

R.A. LANGHEINRICH METEORITES

METEORITE AUCTION CATALOG



METEORITE AUCTION AT THE TUCSON GEM AND MINERAL SHOW 2007

Founded by prominent collector [Allan Lang](#) in 1971, the R.A. Langheinrich Meteorite Collection is one of the foremost private collections in the world. Comprising hundreds of witnessed falls; unique historic documented meteorites — many with original museum numbers and specimen cards; large irons with unusual character; and lunar and planetary material, the collection is internationally recognized as an important reference and research resource. Many specimens were acquired by the collection through institutional trades with the world's major museums.

Much of the Langheinrich Meteorite Collection is viewable online in the [R.A. Langheinrich Museum of Meteorites](#), and private viewings can be arranged by appointment. Occasionally, specimens from the collection are made available for sale to private collectors and institutions. The specimens shown below will be **offered at auction on Saturday, February 3, 2007 during the Tucson Gem and Mineral Show.**

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[Auction rules and absentee bids](#)



LOT 1

WITNESSED FALL

Estimate: \$600 - 800

ANDOVER

10.6 grams With fusion crust
Stone, Olivine-hypersthene chondrite (L6)
Fell Oxford County, Maine U.S.A August 5, 1898



LOT 2

WITNESSED FALL

Estimate: \$900 - 1400

BANDONG

80.8 grams With fusion crust
Stone, Olivine hypersthene chondrite, amphoterite (LL6)
Fell Java, Indonesia December 10, 1871



LOT 3

WITNESSED FALL

Estimate: \$250 - 385

BANTEN

1.5 grams
Stone, Carbonaceous chondrite, type 11 (CM2)
Fell Java, Indonesia May 24, 1933



LOT 4

WITNESSED FALL

Estimate: \$1600 - 1900

BENGUERIR

533 grams With fusion crust
Stone. Chondrite (LL6)
Morocco Fell November 22, 2004



LOT 5

WITNESSED FALL

Estimate: \$1700 - 2100

BILANGA

168 grams Individual with 70% fusion crust
Achondrite, Ca-poor. Diogenite (ADIO).
Burkina-Fasco, Fell October 27, 1999



LOT 6

WITNESSED FALL

Estimate: \$225 - 375

BJURBOLE

14.89 grams **Hand Written Museum Label Humboldt University**
Stone. Olivine-hypersthene chondrite (L4)
Borga, Nyland, Finland Fell March 12, 1899



LOT 7

Estimate: \$7500 - 8900

CAMEL DONGA

531 grams **Oriented stone, 97% fusion-crust**
Complete stone, 100% rich glossy fusion crust
Stone, eucrite (EUC) Western Australia Found 1984



LOT 8

WITNESSED FALL

Estimate: \$175 - 350

CANGAS DE ONIS

10.4 grams **Slice**
Stone, Olivine-bronzite chondrite (H5)
Asturias, Spain Fell December 6, 1866



LOT 9

Estimate: \$3000 - 3950

CANYON DIABLO Excellent Sculptural iron, natural patine with a hole
1545 grams A complete stone
Iron. Octahedrite, coarse (IA) Coconino County, Arizona
Found 1891



LOT 10

Estimate: \$2700 - 3500

CANYON DIABLO Historic iron , natural patina & Ninninger # 34.5239
2960 grams Complete stone, Sculptural iron with animal-like appearance
Iron. Octahedrite, coarse (IA)
Coconino County, Arizona Found 1891



LOT 11

Estimate: \$1200 - 1800

CARBO A beautiful etched slice
383 grams Slice size 8mm x 63mm x 89 mm
Iron. Octahedrite, medium (0.9mm) (IID)
Sonora, Mexico Found 1923



LOT 12

WITNESSED FALL

Estimate: \$200 - 350

COLD BOKKEVELD
1.5 grams Slice
Stone. Carbonaceous chondrite type II (CM2)
Cape Province, South Africa Fell October 13, 1838



LOT 13

WITNESSED FALL

Estimate: \$100 - 250

DANVILLE
1.1 grams Low total recovered weight 2 Kg
Stone. Olivine-hypersthene chondrite (L6) Veined, brecciated
Morgan County, Alabama Fell November 27, 1868

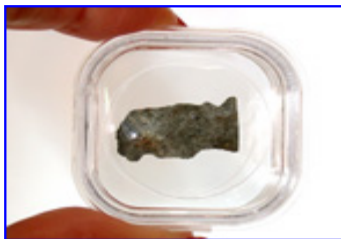


LOT 14

WITNESSED FALL

Estimate: \$450 - 700

DJATI - PENGILON
36.4 grams
Stone. Olivine-bronzite chondrite (H6)
Ngawi district, Java, Indonesia Fell March 19, 1884



LOT 15

WITNESSED FALL

Estimate: \$425 - 750

ENSISHEIM

3 grams

Stone. Olivine-hypersthene chondrite (LL6)

Alsace, France Fell November 16, 1492



LOT 16

Estimate: \$575 - 800

GEORGETOWN (IRON)

26.2 grams Slice

Iron (IIICD)

Georgetown, Australia Found 1988



LOT 17

Estimate: \$3000 - 4000

GIBEON Large Sculptural iron

10.8 Kg

Iron. Octahedrite, fine (0.30mm) (IVA)

Great Nama Land, Namibia Found 1836



LOT 18

Estimate: \$2500 - 3500

GIBEON Large etched iron

6265 grams End slice with a beautiful etched pattern

Iron. Octahedrite, fine (0.30mm) (IVA)

Great Nama Land, Namibia Found 1836



LOT 19

WITNESSED FALL

Estimate: \$50 - 90

GORLOVKA With Museum Label

2.79 grams

Stone. Olivine-bronzite chondrite (H3-4)

Pabna district, Rajshahi, Bangladesh Fell July 17, 1974



LOT 20

Estimate: \$650 - 850

GRAYTON Dupont Collection Label

66.2 grams slice

Stone Olivine-bronzite chondrite (H5)

Grayton Beach, Walton County, Florida, USA Found 1983



LOT 21

WITNESSED FALL

Estimate: \$300 - 400

HARLETON

20.6 grams

Stone, Olivine-hypersthene chondrite (L6)

Harrison County, Texas, USA Fell May 30, 1961



LOT 22

Estimate: \$350 - 450

HUGOTON Nininger #280.12 Museum Label-American Meteorite Lab

114 grams American laboratory

Stone, Olivine-bronzite chondrite (H5), Black, brecciated

Stevens County, Kansas, USA. Found 1927, recognized 1936



LOT 23

WITNESSED FALL

Estimate: \$750 - 1200

HVITTIS

30.5 grams Slice size 3.5mm x 42 mm x 70 mm

Stone Enstatite chondrite (E6)

Abo, Finland Fell October 21, 1901



LOT 24

WITNESSED FALL

Estimate: \$2200 - 2700

IBITIRA

18.8 grams

Stone. Achondrite, Ca-rich. Eucrite (AEUC), vesicular, unbrecciated

Martinho Campos, Minas Gerais, Brazil Fell June 30, 1957



LOT 25

WITNESSED FALL

Estimate: \$75 - 150

JELICA

7.6 grams

Stone. Olivine-hypersthene chondrite, amphoterite (LL6)

Serbia Yugoslavia Fell December 1, 1889



LOT 26

WITNESSED FALL

Estimate: \$550 - 800

JILIN

177 grams With fusion crust

Stone. Olivine-bronzite chondrite (H5)

Jilin, China Witnessed fall, March 8, 1976



LOT 27

WITNESSED FALL

Estimate: \$2600 - 3500

JUVINAS

39.7 grams Approx. recovered weight: 91 kg
Stone Achondrite, Eucrite
Ardeche, France Witnessed fall, June 15, 1821



LOT 28

WITNESSED FALL

Estimate: \$2000 - 3000

KAPOETA

11.4 grams Approx. recovered weight: 11.355 kg
Stone: Achondrite, Howardite
Equatoria, Sudan
Witnessed fall, April 22, 1942



LOT 29

WITNESSED FALL

Estimate: \$225 - 350

KHOHAR

12.3 grams
Stone. Olivine-hypersthene chondrite (L3.6)
Banda district, Uttar Pradesh, India Witnessed fall, October 10, 1938



LOT 30

WITNESSED FALL

Estimate: \$100 - 250

KNYAHINYA

Hand written numbered museum label

8.5 grams individual with 80% fusion crust, very fresh
Stone. Olivine-hypersthene chondrite (L5)
Nagybereszna, Ungvar, Ukraine, USSR Witnessed fall, June 9, 1866



LOT 31

WITNESSED FALL

Estimate: \$4500 - 5500

LA CRIOLLA

515 grams **Killer piece, very fresh with 98% fusion crust**
Stone. Chondrite (L6)
Entre Rios, Argentina Witnessed fall, January 6, 1985



LOT 32

WITNESSED FALL

Estimate: \$475 - 825

LE TEILLEUL

0.8 grams
Stone. Achondrite, Howardite (AHOW)
Manche, France Witnessed fall, July 14, 1845



LOT 33

WITNESSED FALL

Estimate: \$6200 - 7500

LEEDEY Specimen has a Monning # M39.10

1074 grams Complete Stone 97% fusion crust
Stone, Olivine-hypersthene chondrite (L6)
Dewey County, Oklahoma, USA Fell November 25, 1943



LOT 34

WITNESSED FALL

Estimate: \$300 - 450

LUOTOLAX

3.2 grams
Stone, Achondrite, Howardite (AHOW)
Viborg, Finland Fell December 13, 1813



LOT 35

WITNESSED FALL

Estimate: \$450 - 650

MARILIA

24 grams With fusion crust
Stone, Chondrite (H4) Low total weight found 2.5 KG
Sao Paulo, Brazil Fell October 5, 1971



LOT 36

WITNESSED FALL

Estimate: \$2800 - 3500

MARION (IOWA)

311 grams with fusion crust
Stone. Olivine-hypersthene Chondrite (L6), veined.
Linn County, Iowa. USA. Witnessed fall, February 25, 1847



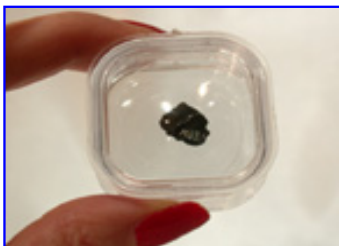
LOT 37

WITNESSED FALL

Estimate: \$2200 - 2850

MARJALAHTI Old label

86 grams Slice with fusion crust
Stone-iron, Pallasite (PAL)
Viipuri, Karelia ASSR, USSR Witnessed fall, June 1, 1902



LOT 38

WITNESSED FALL

Estimate: \$125 - 250

MIGHEI Foote label & Monning number

0.69 grams
Stone. Carbonaceous chondrite, type II (CM2)
Olviopal, Kherson, Ukraine, USSR Witnessed fall, June 18, 1889



LOT 39

WITNESSED FALL

Estimate: \$1050 - 1400

MILLBILLILLIE

Excellent fusion crusted specimen

145.4 grams 96% fusion crust

Stone, eucrite (EUC) Complete crusted stone

Fell Western Australia October, 1960



LOT 40

WITNESSED FALL

Estimate: \$200 - 350

MOCS

13.1 grams With 98% fusion crust

Stone. Olivine-hypersthene chondrite (L6)

Cluj(=Klausenburg, Kolozvar) Transylvania, Romania February 3, 1882



LOT 41

WITNESSED FALL

Estimate: \$7000 - 9000

MODOC (1905) American Museum of Natural History # 2188

730 grams Approx. recovered weight 15.9 kg

Stone. Chondrite (L6) veined- A beautiful complete stone

Scott County, Kansas, USA

Witnessed fall: September 2, 1905



LOT 42

WITNESSED FALL

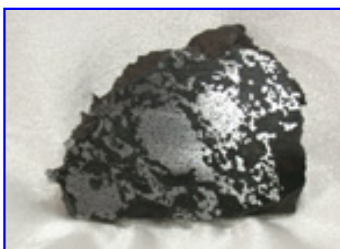
Estimate: \$5000 - 6000

MONROE Numbered museum label

359 grams With fusion crust

Stone. Olivine-bronzite chondrite (H4) brecciated

Cabarrus County, North Carolina, USA Witnessed fall, October 31, 1849



LOT 43

Estimate: \$900 - 1200

MORRISTOWN

35.9 grams

Stony-iron Mesosiderite (MES)

Hamblen County, Tennessee, USA Found 1887



LOT 44

Estimate: \$4000 - 5000

MUNDRABILLA Excellent specimen with a beautiful etched finish

1520 grams Very large Full Slice that has been etched

Iron. Octahedrite, medium (0.6mm) with sulphide & silicate inclusions

Nullarbor Plain, Western Australia Found 1911



LOT 45

WITNESSED FALL

Estimate: \$900 - 1500

NANJEMOY

23 grams Low recovered total weight 7.5 Kg

Stone. Olivine-bronzite chondrite (H6)

Charles County, Maryland, USA Witnessed fall, February 10, 1825



LOT 46

LUNAR METEORITE

Estimate: \$2000 - 2900

NORTH WEST AFRICA 032

1.57 grams

Stone, lunaite, mare basalt

Found near Kem Kem Plateau, Morocco October, 1999



LOT 47

WITNESSED FALL

Estimate: \$1100 - 1500

OURIQUE

112.7 grams With fusion crust

Stone, Chondrite (H4)

Baixo Alentejo, Portugal Witnessed fall, December 28, 1998



LOT 48

WITNESSED FALL

Estimate: \$750 - 900

PASAMONTE With fusion crust

7.5 grams With Approx. recovered weight 3-4 Kg

Stone: Achondrite. Eucrite

Union County, New Mexico Witnessed fall, March 24, 1933



LOT 49

WITNESSED FALL

Estimate: \$2600 - 3500

PEEKSKILL

38.89 grams with fusion crust!

Stone, Olivine-bronzite chondrite (H6)

Peekskill, New York, USA Witnessed fall, October 9, 1992



LOT 50

WITNESSED FALL

Estimate: \$350 - 450

PEEKSKILL METEORITE CAST

A Cast of the original Peekskill meteorite

Stone, Olivine-bronzite chondrite (H6)

Peekskill, New York, USA Witnessed fall, October 9, 1992



LOT 51

WITNESSED FALL

Estimate: \$4500 - 5500

PULTUSK With museum numbered label

566 grams Complete stone

Stone. Olivine-bronzite chondrite (H5)

Warsaw, Poland Witnessed fall, January 30, 1868



LOT 52

WITNESSED FALL

Estimate: \$100 - 150

QUENGGOUK

2.9 grams

Stone. Olivine-bronzite chondrite (H4)

Bassein district, Burma Witnessed fall, December 27, 1857



LOT 53

WITNESSED FALL

Estimate: \$7500 - 9500

RICHARDTON A beautiful stone with Nininger # & label

2 Kg

Stone. Olivine-bronzite chondrite (H5) ,veined

Stark County , North Dakota, USA Witnessed fall, June 30, 1918



LOT 54

WITNESSED FALL

Estimate: \$350 - 500

ST MICHEL

29.3 grams

Stone. Olivine-hypersthene chondrite (L6)

Mikkeli, Finland Witnessed fall, July 12, 1910



LOT 55

WITNESSED FALL

Estimate: \$300 - 500

SYLACAUGA "The one that hit the lady"

2.65 grams

Stone. Olivine-bronzite chondrite (H4)

Talladega County, Alabama USA. Witnessed fall, November 30, 1954



LOT 56

WITNESSED FALL

Estimate: \$800 - 1200

TENHAM

306 grams A beautiful black complete stone with 98% fusion crust

Stone, L6 veined Complete crusted stone

Fell Queensland, Australia Spring, 1879



LOT 57

WITNESSED FALL

Estimate: \$650 - 850

TRENZANO

6.8 grams

Stone. Olivine-bronzite chondrite (H6), veined.

Brescia, Lombardy, Italy Witnessed fall, November 12, 1856



LOT 58

WITNESSED FALL

Estimate: \$750 - 950

TUXTUAC

201 grams with fusion crust!

Stone. Olivine-hypersthene chondrite, amphoterite (LL5)

Zacatecas, Mexico Witnessed fall, October 16, 1975



LOT 59

WITNESSED FALL

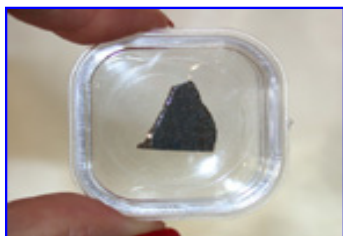
Estimate: \$2300 - 2900

UDEI STATION

319 grams Full etched slice

Stone. Olivine-hypersthene chondrite, amphoterite (LL5)

Zacatecas, Mexico Witnessed fall, October 16, 1975



LOT 60

WITNESSED FALL

Estimate: \$75 - 125

VERNON COUNTY

1.74 grams

Stone. Olivine-bronzite chondrite (H6), veined

Vernon County, Wisconsin, USA. Witnessed fall, March 26, 1865



LOT 61

Estimate: \$375 - 550

VILLA NATAMOROS **This is the main mass**

51.3 grams with fusion crust

Stone. Chondrite (L3.7) total weight found 156 grams

Chihuahua, Mexico Found 1987



LOT 62

WITNESSED FALL

Estimate: \$700 - 900

WARRENTON

7.6 grams

Stone. Carbonaceous chondrite, type III (CO3)

Warren County, Missouri, USA. Witnessed fall, January 3, 1877



LOT 63

WITNESSED FALL

Estimate: \$725 - 875

ALLENDE

116.8 grams Note the 5mm CAI
Stone, Carbonaceous chondrite (CV3.2)
Chihuahua, Mexico Witnessed fall, February 8, 1969
Approx. recovered weight: 1,000+ kg



LOT 64

WITNESSED FALL

Estimate: \$450 - 550

BEAVER CREEK

26.7 grams cut fragment
Stone. (H4)
British Columbia, Canada
Fell May 26, 1893



LOT 65

WITNESSED FALL

Estimate: \$500 - 650

BENSOUR

147 grams 96 % fusion crust very fresh
Stone. Chondrite (LL6)
Morocco Witnessed fall February 10, 2002



LOT 66

WITNESSED FALL

Estimate: \$525 - 650

DHURMSALA

43.8 grams (6.5mm x 38mm x 75mm) has a minor amount of fusion crust
Stone. Olivine-hypersthene chondrite, amphoterite (LL6)
Kangra district, Himachal Pradesh, India Witnessed fall July 14, 1415



LOT 67

WITNESSED FALL

Estimate: \$675 - 795

DRAKE CREEK

44.6 grams
Stone (L6)
Nashville, Summer County, Tennessee
Witnessed fall, May 9, 1827 Approx. recovered weight: 5.2 kg



LOT 68

WITNESSED FALL

Estimate: \$80 - 175

FARMINGTON

5.2 grams
Stone (L5) Nininger # 48.17
Farmington, Kansas
Witnessed fall, June 25, 1890 Approx. recovered weight: 90 kg



LOT 69

WITNESSED FALL

Estimate: \$2500 - 3500

JUANCHENG

626 grams 98% fusion crust , very fresh
Stone (H5)
Shandong, China Witnessed fall, Feb 15, 1997



LOT 70

WITNESSED FALL

Estimate: \$50 - 85

LIXNA

2.6 grams fragment
Stone (H4)
Dvinsk, Latvian Witnessed fall, July 12, 1820



LOT 71

Estimate: \$350 - 450

MUNDRABILLA

289 grams
Iron. Octahedrite, medium (0.6mm) with sulphide & silicate inclusions
Nullarbor Plain, Western Australia Found 1911



LOT 72

WITNESSED FALL

Estimate: \$150 - 250

MORAVKA

4.17 grams with fusion crust
Stone (H5)
Czech Republic Witnessed fall, May 6, 2000



LOT 73

WITNESSED FALL

Estimate: \$150 - 250

SIKHOTE-ALIN

120.1 grams Museum #13078
Note it is very difficult to get a Russian meteorite with a label
ron. (IIAB) Coarsest Octahedrite
Maritime Territory, Russia Fell February 12, 1947
Approx. recovered weight: 27 Ton



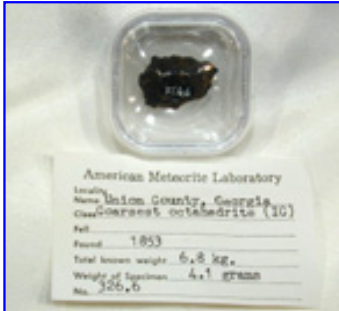
LOT 74

WITNESSED FALL

Estimate: \$300 - 400

TATAHOUINE

The total weight of the three pieces is 32.2 grams. The largest is 14.1 grams Stone. Achondrite, Ca-poor. Diogenite (ADIO)
Foun Tatahouine, Tunisia Witnessed fall, June 27, 1931



LOT 75

Estimate: \$75 - 175

UNION COUNTY

4.1 grams Nininger # 326.6, Low total weight of 6.8kg
Iron. Octahedrite. coarsest (2.1mm) (IC)
Union County, Georgia, USA Found 1853



LOT 76

WITNESSED FALL

Estimate: \$4000 - 5000

WILUNA

496 grams 98% fusion crust very fresh
Stone. Chondrite (H5) Museum # 12934-191
Western Australia Witnessed fall, September 2, 1967
Approx. recovered weight: 150+ kg

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