

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, 2005

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 Sunday, February 6th, 2005 during the Tucson Gem and Mineral Show.**

Auction times & location [HERE](#) **Absentee bidder information** [HERE](#)

All specimens will be accompanied by an original R.A. Langheinrich Collection identification card. There will be **NO BUYER'S PREMIUM** at this auction.

We accept cash, cashier's checks, personal checks (by prior arrangement please), Visa and MasterCard. Please read our [auction rules](#) before bidding.

[Absentee bids](#) are welcome. Estimates are intended as a guide only.

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LOT NUMBER 1 WITNESSED FALL

Elbogen

32.0 grams **With original Berlin museum label & collection numbers**
Iron (IID)
Bohemia, Czech Republic Fell 1400
Estimate: \$3,000 – 3,250



LOT NUMBER 2 WITNESSED FALL

Bereba

48.2 grams **With original Paris museum label**
Stone. Achondrite eucrite (EUC)
Burkina Faso, Africa Fell June 27, 1924
Estimate: \$1,400 – 1,600



LOT NUMBER 3 WITNESSED FALL

Alfianello
Stone (L6)
39.1 grams with fusion crust
Brescia, Italy Fell 1883
Estimate: \$1,800 – 2,250



LOT NUMBER 4

Henbury
16.1 grams Iron (IIIAB) **With original typed Ward's label and #1553**
Northern Territory, Australia Found 1931
Estimate: \$90 – 125



LOT NUMBER 5 WITNESSED FALL

Norton County
155 grams
Stone: Achondrite Aubrite
Norton County, Kansas Fell February, 18, 1948
Estimate: \$3,300 – 3,500



LOT NUMBER 6

Caddo County
64.7 grams
Iron (IAB) Silicate inclusions
Caddo County, OK, USA Found 1986
Estimate: \$675 – 750



LOT NUMBER 7 WITNESSED FALL

Cangas de Onis
Stone (H5)
26.6 grams
Asturias, Spain Fell December 6, 1866
Estimate: \$500 – 600



LOT NUMBER 8 WITNESSED FALL

Acapulco
Stone (CHANCOM)
1.27 grams
Acapulco, Mexico Fell August 11, 1976
Estimate: \$625 – 750



LOT NUMBER 9 WITNESSED FALL

Millbillillie

117.2 grams
Stone (EUC)
Wiluna dist. Western Australia, Australia Fell October 1960
Estimate: \$550 – 650



LOT NUMBER 10 WITNESSED FALL

Aldsworth

1.38 grams **With vintage handwritten collection label**
Stone (LL5 veined)
Cirencester, Gloucestershire, England Fell August 4, 1835
Estimate: \$160 – 250



LOT NUMBER 11

Canyon Diablo

Iron (IAB)
2489 grams **With handpainted Nininger number 34.5404**
Coconino County, Arizona
Estimate: \$2,000 – 2,300



LOT NUMBER 12 WITNESSED FALL

Schonenberg The "Christmas Meteorite"

6.0 grams
Stone (L6 veined)
Schwabern, Bayern, Germany Fell December 25, 1846
Estimate: \$700 – 800



LOT NUMBER 13

Cat Mountain

Stone Impact melt breccia (L5) Dimensions: 92 mm x 112 mm
86.7 grams Complete slice with diamond lap finish
Pima County, Arizona Found 1982
Estimate: \$4,000 – 4,500



LOT NUMBER 14

Gibeon

1948 grams Complete very large etched slice
Dimensions: 5.8 mm x 240 mm x 280 mm
Great Nama Land, Namibia Iron (IVA) Found 1836
Estimate: \$1,150 – 1,300



LOT NUMBER 15 **WITNESSED FALL**

Bogou

21.5 grams
Iron, coarse octahedrite (IAB)
Burkina Faso Fell August 14, 1962
Estimate: \$300 – 400



LOT NUMBER 16 **WITNESSED FALL**

Cynthiana

3.2 grams
Stone (L4)
Harrison County, Kentucky, USA Fell January 23, 1877
Estimate: \$250 – 300



LOT NUMBER 17 **WITNESSED FALL**

Stannern

143.3 grams
Stone Euclite (EUC)
Iglau, Moravia, Czech Republic Fell May 22, 1808
Estimate: \$7,000 – 8,000



LOT NUMBER 18 **WITNESSED FALL**

Drake Creek

21.5 grams
Stone (L6)
Summer County, Tennessee Fell May 9, 1827
Estimate: \$350 – 400



LOT NUMBER 19 **WITNESSED FALL**

Ceniceros

8.1 grams
Stone (H3.7)
Chihuahua, Mexico Fell August 20, 1988
Estimate: \$100 – 150



LOT NUMBER 20

Dar al Gani 194

147.8 grams 95% fusion-crust, extremely attractive stone.
Stone (CO3)
Found Hammadah al Hamra, Libya
Estimate: \$1,100 – 1,300



LOT NUMBER 21 **WITNESSED FALL**

Elenovka

13.5 grams
Stone (L5)
Donetsk Province, Ukraine Fell October 17, 1951
Estimate: \$200 – 300



LOT NUMBER 22 **WITNESSED FALL**

Chaves

1.4 g
Stone, acondrite howardite (HOW)
Traz-os-Montes, Portugal Fell May 3, 1925
Estimate: \$800 – 950



LOT NUMBER 23 **WITNESSED FALL**

Happy Canyon

18.8 grams **With original AML Label & Huss #H314.74**
Stone (EL)
Happy Canyon, Texas Found 1971
Estimate: \$750 – 850



LOT NUMBER 24 **WITNESSED FALL**

Ibbenburen

7.7 grams
Achondrite, Diogenite
Nordrhein-Westfalen, Germany Fell June 17, 1870
Estimate: \$2,400 – 2,600



LOT NUMBER 25 **WITNESSED FALL**

Djati-Pengilon

36.4 grams
Stone, (H6)
Java, Indonesia Fell March 19, 1884
Estimate: \$550 – 650



LOT NUMBER 26 **WITNESSED FALL**

Adzhi-Bogdo

7.7 grams
Stone (LL3-6)
Gobi Altay, Mongolia Fell October 30, 1949
Estimate: \$125 – 175



LOT NUMBER 27 **WITNESSED FALL**

Johnstown
43.2 grams
Stone Achondrite, Diogenite
Weld County, Colorado Fell July 6, 1924
Estimate: \$2,000 – 2,500



LOT NUMBER 28 **WITNESSED FALL**

Monroe The "Halloween meteorite"
56.4 grams
Stone (H4)
Cabarrus County, North Carolina Fell October 31, 1849
Estimate: \$1,450 – 1,700



LOT NUMBER 29 **WITNESSED FALL**

Kunashak With exceptional 14mm chondrule barred chondrule!
348 grams slice with diamond lap finish Stone (L6)
Chelyabinsk Province , Russia Fell June 11, 1949
Dimensions: 5.5 mm x 140 mm x 170 mm
Estimate: \$1,100 – 1,300



LOT NUMBER 30 **WITNESSED FALL**

Marion (Iowa)
66.2 grams
Stone (L6 veined)
Linn County, Iowa Fell February 25, 1847
Estimate: \$350 – 425



LOT NUMBER 31 **WITNESSED FALL**

Mighei
4.8 grams
Stone Carbonaceous (CM2)
Mykolaiv province, Ukraine Fell June 18, 1889
Estimate: \$450 – 550



LOT NUMBER 32 **WITNESSED FALL**

Milena
15 grams
Stone (L6)
Varazdin, Croatia Fell April 26, 1842
Estimate: \$400 – 600



LOT NUMBER 33 **WITNESSED FALL**

Bachmut

19.4 grams

Stone (L6)

Donetsk Region, Ukraine Fell February 15, 1814

Estimate: \$250 – 300



LOT NUMBER 34 **WITNESSED FALL**

Mocs

41.5 grams with fusion crust

Stone (L6)

Transylvania, Romania Fell February 3, 1882

Estimate: \$375 – 450



LOT NUMBER 35

Northwest Africa 176

22.7 grams

Unique ungrouped iron with olivine crystals

Morocco/Algeria border Found 1999

Estimate: \$750 – 850



LOT NUMBER 36 **WITNESSED FALL**

Indarch

6.6 grams Very thin part slices with diamond lap finish

Stone (E4) Dimensions: 1.6mm x 34mm x 41mm

Shusha, Elisavetpol, Azerbaydzhan Fell 1891

Estimate: \$275 – 350



LOT NUMBER 37

Seagraves (c)

1122 grams

Stone (L6/7)

Terry County, Texas Found 1989

Estimate: \$675 – 750



LOT NUMBER 38 **WITNESSED FALL**

Nuevo Mercurio

149.7 grams

Stone (H5)

Zacatecas, Mexico Fell December 15, 1978

Estimate: \$525 – 675



LOT NUMBER 39 **WITNESSED FALL**

Kuznetzovo

48.3 grams **With Russian museum number 219**
Stone (L6)
Novosibirsk Province, Russia Fell May 26, 1932
Estimate: \$875 – 975



LOT NUMBER 40 **WITNESSED FALL**

Noyan-Bogdo **This is the largest slice cut from the main mass**

250.4 grams Stone (L6)
Omnogov aymag, Mongolia Fell September 1933
Thin slice 5.3 mm x 120 mm x 160 mm with fusion crust all around edge
Estimate: \$1,250 – 1,500



LOT NUMBER 41 **WITNESSED FALL**

Vouille

46.0 grams
Stone (L6)
Poitiers, Vienne France Fell May 13, 1831
Estimate: \$700 – 800



LOT NUMBER 42

Northwest Africa 1222

125.8 grams Dimensions: 2.8 mm x 120 mm x 160 mm
Stone (EL5) Sahara Desert, Found 2000
Very thin slice of a rare EL5 with a diamond lap finish
Estimate: \$3,500 – 4,500



LOT NUMBER 43 **WITNESSED FALL**

Ochansk **With original Russian museum label**

197 grams Some fusion crust (very unusual for Ochansk specimens)
Stone (H4)
Perm Province, Russia Fell August 30, 1887
Estimate: \$600 – 700



LOT NUMBER 44

Santa Catharina

505 grams
Iron (UNGR)
Santa Catharina, Brazil Fell 1875
Estimate: \$500 – 600



LOT NUMBER 45 **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 Dimensions: 4.3 mm x 105 mm x 170 mm
Estimate: \$950 – 1,100



LOT NUMBER 46 **WITNESSED FALL**

Khor Temiki

5.2 grams
Stone Achondrite Aubrite
Kassala, Sudan Fell April 8, 1932
Estimate: \$1,750 – 1,950



LOT NUMBER 47 **WITNESSED FALL**

Shelburne

38.5 grams
Stone (L5)
Ontario , Canada Fell August 14, 1904
Estimate: \$750 – 850



LOT NUMBER 48 **WITNESSED FALL(?)**

Winona

3.91 grams
Stone Winonaite
Coconino County, Arizona Fell (?) Prehistoric
Estimate: \$1,100 – 1,300



LOT NUMBER 49 **WITNESSED FALL**

St. Michel

15.3 grams Nicely brecciated
Stone (L6)
Mikkeli, Finland Fell July 12, 1910
Estimate: \$275 – 350



LOT NUMBER 50 **WITNESSED FALL?**

Tsarev

1277 grams
Stone (L5)
Volgograd Province Russia Found 1968. Possibly fell Dec. 6, 1922?
Estimate: \$1,400 – 1,600



LOT NUMBER 51 **WITNESSED FALL**

Monahans

9.1 grams
Stone (H5)
Ward County, Texas Fell March 22, 1998
Estimate: \$800 – 900



LOT NUMBER 52 **WITNESSED FALL**

Murchison

36.5 grams **A perfect 100% fusion-crust, oriented stone. Superb!**
Stone (CM2)
Victoria, Australia Fell September 28, 1969
Estimate: \$3,300 – 3,600



LOT NUMBER 53 **WITNESSED FALL**

Monze

715 grams
Stone (L6)
Southern Province, Zambia Fell October 5, 1950
Estimate: \$950 – 1,200



LOT NUMBER 54 **WITNESSED FALL**

Warrenton

2.0 grams
Stone (CO3)
Warren County, Missouri Fell January 3, 1877
Estimate: \$200 – 300



LOT NUMBER 55 **LUNAR METEORITE**

Northwest Africa 032 **Complete lunar slice, diamond lap finish. Killer!**

Lunar meteorite (Olivine-pyroxene basalt)
6.7 grams Dimensions: 2.4 mm x 28.5 mm x 38.4mm
Found in Morocco near Algerian border October 1999
Estimate: \$15,900 – 16,900



LOT NUMBER 56

Canyon Diablo **A superb iron with large natural hole & Huss # H37.82**

Iron (IAB)
2,226 grams
Coconino County, Arizona
Estimate: \$4,200 – 4,800



LOT NUMBER 57 **WITNESSED FALL**

Patrimonio

Stone (L6)
12.1 grams with 35% fusion crust
Minas Gerais Brazil Fell August 6, 1950
Estimate: \$200 – 275



LOT NUMBER 58 **WITNESSED FALL**

Pasamonte

Stone Achondrite, Eucrite
7.5 grams with excellent fusion crust
Union County, New Mexico Fell March 24, 1933



LOT NUMBER 59 **WITNESSED FALL**

Juvinas **With vintage handwritten, signed C. U. Shepard label**

Stone Achondrite, Eucrite
4.0 grams
Ardeche, France Fell June 15, 1821



LOT NUMBER 60 **WITNESSED FALL**

Harleton

Stone (L6)
20.6 grams partially crusted
Harrison County, Texas Fell May 30, 1961



LOT NUMBER 61 **WITNESSED FALL**

Wold Cottage

Stone (L6)
2.2 grams Dimensions: 4mm x 10mm x 15.5mm
Yorkshire, England Fell December 13, 1795



LOT NUMBER 62 **WITNESSED FALL**

Wold Cottage

Stone (L6)
7.4 grams with crust Dimensions: 4mm x 21.5mm x 35mm
Yorkshire, England Fell December 13, 1795



LOT NUMBER 63 WITNESSED FALL

Holbrook 96% fresh fusion crust, hand picked from AMNH. Exceptional!

Stone (L6) 546 grams AMNH #1501
Navajo County, Arizona, USA
Witnessed fall, July 19, 1912



LOT NUMBER 64 WITNESSED FALL

Kisvarsany
Stone (L6)
2.3 grams with crust
Hungary Fell May 24, 1914



LOT NUMBER 65

Odessa
Iron (IAB)
3,434 grams
Ector County, Texas
Found 1922



LOT NUMBER 66 WITNESSED FALL

Linum
Stone (L6)
6.3 grams with crust Dimensions: 2.8mm x 26mm x 37mm
Bradenburh, German Fell September 5, 1854



LOT NUMBER 67 WITNESSED FALL

Pervomaisky Complete stone 98% crusted, museum #249
Stone (L6)
520 grams
Vladimirskaya, Russia Fell December 26, 1933



LOT NUMBER 68 LUNAR METEORITE

Northwest Africa 032 Lunar slice with diamond lap finish
Lunar meteorite (Olivine-pyroxene basalt)
2.5 grams size 1.6mm x 16mm x 42mm
Found in Morocco near Algerian border October 1999



LOT NUMBER 69 WITNESSED FALL

Leedey Complete stone 97% crust, Nininger # 489.11 & Monnig # M39.9
Stone (L6) 1,160 grams
Dewey County, Oklahoma, USA Fell November 25, 1943
Note: This actual stone featured on "[Meteorites A to Z](#)" poster



LOT NUMBER 70

Henbury Fabulous regmaglypted individual
Iron (IIIAB)
3,670 grams
Northern Territory, Australia Found 1931



LOT NUMBER 71

Murray USNM 1769 #5
Stone: Carbonaceous (CM2)
37.2 grams
Calloway County, Kentucky Witnessed fall, September 20, 1950



LOT NUMBER 72

Allan Hills 76009 Antarctic meteorite!
Stone (L6)
35.0 grams
Antarctica Found 1976



LOT NUMBER 73 WITNESSED FALL

Barwell British Christmas Eve fall, with NHM # 32885 & crust!
Stone (L6)
99.0 grams
Leicestershire, England Fell December 24, 1965



LOT NUMBER 74 WITNESSED FALL

Kapoeta Very thin excellent slice
Stone: Achondrite, Howardite
11.4 grams
Equatoria, Sudan Fell April 22, 1942

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