Finland

Specimen weight: 40.8 grams

Dimensions: 69 x 41 x 4 mm

Description of Lot: Similar to the previous lot; partial slice; rim of crust; prominent chondrule

Low - High Pre-Auction Value Estimate: \$1,600 - \$1,900

Auction results: Auctioneer pass at \$1,200

105. Hesse (witnessed fall)

Type: H5

Date of fall/find: 1/1/1869

Total Weight Known: 20 Kg

Locality: Svealand, Uppsala, Sweden

Specimen weight: 43.7 grams

Dimensions: 34 x 29 x 23 mm

Description of Lot: Complete individual; primary and secondary fusion crust; #M.103P

Low - High Pre-Auction Value Estimate: \$300 - \$375

Auction results: Sold for \$475

106. Kainsaz (witnessed fall) (minimum bid reserved)

Type: C03.2

Date of fall/find: 9/13/37

Total Weight Known: 200 Kg

Locality: Tatarskaya, Russia

Specimen weight: 110.1 grams

Dimensions: 42 x 40 x 17 mm

Description of Lot: Outstanding square specimen cut and polished on 5 sides; one face crust; Kazan University

Low - High Pre-Auction Value Estimate: \$3,400 - \$4,000

Auction results: Auctioneer pass at \$2,700

107. Kainsaz (witnessed fall)

Type: C03.2

Date of fall/find: 9/13/37

Total Weight Known: 200 Kg

Locality: Tatarskaya, Russia

Specimen weight: 6.97 grams

Dimensions: 42 x 25 x 2 mm

Description of Lot: Similar to previous lot; partial slice; one edge crust; high polish; pristine; rare CO3.2

Low - High Pre-Auction Value Estimate: \$350 - \$450

Auction results: Sold for \$200

108. Kainsaz (witnessed fall) (minimum bid reserved)

Type: C03.2

Date of fall/find: 9/13/37

Total Weight Known: 200 Kg

Locality: Tatarskaya, Russia

Specimen weight: 141.2 grams

Dimensions: 85 x 44 x 35 mm

Description of Lot: Wedge-shaped end piece; loaded with crust; witnessed CO3.2 fall

Low - High Pre-Auction Value Estimate: \$4,000 - \$5,000

Auction results: Auctioneer pass at \$2,600

109. Kainsaz (witnessed fall) (minimum bid reserved)

Type: C03.2

Date of fall/find: 9/13/37

Total Weight Known: 200 Kg

Locality: Tatarskaya, Russia

Specimen weight: 21.09 grams Dimensions: 35 x 29 x 6 mm

Description of Lot: Similar to previous lot; partial slice; one edge crust; high polish; pristine

Low - High Pre-Auction Value Estimate: \$850 - \$1,000

Auction results: Auctioneer pass at \$425

110. Pena Blanca Spring (witnessed fall) (minimum bid reserved)

Type: AUB

Date of fall/find: 8/2/46

Total Weight Known: 70 Kg

Locality: Brewster County, Texas

Specimen weight: 19.91 grams

Dimensions: 54 x 30 x 4 mm

Description of Lot: Rectangular partial slice; creamy matrix with inclusions

Low - High Pre-Auction Value Estimate: \$600 - \$800

Auction results: Sold for \$450



111. Richardton (witnessed fall) (minimum bid reserved)

Type: H5

Date of fall/find: 6/30/18

Total Weight Known: 90 Kg

Locality: Stark County, ND

Specimen weight: 273.2 grams

Dimensions: 71 x 46 x 51 mm

Description of Lot: Complete individual; 60% crust; also secondary crust; #100.34

Low - High Pre-Auction Value Estimate: \$750 - \$1,000

Auction results: Auctioneer pass at \$600

112. Richfield

Type: LL3.7

Date of fall/find: 1983

Total Weight Known: 40.8 Kg

Locality: Morton County, Kansas

Specimen weight: 14.58 grams

Dimensions: 36 x 32 x 3 mm

Description of Lot: Thin partial slice; loaded with inclusions

Low - High Pre-Auction Value Estimate: \$275 - \$350

Auction results: Auctioneer pass at \$140

113. Selma

Type: H4

Date of fall/find: 1906

Total Weight Known: 140.6 Kg

Locality: Dallas County, Alabama

Specimen weight: 1418.9 grams

Dimensions: 228 x 195 x 9 mm

Description of Lot: Large complete slice; rim of crust; dark brown matrix; AMNH provenance

Low - High Pre-Auction Value Estimate: \$1,600 - \$2,000

Auction results: Sold for \$1,400



114. St. Michel (witnessed fall)

Type: L6

Date of fall/find: 7/12/10

Total Weight Known: 17 Kg

Locality: Mikkeli, Finland

Specimen weight: 46.4 grams

Dimensions: 56 x 39 x 5 mm

Description of Lot: Partial slice; extensive impact veining; one large chondrule

Low - High Pre-Auction Value Estimate: \$250 - \$350

Auction results: Sold for \$250

115. Talampaya (witnessed fall)

Type: AEUC-C

Date of fall/find: 1995

Total Weight Known: 1.421 Kg

Locality: Argentina

Specimen weight: 9.8 grams

Dimensions: 24 x 21 x 9 mm

Description of Lot: Cut end fragment; loaded with crust; brecciated cumulate eucrite; mountain climber speechless for months after witnessing fall

Low - High Pre-Auction Value Estimate: \$700 - \$800

Auction results: Sold for \$800



116. LA 001

Type: ASHE

Date of fall/find: 1999

Total Weight Known: 0.698 Kg

Locality: Los Angeles County, California

Specimen weight: 1.29 grams

Dimensions: 13 x 11 x 2 mm

Description of Lot: Partial slice; one edge of crust; with thanks to Bob Verish

Low - High Pre-Auction Value Estimate: \$2,500 - \$3,250

Auction results: Sold for \$1,900

117. LA 001

Type: ASHE

Date of fall/find: 1999

Total Weight Known: 0.698 Kg

Locality: Los Angeles County, California

Specimen weight: 0.41 grams

Dimensions: 6 x 5 x 4 mm

Description of Lot: Similar to the previous lot; small partial slice

Low - High Pre-Auction Value Estimate: \$850 - \$1,100

Auction results: Sold for \$500

118. Ahumada (minimum bid reserved)

Type: PAL

Date of fall/find: 1909

Total Weight Known: 52.6 Kg

Locality: Chihuahua, Mexico

Specimen weight: 47.9 grams

Dimensions: 59 x 31 x 6 mm

Description of Lot: One edge crust; one side etched; Field Museum provenance

Low - High Pre-Auction Value Estimate: \$850 - \$1,200

Auction results: Auctioneer pass at \$500



119. Tjerebon (witnessed fall)

Type: L5

Date of fall/find: 7/10/22

Total Weight Known: 16.5 Kg

Locality: West Java, Indonesia

Specimen weight: 17.2 grams

Dimensions: 45 x 21 x 5 mm

Description of Lot: Partial slice; hypothesized to be part of a meteorite stream

Low - High Pre-Auction Value Estimate: \$125 - \$175

Auction results: Sold for \$70

120. Tokio End Piece

Type: H5
Date of fall/find: 1974
Total Weight Known: 6.6 Kg
Locality: Terry County, Texas
Specimen weight: 835.6 grams
Dimensions: 130 x 99 x 49 mm
Description of Lot: End piece; lots of crust; stabilized
Low - High Pre-Auction Value Estimate: \$650 - \$750
Auction results: Auctioneer pass at \$375

121. Udei Station (witnessed fall)

Type: IA
Date of fall/find: 1927
Total Weight Known: 103 Kg
Locality: Benue, Nigeria
Specimen weight: 119.5 grams
Dimensions: 67 x 21 x 9 mm
Description of Lot: Cut and polished wedge; etched; large silicate inclusion; one edge crust
Low - High Pre-Auction Value Estimate: \$500 - \$650
Auction results: Sold for \$300

122. Peekskill (witnessed fall)

Type: H6
Date of fall/find: 10/9/92
Total Weight Known: 12.57 Kg
Locality: Westchester County, New York
Specimen weight: 23.9 grams
Dimensions: 33 x 31 x 7 mm
Description of Lot: Partial slice; one edge crust; heavy veining; smashed into auto; piece of tail-light accompanies lot
Low - High Pre-Auction Value Estimate: \$1,400 - \$1,800
Auction results: Sold for \$1,200



123. Vaca Muerta

Type: MES
Date of fall/find: 1861
Total Weight Known: 4,000 Kg
Locality: Atacama, Chile
Specimen weight: 622.1 grams
Dimensions: 77 x 73 x 51 mm
Description of Lot: One large fragment that has been split with both faces polished; eucritic inclusions
Low - High Pre-Auction Value Estimate: \$600 - \$800
Auction results: Sold for \$350

124. Wold Cottage (witnessed fall)

Type: L6
Date of fall/find: 12/13/1795
Total Weight Known: 25 Kg
Locality: Yorkshire, England
Specimen weight: 6.2 grams
Dimensions: 30 x 7 x 7 mm
Description of Lot: Partial slice; one inclusion more than 7 mm; England's most historic meteorite
Low - High Pre-Auction Value Estimate: \$1,200 - \$1,600
Auction results: Sold for \$900

125. Lamont

Type: MES
Date of fall/find: 4/23/05
Total Weight Known:
Locality: Greenwood County, Kansas

Specimen weight: 92.6 grams
Dimensions: 65 x 61 x 6 mm
Description of Lot: Partial slice; one edge crust; similar in appearance to Crab Orchard
Low - High Pre-Auction Value Estimate: \$800 - \$1,000
Auction results: Sold for \$550

126. Quidong (witnessed fall) (minimum bid reserved)

Type: L/LL5-AN
Date of fall/find: 7/2/82
Total Weight Known: 1.275 Kg
Locality: Jiangsu, China
Specimen weight: 35 grams
Dimensions: 43 x 21 x 17 mm
Description of Lot: Fragment with crust; fresh; unusual L/LL5-AN
Low - High Pre-Auction Value Estimate: \$450 - \$600
Auction results: Sold for \$350

127. Tucson Ring (minimum bid reserved)

Type: IRUNGR
Date of fall/find: 1850
Total Weight Known: 975 Kg
Locality: Pima County, Arizona
Specimen weight: 3.97 grams
Dimensions: 8 x 7 x 6 mm
Description of Lot: Small cut and polished rectangular section; from The Ring; unique iron with silicate inclusions
Low - High Pre-Auction Value Estimate: \$850 - \$1,000
Auction results: Sold for \$500

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