

R.A. LANGHEINRICH METEORITES

METEORITE AUCTION CATALOG



R.A. LANGHEINRICH METEORITE COLLECTION AUCTION

UNIQUE SPECIMENS FROM ONE OF THE WORLD'S TOP COLLECTIONS

METEORITE AUCTION AT THE TUCSON GEM AND MINERAL SHOW, 2006

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 4th, 2006 during the Tucson Gem and Mineral Show.**

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LOT 1

WITNESSED FALL

ALLENDE

Large complete fusion-crust individual

1,667 grams

Stone, CV3.2

Fell Chihuahua, Mexico February 8, 1969



LOT 2

WITNESSED FALL - MARTIAN METEORITE

NAKHLA

With Humboldt University Label

6.0 grams

Stone, achondrite, nakhlite

Fell Alexandria, Egypt June 28, 1911



LOT 3

WINONA

10.35 gram fragment

Stone, winonaite (WIN) Found Coconino County, AZ, USA 1928



LOT 4

WITNESSED FALL

CHANTONNAY

17.0 grams **With three collection numbers and historic European labels, including Humboldt University**

Stone, L6 Fell Vendee, France August 5, 1812



LOT 5

CANYON DIABLO

3,442 grams **Historic iron with natural hole and Nininger # 34.5089**

Iron, IAB Also comes with original Nininger invoice!

Coconino County, AZ, USA First found 1891



LOT 6

WITNESSED FALL

MURCHISON

36.5 grams **Perfect oriented stone, 100% fusion-crust**

Stone (CM2)

Victoria, Australia Fell September 28, 1969



LOT 7

NWA 2978 **Impact melt breccia, giant polished slice**

2,230 grams slice with diamond lap finish 300 mm x 380 mm

Stone, impact melt breccia Found Sahara Desert



LOT 8

CAMEL DONGA **Excellent oriented, fusion crusted specimen**

135 grams Complete stone, 100% rich glossy fusion crust

Stone, eucrite (EUC) Western Australia Found 1984



LOT 9

WITNESSED FALL

ELENOVKA

97 grams with fusion crust and museum label #1845

Stone L5

Fell Donets'k, Ukraine October 17, 1951



LOT 10

CAT MOUNTAIN

51 grams Complete polished slice
Stone, L5 impact melt breccia
Found Pima Co., Arizona, USA 1980



LOT 11

GUFFEY

380 gram part slice with polished face 95 mm x 118 mm
Iron, anomalous iron ataxite (IRUNGR ATA)
Found Park County, CO, USA 1907



LOT 12

DHOFAR 132

636 grams half end cut with two diamond lap-finished faces
Stone, ureilite (URE) Found Sahara Desert 2000



LOT 13

WITNESSED FALL

MENOW

19.6 grams with fusion crust, British Museum # BM50928
Stone H4
Fell Vorpommern, Germany October 7, 1862



LOT 14

WITNESSED FALL

SHELburne

28.1 grams slice with minor fusion crust
Stone L5, brecciated, veined
Fell Ontario, Canada August, 13, 1904



LOT 15

NWA 176 Unique anomalous iron with olivine crystals

68.5 grams Iron with silicate inclusions, ungrouped
Found near Moroccan/Algerian border 1999



LOT 16

WITNESSED FALL

KUNASHAK

With exceptional 14mm chondrule barred chondrule

348 grams slice with diamond lap finish

Stone L6

Fell Chelyabinsk Province, Russia June 11, 1949



LOT 17

FAUCETT

6,055 grams Large stone with one cut and polished face

Stone, H4 Found Buchanan Co., Missouri, USA 1966



LOT 18

MARTIAN METEORITE

NWA1110 MARTIAN METEORITE

42.66 grams with fusion crust on two sides

Stone, picritic Martian Found North West Africa



LOT 19

WITNESSED FALL

PERVOMAIISKY 98% crusted, museum #249

520 grams Complete fusion crusted stone

Stone (L6)

Vladimirskaya, Russia Fell December 26, 1933



LOT 20

WITNESSED FALL

BATH FURNACE

38.1 grams with fusion crust

Stone L6

Fell Bath County, KY, USA November 15, 1902



LOT 21

LIBYAN DESERT GLASS

1,495.3 large translucent individual

Impact glass

Found Libyan Desert



LOT 22

WITNESSED FALL

TENHAM

307.5 grams 98% fusion crust
Stone, L6 veined Complete crusted stone
Fell Queensland, Australia Spring, 1879



LOT 23

WITNESSED FALL

ZHOVTNEVYI

205.7 grams Very thin, large slice with fusion crust and nice metal veins
Pavlovka, Stalino, Donetsk Province, Ukraine Stone (H5)
Fell October 10, 1938



LOT 24

NWA 2656 TRANSITIONAL ACAPULCOITE

4,100 grams Found North West Africa, 2003
Stone transitional acapulcoite, winonaite, lodranite



LOT 25

PLAINVIEW

1,660 grams
Stone, H5 brecciated Found Hale County, TX, USA 1917



LOT 26

NWA 2646

MARTIAN METEORITE, MAIN MASS

24.17 grams Main mass of a non-SNC Martian meteorite
Olivine Gabbro Found, Northwest Africa



LOT 27

WITNESSED FALL

KERNOUNVE

14.0 grams
Stone, H6
Fell Morbiham, France May 22, 1869



LOT 28

WITNESSED FALL

BUR GHELUAI

Dupont Collection specimen

32.8 grams Stone, H5 xenolithic

Fell Bur-Hagaba District, Somalia October 16, 1919



LOT 29

DAR AL GANI 485

Main mass

235 grams

Stone, ureilite (AURE) Found Sahara, Africa 1997



LOT 30

WITNESSED FALL

KABO

65.8 grams

Stone, H4

Fell Kabo State, Nigeria April 25, 1971



LOT 31

CANYON DIABLO

3,679 grams **Historic iron with natural patina and Nininger # 34.5417**

Iron, IAB

Coconino County, AZ, USA First found 1891



LOT 32

WITNESSED FALL

BOVEDY

10.9 grams Part slice with excellent chondrules

Stone, L3

Fell Londonderry, N. Ireland April 25, 1969



LOT 33

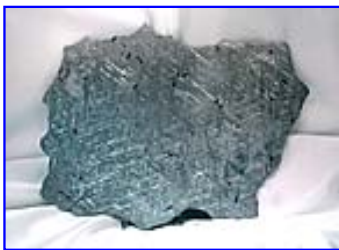
WITNESSED FALL

AUSSON

8.0 grams

Stone, L5

Fell Haute Garonne, France December 9, 1858



LOT 34

GIBEON

1,950 grams Iron, IVA Very large complete etched slice
Hardap, Namibia First found 1836 210 mm x 290 mm



LOT 35

WITNESSED FALL

BARWELL

93.6 grams **Museum of Natural History, London #32885**
Stone, L6 Partially fusion crusted
Fell Leicestershire, England December 24, 1965



LOT 36

WITNESSED FALL

MILLBILLILLIE Excellent fusion crusted specimen

145.4 grams 96% glossy fusion crust
Stone, eucrite (EUC) Complete crusted stone
Fell Western Australia October, 1960



LOT 37

WITNESSED FALL

CUMBERLAND FALLS

26.6 grams Some caramel colored fusion crust
Stone, aubrite (AUB)
Fell Whitley County, KY, USA April 9, 1919



LOT 38

WITNESSED FALL

JUVINAS

13.2 grams
Stone, eucrite (EUC) Partially crusted fragment
Fell Ardeche, France June 15, 1821



LOT 39

LUNAR METEORITE

NWA 032

6.2 grams Stone, lunaite, mare basalt
Found near Kem Kem Plateau, Morocco October, 1999



LOT 40

WITNESSED FALL

MARION

31.6 grams

Stone, L6 veined

Fell Linn County, IA, USA February 25, 1847



LOT 41

WITNESSED FALL

NUEVO MERCURIO

86 grams 99.5% fusion crust

Stone, H5 Complete stone

Fell Zacatecas, Mexico December 15, 1978



LOT 42

CAMPO DEL CIELO

Unique individual with natural hole

5,174 grams Sculptural iron with animal-like appearance and large hole

Iron, IAB Found, Chubut, Argentina First known 1576



LOT 43

NWA 1242

121 grams Stony-iron mesosiderite (MES)

Found near Gillio, Libya 1985



LOT 44

WITNESSED FALL

VOUILLE

45.6 grams Small amount of crust on edge

Stone, L6 veined

Fell Vienne, France May 13, 1831



LOT 45

WITNESSED FALL

THUATHE

236 grams 98% fusion crust

Stone H4/5

Fell Lesotho July 21, 2002



LOT 46

WITNESSED FALL

SUIZHOU

449 grams 50% fusion crust, very fresh
Stone, L6 Part stone
Fell Hubei, China April 15, 1986



LOT 47

NWA 2686 MESOSIDERITE

37.48 grams, polished end cut Total known weight 546 grams
Mesosiderite (MES) Found North West Africa



LOT 48

NWA 2961

437 grams Saharan stone. Main mass with cut face.
Stone, L3.6 Found Sahran Desert



LOT 49

WITNESSED FALL

TALAMPAYA

12.5 grams Part slice with fusion crust on on edge
Stone, eucrite (EUC)
Found Argentina 1995



LOT 50

WITNESSED FALL

TIMOCHIN

9.5 grams **Humboldt University number and old handwritten label**
Stone, H5
Fell Kaluga, Russia March 25, 1807



LOT 51

WITNESSED FALL

TRENZANO

4.7 grams **Nininger # 123.2 with original American Meteorite Lab label**
Stone, H6 veined
Fell Lombardia, Italy November 12, 1856



LOT 52

PLAINVIEW

329.7 grams **With historic Nininger # 92.500**
Stone, H5 brecciated Found Hale County, TX, USA Found 1917



LOT 53

WITNESSED FALL

WILUNA

41.5 grams 98% fusion crust with museum painted number 12934
Stone, H5
Fell Western Australia September 2, 1967



LOT 54

MASSIVE ORIENTED CHONDRITE

32,600 grams oriented Saharan chondrite with multiple regmaglypts
Stone (classification pending) Found North West Africa



LOT 55

WITNESSED FALL

PORTALES VALLEY

141.5 grams 90% fusion crust
Stone, H6 Complete stone with fusion crust
Fell Roosevelt County, NM, USA June 13, 1998

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