

## Catalogue of Meteorites of the Hungarian Natural History Museum

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### Introduction

The meteorite collection of the Hungarian Natural History Museum (former Hungarian National Museum) is kept and managed by the Mineralogical-Petrographical Department. The collection was founded by a piece of iron of Lénártó, the gift of József Kápy, in 1815. Since then two catalogues were made of the collection. The first was composed by Andor Semsey - the great Maecenas of the Hungarian geological sciences - published in Hungarian and German language in 1868 (A Magyar Nemzeti Múzeum Meteorit-gyűjteménye - Die Meteoritensammlung des Ungarischen National-Museums, Budapest).

The second meteorite catalogue being the work of László Tokody et Mária Dudich née Vendl published in Hungarian and English in 1951 (Magyarország meteoritgyűjteményei - Meteorite Collections in Hungary). This book itemized besides the collection of the Museum - then containing 1295 pieces of 484 localities (falls and finds) - the stock of the meteorite collections of the Eötvös Lóránd University of Budapest, the Technical University of Budapest, the Calvinist College of Debrecen, and the Jósa András Museum of Nyiregyháza.

The compilation of the present catalogue was made possible or hastened by several circumstances. First of all we should mention the sad decrease in the number of the collection. As it is known

the collections of the Hung. Nat. Hist. Museum were demaged very heavily during a fire in 1956 and now we exactly know, that more than half of the specimens of the meteorite-collection was destroyed.

Besides casting an inner account, we should like to inform the experts working outside the Museum about the condition of our collection, with this paper.

The edition of the catalogue was made possible by the support of the leaders of the Museum, when they have started the Fragmenta Mineralogica et Paleontologica as a new periodical publication.

After the fire the cleaning, unrusting (by electrolysis bath), conservation, determination, and inventorizing of the rescued specimens were carried out by director László Tokody and Mária Rapszky née Hanák chemist, from 1959 to 1962.

Compiling present catalogue, we newly weighed, measured all the specimens, determined their shape besides the collecting the encyclopedical data. Finally we listed the data concerning to the condition and methods of preparation of the pieces. In this work Vera Jedlovszky née Marián was a great help to me and I want to express her my thanks for her kind assistance.

The revisional and cataloguing work had simultaneously pointed out the direction of the following tasks in the collection. We separated the specimens having disputable data (locality, classification etc.) namely demanding detailed investigations. A solution must be found for the cleaning of the pieces prepared with unsuitable material or method, their correct conservation, corrosion-protection. We intend to write and publish the catalogue of meteorite collections kept - outside the Museum - by certain Institutes in Hungary.

Therefore we ask everybody having ideas both criticizing and helping to support us by letting us know about their remarks, opinions, and advices.

We should like to add the following complement for the use of the alphabetic part of the catalogue.

About each of the pieces we give:

(Present inventory number)

(Old inventory number. The condition of the specimen)

Morphological characteristics

The longest diametres

Weight

If the old inventory number is missing, the piece came into the collection after 1956, or it was not inventorized earlier.

If the condition-datum of the specimen is missing, the piece is in a good condition.

Symbols, used for the marking of the condition:

+ = oiled or varnished

++ = oiled, but small dots of rust are newly appearing

+++ = smoke, tar spots or coat in consequence of the fire

x = not conserved, rusting

xx = not conserved, with a thicker rust-crust

++x = burned and rusting

February, 1969. Budapest

# A Természettudományi Múzeum meteorit gyűjteményének katalógusa

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## Bevezető

A Természettudományi Muzeum (korábban Magyar Nemzeti Muzeum) meteorit gyűjteményét az Ásvány-Kőzettár őrzi és kezeli. A gyűjteményt egy lénártói meteorvas, Kápy József ajándéka alapozta meg, 1815-ben. Az azóta eltelt időben két katalógus készült a gyűjteményről. Az elsőt Semsey Andor - a magyar földtani tudományok nagy mecénása - állította össze. Ez 1868-ban került kiadásra magyar és német nyelven. (A Magyar Nemzeti Muzeum Meteoritygüjteménye - Die Meteoritensammlung des Ungarischen National-Museums, Budapest.)

A második meteorit katalógus Tokody László és Dudichné Vendl Mária munkája, melynek magyar és angolnyelvű kiadása 1951-ben látott napvilágot: Magyarország meteoritygüjteményei (Meteorite Collections in Hungary) címmel. E könyv a muzeumi gyűjteményen kívül - mely akkor 484 lelőhelyről 1295 darabot tartalmazott - tételesen felsorolta az Eötvös Lóránd Tudományegyetem, a Budapesti Műszaki Egyetem, a Debreceni Református Kollégium Főgimnáziuma és a nyiregyházi Jósa András Muzeum meteorit gyűjteményeinek szakanyagát is.

Jelen katalógusunk összeállítását több körülmeny siettette, ill. tette lehetővé. Elsőként a gyűjtemény darabszámban bekövetkezett szomorú csökkenést emlitenénk. Mint ismeretes a TTM Muzeum meteortgyűjteménye 1956-ban, tüzvész alkalmával súlyosan megsérült, s

ma már pontosan tudjuk, hogy darabjainak több mint fele őrökre megsemmisült.

A belső számvetés mellett katalógusunkkal szeretnénk tájékoztatni a muzeumunkon kívül dolgozó szakembereket is, gyűjteményünk állapotáról.

A katalógus kiadását a TTMuzeum vezetőinek megértő támogatása tette lehetővé, mikor a Fragmenta Mineralogica et Paleontologica c. kiadványt, mint a jövőben rendszeresen megjelenő folyóiratot megindította.

A tüzvész után a megmentett darabok tisztítását, elektrolitikus rozsdátlanítását, konzerválását, határozását, majd leltározását Tokody László osztályvezető és Rapszkyné Hanák Mária vegyész végezték el, az 1959-62 közötti években.

Jelen katalógusunk összeállításakor a lexikális adatok összegyűjtésén kívül újra mértük az egyes darabok súlyát, meghatároztuk azok hosszméreteit, alaktani jellegzetességeit. Továbbá rendszeresen felvettük az egyes darabok megtartási állapotára, preparáltsági módjára vonatkozó adatokat. E munkában nagy segítséget nyújtott Jedlovszkyné Marián Vera vegyész kollegánk, akinek ezutal is szeretném köszönetemet kifejezni.

A muzeumi revideáló, katalógizáló munka egyuttal kijelölte a további tennivalókat is. Munkánk során ui. kiemeltük azokat a darabokat, melyek adatainak hitelességéhez (lelőhely, rendszertani besorolás) kétség füződhet, azaz az azonosítás további részletes anyagvizsgálatot igényel. Meg kell oldani a nem megfelelő anyaggal, vagy eljárással tartósított darabok tisztítását, helyes konzerválását, korrozióvédelmét. Szándékunkban áll végül a Magyarországon, muzeumunkon kívüli intézményekben őrzött meteorit gyűjtemények katalógusának összeállítása és kiadása is.

Kérjük ezért mindenkit, akikben e katalógus használata közben bíráló, segítő gondolatok ébrednek: támogassanak bennünket avval, hogy megjegyzéseiket, tanácsaikat velünk közölni sziveskedjenek.

A katalógus betürendes részének használatához az alábbi kiegészítést szeretnénk fűzni:

Minden egyes darabnál szerepel

(a jelenlegi leltári szám)

(a régi leltári szám, megtartási állapot)

Alaktani leírás

Legnagyobb átmérők

Suly

Azoknál a daraboknál, melyek 1956 utáni új szerzemények, vagy az azt megelőző időben nem voltak beleltározva; a régi leltári szám rovata üresen maradt.

A kifogástalan megtartási állapotban lévő daraboknál nem alkalmaztunk jelzést, azaz a megfelelő rovatot üresen hagytuk.

A vegyszeresen konzervált, vagy anyagában részben károsodott darabok állapotának jelzésére az alábbi jelekkel használtuk:

+ = olajozott vagy lakkozott

++ = olajozott, de apró foltokon újra rozsdásodó

+++ = füst- és kátrány foltok vagy bevonat

x = nem konzervált, rozsdásodó

xx = nem konzervált, vastagabb rozsda-réteggel

++x = erős égési nyomok és rozsdásodás

Budapest, 1969. február.

ALPHABETICAL LIST OF METEORITES  
in the collection of the Hungarian Natural History Museum

ADARGAS       $26^{\circ}6'N.$ ,  $105^{\circ}14'W.$

Jimenez, Chihuahua, Mexico.

Synonyms: Concepcion, Hacienda Concepcion, Hueju-quilla, Jimenez, Las Adargas, Rio Florida, San Bartolomé, Sierra de las Adargas, Valle de Al-lende, Valle de San Bartolomé.

Known for centuries.

IRON. Medium octahedrite.

Specimen:

(M.62.55.) (b.103++) Triangular-shaped full slice,  
one side polished and etched

120x83x3 mm    135,0 g

ADMIRE       $38,7^{\circ}N.$ ,  $96,1^{\circ}W.$

Lyon County, Kansas, U.S.A.

Found 1881.

STONY-IRON. Brecciated pallasite.

Specimen:

(M.59.138.) (b.174++) Flat fragment, one side po-  
lished    62x30x12 mm

88,2 g

AGEN       $44^{\circ}13'N.$ ,  $0^{\circ}37'E.$

Lot-et-Garonne, France.

Synonyms: Galapian (partly), Monclar-d'Agenais.

Fell 1814, September 5, 12<sup>h</sup>

STONE. Intermediary olivine-bronzite chondrite.

Specimen:

(M.59.135.)(b.56x) Irregular fragments 22x14x13 mm  
15x 9x 8 mm  
13x 8x 6 mm  
total weight    17,5 g

AHUMADA       $30,7^{\circ}N.$ ,  $105,5^{\circ}W.$

Chihuahua, Mexico.

Found 1909.

STONY-IRON. Pallasite.

Specimen:

(M.59.36.) (b.150.++) Irregular-shaped slice, two sides polished 113x99x18 mm

660,0 g

AINSWORTH 42°6'N., 99°8'W.

Brown County, Nebraska, U.S.A.

Found 1907.

IRON. Coarsest octahedrite.

Specimen:

(M.59.400.) (b.136.++) Irregular fragment with oxidized crust, one side polished

70x45x22 mm

347,5 g

ALAIS 44°7'N., 4°5'E.

Gard, France.

Synonym: Valence.

Fell 1806, March 15, 17<sup>h</sup>

STONE. Carbonaceous chondrite.

Specimen:

(M.59.313.) (a.348.) Tiny fragments in vial

0,8 g

ALEPPO 36°14'N., 37°8'E.

Syria.

Synonyms: Haleb, Tirnova.

Fell about 1873 (?)

STONE. Polymict brecciated white olivine-hypersilene chondrite.

Specimens:

(M.59.273.) (a.837.+++) Irregular fragment, half part with broken crust

95x65x37 mm

446,0 g

(M.59.116.) (a.840.++) Angular fragment, half part with crust 32x27x11 mm

15,7 g

ALFIANELLO Approx. 45°30'N., 10°30'E.

Brescia, Italy.

Synonyms: Brescia, Cremona, Verolanuovo.

Fell 1883, February 16, 15<sup>h</sup>

STONE. Intermediate olivine-hypersthene chondrite.

Specimens:

(M.59.414.) (a.168.+++) Irregular fragment, two sides with regmaglyptic crust	150x125x110 mm	4 120,0 g
(M.62.15.) (a.188.+++) Oval fragment, one side polished	160x90x25 mm	835,2 g
(M.67.12.) Angular fragment	34x25x15 mm	24,0 g
(M.63.13.) Angular fragment	30x25x10 mm	18,0 g
(M.59.108.) (ad a.167.) Tiny, flat fragment	12x18x1 mm	0,5 g

AMBAPUR NAGLA      27°40'N., 78°15'E.

Aligarh district, United Provinces, India.

Synonyms: Nagla, Wagla.

Fell 1895, May 27, 1<sup>h</sup>

STONE. Chrystalline spherical olivine-bronzite chondrite.

Specimen:

(M.59.89.) (a.883.++) Angular fragment

45x35x18 mm	45,2 g
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APT      43°52'N., 5°23'E.

Vaucluse, France.

Synonyms: Saurette, Vaucluse.

Fell 1803, October 8, 10<sup>h</sup>30'

STONE. Veined grey olivine-hypersthene chondrite.

Specimens:

(M.59.77.) (a.931.++) Irregular fragment

25x12x10 mm	6,0 g
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(M.59.78.) (a.234.++) Irregular fragment

18x15x8 mm	4,0 g
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ARISPE      30°20'N., 109°59'W.

Sonora, Mexico.

Synonyms: Arizpe, Moctezuma, Noon.

Found 1896.

IRON. Coarsest octahedrite.

Specimen:

(M.59.385.) (a.990.++) Triangular slice, four sides  
polished, one side with oxidized crust

97x47x19 mm

506,8 g

ASCO  $42^{\circ}27'N.$ ,  $9^{\circ}2'E.$

Corsica.

Fell 1805, November.

STONE. Veined white olivine-hypersthene chondrite.

Specimens:

(M.59.91.) (b.37.+) Irregular slice, one side po-  
lished  $22 \times 17 \times 4$  mm

4,6 g

(M.59.312)(a.90.x) Tiny fragment

0,25 g

AUBRES  $44^{\circ}23'N.$ ,  $5^{\circ}10'E.$

Nyons, Drome, France.

Synonym: Nyons.

Fell 1836, September 14, 15<sup>h</sup>

STONE. Aubrite (enstatite achondrite).

Specimen:

(M.59.48.)(a.932.x) Irregular piece, two sides cut  
 $42 \times 24 \times 12$  mm

24,0 g

AUSSON  $43^{\circ}5'N.$ ,  $0^{\circ}35'E.$

Haute Garonne, France.

Synonyms: Ausson Clarac, Montrejeau.

Fell 1858, December 9, 7<sup>h</sup>30'

STONE. Spherical olivine-hypersthene chondrite.

Specimens:

(M.59.304.) (a.383.x) Irregular fragment  
 $70 \times 40 \times 40$  mm

168,2 g

(M.59.261.) (a.385.) Irregular fragment

$26 \times 15 \times 14$  mm

7,5 g

BABB'S MILL  $36^{\circ}18'N.$ ,  $38^{\circ}0'W.$

Greene County, Tennessee, U.S.A.

Synonyms: Blake's Iron, Greene County, Troost's Iron.

Found 1842.

IRON. Nickel-rich ataxite.

Specimen:

(M.59.143.) (a.680.+) Triangular slice, one side  
polished    42x32x4 mm    33,0 g

BALI mission station      5°23'N., 16°23'E.

Cameroon, West Africa.

Fell 1907, November 22 or 23, 10-11<sup>h</sup>

STONE. Black olivine-pigeonite chondrite.

Specimen:

(M.59.168.) (b.153.) Irregular fragment  
    24x15x5 mm    4,1 g

BALLINOO      27°42'S., 115°46'E.

Murchison River, Western Australia.

Synonyms: Ballinee, Ballinos, Mt. Erin.

Found 1892.

IRON. Finest octahedrite.

Specimen:

(M.59.404.) (a.903.+) Rectangular slice, four sides  
polished    97x70x7 mm    326,3 g

BARRATTA      35°18'S., 144°34'E.

Deniliquin, County Townsend, New South Wales.

Synonyms: Baratta, Deniliquin.

Found 1845.

STONE. Black olivine-hypersthene chondrite.

Specimens:

(M.60.26.) (b.5.+) Irregular-shaped full slice, one  
side polished    150x97x15 mm    548,1 g

(M.63.24.) Irregular fragment, with one polished  
side, with some crust  
    24x14x6 mm    4,4 g

(M.67.16.) Irregular fragment, one side polished  
    7x4x4 mm    0,2 g

BATH  $45^{\circ}28'N.$ ,  $98^{\circ}21'W.$

Brown County, South Dakota, U.S.A.

Synonyms: Aberdeen.

Fell 1892, August 29, 16<sup>h</sup>

STONE. Brecciated spherical olivine-bronzite chondrite.

Specimen:

(M.60.19.) (a.831++) Rhombus-shaped fragment two sides polished, one side with crust

52x45x32 mm

247,5 g

BELAIA TSERKOV'  $49^{\circ}47'N.$ ,  $30^{\circ}10'E.$

Kiev, Ukraine, U.S.S.R.

Synonyms: Belaja Zerkov, Beleja Zerkow, Bialacerkiew, Kiev.

Fell 1796, January 15.

STONE. Spherical olivine-bronzite chondrite.

Specimen:

(M.59.286.) (a.898++) Polygonal fragment, one side with crust, one side polished

42x35x28 mm

87,0 g

BELLA ROCA  $24,9^{\circ}N.$ ,  $105,4^{\circ}W.$

Sierra de San Francisco, Santiago Papasquiaro, Durango, Mexico.

Synonyms: La Bella Roca, La Bella Rocka, Papasquiaro.

Known 1888.

IRON. Fine octahedrite.

Specimens:

(M.59.182.) (a.769+) Thin slice, two sides polished and etched with oxidized crust

75x60x4 mm

150,3 g

(M.59.343.) (b.119.) Thin rectangular slice one side with oxidized crust

36x30x6 mm

56,4 g

BENARES  $25^{\circ}22'N.$ ,  $82^{\circ}55'E.$

United Provinces, India.

Synonym: Krakut.

Fell 1798, December 19, 20<sup>h</sup>

STONE. Spherical olivine-hypersthene chondrite (amphoterite).

Specimens:

(M.59.334.) (a.363.) Irregular fragment, one side  
with crust                          46x38x22 mm

110,9 g

(M.59.327.) (a.362.) Irregular fragment

7x7x5 mm

1,3 g

BENDEGO  $10^{\circ}7\frac{1}{2}'S.$ ,  $39^{\circ}12'W.$

Monte Santo, Bahia, Brazil.

Synonyms: Bahia, Bemdego, Bendengô, Bendigo.

Found 1784.

IRON. Coarse octahedrite.

Specimens:

(M.59.27.) (a.612++) Rectangular slice, two sides  
polished and etched, two sides cut

88x55x8 mm

332,5 g

(M.59.179.) (a.609++) Rectangular slice, five sides  
polished                          60x25x5 mm

62,1 g

(M.59.203.) (a.607++) Irregular fragment, one side  
cut                          38x15x9 mm

11,5 g

BEUSTE  $43^{\circ}13'N.$ ,  $0^{\circ}14'W.$

Pau, Basses-Pyrénées, France.

Synonyms: Bueste, Pau.

Fell 1859, May, afternoon.

STONE. Brecciated grey olivine-hypersthene chondrite.

Specimens:

(M.59.125.) (b.151++) Triangular slice, three sides  
polished, with crust

50x28x10 mm

40,3 g

(M.59.209.) (b.44++) Irregular full slice, two  
sides polished                          55x50x4 mm

39,0 g

(M.59.51.) (a.797++) Irregular fragment, two sides  
polished, with crust

27x16x12 mm

8,0 g

BILLINGS  $37^{\circ}4'N.$ ,  $93^{\circ}33'W.$

Christian County, Missouri, U.S.A.

Synonym: Christian County.

Found 1903.

IRON. Coarse octahedrite.

Specimen:

(M.59.383.) (b.32++) Sphere sector-shaped fragment,  
one side polished and etched other sides  
with oxidized crust 72x55x22 mm

305,6 g

BISHOPVILLE  $34^{\circ}10'N.$ ,  $80^{\circ}17'W.$

Lee County, South Carolina, U.S.A.

Synonym: Sumter County.

Fell 1843, March 25.

STONE. Aubrite (enstatite achondrite).

Specimen:

(M.59.81.) (b.219.) Tiny fragment

4,5 g

BITBURG  $49^{\circ}58'N.$ ,  $6^{\circ}32'E.$

Trier, Rheinish Prussia, Germany.

Synonyms: Albacher Mühle, Eifel, Trier.

Known before 1805.

STONY-IRON. Pallasite.

Specimens:

(M.59.323.) (a.494++) Irregular-shaped fragment  
with oxidized crust

80x70x34 mm

612,5 g

(M.59.337.) (a.496++) Trapezium-shaped fragment,  
one side polished 45x26x25 mm

137,0 g

BJURBÖLE  $60^{\circ}24'N.$ ,  $25^{\circ}48'E.$

Borga, Nyland, Finnland.

Fell 1899, March 12, 22<sup>h</sup>30'

STONE. Spherical olivine-hypersthene chondrite.

Specimens:

(M.59.331.) (b.211.x) Irregular fragments	36x12x17 mm	18,3 g
		6,8 g
(M.68.3.) Irregular fragments	13x12x7 mm	2,4 g
(M.67.2.) Irregular fragments	10x7x5 mm	1,1 g

BLUFF       $29^{\circ}54'N.$ ,  $96^{\circ}48'W.$

Fayette County, Texas, U.S.A.

Synonyms: Fayette County, La Grange.

Found about 1878.

STONE. Brecciated crystalline olivine-hypersthene chondrite.

Specimens:

(M.63.27.) Irregular fragment	17x14x5 mm	2,7 g
(M.67.3.) Tiny fragment	5x4x1 mm	0,1 g

BOHUMILICE       $49^{\circ}6'N.$ ,  $13^{\circ}49'E.$

NNE. of Vimperk, W. Czechoslovakia.

Synonyms: Bohumilitz, Prachin, Vyskovice.

Found 1829.

IRON. Coarse octahedrite.

Specimen:

(M.59.231.) (a.611.++) Full slice, two sides polished, with oxidized crust	80x80x18 mm	634,5 g
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BORKUT       $48^{\circ}9'N.$ ,  $24^{\circ}17'E.$

Zakarpat'e Oblast, Ukraine, U.S.S.R.

Synonyms: Borcut, Marmoros.

Fell 1852, October 13, 15<sup>h</sup>

STONE: Spherical olivine-hypersthene chondrite.

Specimens:

(M.60.22.) (a.375.+++) Irregular fragment, one side with some crust	72x35x20 mm	105,0 g
(M.59.59.) (a.376.+++) Irregular fragment, with crust	55x52x30 mm	95,6 g
(M.59.129.) (a.378.xx) Tiny fragments		1,7 g

BRENHAM TOWNSHIP       $37^{\circ}6'N.$ ,  $99^{\circ}2'W.$

Kiowa County, Kansas, U.S.A.

Synonyms: Haviland, Haviland Township, Kiowa County.

Found 1882.

STONY-IRON. Pallasite, passing in some specimens  
into an iron.

Specimens:

(M.60.4.)(a.802.xx)	Six fragments of a flat slice	1	390	g
(M.59.396.)(a.826++)	Fragment with crust, one side polished		890	g
(M.59.339.)(a.854++)	Flat, full slice, two sides polished		135,8	g
(M.59.214.)(b.204++)	Fragments of a slice with polished sides		76,9	g
	55x50x5 mm			
	35x35x3 mm			
	32x20x4 mm			
(M.63.20.) (x)	Irregular, flat fragment, one side polished		4,2	g
(M.67.19.)(xx)	Fragments in vial			
	12x6x5 mm			
	10x6x5 mm		2,8	g
(M.67.18.)(x)	Irregular fragment, one side polished			
	12x5x3 mm		1,2	g
(M.67.17.) (x)	Three tiny fragments		0,5	g

BRIDGEWATER       $35^{\circ}43'N.$ ,  $81^{\circ}52'W.$

Burke County, North Carolina, U.S.A.

Synonyms: Burke County, Fairweather.

Found 1890.

IRON. Fine octahedrite.

Specimen:

(M.59.369.)(a.832++)	Full thin slice, one side polished and etched	220x88x3 mm	537,5	g
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BROUMOV       $50^{\circ}36'N.$ ,  $16^{\circ}20'E.$

NNE. of Náchod, W.Czechoslovakia.

Synonyms: Branau, Hauptmannsdorf.

Fell 1847, July 14, 3<sup>h</sup>45'

IRON. Hexahedrite.

Specimen:

(M.59.269.) (a.665.++) Flat slice, two sides with oxidized crust, one side polished, three surfaces cut      58x35x5 mm      69,8 g

BUSTEE      26°47'N., 82°50'E.

Basti district, United Provinces, India.

Synonyms: Basti, Gorockpur.

Fell 1852, December 2, 10<sup>h</sup>

STONE. Polymict brecciated aubrite (enstatite achondrite).

Specimen:

(M.59.82.) (a.766.) Angular fragment

14x7x5 mm      1,6 g

BUTLER      38°18'N., 94°22'W.

Bates County, Missouri, U.S.A.

Synonym: Bates County.

Found before 1874.

IRON. Finest octahedrite.

Specimens:

(M.59.1.) (a.501.+) Rectangular thin slice, three sides polished      75x65x6 mm      192,0 g

(M.59.293.) (a.499.+) Thin slice with etched sides, one with oxidized crust      75x49x6 mm      169,0 g

(M.60.54.) (a.502.) Flat rectangular slice, two sides polished and etched, one side with oxidized crust      73x55x2 mm      98,7 g

(M.59.130.) (a.500.+) Rectangular slice, two sides polished      23x20x18 mm      35,4 g

BUTSURA      27°5'N., 84°5'E.

Champaran district, Bihar, India.

Synonyms: Batsura, Bulloah, Chireya, Gorokhur, Piprassi, Quatahar, Bazar.

Fell 1861, May 12, about 12<sup>h</sup>

STONE. Intermediate olivine-bronzite chondrite.

Specimen:

(M.59.84.) (b.43.++) Wedge-shaped slice, two sides  
polished 43x18x6 mm

8,7 g

CABEZO de MAYO 37°59'N., 1°10'W.

Murcia, Spain.

Synonyms: Cabezzo de Mayo, Murcia.

Fell 1870, August 18, 6<sup>h</sup>15'

STONE. White olivine-hypersthene chondrite.

Specimen:

(M.59.202.) (a.324.++) Angular fragment, one side  
polished with crust 45x25x20 mm

47,9 g

CAMBRIA 43,2°N., 78,8°W.

Niagara County, New York, U.S.A.

Synonym: Lockport.

Found 1818.

IRON. Fine octahedrite.

Specimen:

(M.59.247.) (a.534.+) Trapezium-shaped flat slice,  
one side polished and etched one side  
with oxidized crust 34x29x6 mm

36,5 g

CAMPO del CIELO 27°28'S., 60°35'W.

Gran Chaco Gualamba, Argentina.

Synonyms: Chaco Gualamba, Charata, El Abipon, El Mataco, El Mocovi, El Rosario, El Taco, El Toba, El Tonocoté, Gancedo, Gran Chaco, Los Guanacos, Mesón de Fierro, Otumpa, Nihuá, Pinaltá, Pozo del Cielo, Runa Picoto, San Jago del Estero, Santiago del Estero, Tucuman, Wöhler's Iron.

Found 1576.

IRON. Nickel-poor ataxite.

Specimen:

(M.59.403.) (a.916.+) Elongated full slice

180x70x5mm

461,2 g

CANELLAS       $41^{\circ}15'N.$ ,  $1^{\circ}40'E.$

Barcelona, Spain.

Synonyms: Barcelona, Canyelles, Vilanova de Sitges,  
Villa Nueva.

Fell 1861, May 14,  $13^h30'$

STONE. Polymict brecciated intermediate olivine-  
bronzite chondrite.

Specimen:

(M.59.136.) (a.164.x) Fragment with crust

15x11x10 mm

3,5 g

CANGAS de ONIS       $43^{\circ}23'N.$ ,  $5^{\circ}9'W.$

Asturias, Spain.

Synonyms: Elgueras, Oviedo.

Fell 1866, December 6,  $11^h$

STONE. Polymict brecciated grey olivine-bronzite  
chondrite.

Specimens:

(M.59.298.) (a.747.++) Two irregular fragments

55x51x23 mm

96,7 g

40x25x9 mm

16,8 g

(M.59.194.) (b.120.++) Fragment with crust, two  
sides cut                    30x17x12 mm

18,4 g

CANON DIABLO       $35^{\circ}3'N.$ ,  $111^{\circ}2'W.$

Coconino County, Arizona, U.S.A.

Synonyms: Arizona, Barringer, Canyon Diablo, Cut  
Off, Edden, Mount Edden, Schertz, Winsloe.

Found 1891.

IRON. Coarse octahedrite.

Specimens:

(M.68.20.) Irregular complete mass, with oxidized  
crust and typical regmaglyptic relief

530x400x350 mm

287 000 g

(M.59.377.) (a.857.+) Irregular full slice, two sides  
polished and etched            310x280x28 mm

10 896,0 g

(M.59.61.) (a.861.++) Irregular, thick full slice  
260x180x65 mm

6 748,0 g

(M.59.30.)	(b.187.+)	Rhombus-shaped full slice, two sides polished	147x65x11 mm	632,0 g
(M.62.56.)	(a.818.++)	Oval-shaped full slice, one side polished	180x145x50 mm	576,5 g
(M.68.23.)	(b.191.+)	Irregular-shaped piece, one side polished, other parts with oxidized crust	62x58x34 mm	288,0 g
(M.59.256.)	(b.200.++/	Irregular-shaped complete piece	68x28x15 mm	137,3 g
(M.63.3.)	Irregular-shaped piece with oxidized crust, two sides polished		38x26x15 mm	47,2 g
(M.63.4.)	Full slice, two sides polished		40x37x5 mm	20,0 g
(M.63.21.)	(x) Irregular fragment		42x12x4 mm	16,1 g
(M.67.7.)	(x) Tiny fragments			0,1 g
(M.63.1.)	Metallic spheroids			1,1 g
(M.63.2.)	Metallic spheroids embedded in plastic material (Total weight 24,4 g)			
(M.68.24.)	(ad a.689.) Iron shale		52x35x32 mm	74,0 g
(M.63.5.)	Impactite		2,8 g	
(M.63.6.)	Impactite		1,7 g	
(M.63.7.)	Impactite		1,6 g	
(M.63.8.)	Impactite		1,0 g	
(M.63.9.)	Impactite bomblets		1,83g	

CAPE GIRARDEAU  $37^{\circ}16'N.$ ,  $89^{\circ}35'W.$

Cape Girardeau County, Missouri, U.S.A.

Fell 1846, August 14, 15<sup>h</sup>

STONE. Spherical olivine-bronzite chondrite.

Specimen:

(M.59.163.) (a.959.) Irregular fragment

15x15x12 mm

4,9 g

CAPE of GOOD HOPE Approx.  $33^{\circ}30'S.$ ,  $26^{\circ}E.$

Cape Province, South Africa.

Synonyms: Capeisen, Cape Iron, Capland, Great Fish River, Jóreménység-fok, Kapeisen.

Found 1793.

IRON. Nickel-rich ataxite.

Specimens:

(M.68.22.)	Flat lense-shaped piece, one side polished and etched, other sides with oxidized crust	400x390x95 mm	66 050,0 g
(M.59.243.)	(a.679.+)	Triangular, thick slice, three sides polished, with oxidized crust 76x60x38 mm	727,5 g
(M.59.147.)	(b.226/1931.+)	Triangular slice, three sides polished 80x60x6 mm	170,8 g

CARLTON  $31^{\circ}55'N.$ ,  $98^{\circ}2'W.$

Hamilton County, Texas, U.S.A.

Synonyms: Carlton-Hamilton, Hamilton County.

Found 1887.

IRON. Fine octahedrite.

Specimens:

(M.59.21.)	(a.804.)	Irregular slice, one side polished and etched 210x115x3 mm	503,0 g
(M.62.30.)	(a.780.+)	Rhombus-shaped, three sides polished, with oxidized crust 30x25x22 mm	165,5 g
(M.59.374.)	(a.789.+)	Rectangular slice, two sides with oxidized crust, other sides polished 81x38x6 mm	130,0 g

CARTHAGE  $36^{\circ}16'N.$ ,  $85^{\circ}59'W.$

Smith County, Tennessee, U.S.A.

Synonyms: Caryfort, Coney Fork, Smith County.

Found 1840.

IRON. Medium octahedrite.

Specimens:

(M.59.100.)	(a.586.+)	Thick trapezium-shaped slice, four sides polished and etched with oxidized crust 220x88x48 mm	3 710,0 g
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(M.59.295.) (a.587.+)	Rectangular-shaped part of a thick slice, four sides polished and etched, two sides with oxidized crust	100x95x41 mm	2 150,0 g
(M.60.25.) (a.590.++)	Rectangular slice, five sides polished and etched, one with oxidized crust	70x45x9 mm	227,0 g
(M.59.200.) (a.588.+)	Rectangular slice, all sides polished and etched	55x45x12 mm	145,0 g

CERESETO       $45^{\circ}7'N.$ ,  $8^{\circ}28'E.$

Casale, Piedmont, Italy.

Synonyms: Casale, Casale Montferrato, Mailand, Milan, Offiglia, Ottiglio, Pastrona, Piedmont.  
Fell 1840, July 17,  $7^{h}30'$

STONE. Brecciated spherical olivine-bronzite chondrite.

Specimens:

(M.59.73.) (a.316.++) Irregular fragment, one side polished, another with crust

47x37x34 mm

93,9 g

(M.59.265.) (a.317.++) Irregular fragment, larger part with crust

63x34x20 mm

88,5 g

CHANDAKAPUR       $20^{\circ}16'N.$ ,  $76^{\circ}1'E.$

Berar, Central Provinces, India.

Synonyms: Berar, Burguon, Denulguon.  
Fell 1836, June 6,  $12^{h}$

STONE. Polymict brecciated intermediate olivine-hypersthene chondrite.

Specimens:

(M.59.111.) (a.315.) Irregular fragment, with crust

25x25x9 mm

6,5 g

(M.59.141.) (a.314.) Tiny fragments

1,0 g

CHARCAS       $23^{\circ}5'N.$ ,  $101^{\circ}1'W.$

San Luis Potosi, Mexico.

Synonym: San Luis Potosi.

Known 1804.

IRON. Medium octahedrite.

Specimen:

(M.59.3.) (b.78.+) Rectangular slice, three sides  
polished and etched 86x50x8 mm 366,0 g

CHARSONVILLE 47°56'N., 1°34'E.

Meung, Loiret, France.

Synonyms: Beaugency, Bois de Fontaine, Chartres,  
La Touanne, Meung sur Loire, Orleans, Touanne.

Fell 1810, November 23, 13<sup>h</sup>30'

STONE. Veined grey olivine-bronzite chondrite.

Specimens:

(M.60.14.) (a.185.+) Triangular fragment  
28x28x13 mm 14,0 g

(M.60.13.) (a.186.x) Angular fragment  
25x20x12 mm 12,8 g

CHARWALLAS 29°29'N., 75°30'E.

Hissar district, Punjab, India.

Synonym: Chaharwala.

Fell 1834, June 12, 8<sup>h</sup>

STONE. Intermediate olivine-bronzite chondrite.

Specimens:

(M.59.106.) (a.152.++) Triangular fragment  
22x16x9 mm 6,5 g

(M.59.153.) (a.153.++) Irregular fragment, one side  
polished 25x11x8 mm 3,0 g

CHATEAU-RENARD 47°56'N., 2°55'E.

Montargis, Loiret, France.

Synonym: Triguères.

Fell 1841, June 12, 13<sup>h</sup>30'

STONE. Veined intermediate olivine-hypersthene chon-  
drite.

Specimens:

(M.62.14.) (a.179.++) Polygonal-shaped fragment,  
half part with crust 82x75x45 mm 609,5 g

(M.59.324.) (a.181.) Angular fragment

15x12x11 mm

4,4 g

CHESTERVILLE  $34^{\circ}47'N.$ ,  $81^{\circ}12'W.$

Chester County, South Carolina, U.S.A.

Synonym: Chester County.

Found before 1849.

IRON. Nickel-poor ataxite.

Specimen:

(M.59.267.) (a.682.++) Flat full slice, two sides  
polished, other sides with oxidized  
crust  $72 \times 46 \times 4$  mm

64,4 g

CHINAUTLA  $14^{\circ}30'N.$ ,  $90^{\circ}30'W.$

Guetamala, Central America.

Synonym: Guetamala.

Found 1902.

IRON. Medium octahedrite.

Specimen:

(M.59.174.) (b.169.+) Rhombus-shaped full slice,  
one side polished and etched

$120 \times 62 \times 5$  mm

204,7 g

CHUPADEROS  $27^{\circ}N.$ ,  $105^{\circ}6'W.$

Jimenez, Chihuahua, Mexico.

Synonyms: Huejuquilla, Jimenez.

Known for centuries, first mentioned 1852.

IRON. Fine octahedrite.

Specimen:

(M.59.223.) (b.6.++) Irregular full slice, one side  
polished and etched, one side cut, other  
sides with oxidized crust

$85 \times 37 \times 5$  mm

87,3 g

CHULAFINNEE  $33^{\circ}30'N.$ ,  $85^{\circ}40'W.$

Cleburne County, Alabama, U.S.A.

Synonym: Cleburne County.

Found 1873.

IRON. Medium octahedrite.

Specimens:

(M.59.35.) (a.600++) Irregular thick slice, three sides polished, with oxidized crust	63x58x32 mm	647,8 g
(M.59.410.) (a.597+) Thin slice, one side polished and etched with oxidized crust	83x75x6 mm	240,0 g
(M.59.244.) (a.598+) Flat rectangular slice, one side polished and etched, one side with oxidized crust	58x29x7 mm	71,0 g
(M.59.29.) (a.601+) Irregular thin slice, one side polished and etched with oxidized crust	70x47x3 mm	66,5 g

CHUVASHSKIE KISSY       $54^{\circ}52'N.$ ,  $50^{\circ}53'E.$

Chistopol, Kazan, U.S.S.R.

Synonyms: Tchivashsky Kissy, Tschuwaschky, Tschuwaschskije Kissy.

Found 1899.

STONE. Black olivine-bronzite chondrite.

Specimen:

(M.59.322.) (b.17+) Rectangular fragment, one side polished, two sides with crust	72x33x13 mm	77,3 g
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COAHUILA       $28^{\circ}42'N.$ ,  $102^{\circ}44'W.$

Mexico.

Synonyms: Bolson de Mapimi, Bonanza Iron, Butcher Iron, Cerralvo, Couch Iron, Fort Duncan, Fort Dunkan, Hacienda de Potosi, Lupton's Iron, Maverick County, Nuevo Leon, Potosi, Saltillo, Sancha (Sanchez) Estate, Santa Rosa, Smithsonian Iron.

Known 1837.

IRON. Hexahedrite.

Specimens:

(M.59.412.) (a.659+) Prism-shaped fragment, three
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	sides polished, two sides with oxidized crust	132x93x92 mm	6 070,0 g
(M.60.1.) (a.656.+)	Irregular full slice	400x245x7 mm	2 500,0 g
(M.59.42.)	Rectangular piece, three sides polished with oxidized crust	155x65x45 mm	2 080,0 g
(M.59.32.) (a.657.++)	Rectangular slice, one side polished	170x120x13 mm	1 715,0 g
(M.59.349.) (a.658.++)	Thick wedge-shaped slice, three sides polished, one side with oxidized crust	91x90x54 mm	1 630,0 g
(M.59.348.) (b.186.++)	Nearly rectangular slice, one side polished, two sides with oxidized crust	120x87x21 mm	1 240,0 g
(M.59.39.) (a.654.++)	Hemisphere-shaped slice, two sides polished	195x120x8 mm	1 150,0 g
(M.59.274.) (a.660.++)	Thick slice with cut sides	50x35x23 mm	301,4 g
(M.59.241.) (a.655.++)	Rectangular slice, one side polished and etched, one side with oxidized crust	82x47x9 mm	268,0 g
(M.68.5.) (x)	Cuttings in vial		2,2 g
(M.67.26.)	Cuttings		0,8 g

COLD BOKKEVELD       $32^{\circ}50'S.$ ,  $19^{\circ}20'E.$

Cape Province, South Africa.

Synonyms: Bokkeveld, Coue Bokkeveld.

Fell 1838, October 13, 9<sup>h</sup>

STONE. Carbonaceous chondrite.

Specimens:

(M.59.101.) (a.817.)	Angular fragments with some crust	36x30x17 mm	26,3 g
		28x28x19 mm	19,8 g
		17x15x13 mm	19,6 g
		25x12x12 mm	7,3 g
		13x12x10 mm	2,9 g
		13x11x10 mm	2,4 g
		12x4x4 mm	0,7 g

(M.59.320.)	(a.349.)	Angular fragment		
		20x14x11 mm		3,8 g
(M.59.68.)	(a.714.)	Angular fragment		
		17x14x9 mm		2,9 g

COLLESCIPOLI       $42^{\circ}36'N.$ ,  $12^{\circ}36'E.$

Terni, Umbria, Italy.

Synonyms: Antifona, Collantifona, Colle Antifona,  
Spoleto, Terni.

Fell 1890, February 3, 13<sup>h</sup>30'

STONE. Spherical olivine-bronzite chondrite.

Specimen:

(M.60.28.)	(a.779.+)	Fragment, oriented half part with crust	85x80x60 mm	1 015,5 g
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COOPERTOWN       $36^{\circ}26'N.$ ,  $87^{\circ}W.$

Robertson County, Tennessee, U.S.A.

Synonym: Robertson County.

Known 1860.

IRON. Medium octahedrite.

Specimen:

(M.59.222.)	(b.123.++)	Angular slice, five sides polished, one side polished and etched	42x40x2 mm	42,2 g
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COWRA       $33^{\circ}51'S.$ ,  $148^{\circ}41'E.$

County Bathurst, New South Wales, Australia.

Synonyms: Bathurst, Carcoar.

Found 1888.

IRON. Finest octahedrite.

Specimen:

(M.59.370.)	(b.147.+)	Irregular thin slice, with oxidized crust, one side polished, three sides cut	95x62x3 mm	99,0 g
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CRAB ORCHARD       $35^{\circ}50'N.$ ,  $84^{\circ}55'W.$

Mountains, Rockwood, Cumberland County, Tennessee, U.S.A.

Synonyms: Cumberland County, Powder Mill Creek,  
Rockwood.

Found 1887.

STONY-IRON. Mesosiderite.

Specimens:

(M.59.172.)(a.863.+) Full slice, two sides polished  
100x75x7 mm

224,3 g

(M.59.217.)(a.856.++) Full slice, two sides polished  
95x65x4 mm

84,5 g

CRANBOURNE  $38^{\circ}6' S.$ ,  $145^{\circ}18' E.$

near Melbourne, Victoria, Australia.

Synonyms: Abel, Beaconsfield, Bruce, Dandenong,  
Langwarin, Melbourne, Pakenham, Victoria, Western  
Port district, Yarra Yarra River.

Found 1854.

IRON. Coarse octahedrite.

Specimens:

(M.59.354.)(a.621.+) Irregular full slice, one side  
polished and etched 500x170x7 mm

2 730,0 g

(M.59.399.)(a.915.++) Irregular slice

135x75x8 mm

625,0 g

(M.63.18.) Irregular fragment 20x11x3 mm

3,5 g

(M.67.1.) Fragments 10x7x3 mm

1,4 g

CULLISON  $37^{\circ}37' N.$ ,  $98^{\circ}55' W.$

Pratt County, Kansas, U.S.A.

Found 1911.

STONE. Polymict brecciated spherical olivine-bron-  
zite chondrite.

Specimen:

(M.59.368.)(b.152.++) Nearly triangular slice, one  
side polished, with some crust, with a  
fissure 100x75x12 mm

267,4 g

DALGARANGA  $27^{\circ}43' S.$ ,  $117^{\circ}15' E.$

Western Australia.

Found 1923.

STONY-IRON. Mesosiderite.

Specimens:

(M.63.10.)	(x)	Tiny fragment, one side polished	18x11x7 mm	3,1 g
(M.63.11.)	(x)	Tiny fragments	15x7x3 mm	1,7 g

DANDAPUR  $26^{\circ}55'N.$ ,  $83^{\circ}58'E.$

Gorakhpur district, United Provinces, India.

Synonym: Goruckpur.

Fell 1878, September 5, 17<sup>h</sup>

STONE. Veined intermediate olivine-hypersthene chondrite.

Specimen:

(M.59.258.)	(a.188.++)	Prism-shaped, four sides polished, two sides with crust	20x17x14 mm	14,7 g
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DANIEL'S KUIL  $28^{\circ}12'S.$ ,  $24^{\circ}34'E.$

Griqualand West, South Africa.

Synonym: Griqualand.

Fell 1868, March 20.

STONE. Crystalline enstatite chondrite.

Specimen:

(M.59.56.)	(a.429.++)	Irregular fragment with some crust	20x11x10 mm	6,1 g
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DANVILLE  $34^{\circ}24'N.$ ,  $87^{\circ}4'W.$

Morgan County, Alabama, U.S.A.

Fell 1868, November 27, 17<sup>h</sup>

STONE. Polymict brecciated veined grey olivine-hypersthene chondrite.

Specimen:

(M.67.27.)	(a.965.x)	Fragment with some crust	22x13x5 mm	3,1 g
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DARMSTADT  $49^{\circ}52'N.$ ,  $8^{\circ}39'E.$

Hesse, Germany.

Fell before 1804.

STONE. Veined grey olivine-bronzite chondrite.

Specimen:

(M.59.98.) (a.235.++) Wedge-shaped fragment, two sides cut 22x17x12 mm

8,8 g

DESCUBRIDORA Approx.  $23^{\circ}40'N.$ ,  $100^{\circ}51'W.$

Catorce, San Luis Potosi, Mexico.

Synonyms: Agau Blanca, Catorce, Poblazon, San Luis Potosi, Venagas.

Found between 1780 and 1783.

IRON. Medium octahedrite.

Specimen:

(M.59.198.) (b.94.+) Rectangular slice, one side polished and etched, three sides with oxidized crust 57x35x5 mm

88,2 g

DHURMSALA  $32^{\circ}14'N.$ ,  $76^{\circ}28'E.$

Kangra district, Punjab, India.

Synonym: Dharmasala.

Fell 1860, July 14, 14<sup>h</sup>15'

STONE. Intermediate olivine-hypersthene chondrite.

Specimens:

(M.62.16.)(a.163.+++) Polygonal fragment, with some crust 97x50x47 mm

516,5 g

(M.60.9.)(a.162.+) Irregular fragment, with some crust 90x67x45 mm

407,0 g

(M.62.42.)(a.160.+++) Fragment of a corner, three sides cut, with crust

50x43x34 mm

149,5 g

DRAKE CREEK  $36^{\circ}24'N.$ ,  $86^{\circ}30'W.$

Nashville, Sumner County, Tennessee, U.S.A.

Synonyms: Davidson County, Nashville, Summer County.

Fell 1827, May 9, 16<sup>h</sup>

STONE. Polymict brecciated veined white olivine-hypersthene chondrite.

Specimen:

(M.59.311.)(a.64.) Tiny fragment

0,4 g

DURUMA      Approx.  $4^{\circ}$ S.,  $39^{\circ}30' E.$

Mombasa, Wanikaland, Kenya.

Synonym: Turuma.

Fell 1853, March 6.

STONE. Veined intermediate olivine-hypersthene chondrite.

Specimen:

(M.59.220.) (a.211.x) Irregular fragment with some crust

$53 \times 36 \times 23$  mm

61,3 g

EAGLE STATION       $38^{\circ}37' N.$ ,  $84^{\circ}58' W.$

Carroll County, Kentucky, U.S.A.

Synonym: Caroll County.

Found 1880.

STONY-IRON. Pallasite.

Specimens:

(M.59.145.) (a.760.+ ) Irregular fragment, one side polished

$130 \times 105 \times 8$  mm

382,0 g

(M.60.37.) (a.772.) Nearly square-shaped thin slice, three sides polished, two sides with crust

$67 \times 64 \times 9$  mm

139,0 g

ENSISHEIM       $47^{\circ}52' N.$ ,  $7^{\circ}21' E.$

Alsace, France.

Synonym: Elsass.

Fell 1492, November 16,  $11^h 30'$

STONE. Polymict brecciated crystalline olivine-hypersthene chondrite (amphoterite).

Specimen:

(M.62.23.) (a.439.) Irregular fragment, half part with crust

$31 \times 20 \times 10$  mm

17,5 g

ESTHERVILLE       $43^{\circ}25' N.$ ,  $94^{\circ}50' W.$

Emmet County, Iowa, U.S.A.

Synonyms: Emmet County, Iowa, Perry meteor.

Fell 1879, May 10,  $17^h$

STONY-IRON. Mesosiderite.

Specimens:

(M.59.299.) (b.ll.++)	Elongated slice, two sides polished, one side with oxidized crust		
		280x120x18 mm	2 040,0 g
(M.59.378.) (b.ll.++)	Elongated full slice, two sides polished with cracks, three little fragments	340x88x20 mm	1 920,0 g
(M.59.240.) (a.459.++)	Irregular fragment, with polished side and with some oxidized crust	140x95x32 mm	713,4 g
(M.68. 9.) (a.853.++)	Thick slice, two sides polished, small oxidized crust, cracked	70x52x21 mm	259,0 g
(M.59.330.) (a.460.++)	Irregular fragment	75x32x22 mm	134,0 g
(M.59.364.) (b.ll3.++)	Triangular-shaped slice, three sides polished, one cut, one with oxidized crust	55x48x17x mm	119,5 g
(M.59.284.) (a.461.++)	Irregular fragment, one part with crust	45x30x27 mm	62,4 g

FINMARKEN  $70^{\circ}$ N.,  $24^{\circ}$ E.

Arctic Norway.

Synonyms: Alta, Alten, Finnmarken.

Found 1902.

STONY-IRON. Pallasite.

Specimen:

(M.59.365.) (b.18.++) Nearly oval-shaped full slice, two sides polished, with oxidized crust

255x125x10 mm 1 420,0 g

FOREST CITY  $43^{\circ}15'N.$ ,  $93^{\circ}40'W.$

Winnebago County, Iowa, U.S.A.

Synonyms: Forest, Kossuth County, Iowa, Leland, Winnebago County.

Fell 1890, May 2, 17<sup>h</sup>15'

STONE. Brecciated spherical olivine-bronzite chondrite.

Specimens:

(M.62.36.)	(a.909.++) Angular fragment, one side polished	58x42x35 mm	297,0 g
(M.59.411.)	(a.785.) Complete individual, one angle broken	38x34x20 mm	75,2 g
(M.59.49.)	(a.872.) Irregular-shaped complete spec- imen	24x14x12 mm	8,9 g

FRANCEVILLE  $38^{\circ}49'N.$ ,  $104^{\circ}37'E.$

El Paso County, Colorado, U.S.A.

Found 1890.

IRON. Medium octahedrite.

Specimen:

(M.59.2.)	(b.19.+) Nearly rectangular slice, two sides polished and etched, with oxidized crust	98x51x10 mm	355,5 g
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FRANKFORT  $34^{\circ}29'N.$ ,  $87^{\circ}50'W.$

Franklin County, Alabama, U.S.A.

Synonym: Franklin County.

Fell 1868, December 5, 15<sup>h</sup>

STONE. Howardite (pyroxene-plagioclase achondrite).

Specimen:

(M.68.4.)	(a.26.) Irregular fragment with some crust	12x9x8 mm	2,8 g
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FUTTECHPUR  $25^{\circ}57'N.$ ,  $80^{\circ}49'E.$

Allahabad district, United Provinces, India.

Synonyms: Allahabad, Bithur, Doab, Fatehpur, Shah-pur.

Fell 1822, November 30, 18<sup>h</sup>

STONE. Veined white olivine-hypersthene chondrite.

Specimens:

(M.59.39.)	(a.98.++) Irregular fragment	25x22x13 mm	12,5 g
(M.59.87.)	(a.99.++) Irregular fragment, three sides polished, with some crust	26x20x17 mm	10,3 g

GAMBAT  $27^{\circ}21'N.$ ,  $68^{\circ}32'E.$

Khairpur State, Pakistan.

Found 1897, September 15.

STONE. Veined intermediate olivine-hypersthene chondrite.

Specimen:

(M.59.132.) (b.36.++) Irregular fragment, one side polished, with some crust

44x33x30 mm

90,0 g

GIBEON  $25^{\circ}30'S.$ ,  $18^{\circ}E.$

Great Namaqualand, South-West Africa.

Synonyms: Amalia Farm, Bethany, Cabaya, Damaraland, Goamus Farm, Great Fish River, Great Namaqualand, Kameelhaar, Kamkas, Lion River, Mukerop, Namaqualand, Springbok River, Wild.

Known before 1836.

IRON. Fine octahedrite.

Specimens:

(M.68.21.) (b.241.) Complete irregular mass with typical regmaglyptic relief and oxidized crust

480x410x230 mm

132 170,0 g

(M.59.392.) (b.140.+) Hemicycle-shaped full slice, one side polished and etched with oxidized crust

495x305x10 mm

9 400,0 g

(M.59.391.) (a.962.+) Irregular-shaped full slice, one side polished, with oxidized crust

430x320x10 mm

6 300,0 g

(M.63.22.)(+) Rectangular slice, all sides cut, one side polished

47x42x9 mm

154,2 g

GILGOIN  $30^{\circ}23'S.$ ,  $147^{\circ}17'E.$

Station, Brewarrina, County Clyde, New South Wales, Australia.

Found 1889.

STONE. Crystalline olivine-bronzite chondrite.

Specimen:

(M.59.161.) (b.149.++) Irregular specimen, one side

cut, larger parts with crust  
75x75x50 mm 577,0 g

GRAND RAPIDS  $42^{\circ}58'N.$ ,  $85^{\circ}46'W.$

Kent County, Michigan, U.S.A.

Synonym: Walker Township.

Found 1883.

IRON. Fine octahedrite.

Specimen:

(M.59.173.) (a.813.+ ) Thin slice, two sides polished  
and etched, some oxidized crust

110x85x2 mm 159,0 g

GROSSLIEBENTHAL  $46^{\circ}21'N.$ ,  $30^{\circ}35'E.$

Odessa Oblast, Ukraine, U.S.S.R.

Synonyms: Cherson, Kherson, Odessa.

Fell 1881, November 19, 6<sup>h</sup>30'

STONE. Veined white olivine-hypersthene chondrite.

Specimens:

(M.59.74.) (a.109.++) Wedge-shaped fragment with  
crust 30x27x20 mm 18,8 g

(M.59.80.) (a.110.x) Fragment with some crust  
25x14x12 mm 6,0 g

(M.59.109.) (a.108.) Tiny fragment 0,5 g

GÜTERSLOH  $51^{\circ}55'N.$ ,  $8^{\circ}23'E.$

Westphalia, Germany.

Fell 1851, April 17, 20<sup>h</sup>

STONE. Brecciated spherical olivine-bronzite chon-  
drite.

Specimen:

(M.59.310.) (a.936.) Tiny fragments 0,3 g

HAINHOLZ  $52^{\circ}17'N.$ ,  $8^{\circ}55'E.$

Minden, Westphalia, Germany.

Synonym: Paderborn.

Found 1856.

STONY-IRON. Mesosiderite.

Specimens:

(M.59.292.)	(a.444.++)	Irregular fragment, one side polished	51x38x29 mm	130,0 g
(M.59.139.)	(a.443.++)	Angular fragment, one side polished	58x49x28 mm	119,5 g
(M.59.340.)	(a.445.++)	Irregular fragment, one side with crust, one side polished	55x27x25 mm	54,6 g

HENBURY       $24^{\circ}34' S.$ ,  $130^{\circ}10' E.$

Central Australia.

Found 1931.

IRON. Medium octahedrite.

Specimens:

(M.62.4.)	(b.231.x)	Irregular individual with oxi- dized crust	155x135x120 mm	6 950,0 g
(M.59.347.)	(b.234.++)	Irregular individual with oxidized crust	75x48x18 mm	204,3 g
(M.59.355.)	(b.232.++)	Irregular individual with oxidized strongly irregular surface	85x40x15 mm	193,3 g

HESSLE       $59^{\circ}51' N.$ ,  $17^{\circ}40' E.$

Uppsala, Sweden.

Synonyms: Hässle, Stockholm.

Fell 1869, January 1,  $12^{h}30'$

STONE. Spherical olivine-bronzite chondrite.

Specimen:

(M.59.409.)	(a.925.+)	Irregular complete specimen	70x45x42 mm	320,0 g
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HEX RIVER MOUNTAINS       $33^{\circ}19' S.$ ,  $19^{\circ}37' E.$

Cape Province, South Africa.

Synonym: Hex River.

Found 1882.

IRON. Hexahedrite.

Specimen:

(M.60.11.)	(a.811.++)	Irregular-shaped piece with		
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oxidized crust, cracked a little  
135x85x60 mm 2 580,0 g

HIGASHI-KÖEN 33°36'N., 136°26'E.

Fukuoka, Kyushu, Japan.

Synonym: Hakata.

Fell 1897, August 11.

STONE. Grey olivine-bronzite chondrite.

Specimen:

(M.59.230.) (b.35.++) Angular fragment with some  
crust 30x20x15 mm 15,2 g

HIGH POSSIL 55°54'N., 4°14'W.

Glasgow, Lanarkshire, Scotland.

Synonym: Glasgow.

Fell 1804, April 5, morning.

STONE. White olivine-hypersthene chondrite.

Specimen:

(M.68.13.) (b.55.) Irregular fragment with some  
crust, one side polished 46x25x10 mm 15,1 g

HOLBROOK 34°54'N., 110°11'W.

Navajo County, Arizona, U.S.A.

Synonym: Aztec.

Fell 1912, July 19, 19<sup>h</sup>15'

STONE. Crystalline spherical olivine-hypersthene  
chondrite.

Specimens:

(M.60.38.) (b.159.++) Triangular, oriented, com-  
plete specimen with crust, a few small  
cracks on the surface 115x105x85 mm 1 800,0 g

(M.62.19.) (b.160.+) Triangular, oriented individ-  
ual, some corners broken and without  
crust 65x50x43 mm 269,0 g

(M.59.358.) (b.162.++) Complete specimen with crust  
but one edge 53x30x20 mm 53,6 g

(M.59.248.) (b.165.) Polygonal individual with  
crust, except some small spots  
32x22x21 mm 26,8 g

HOMESTEAD  $41^{\circ}48'N.$ ,  $91^{\circ}52'W.$

Iowa County, Iowa, U.S.A.

Synonyms: Amana, Iowa County, Marengo, Sherlock,  
West Liberty.

Fell 1875, February 12, 22<sup>h</sup>15'

STONE. Polymict brecciated grey olivine-hypersthene  
chondrite.

Specimens:

(M.68.10.) (a.328.) Elongated polygonal specimen,  
the crust at some spots cracked off

135x110x60 mm 2 480,0 g

(M.60.49.) (a.330.+.) Polygonal complete specimen  
with crust missing at some spots

105x62x60 mm 722,7 g

(M.62.45.) (a.329++) Irregular fragment, one side  
with crust 75x55x37 mm

229,2 g

(M.62.51.) (a.334.++) Fragment one side polished,  
with crust on most part of it

36x28x17 mm 35,7 g

(M.60.21.) (a.333.+.) Flat, triangular-shaped cut  
sheet 87x57x3 mm

33,3 g

HONOLULU  $21^{\circ}18'N.$ ,  $157^{\circ}52'W.$

Oahu, Hawaiian Islands, U.S.A.

Synonyms: Hawaii, Sandwich Islands.

Fell 1825, September 27, 10<sup>h</sup>30'

STONE. Veined white olivine-hypersthene chondrite.

Specimen:

(M.62.41.) (b.126.x) Polygonal complete specimen  
with crust 26x26x24 mm

35,6 g

HUNGEN  $50^{\circ}18'N.$ ,  $8^{\circ}55'E.$

Hesse, Germany.

Fell 1877, May 17, 7<sup>h</sup>

STONE. Veined grey olivine-bronzite chondrite.

Specimens:

(M.59.254.)	(a.303++) Fragment, one side polished, with crust	25x17x15 mm	10,2 g
(M.60.52.)	(a.304.x) Irregular fragment, + two tiny ones	16x10x6 mm	1,7 g

JAMYSHEVA  $51^{\circ}10'N.$ ,  $77^{\circ}20'E.$ .

Semipalatinsk, Siberia, U.S.S.R.

Synonyms: Jamyscheva, Pavlodar, Semipalatinsk, Yamyshev, Yamyschewa.

Found 1885.

STONY-IRON. Pallasite.

Specimens:

(M.59.344.)	(a.767++) Hemisphere-shaped, branchy, one side polished	120x61x22 mm	172,3 g
(M.63.19.) (x)	Irregular fragment, with branchy sur- face, one side polished	22x15x6 mm	3,8 g
(M.67.15.)	Twelwe irregular fragments		0,9 g

ILIMAES Approx.  $26^{\circ}S.$ ,  $70^{\circ}30'W.$ .

Taltal, Atacama, Chile.

Synonyms: Atacama desert, Ilimae.

Found about 1874-75.

STONY-IRON. Pallasite.

Specimen:

(M.59.34.)	(b.96++) Oval-shaped half slice, one side polished, with oxidized crust	160x140x6 mm	615,0 g
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IMILAC  $24^{\circ}14'S.$ ,  $68^{\circ}50'W.$ .

Desert of Atacama, Chile.

Synonyms: Atacama, Campo del Picará, Caracoles, Catamarca, La Encantada, La Rioja, Potosí, San Pedro.

Known in 1882.

STONY-IRON. Pallasite.

Specimens:

(M.62.12.) (a.486.++) Irregular-shaped piece	155x90x80 mm	2 320,0 g
(M.59.303.) (a.490.++) Irregular-shaped piece with oxidized crust	130x90x45 mm	840,0 g
(M.59.296.) (b.227.++) Irregular-shaped thick slice, two sides polished, two sides with oxidized crust	100x48x29 mm	244, 5 g
(M.59.353.) (a.491.++) Quadrangular prism with polished sides but one with crust	70x30x22 mm	184,5 g
(M.62.27.) (b.225.+) Irregular-shaped slice, two sides polished	60x55x8 mm	73,8 g

INDARKH       $39^{\circ}45'N.$ ,  $46^{\circ}40'E.$

Shusha District, Azerbaidzhan, U.S.S.R.

Synonyms: Elizabethpol, Elizavetpol, Gindarkh, Gindorche, Indarch, Schuscha, Shusa, Shusha.

Fell 1891, April 7,  $22^{\text{h}}10'$

STONE. Enstatite chondrite.

Specimen:

(M.60.23.) (a.827.++) Angular fragment, one side with crust, one side polished	172x46x33 mm	288,1 g
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INDIAN VALLEY TOWNSHIP       $36^{\circ}56'N.$ ,  $80^{\circ}30'W.$

Floyd County, Virginia, U.S.A.

Synonyms: Floyd County, Floyd Mountain, Radford Furnace.

Found 1887.

IRON. Brecciated nickel-poor ataxite to hexahedrite.

Specimen:

(M.60.20.) (b.28.++) Nearly triangular-shaped slice, one side polished, two sides with oxidized crust	84x60x20 mm	179,0 g
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INDIO RICO       $38^{\circ}20'S.$ ,  $60^{\circ}53'W.$

Buenos Aires province, Argentina.

Found 1887.

STONE. Crystalline olivine-bronzite chondrite.

Specimens:

(M.59.133.) (b.203.++) Angular, cut specimen	32x22x10 mm	22,7 g
(M.68.7.) (b.107.x) Thin slice, three sides polished, two sides with crust	43x36x7 mm	35,0 g

JELICA  $43^{\circ}53'N.$ ,  $20^{\circ}26'30''E.$

Serbia, Yugoslavia.

Synonyms: Cacak, Chacak, Jeliza.

Fell 1889, December 1, 14<sup>h</sup>30'

STONE. Monomict brecciated olivine-hypersthene chondrite (amphoterite).

Specimens:

(M.62.9.) (b.176.++) Oriented, polygonal complete piece, some corners are missing	160x150x115 mm	4 510,0 g
(M.59.280.) (a.819.) Oriented, polygonal complete piece, the edges broken	80x65x60 mm	692,0 g
(M.62.35.) (b.114.+) Flat, oval-shaped complete piece	85x45x22 mm	253,7 g

JOE WRIGHT MOUNTAIN  $35^{\circ}46'N.$ ,  $91^{\circ}30'W.$

Independence County, Arkansas, U.S.A.

Synonyms: Atacama Desert, Cobija.

Found 1858.

IRON. Medium octahedrite.

Specimen:

(M.59.190.) (b.127.+) Elongated fragment of a slice, one side polished and etched, with oxidized crust	270x115x9 mm	1 460,0 g
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JUNCAL

Desert of Atacama, Chile.

Found 1366.

IRON. Medium octahedrite.

Specimens:

(M.59.397.) (a.806.+)	Very thin slice, two sides polished and etched	155x112x1,5 mm	123,7 g
(M.62.54.) (a.557.++)	Triangular-shaped fragment, one side with a bit of oxidized crust	37x28x20 mm	76,1 g

KAANDE  $58^{\circ}30'N., 23^{\circ}0'E.$

Saarema Island, Estonie, U.S.S.R.

Synonyms: Ezel, Oesel, Moustel-Pank.

Fell 1855, May 11, 15<sup>h</sup>30'

STONE. White olivine-hypersthene chondrite.

Specimen:

(M.59.107.) (ad a.76.)	Tiny fragment	0,2 g
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KENDALL COUNTY  $29^{\circ}24'N., 98^{\circ}30'W.$

Texas, U.S.A.

Synonym: San Antonio.

Known 1887.

IRON. Brecciated hexahedrite.

Specimen:

(M.62.32.) (a.799.++)	Irregular-shaped piece with strongly uneven surface and oxidized crust	102x71x25 mm	573,5 g
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KENTON COUNTY  $38^{\circ}49'N., 84^{\circ}36'W.$

Kentucky, U.S.A.

Synonym: Independence.

Found 1889.

IRON. Medium octahedrite.

Specimens:

(M.59.33.) (a.823.+)	Trapezium-shaped slice, two sides polished and etched, two sides with oxidized crust	180x130x10 mm	1 300,0 g
(M.59.160.) (b.115.+)	Triangular slice, two sides polished and etched, two sides with oxidized crust	70x60x8 mm	185,6 g

KERNOUVÉ  $48^{\circ}7'N.$ ,  $3^{\circ}5'W.$

Morbihan, France.

Synonyms: Cleguerec, Keranouvé, Keranroué, Morbihan, Napoleonsville.

Fell 1869, May 22, 22<sup>h</sup>

STONE. Veined crystalline olivine-bronzite chondrite.

Specimen:

(M.62.48.) (a.433.) Polygonal individual, with few crushes on the surface

35x22x21 mm

35,1 g

KHAIRPUR  $29^{\circ}32'N.$ ,  $72^{\circ}18'E.$

Bahawalpur State, Pakistan.

Synonyms: Bhawalpur (for Bahawalpur), Mailsi, Multan.

Fell 1873, September 23, 5<sup>h</sup>

STONE. Crystalline enstatite chondrite.

Specimens:

(M.59.192.) (a.973.+) Fragment 44x44x27 mm

105,2 g

(M.59.175.) (a.436.) Tiny fragments

0,8 g

KINGSTON  $32^{\circ}54'N.$ ,  $107^{\circ}44'W.$

Sierra County, New Mexico, U.S.A.

Found 1891.

IRON. Medium octahedrite.

Specimens:

(M.62.29.) (b.193.+) Irregular fragment

58x52x24 mm

503,3 g

(M.59.279.)(b.158++) Full slice, two sides polished and etched 185x104x5 mm

448,0 g

KNIAGINIA  $48^{\circ}54'N.$ ,  $22^{\circ}24'E.$

Zakarpat'e Oblast, Ukraine, U.S.S.R.

Synonyms: Csillagfalva, Knyahinya, Nagy-Bereszna.

Fell 1866, June 9, 17<sup>h</sup>

STONE. Polymict brecciated grey olivine-hypersthene chondrite.

	Specimens:		
(M.59.390.) (a.224.+)	Flat, nearly quadrangular piece, one side broken, the other sides with crust	130x115x28 mm	1 310,0 g
(M.59.389.) (a.777.+)	Polygonal complete piece with crust	120x90x67 mm	1 160,0 g
(M.62.21.) (a.220.+++)	Irregular-shaped slice, one side polished, with crust		
		112x87x10 mm	288,5 g
(M.59.406.) (a.225.++)	Nearly complete piece	80x50x36 mm	281,0 g
(M.59.250.) (a.227.+)	Oriented, polygonal complete piece	65x40x27 mm	204,7 g
(M.61.1.) (a.732.)	Complete piece except one corner	45x35x25 mm	65,3 g
(M.59.329.) (a.222.)	Polygonal complete piece	33x26x21 mm	29,9 g
	Sphere-shaped complete piece		
		25x22x20 mm	28,0 g
	Flat complete piece	32x27x14 mm	18,2 g
	Polygonal complete piece		
		22x14x13 mm	8,4 g
(M.63.12.)	Polygonal fragment with some crust	25x20x18 mm	12,7 g
(M.67. 5.)	Polygonal fragment with some crust	18x16x9 mm	3,9 g
(M.67. 4.)	Two small fragments with some crust		0,5 g

KOKSTAD       $30^{\circ}33' S.$ ,  $29^{\circ}25' E.$

Griqualand East, Cape Province, South Africa.

Found 1884.

IRON. Medium octahedrite.

Specimen:

(M.62.31.) (b.184.++)	Elongated slice, four sides polished, with oxidized crust	78x30x18 mm	207,2 g
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KRÄHENBERG  $49^{\circ}13'N.$ ,  $7^{\circ}23'E.$

Zweibrücken, Rheinish Bavaria, Germany.

Synonym: Zweibrücken.

Fell 1869, May 5,  $18^h30'$

STONE. Polymict brecciated intermediate olivine-hypersthene chondrite (amphoterite) (howarditic chondrite of Brezina).

Specimen:

(M.59.134.) (b.101.) Irregular fragment with crust

28x21x11 mm

12,5 g

KYUSHU  $32^{\circ}2'N.$ ,  $130^{\circ}38'E.$

Japan.

Synonyms: Ensigahara, Hanakai (for Hanakita), Hishikari, Hisikari, Hishugari, Maeme, Oguchimura, Ogutimura, Oshima, Oynchimura (for Oguchimara), Satsuma, Shigetome, Sigetome, Simagoe (for Torigoe), Yamanomura, Yenshigahara (for Yenoki-gahara).

Fell 1886, October 26,  $15^h$

STONE. Veined white olivine-hypersthene chondrite.

Specimen:

(M.59.124.) (a.976.++) Angular fragment with crust

42x32x12 mm

21,0 g

LA BECASSE  $47^{\circ}5'N.$ ,  $1^{\circ}45'E.$

Dun le Pöelier, Indre, France.

Synonyms: Becasse, Dun-le-Pöelier.

Fell 1879, January 31,  $0^h30'$

STONE. White olivine-hypersthene chondrite.

Specimen:

(M.59.122.) (a.940.++) Angular, flat fragment, one

side polished 35x18x6 mm

9,3 g

LA GRANGE  $38^{\circ}24'N.$ ,  $85^{\circ}22'W.$

Oldham County, Kentucky, U.S.A.

Synonym: Oldham County.

Found 1860.

IRON. Fine to finest octahedrite.

Specimen:

(M.59.17.) (a.514++) Rectangular slice, two sides polished, two sides cut, two sides with oxidized crust 38x35x4 mm 48,8 g

L'AIGLE 48°46'N., 0°38'E.

Orne, France.

Synonyms: Aigle, Ober-Pfalz, Waldau.

Fell 1803, April 26, 13<sup>h</sup>

STONE. Brecciated intermediate olivine-hypersthene chondrite.

Specimens:

(M.59.300.) (a.190++) Polygonal-shaped, one corner is missing, the other surfaces with crust 132x84x60 mm 1 700,0 g  
(M.59.54.) (a.191.+++) Irregular individual, one side cracked 75x65x50 mm 515,8 g  
(M.59.37.) (a.195.+++) Irregular specimen, one side polished 88x63x14 mm 192,3 g  
(M.62.43.) (a.194++) Flat, polygonal complete specimen 61x45x23 mm 174,3 g  
(M.59.361.) (a.192.+++) Irregular complete specimen 57x35x27 mm 117,0 g  
(M.62.38.) (a.193.+++) Flat, angular fragment, two sides with crust 50x42x21 mm 92,0 g  
(M.59.58.) (a.197++) Irregular individual, one side cracked 40x40x37 mm 76,0 g  
(M.59.360.) (a.200++) Irregular fragment, half part with crust 44x33x23 mm 50,9 g

LAKE LABYRINTH 30°20'S., 134°45'E.

South Australia.

Found 1934, October.

STONE. Olivine-hypersthene chondrite (amphoterite).

Specimen:

(M.59.188.)(b.242++) Irregular fragment with some crust 70x35x23 mm 71,6 g

LANCÉ  $47^{\circ}42'N.$ ,  $1^{\circ}4'E.$

Vendome, Loir-et-Cher, France.

Synonyms: Authon, Orleans.

Fell 1872, July 23, 17<sup>h</sup>20'

STONE. Spherical carbonaceous olivine-pigeonite chondrite.

Specimens:

(M.60.24.) (b.23.++) Thick wedge-shaped fragment, half part with crust, one side polished

63x52x30 mm

262,2 g

(M.59.195.) (a.393.) Flat wedge-shaped fragment, one side polished 23x19x3 mm

4,8 g

LAURENS COUNTY Approx.  $36^{\circ}42'N.$ ,  $82^{\circ}8'W.$

South Carolina, U.S.A.

Synonym: Laurens Court House.

Found 1857.

IRON. Fine octahedrite.

Specimen:

(M.59.381.) (b.47.+) Irregular-shaped full slice, two sides polished and etched, with oxidized crust 51x38x5 mm

81,7 g

LENARTOV  $49^{\circ}18'N.$ ,  $21^{\circ}41'E.$

W. of Bardejov, Slovakia, Czechoslovakia.

Synonyms: Lénártó, Polen, Sáros.

Found 1814.

IRON. Medium octahedrite.

Specimens:

(M.68.19.) Lense-shaped individual, one side polished, one side cut with oxidized crust 460x350x90 mm

73 620,0 g

(M.59.42.) (a.556.+) Thick slice, one side polished with oxidized crust 150x65x50 mm

2 080,0 g

(M.59.236.) (a.557.++) Rectangular slice, four sides polished and etched, two with oxidized crust 65x65x20 mm

606,7 g

(M.59.25.)	(a.559.+)	Rectangular slice, three sides polished	41x36x12 mm	141,5 g
(M.59. 8.)	(a.734.+)	Irregular slice, one side po- lished and etched, two sides with oxi- dized crust	40x36x3 mm	28,5 g
(M.59.165.)	(a.560.+)	Thin slice, two sides polished	55x50x1 mm	20,5 g

LES ORMES       $48^{\circ}21'N.$ ,  $3^{\circ}15'E.$

Yonne, France.

Synonyms: Commune des Ormes, Ormes.

Fell 1857, October 1, 17<sup>h</sup>

STONE. White olivine-hypersthene chondrite.

Specimen:

(M.68.6.)	(a.892.x)	Near triangular-shaped frag- ment, three sides with crust	18x11x9 mm	
				5,0 g

LESVES       $50^{\circ}22'N.$ ,  $4^{\circ}44'E.$

Namur, Belgium.

Fell 1896, April 13, 7<sup>h</sup>30'

STONE. Grey olivine-hypersthene chondrite.

Specimen:

(M.62.47.)	(a.911.++)	Thick wedge-shaped, one side with crust	71x33x24 mm	
				124,3 g

LE TEILLEUL       $48^{\circ}32'N.$ ,  $0^{\circ}52'W.$

Manche, France.

Synonyms: La Vivionnere, Teilleul, Vivionnere.

Fell 1845, July 14, 15<sup>h</sup>

STONE. Howardite (pyroxene-plagioclase achondrite).

Specimen:

(M.68.8.)	(a.824.)	Irregular fragment, with some crust	30x25x10 mm	
				15,0 g

LIKSNA       $56^{\circ}0'N.$ ,  $26^{\circ}26'E.$

Daugavpils County, Latvia, U.S.S.R.

Synonyms: Dünaburg, Dvinsk, Lasdany, Lipno, Lixna.

Fell 1820, July 12, 17<sup>h</sup>30'

STONE. Veined grey olivine-bronzite chondrite.

Specimens:

(M.59.62.) (a.712.x)	Irregular fragment, one side polished	15x12x8 mm	1,9 g
(M.67.11.)	Irregular fragment	13x10x3 mm	1,0 g

LODRAN 29°32'N., 71°48'E.

Multan, West Punjab, Pakistan.

Synonyms: Lodhran, Mooltan, Multan.

Fell 1868, October 1, 14<sup>h</sup>

STONY-IRON. Lodranite.

Specimen:

(M.59.86.) (a.974.xx)	Irregular fragment	16x8x8x mm	3,4 g
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LOKET 50°12'N., 12°44'E.

SW. of Karlovy Vary, W. Czechoslovakia.

Synonyms: Burggraf, Elbogen, Ellbogen.

Fell about 1400, recognized 1811.

IRON. Medium octahedrite.

Specimens:

(M.59.341.) (a.523.++)	Triangular-shaped thick slice, with two polished sides with oxidized crust	66x65x1.7 mm	253,8 g
(M.59.164.) (a.525.+)	Thin slice with two cut sides	65x52x3 mm	69,1 g

LONG ISLAND 39°56'N., 99°36'W.

Phillips County, Kansas, U.S.A.

Synonym: Phillips County.

Found 1891.

STONE. Veined intermediate olivine-hypersthene chondrite.

Specimen:

(M.59.159.) (a.888.++++)	Irregular, three sides cut, one polished, one side with crust	120x67x40 mm	589,0 g
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Specimens:

(M.59.237.) (a.845++)	Flat slice, two sides polished, other sides with oxidized crust	190x180x35 mm	4 850,0 g
(M.59.297.) (a.628++)	Irregular-shaped piece, two sides polished	180x110x45 mm	4 170,0 g
(M.59.302.) (a.722.xx+)	Irregular piece, with oxidized crust, cracked	145x110x50 mm	3 470,0 g
(M.68.1.) (a.627++)	Irregular fragment, with oxidized crust	115x105x75 mm	2 875,0 g
(M.59.23.) (b.76++)	Angular fragment, two sides polished	115x60x33 mm	958,7 g
(M.59.4.) (a.624.x)	Irregular full slice, two sides polished	90x65x14 mm	388,5 g
(M.59.215.) (a.623++)	Complete piece with oxidized crust	95x50x25 mm	369,0 g
(M.59.5.) (a.626++)	Irregular fragment, two sides polished	67x41x33 mm	362,5 g
(M.59.270.) (a.735.+)	Irregular fragment	65x57x15 mm	265,5 g
(M.59.201.) (a.631++)	Irregular fragment, two sides polished	43x30x27 mm	196,5 g
(M.60.8.) (a.625++)	Irregular-shaped full slice, one side polished and etched	95x35x8 mm	153,2 g
(M.59.16.) (a.736++)	Irregular slice, one side polished	75x45x6 mm	134,2 g
(M.59.405.) (a.632.+)	Irregular thin slice, five sides cut	73x43x4 mm	94,0 g
(M.63.15.) (x)	Irregular fragment	25x15x12 mm	17,8 g
(M.63.25.) (x)	Fragment of a slice, two sides polished	18x12x7 mm	8,5 g
(M.67.23.) (x)	Fragment with one polished side	20x8x5 mm	4,8 g
(M.67.24.) (x)	Fragment with one polished side	8x5x5 mm	0,6 g

MAINZ       $50^{\circ}0'N.$ ,  $8^{\circ}16'E.$

Hesse, Germany.

Synonym: Mayence.

Found 1850 or 1852.

STONE. Veined intermediate olivine-hypersthene chondrite.

Specimen:

(M.59.219.) (a.420.xx) Irregular-shaped slice, one side polished       $32x25x19$  mm

24,7 g

MARION       $41^{\circ}54'N.$ ,  $91^{\circ}36'W.$

Linn County, Iowa, U.S.A.

Synonyms: Hartford, Iowa, Linn County.

Fell 1847, February 25,  $14^{\text{h}}45'$

STONE. Veined white olivine-hypersthene chondrite.

Specimens:

(M.60.15.) (a.101.++) Irregular fragment, one side with crust       $30x28x27$  mm

23,8 g

(M.59.316.) (a.103.) Wedge-shaped fragment with some crust       $25x15x14$  mm

9,3 g

MARJALACHTI       $61^{\circ}7'N.$ ,  $28^{\circ}35'E.$

Viipuri, Finnland.

Fell 1902, June 1,  $22^{\text{h}}$

STONY-IRON. Pallasite.

Specimen:

(M.59.309.) (b.12.+x) Irregular-shaped fragment       $70x50x29$  mm

165,9 g

MAUERKIRCHEN       $48^{\circ}11'N.$ ,  $13^{\circ}8'E.$

Upper Austria.

Fell 1768, November 20,  $16^{\text{h}}$

STONE. White olivine-hypersthene chondrite.

Specimens:

(M.59.388.) (a.954.+++) Trapezoid-shaped fragment, four sides cut, partly covered with crust

$87x55x27$  mm

315,0 g

(M.62.24.) (a.54.++) Irregular fragment, one third part with crust 56x45x34 mm 128,8 g

Mc KINNEY  $33^{\circ}11'N.$ ,  $96^{\circ}43'W.$

Collin County, Texas, U.S.A.

Synonyms: Collin County, Mackinney, Rockport.

Found 1870.

STONE. Black olivine-hypersthene chondrite.

Specimens:

(M.63.16.) Angular, flat fragment, one side polished

25x18x6 mm

6,0 g

(M.67. 6.) Small fragment, one side polished

15x9x3 mm

0,5 g

MENOW  $53^{\circ}11'N.$ ,  $13^{\circ}9'E.$

Alt-Sterlitz, Mecklenburg, Germany.

Synonyms: Fürstenberg, Klein-Menow, Meno.

Fell 1862, October 7, 12<sup>h</sup>30'

STONE. Crystalline sperical olivine-bronzite chondrite.

Specimen:

(M.59.71.) (a.717.++) Rectangular, cut piece

27x22x16 mm

37,0 g

MERCEDITAS  $26^{\circ}20'S.$ ,  $70^{\circ}17'W.$

Chanaral, Atacama, Chile.

Synonyms: Chanaral, Chanaralino, El Chanaralino.

Found 1884.

IRON. Medium octahedrite.

Specimen:

(M.59.372.) (a.787.+) Irregular full slice, one side

polished and etched 205x185x10 mm

1 890,0 g

MERN  $55^{\circ}3'N.$ ,  $12^{\circ}4'E.$

Praestø, Denmark.

Fell 1878, August 29, 14<sup>h</sup>30'

STONE. Veined crystalline spherical olivine-hypersthene chondrite.

Specimen:		
(M.59.105.) (b.63.++) Wedge-shaped fragment, with some crust	63x45x25 mm	127,5 g
MIDDLESBROUGH	54°34'N., 1°10'W.	
Yorkshire, England.		
Synonyms: Pennyman's Siding, Yorkshire.		
Fell 1881, March 14, 15 <sup>h</sup> 35'		
STONE. White olivine-hypersthene chondrite.		
Specimen:		
(M.59.307.) (a.942.) Irregular fragment, one side with crust	11x7x6 mm	1,0 g
MIGEI	48°4'N., 30°58'E.	
Odessa Oblast, Ukraine, U.S.S.R.		
Synonyms: Elizabethpol, Elizavetpol', Mighei, Mi-gheja.		
Fell 1889, June 18, 8 <sup>h</sup> 30'		
STONE. Carbonaceous chondrite.		
Specimen:		
(M.68.11.) (a.773.) Thick slice, two sides cut, one partly with crust	70x44x40 mm	165,5 g
MINCY	36°33'N., 93°6'W.	
Taney County, Missouri, U.S.A.		
Synonyms: Crawford County, Forsyth, Miney, Newton County, Taney County.		
Found 1857.		
STONY-IRON. Mesosiderite.		
Specimen:		
(M.59.393.) (a.801.++) Nearly quadrangular-shaped full slice, one sides polished with a larger crack	355x340x8 mm	4 240,0 g
MINNICHOF	Approx. 47°42'N., 16°36'E.	
Burgerland, Austria.		
Synonyms: Malomháza, Minihof.		
Fell 1905, May 27, 10 <sup>h</sup> 45'		

STONE. White chondrite.

Specimen:

(M.59.342.) (a.65.) Rectangular piece, one side cut  
the others with crust

71x52x45 mm

462,6 g

MISSHOE 56°40'N., 23°0'E.

Courland, Latvia, U.S.S.R.

Synonyms: Baldohn, Mittel-Stuhre.

Fell 1890, April 10, 15<sup>h</sup>30'

STONE. Spherical olivine-bronzite chondrite.

Specimen:

(M.60.46.) (a.846.+.) Polygonal individual, with cha-  
racteristic fusion crust

69x54x27 mm

186,5 g

MISTECA 16°48'N., 97°6'W.

Oaxaca, Mexico.

Synonym: Oaxaca.

Known 1804.

IRON. Medium octahedrite.

Specimens:

(M.59.366.) (b.132.++) Irregular full slice, one  
side polished and etched

150x130x7 mm

806,0 g

(M.60.36.) (a.583.++) Irregular, flat fragment, one  
side polished 90x60x13 mm

294,0 g

MOCIU 46°48'N., 24°2'E.

Cluj (= Klausenburg, Kolozsvár), Transylvania,  
Romania.

Synonyms: Báré, Cluj, Ghilatelke, Gyulateke, Gyulatelke,  
Keszü, Klausenburg, Kyołos, Marokháza,  
Mócs, Oláh-Gyéres, Palatka, Vajda-Kamarás, Visa.

Fell 1882, February 3, 16<sup>h</sup>

STONE. Veined white olivine-hypersthene chondrite.

Specimens:

(M.62.8.) (a.111.x) Frustum of pyramid-shaped, nearly

	complete stone with crust but one corner		
	160x160x150 mm	8 465,0 g	
(M.62.5.) (a.116.+)	Pyramid-shaped, oriented complete piece	145x116x100 mm	2 235,0 g
(M.62.49.) (a.118.)	Frustum of pyramid-shaped piece, with crust but one broken side	80x65x53 mm	907,0 g
(M.62.13.) (a.112.+)	Polygonal, oriented complete piece	103x77x65 mm	847,7 g
(M.59.249.) (a.121.+)	Polygonal, oriented complete piece	75x60x50 mm	510,5 g
(M.62.2.) (a.132.++)	Polygonal, complete piece, with a crack	80x65x27 mm	394,0 g
(M.59.276.) (a.120.+)	Nearly complete piece, oriented, with crust, one corner is missing, with a crack	81x57x41 mm	374,0 g
(M.60.17.) (b.240.+)	Polygonal, oriented complete individual	77x56x42 mm	310,5 g
(M.60.6.) (a.134.++)	Angular fragment with crust	60x46x36 mm	254,0 g
(M.59.76.) (a.123.)	Irregular fragment, greater part with crust	75x39x34 mm	192,2 g
(M.62.17.) (a.130.x)	Flat, nearly quadrangular-shaped complete piece	50x47x22 mm	192,0 g
(M.60.43.) (a.115.+)	Elongated-shaped, polygonal complete piece	77x45x24 mm	172,0 g
(M.59.121.) (a.129.x)	Irregular-shaped complete specimen	60x55x33 mm	168,7 g
(M.59.306.) (a.124.+)	Triangular-shaped, oriented nearly complete individual with crust, one corner is missing	62x39x38 mm	158,0 g
(M.60.45.) (a.126.+)	Flat, polygonal nearly complete piece with crust	55x52x25 mm	138,0 g
(M.59.407.) (a.125.+++)x	Irregular fragment, with crust	80x40x30 mm	124,5 g

(M.59.52.) (a.128.+++) Nearly complete individual, one side broken	51x32x30 mm	105,5 g
(M.59.272.) (a.139.+) Polygonal, oriented speci- men, one corner broken	50x45x20 mm	94,8 g
(M.59.359.) (a.141.) Polygonal complete stone	43x30x22 mm	67,9 g
(M.59.43.) (a.138.+) Irregular complete piece	45x41x21 mm	67,0 g
(M.59.208.) (a.144.+) Angular fragment with crust	43x43x15 mm	62,2 g
(M.60.32.) (ad.a.113.+) Polygonal fragment with crust	31x30x27 mm	57,4 g
(M.59.319.) (a.142.+) Tetrahedron-shaped complete specimen	42x30x20 mm	42,7 g
(M.60.34.) (ad.a.113.x) Angular fragment, half part with crust	28x27x27 mm	36,5 g
(M.59.46.) (b.237.) Irregular complete stone	45x24x22 mm	36,0 g
(M.60.35.) (ad.a.113.) Oval-shaped complete piece	35x24x20 mm	32,0 g
(M.59.57.) (a.143.) Triangular-shaped complete in- dividual	32x22x22 mm	25,7 g
(M.67.25.) Irregular complete piece	32x15x15 mm	14,0 g
(M.63.17.) Angular fragment	9x8x8 mm	1,5 g

MODOC  $38^{\circ}30'N.$ ,  $101^{\circ}6'W.$

Scott County, Kansas, U.S.A.

Fell 1905, September 2, 21<sup>h</sup>30'

STONE. Veined white olivine-hypersthene chondrite.

Specimen:

(M.62.25.) (b.143.+++) Irregular fragment, three sides cut, on the other parts with crust	78x70x33 mm	339,0 g
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MONROE  $35^{\circ}15'N.$ ,  $80^{\circ}30'W.$

Cabarrus County, North Carolina, U.S.A.

Synonyms: Cabarras County, Cabarrus County, Charlotte, Flows, Mecklenburg County.

Fell 1849, October 31, 15<sup>h</sup>

STONE. Polymict brecciated veined grey olivine-bronzite chondrite.

**Specimen:**

(M.59.282.) (a.246.) Complete individual except one corner 39x32x22 mm

51,7 g

MOORESFORT 52°27'N., 8°20'W.

### County Tipperary, Ireland.

Synonym: Tipperary.

Fell 1810, August, 12<sup>h</sup>

STONE. Veined grey olivine-bronzite chondrite.

**Specimens:**

(M.59.93.) (a.805++) Wedge-shaped fragment with  
some crust 35x30x16 mm

(N. 59.79.) (a. 238.) Tiny fragment

10x8x4 mm

65

MORDVINTNOVKA       $48^{\circ}32'N.$      $35^{\circ}59'E.$

Pavlovgrad district, Dnepropetrovsk Oblast, Ukraine. U.S.S.R.

Synonyms: Ekaterinoslav. Pavlograd. Pawlograd.

Fell 1826. May 19.

#### STONE, White olivine-hypersthene chondrite.

**Specimens:**

(M.59.131.) (a.61.+) Irregular fragment, two sides cut, one broken, one third part with crust 60x55x45 mm

484,2 g

(M.62.50.) (a.62.++) Frustum of pyramid-shaped fragment, two sides with crust, one polished 65x42x32 mm

199,0 g

MORNANS       $44^{\circ}36'N.$      $5^{\circ}8'W.$

Bourdeaux, Drome, France.

Synonym: Bourdeaux.

Fell 1875, September.

STONE. Veined grey olivine-bronzite chondrite.

Specimens:

(M.59.55.)	(a.956.++)	Angular fragment with some crust	35x27x20 mm	22,0 g
(M.59.72.)	(a.950.++)	Angular fragment with some crust	38x17x12 mm	12,0 g

MORRISTOWN  $36^{\circ}12'N.$ ,  $83^{\circ}23'W.$

Hamblen County, Tennessee, U.S.A.

Synonyms: East Tennessee, Hamlen County, Safford Meteorite.

Found 1887.

STONY-IRON. Mesosiderite.

Specimen:

(M.59.294.)	(a.878.++)	Irregular fragment, one side polished, the other sides with oxidized crust, a larger crack	160x105x35 mm	1 900,0 g
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MOTI-KA-NAGLA  $27^{\circ}50'N.$ ,  $77^{\circ}20'E.$

Goorha, Biana district, Bharadpur, Rajasthan, India.

Synonyms: Bhurdpur, Ghoordha, Motecka-Nugla, Moteka-Nugla.

Fell 1868, December 22, 17<sup>h</sup>

STONE. Crystalline olivine-bronzite chondrite.

Specimens:

(M.60.16.)	(a.961.++)	Flat, rectangular fragment with some crust	45x33x15 mm	62,8 g
(M.59.196.)	(a.430.)	Rectangular slice	22x21x4 mm	10,3 g

MOUNT BROWNE  $29^{\circ}48'S.$ ,  $141^{\circ}47'E.$

County Evelyn, New South Wales, Australia.

Fell 1902, July 17, 9<sup>h</sup>30'

STONE. Spherical olivine-bronzite chondrite.

Specimen:

(M.60.51.)	(b.15.++)	Trapezium-shaped, flat frag-		
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	ment, with some crust	80x50x18 mm	147,3 g
MOUNT DYRRING	$32^{\circ}20' S.$ , $151^{\circ}12' E.$		
	Singleton district, County Durham, New South Wales, Australia.		
Found 1903.			
STONY-IRON. Pallasite.			
Specimen:			
(M.59.128.) (b.199.++) Irregular-shaped slice, two sides polished	115x62x18 mm		222,0 g
MOUNT EDITH	$22^{\circ}30' S.$ , $116^{\circ}10' E.$		
	Ashburton district, Western Australia.		
Synonym: Duck Creek.			
Found 1913.			
IRON. Medium octahedrite.			
Specimen:			
(M.59.387.) (b.194.+) Quarter sphere-shaped fragment, three sides polished, the other surfaces with oxidized crust	130x70x65 mm		2 740,0 g
MOUNT JOY	$39^{\circ}47' N.$ , $77^{\circ}13' W.$		
	Adams County, Pennsylvania, U.S.A.		
Synonyms: Adams County, Gettysburg.			
Found 1887.			
IRON. Granular hexahedrite.			
Specimens:			
(M.59.375.) (b.183.++) Triangular-shaped slice, one side polished, one side with oxidized crust	155x150x10 mm		880,0 g
(M.59.83.) (a.920.++) Rectangular slice, four sides polished	115x83x8 mm		669,0 g
MOUNT STIRLING	$31^{\circ}58' S.$ , $117^{\circ}55' E.$		
	York, South-West Division, Western Australia.		
Known 1892.			

IRON. Coarse octahedrite.

Specimen:

(M.59.266.) (b.20.+) Flat slice, two sides polished  
and etched, one side with oxidized crust

73x53x5 mm

216,0 g

MOUNT VERNON  $36^{\circ}56'N.$ ,  $87^{\circ}27'W.$

Christian County, Kentucky, U.S.A.

Known about 1868.

STONY-IRON. Pallasite.

Specimens:

(M.59.332.) (b.142.xx) Two larger and a lot of  
smaller fragments in very bad condition

95x70x12 mm

42x30x12 mm

458,0 g

(M.59.157.) (b.10.xx) Irregular-shaped fragment

70x40x12 mm

61,0 g

MOUNIONALUSTA  $67^{\circ}48'N.$ ,  $23^{\circ}6'E.$

Kiruna, Norrbotten, North Sweden.

Found 1906.

IRON. Fine octahedrite.

Specimen:

(M.59.346.) (b.145.+) Hemicircular slice, three  
sides polished and etched, three sides  
with oxidized crust 98x57x5 mm

127,8 g

NAMMIANTHAL  $12^{\circ}17'N.$ ,  $79^{\circ}12'E.$

North Arcot district, Madras, India.

Synonym: South Arcot.

Fell 1886, January 27.

STONE. Veined spherical olivine-bronzite chondrite.

Specimen:

(M.59.60.) (a.770.++) Flat, rectangular slice

53x35x11 mm

58,7 g

NANJEMOY  $38^{\circ}25'N.$ ,  $77^{\circ}10'W.$

Charles County, Maryland, U.S.A.

Synonyms: Annapolis, Charles County, Maryland, Port Tobacco.

Fell 1825, February 10, 12<sup>h</sup>

STONE. Spherical olivine-bronzite chondrite.

Specimen:

(M.68.12.) (a.207.x) Irregular fragment, two sides with crust                    58x47x20 mm

90,5 g

NECHAEVO        54°14'N., 35°9'E.

Kaluga Oblast, U.S.S.R.

Synonyms: Netshaevo, Netschjevo, Tula.

Found 1846.

IRON. Brecciated octahedrite, with silicate inclusions.

Specimen:

(M.59.63.) (a.604.++) Angular, small slice

19x18x5 mm

5,0 g

NELSON COUNTY        37°45'N., 85°30'W.

Kentucky, U.S.A.

Found 1856.

IRON. Coarsest octahedrite.

Specimen:

(M.62.37.) (b.131.+ ) Irregular-shaped fragment, two sides polished, other sides with oxidized crust                    55x32x21 mm

124,5 g

NESS COUNTY        38°30'N., 99°36'W.

Kansas, U.S.A.

Synonyms: Kansada, Ness City, Welmanville.

Found 1894.

STONE. Crystalline olivine-hypersthene chondrite.

Specimens:

(M.60.30.) (b.196.++) Irregular fragment, two sides polished, the rest of the surface with somewhat cracked crust

88x55x45 mm

480,0 g

(M.59.119.) (b.175.+ ) Square-shaped slice, four

sides polished 70x60x10 mm 124,0 g

NEW CONCORD 40°0'N., 81°16'W.

**Muskingum County, Ohio, U.S.A.**

Synonyms: Guernsey County, Muskingum County.

Fell 1860, May 1, 12<sup>h</sup>45'

STONE. Veined intermediate olivine-hypersthene chondrite.

**Specimens:**

(M.59.204.) (b.117.++) Fragment with rounded edges  
and crust. 80x70x35 mm

(M-59-167.) (a-155-x) Irregular fragment

33x20x12 mm 11-7 g

N'GOUREYMA APPROX.  $13^{\circ}15'N.$ ,  $4^{\circ}23'W.$

### Dienne, Massina, West Africa.

Fell 1900, June 15.

### IRON. Brecciated octahedrite.

**Specimen:**

(M.59.22.) (a.953.++) Rectangular full slice, one side polished and etched

155x140x8 mm 939,0 g

NIRO       $54^{\circ}46'N.$ ,  $113^{\circ}59'E.$

## Niro River, Buriat Mongolian Autonomous S.S.R.

Synonyms: Vitim, Witim, Verkhne Udinsk, Werkne  
Udinsk.

Found 1854.

IRON. Medium octahedrite.

**Specimen:**

(M.59.382.) (a.540.+) Oval-shaped full slice, one side polished and etched

140x90x50 mm 434,0 g

NOGOYA       $32^{\circ}22' S.$ ,  $59^{\circ}50' W.$

### Entre Ríos, Argentina.

Synonyms: Concepcion, Nagaya, Nogaya.

Fell 1879, June 30, evening.

STONE. Carbonaceous chondrite.

Specimen:

(M.59.186.) (a.359.) Irregular fragment, one side  
polished, with some crust

30x19x13 mm

12,3 g

OAKLEY  $38^{\circ}57'N.$ ,  $101^{\circ}1'W.$

Logan County, Kansas, U.S.A.

Found 1895.

STONE. Crystalline olivine-bronzite chondrite.

Specimen:

(M.62.18.) (a.908.) Polygonal individual, one corner  
broken

70x63x57 mm

612,7 g

OBERNKIRCHEN  $52^{\circ}16'N.$ ,  $9^{\circ}6'E.$

Bückeberg, Rinteln, Hesse-Nassau, Germany.

Synonym: Bückeberg.

Known before 1863.

IRON. Fine octahedrite.

Specimen:

(M.62.57.) (a.517.++) Irregular fragment, three  
sides polished and etched, with oxidized  
crust

50x28x22 mm

132,5 g

ODESSA  $31^{\circ}43'N.$ ,  $102^{\circ}24'W.$

Ector County, Texas, U.S.A.

Found before 1922.

IRON. Coarse octahedrite.

Specimens:

(M.68.18.)(x) Elongated-shaped irregular individual  
with oxidized crust

96x37x33 mm

643,9 g

(M.67.10.)(x) Irregular piece with oxidized crust

60x25x20 mm

120,2 g

ÓFEHÉRTÓ  $47^{\circ}53'N.$ ,  $22^{\circ}2'E.$

Szabolcs-Szatmár County, Hungary.

Fell 1900, July 25.

STONE. Olivine-hypersthene chondrite.

Specimens:

(M.62.6.)	(b.177.) Octahedron-shaped, oriented complete specimen	155x125x125 mm	3 300,0 g
(M.60.48.)	(a.996.) Polygonal specimen, with crust except one side	72x71x65 mm	531,7 g

OHABA      Approx.  $46^{\circ}4'N.$ ,  $23^{\circ}35'E.$

Alba Iulia, Transylvania, Romania.

Synonyms: Gyulafehérvár, Karlsburg, Károlyváros, Veresegyháza.

Fell 1857, October 11, 0<sup>h</sup>15'

STONE. Veined grey olivine-bronzite chondrite.

Specimen:

(M.59.154.)	(b.70.++) Small, thin, irregular slice with a crack	35x25x3 mm	8,7 g
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OKHANSK       $57^{\circ}47'N.$ ,  $55^{\circ}16'E.$

Perm, U.S.S.R.

Synonyms: Ochansk, Taborg, Taborsk, Taborskoie Se-  
lo, Tabory.

Fell 1887, August 30, 13<sup>h</sup>

STONE. Polymict brecciated spherical olivine-bron-  
zite chondrite.

Specimens:

(M.63.23.)	Angular fragment, with crust	21x15x11 mm	5,8 g
(M.67. 8.)	Tiny fragment	12x9x5 mm	1,5 g

ORGUEIL       $43^{\circ}53'N.$ ,  $1^{\circ}23'E.$

Montauban, Tarn-et-Garonne, France.

Synonym: Montauban.

Fell 1864, May 14, 20<sup>h</sup>

STONE. Carbonaceous chondrite.

Specimen:

(M.59.328.)	(a.358.) Tiny fragments in vial		3,8 g
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ORNANS       $47^{\circ}7'N.$ ,  $6^{\circ}9'E.$

Doubs, France.

Synonym: Salins.

Fell 1868, July 11, 19<sup>h</sup>15'

STONE. Spherical olivine-pigeonite chondrite.

Specimens:

(M.59.97.) (a.975.) Angular fragment

20x13x12 mm 12,5 g

(M.59.102.) (a.412.+) Angular fragment

19x17x9 mm 3,2 g

OROVILLE 39°41'N., 121°38'W.

Butte County, California, U.S.A.

Found 1893.

IRON. Medium octahedrite.

Specimen:

(M.59.338.) (a.1000.++) Rectangular slice, two sides  
polished and etched, two sides with oxi-  
dized crust, cracked a little

75x54x6 mm 128,0 g

PALLAS IRON 59°0'N., 91°26'E.

Yeniseisk, Siberia, U.S.S.R.

Synonyms: Emir (Mount), Kemis (Mount), Krasnojarsk,  
Medwedewa.

Found 1749.

STONY-IRON. Pallasite.

Specimens:

(M.59.416.) (a.726.++) Irregular-shaped piece  
90x55x42 mm

497,0 g

(M.68.25.) (a.479.xx) Irregular fragment

50x45x35 mm 129,8 g

(M.59.315.) (a.484.+xx) Irregular fragment, two  
sides polished 45x45x31 mm

82,6 g

(M.59.321.) (a.481.+xx) Irregular piece

41x35x22 mm 53,3 g

PAVLOVKA Approx. 52°2'N., 43°E.

Balashov district, Saratov Oblast, U.S.S.R.

Synonyms: Pawlowka, Saratov.

Fell 1882, August 2, 17<sup>h</sup>

STONE. Howardite (pyroxene-plagioclase achondrite).

Specimens:

(M.59.189.) (a.729.) Irregular piece with crust, two sides cut	120x80x45 mm	835,0 g
(ad.M.59.189.) Irregular-shaped piece of a corner, two sides cut, half part with crust	67x45x35 mm	120,0 g

PERSIMMON CREEK 35°6'N., 83°8'W.

Cherokee County, North Carolina, U.S.A.

Found 1903 (?)

IRON. Granular finest octahedrite.

Specimen:

(M.59.238.) (b.24.++) This slice, partly polished and etched and partly with oxidized crust	85x50x12 mm	172,3 g
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PILAWA GÓRNA 50°40'N., 16°46'E.

Silesia, Poland.

Synonyms: Gnadenfrei, Schobergrund.

Fell 1879, May 17, 16<sup>h</sup>

STONE. Polymict brecciated spherical olivine-bron-  
zite chondrite.

Specimens:

(M.59.104.)(a.404.++) Irregular fragment, half part with crust	42x30x18 mm	27,5 g
(M.60.12.)(a.403.) Irregular fragment, half part with crust	27x25x23 mm	24,5 g

PLYMOUTH 41°20'N., 86°19'W.

Marshall County, Indiana, U.S.A.

Synonym: Marshall County.

Found 1893.

IRON. Medium octahedrite.

Specimens:

(M.59.246.)(a.860.+) Nearly oval-shaped slice, two sides polished and etched, two sides		
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	with oxidized crust	92x67x8 mm	290,4 g
(M.59.26.) (a.849.++)	Irregular-shaped thin slice, two sides polished, one side cut, with some oxidized crust	98x69x4 mm	180,1 g
POHLITZ $50^{\circ}56'N.$ , $12^{\circ}8'E.$			
Gera, Reuss, Germany.			
Synonyms: Gera, Köstritz, Politz.			
Fell 1819, October 3, 8 <sup>h</sup>			
STONE. Veined white olivine-hypersthene chondrite.			
Specimens:			
(M.62.20.) (a.907.++)	Irregular fragment, half part with crust	100x53x42 mm	335,0 g
(M.59.127.) (a.95.)	Irregular fragment with crust	21x12x5 mm	3,4 g
PRAIRIE DOG CREEK $39^{\circ}38'N.$ , $100^{\circ}30'W.$			
Decatur Country, Kansas, U.S.A.			
Synonyms: Decatur Country, Dog Creek, Smoky Hill River.			
Found 1893.			
STONE. Crystalline spherical olivine-bronzite chon- drite.			
Specimens:			
(M.59.13.) (b.133.++)	Irregular fragment with crust	52x45x30 mm	165,3 g
(M.59.183.) (b.39.++)	Irregular fragment with some crust	42x25x22 mm	50,5 g
PRAMBANAN      Approx. $7^{\circ}34'S.$ , $110^{\circ}50'E.$			
Surakarta, Java.			
Synonyms: Brambanan Sörakarta, Surakarta.			
Known 1797.			
IRON. Fine octahedrite.			
Specimens:			
(M.59.371.) (a.508.+)	Prism-shaped, all sides cut	29x28x17 mm	85,6 g
(M.59.228.) (a.509.++)	Thin slice, four sides po-		

lished, two sides with oxidized crust  
24x24x6 mm 19,5 g

PRASKOLESY  $49^{\circ}52'N.$ ,  $13^{\circ}55'E.$

Horovice, Bohemia, Western Czechoslovakia.

Synonyms: Beraun, Horowitz, Praskoles, Zebrak.

Fell 1824, October 14, 8<sup>h</sup>

STONE. Spherical olivine-bronzite chondrite.

Specimen:

(M.59.291.) (a.842++) Triangular-shaped fragment,  
two sides with crust

60x34x30 mm 88,5 g

PULTUSK  $52^{\circ}43'N.$ ,  $21^{\circ}6'E.$

Warsaw, Poland.

Synonyms: Lerici, Ostrolenka, Varsava, Warschau.

Fell 1868, January 30, 19<sup>h</sup>

STONE. Veined grey olivine-bronzite chondrite.

Specimens:

(M.62.3.) (a.260.+ ) Oriented complete piece, one  
corner broken 132x85x55 mm 1 250,0 g

(M.60.7.) (a.257.+ ) Irregular individual, one side  
broken 100x85x65 mm 982,0 g

(M.62.39.) (a.261.+++) Nearly rectangular-shaped  
individual, one side broken, the crust  
fissured a little 75x60x50 mm 699,3 g

(M.60.50.) (a.262.+ ) Nearly triangular-shaped com-  
plete individual 75x55x44 mm 325,5 g

(M.62.40.) (a.263.+ ) Irregular complete individual  
60x43x34 mm 167,5 g

(M.59.335.) (a.731.+++) Fragment of an end-piece  
with crust 50x48x28 mm 154,0 g

(M.59.120.) (b.178.+ ) Irregular individual, one  
side broken 55x40x23 mm 116,0 g

(M.59.255.) (a.264.x) Irregular individual, one  
side broken 55x45x15 mm 106,3 g

(M.62.44.) (a.266.+ ) Polygonal individual, one side  
broken 43x42x32 mm 83,5 g

(M.59.170.) (a.270.+)	Roundish-shaped fragment		
	37x35x22 mm	69,5	g
(M.60.47.) (A.269.+)	Oriented individual		
	42x40x21 mm	69,3	g
(M.59.178.) (a.271.++)	Polygonal complete individual		
dual	40x32x26 mm	65,6	g
(M.63.26.)	Angular fragment	35x35x22	52,4 g
(M.59.187.) (a.273.++)	Angular complete individual		
	37x22x20 mm	42,5	g
(M.60.42.) (a.281.x)	Oval-shaped complete individual		
	35x27x20 mm	39,0	g
(M.59.169.) (a.277.+)	Irregular fragment with crust		
	37x33x15 mm	38,6	g
(M.59.253.) (a.280.x)	Oriented complete individual		
	40x23x20 mm	37,0	g
(M.59.228.) (a.282.)	Angular-shaped individual		
	33x20x18 mm	25,7	g
(M.59.229.) (a.283.+)	Angular-shaped complete individual		
	28x20x18 mm	22,4	g
(M.59.257.) (a.284.++)	Angular-shaped, oriented complete individual	27x20x17 mm	20,2 g
(M.59.44.) (a.288.++)	Irregular piece, one side broken, with crust	26x22x10 mm	14,0 g
(M.59.212.) (a.290.)	Irregular complete individual	25x16x12 mm	10,7 g
(M.59.225.) (a.297.++)	Fragment with crust	22x14x12 mm	9,0 g
(M.59.211.) (a.292.+)	Complete individual	20x13x13 mm	8,9 g
(M.59.65.) (a.296.++)	Irregular fragment	16x11x8 mm	5,5 g
(M.67.14.)	Irregular fragment, one side with crust	21x14x8 mm	4,5 g
(M.67.13.)	Irregular fragment	15x9x3 mm	0,6 g

PUTNAM COUNTY       $33^{\circ}15'N.$ ,  $83^{\circ}15'W.$

Georgia, U.S.A.

Found 1839.

IRON. Fine octahedrite.

Specimen:

(M.59.11.) (a.512++) Flat rectangular slice, one side polished      25x22x1,5 mm      9,5 g

QUENGGOUK      17°46'N., 95°11'E.

Basein district, Lower Burma.

Synonyms: Basein, Pegu.

Fell 1857, December 27, 2<sup>h</sup>30'

STONE. Spherical olivine-bronzite chondrite.

Specimens:

(M.59.251.) (b.172++) Angular fragment, one side with crust      37x37x35 mm      73,5 g

(M.59.285.) (a.943++) Polygonal fragment      33x28x20 mm      35,3 g

(M.59.305.) (a.381.) Irregular fragments      2,0 g

RAKOVKA      52°59'N., 37°2'E. "

Novosil'sk district, Orel Oblast, U.S.S.R.

Synonyms: Rakowka, Tula.

Fell 1878, November 20, 15<sup>h</sup>

STONE. Intermediate olivine-hypersthene chondrite.

Specimen:

(M.60.18.) (a.166+) Irregular fragment with crust      45x17x10 mm      12,7 g

RANCHO de la PILA      25°5'N., 104°30'W.

Durango, Mexico.

Synonyms: Durango, Gradalupe, Karavinszky Iron, Pila.

Found 1882.

IRON. Medium octahedrite.

Specimen:

(M.59.126.) (a.584++) Irregular-shaped slice, one side polished and etched, with oxidized crust      58x40x15 mm      79,8 g

RENAZZO       $44^{\circ}47'N.$ ,  $11^{\circ}18'E.$

Centò, Ferrara, Italy.

Synonyms: Arenazzo, Cento.

Fell 1824, January 15, 20<sup>h</sup>30'

STONE. Carbonaceous chondrite.

Specimens:

(M.59.193.) (a.343++) Irregular fragment with crust

40x25x22 mm

58,5 g

(M.59.271.) (a.344++) Spheroidal fragment, two  
sides with crust, one side polished

32x30x20 mm

36,5 g

RHINE VILLA       $34^{\circ}20'S.$ ,  $139^{\circ}10'E.$

Rhine Valley, Adelaide, South Australia.

Synonym: Rhine Valley.

Found 1900.

IRON. Medium octahedrite.

Specimen:

(M.59.213.) (a.955+) Irregular full slice, one side  
polished and etched      100x55x5 mm

180,2 g

RODEO       $24^{\circ}10'N.$ ,  $104^{\circ}30'W.$

Durango, Mexico.

Synonym: El Rodeo.

Found 1852.

IRON. Fine octahedrite.

Specimen:

(M.59.380.) (b.27+) Irregular slice, two sides po-  
lished, etched, with oxidized crust

80x52x21 mm

823,3 g

ROEBOURNE       $22^{\circ}20'S.$ ,  $119^{\circ}E.$

Hamersley Range, North-West Division, Western  
Australia.

Synonyms: Hamersley, Hammersley.

Found 1892.

IRON. Medium octahedrite.

Specimen:

(M.59.245.) (a.887++) Flat, rectangular slice, two sides polished and etched, one side with oxidized crust      70x58x10 mm      338,0 g

RUFF'S MOUNTAIN       $34^{\circ}18'N.$ ,  $81^{\circ}24'W.$

Lexington County, South Carolina, U.S.A.

Synonyms. Lexington County, Newberry.

Found 1844.

IRON. Medium octahedrite.

Specimen:

(M.59.352.) (a.594.) Nearly square-shaped slice, one side with oxidized crust, the others polished and etched      69x65x8 mm      274,0 g

RUSSEL GULCH       $39^{\circ}48'N.$ ,  $105^{\circ}30'W.$

Gilpin County, Colorado, U.S.A.

Synonyms: Colorado, Gilpin County.

Found 1863.

IRON. Fine octahedrite.

Specimen:

(M.59.197.) (a.515+) Rectangular slice, all sides polished      11x11x5 mm      9,6 g

SALLES       $46^{\circ}3'N.$ ,  $4^{\circ}38'E.$

Villefranche, Rhone, France.

Synonym: Villefranche.

Fell: 1798, March 12, 18<sup>h</sup>

STONE. Veined Intermediate olivine-bronzite chondrite.

Specimens:

(M.59.96.) (a.944++) Angular fragment with some crust      50x45x32 mm      121,8 g

(M.59.262.) (a.897.x) Angular fragment, two sides with crust      29x25x15 mm      25,0 g

SAN ANGELO       $31^{\circ}25'N.$ ,  $100^{\circ}21'W.$

Tom Green County, Texas, U.S.A.

Found 1897.

IRON. Medium octahedrite.

Specimen:

(M.59.232.) (a.904.+) A slice, two sides polished,  
with oxidized crust 90x60x6 mm

165,0 g

SAN CRISTOBAL 23°26'S., 69°30'W.

Antofagasta, Chile.

Synonym: Antofagasta.

Found about 1882.

IRON. Nickel-rich ataxite.

Specimen:

(M.59.233.) (a.884.++) Irregular individual with a  
small polished surface

45x20x15 mm

62,2 g

SANTA CATHARINA 26°13'S., 48°35'W.

Brazil.

Synonyms: Morro do Rocio, Rio San Francisco do Sul,  
San Francisco do Sul.

Found 1875.

IRON. Nickel-rich ataxite.

Specimens:

(M.62.26.) (a.704.++) Irregular fragment, one side  
polished and etched, with oxidized crust  
90x55x50 mm

1 300,0 g

(M.59.268.) (a.706.++) Round-shaped full slice,  
two sides polished, other with oxidized  
crust 65x60x14 mm

295,0 g

(M.59.6.)(a.707.++) Irregular thin slice, two sides  
polished 140x135x3 mm

259,2 g

(M.67.30.) Irregular fragment of a slice, one side  
polished 25x15x8 mm

16,8 g

SAO JULIAO de MOREIRA 41°30'N., 8°20'W.

Ponte de Lima, Minho, Portugal.

Synonym: Ponte de Lima.

Known before 1883.

IRON. Coarsest octahedrite.

Specimens:

(M.59.386.) (a.886++) Irregular fragment, three sides cut, one side polished, with some oxidized crust	108x60x40 mm	1 450,0 g
(M.67.9.)(x) Irregular fragment, one side polished, other sides with oxidized crust	32x18x12 mm	26,5 g

SAREPTA  $48^{\circ}29'N.$ ,  $44^{\circ}49'E.$

Stalingrad Oblast, U.S.S.R.

Synonyms: Krasnoarmeisk, Saratov.

Found 1854.

IRON. Coarse octahedrite.

Specimen:

(M.59.402.) (a.637++) Irregular slice three sides polished	47x38x9 mm	77,7 g
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SAVCHENSKOE  $47^{\circ}13'N.$ ,  $29^{\circ}52'E.$

Odessa Oblast, Ukraine, U.S.S.R.

Synonyms: Cherson, Kherson, Savcenskoje, Savchenskoe, Savtschenskoje, Sawtschenskoje.

Fell 1894, July 27, 20<sup>h</sup>

STONE. Intermediate crystalline-spherical olivine-hypersthene chondrite (amphoterite).

Specimen:

(M.59.205.) (b.180+) Angular fragments with crust	21x18x10 mm	7,2 g
	20x12x10 mm	5,8 g

SCHÖNENBERG  $48^{\circ}7'N.$ ,  $10^{\circ}28'E.$

Pfaffenhausen, Swabia, Bavaria, Germany.

Fell 1846, December 25, 14<sup>h</sup>

STONE. Veined white olivine-hypersthene chondrite.

Specimen:

(M.59.112.) (a.929++) Irregular fragment, three sides polished, with some crust	40x35x27 mm	80,7 g
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SCOTTSVILLE       $36^{\circ}46'N.$ ,  $86^{\circ}10'W.$

Allen County, Kentucky, U.S.A.

Synonym: Allen County.

Found 1867.

IRON. Hexahedrite.

Specimens:

(M.59.12.)	(a.851.++) Octagonal-shaped slice, three sides polished	110x80x5 mm	260,8 g
(M.59.242.)	(a.743.++) Irregular slice, two sides polished, one side cut, other surfaces with oxidized crust	105x70x5 mm	220,7 g

SENA       $41^{\circ}43'N.$ ,  $0^{\circ}3'W.$

Sarinena, Huesca, Spain.

Synonym: Sigena.

Fell 1773, November 17, 12<sup>h</sup>

STONE. Brecciated grey olivine-bronzite chondrite.

Specimen:

(M.59.162.)	(a.309.++) Irregular fragment, one side polished, larger part with crust	55x30x25 mm	94,5 g
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SEVRIUKOVO       $50^{\circ}37'N.$ ,  $36^{\circ}36'E.$

Kursk Oblast, U.S.S.R.

Synonyms: Belgorod, Kursk, Sevrukovo, Sewrukovo, Sewrukof, Tula.

Fell 1874, May 11, 23<sup>h</sup>45'

STONE. Black olivine-hypersthene chondrite.

Specimen:

(M.59.9.)	(a.346.++) Angular fragment, one side polished	35x33x22 mm	65,7 g
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SHALKA       $23^{\circ}6'N.$ ,  $87^{\circ}18'E.$

Bishnupur, Bankura district, West Bengal, India.

Synonyms: Bancoorah (for Bankura), Bissem pore, Sá-luká.

Fell 1850, November 30, 16<sup>h</sup>30'

STONE. Monomict brecciated diogenite (hypersthene achondrite).

Specimen:

(M.59.110.) (a.893.) Irregular fragment with crust

35x25x17 mm

17,5 g

SHELBURNE  $44^{\circ}3'N.$ ,  $80^{\circ}10'W.$

Grey County, Ontario, Canada.

Fell 1904, August 13, 20<sup>h</sup>

STONE. Polymict brecciated veined grey olivine-hypersthene chondrite.

Specimens:

(M.59.47.) (b.69.++) Irregular fragment, one side polished, with small crust

80x38x35 mm

335,7 g

(M.59.166.) (b.66.) Irregular-shaped slice, three sides polished, with small crust

58x42x7 mm

38,0 g

SIENA  $43^{\circ}19'N.$ ,  $11^{\circ}20'E.$

Tuscany, Italy.

Synonyms: Cosona, Lucignano d'Asso, Lusignano d'Asso, Pienza, San Giovanni d'Asso, Spedalone presso Pienza, Suoma.

Fell 1794, June 16, 19<sup>h</sup>

STONE. Polymict brecciated intermediate olivine-hypersthene chondrite (howarditic chondrite of Brezina).

Specimen:

(M.59.180.) (a.43.+) Irregular fragment, one side with crust

40x25x20 mm

36,0 g

SIKHOTE-ALIN  $46^{\circ}9,6'N.$ ,  $134^{\circ}39,2'E.$

Krasnoarmeist District, Primor'e Territory, Eastern Siberia, U.S.S.R.

Synonyms: Sichote-Alin, Sichote-Alinsky, Sihote-Alin, Ussuri.

Fell 1947, February 12, 10<sup>h</sup>38'

IRON. Very coarse structured octahedrite or granular hexahedrite.

Specimen:

(M.62.1.)(++) Thick full slice, two sides polished  
190x100x22 mm

2 650,0 g

SINDHRI  $26^{\circ}13'N.$ ,  $69^{\circ}33'E.$

Khipro taluq, Thar and Parkar district, Sind,  
Pakistan.

Fell 1901, June 10, 23<sup>h</sup>

STONE. Spherical olivine-bronzite chondrite.

Specimen:

(M.59.314.) (a.988.++) Wedge-shaped fragment with  
some crust  
53x42x40 mm

136,2 g

SKI  $59^{\circ}44'N.$ ,  $10^{\circ}52'E.$

Akershus, Oslo, Norway.

Synonyms: Akershus, Schie.

Fell 1848, December 27, evening.

STONE. Vlined white olivine-hypersthene chondrite.

Specimen:

(M.59.64.) (a.104.) Tiny fragment

0,4 g

SLAVETIC  $45^{\circ}41'N.$ ,  $15^{\circ}36'E.$

Zagreb (= Agram), Croatia, Yugoslavia.

Synonym: Jaska.

Fell 1868, May 12, 10<sup>h</sup>30'

STONE. Brecciated grey olivine-bronzite chondrite.

Specimen:

(M.59.88.) (a.301.++) Angular fragment, two sides  
polished, one side with crust

22x18x12 mm

6,2 g

STAUNTON  $38^{\circ}9'N.$ ,  $79^{\circ}4'W.$

Augusta County, Virginia, U.S.A.

Synonyms: Augusta County, Feltersville, Louisa County.

Found 1858-59.

IRON. Medium octahedrite.

Specimens:

(M.59.350.) (a.568.) Oval-shaped full slice, two sides polished one of them etched	240x180x10 mm	2 430,0 g
(M.60.3.) (a.566.) Oval-shaped full slice, two sides polished	260x180x8 mm	2 390,0 g
(M.59.351.) (a.567.) Irregular full slice, two sides polished one of them etched	240x170x8 mm	1 615,0 g
(M.62.53.) (a.727.) Irregular, elongated-shaped full slice, one side polished and etched		135,0 g

STALLDALEN  $59^{\circ}56'N.$ ,  $14^{\circ}57'E.$

Nya Kopparberg, Örebro, Sweden.

Fell 1876, June 28,  $23^{h}30'$

STONE. Brecciated grey olivine-bronzite chondrite.

Specimen:

(M.59.264.) (a.730++) Wedge-shaped slice, one side polished, one side with crust	75x55x33 mm	254,0 g
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STEINBACH  $50^{\circ}30'N.$ ,  $12^{\circ}30'E.$

Erzgebirge, Saxony, Germany.

Synonyms: Breitenbach, Eibenstock, Gimma, Johanngeorgenstadt, Rittersgrün.

Found 1724.

STONY-IRON. Siderophyre.

Specimens:

(M.59.287.) (a.470++) Flat, rectangular slice, one side with oxidized crust	60x40x11 mm	144,7 g
(M.59.210.) (a.748++) Rectangular slice, two sides polished	55x45x6 mm	63,5 g
(M.59.177.) (a.471++) Rectangular slice, two sides polished	65x25x6 mm	43,0 g
(M.59.181.) (a.472++) Quadrangular slice with polished sides	50x38x3 mm	42,2 g



Synonyms: Brandenburg, Przelazy, Schwiebus, See-lägen.

Known before 1847.

IRON. Coarsest octahedrite.

Specimens:

(M.59.408.) (a.640.+)	Prism-shaped, one side polished, three sides cut	55x34x25 mm	275,2 g
(M.62.28.) (a.866.++)	Irregular full slice, two sides polished	60x55x9 mm	164,7 g
(M.59.283.) (a.642.++)	Thick slice, six sides cut with some oxidized crust	55x26x18 mm	162,5 g

SWIECIE  $53^{\circ}24'N.$ ,  $18^{\circ}27'E.$

Kwidzyn, Poland.

Synonyms: Kwidzyn, Schwetz, Weichsel.

Found 1850.

IRON. Medium octahedrite.

Specimen:

(M.59.19.) (a.563.++)	Nearly brick-shaped slice, two sides polished, one side cut, with oxidized crust	98x77x12 mm	582,5 g
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TABOR  $49^{\circ}21'N.$ ,  $14^{\circ}43'E.$

Bohemia, Czechoslovakia.

Synonyms: Kravin, Krawin, Strka, Strkow.

Fell 1753, July 3, 20<sup>h</sup>

STONE. Brecciated spherical olivine-bronzite chondrite.

Specimens:

(M.60.41.) (a.305.+)	Oval-shaped, flat individual, two angle broken	106x60x48 mm	709,2 g
(M.59.171.) (a.308.+)	Rectangular slice with polished sides	47x32x5 mm	28,6 g

TAMARUGAL  $20^{\circ}10'S.$ ,  $69^{\circ}40'W.$

Iquique, Tarapaca, Chile.

Synonyms: El Inca, Pampa de Tamarugal.

Found 1903.

IRON. Medium octahedrite.

Specimen:

(M.59.394.) (b.111.++) Semicircular full slice, one side polished 410x275x12 mm 8 265,0 g

TARAPACA  $19^{\circ}58'N.$ ,  $69^{\circ}38'W.$

Chile.

Found 1889.

IRON. Medium octahedrite.

Specimens:

(M.68.2.) (a.703.++) Flat, nearly brick-shaped slice, four sides polished, two sides with oxidized crust 82x55x8 mm 184,5 g

(M.59.367.) (a.702.+) Nearly square-shaped fragment of a slice with oxidized crust

54x45x3 mm 59,0 g

TAZEWELL  $36^{\circ}26'N.$ ,  $83^{\circ}34'W.$

Claiborne County, Tennessee, U.S.A.

Synonyms: Claiborne County, East Tennessee, Knoxville.

Found 1853.

IRON. Finest octahedrite.

Specimen:

(M.59.156.) (a.504.+) Irregular slice, with four polished sides 50x37x23 mm 176,8 g

THUNDA  $25^{\circ}42'S.$ ,  $143^{\circ}3'E.$

Windorah, County Grey, Queensland, Australia.

Synonyms: Diamantina, Windorah.

Known since 1881.

IRON. Medium octahedrite.

Specimen:

(M.59.235.) (a.775.) Irregular-shaped slice, two sides polished and etched

90x82x8 mm 370,7 g

TIMOKHINA  $54^{\circ}30'N.$ ,  $35^{\circ}12'E.$

Iukhnov district, Kaluga Oblast, U.S.S.R.

Synonyms: Juchnow, Timochin, Timochina, Timokhina,  
Timoschin, Yukhnov.

Fell 1807, March 25, 15<sup>h</sup>

STONE. Spherical olivine-bronzite chondrite.

Specimen:

(M.59.289.) (a.365++) Nearly rectangular fragment  
46x35x19 mm

108,0 g

TJABÉ  $7^{\circ}5'S.$ ,  $111^{\circ}32'E.$

Padang, Rembang, Jawa.

Fell 1869, September 19, 21<sup>h</sup>

STONE. Crystalline olivine-bronzite chondrite.

Specimens:

(M.59.224.) (a.434++) Irregular fragment, one side  
polished, half part with crust

90x72x40 mm 472,7 g

(M.59.70.) (a.435++) Angular fragment

26x25x15 mm 29,2 g

(M.59.90.) (b.170++) Angular fragment

10x10x6 mm 1,5 g

TOLUCA  $19^{\circ}34'N.$ ,  $99^{\circ}34'W.$

Mexico State, Mexico.

Synonyms: Abert Iron, Caparrosa, Hiquipilco, Ixtlahuaca, Jiquipilco, Mani, Moenvalle, Ocatitlan, Poinsett Iron, Tejupilco, Xiquipilco, Ziquipilco.

Known before 1776.

IRON. Medium octahedrite.

Specimens:

(M.62.11.) (a.543++) Irregular individual with  
oxidized crust 250x200x80 mm

17 000,0 g

(M.59.398.) (b.185++) Flat section of sphere, one  
side polished and etched, other part  
with oxidized crust 170x170x47 mm

5 240,0 g

(M.59.239.) (b.194++) Triangular-shaped piece with  
oxidized crust, one side polished and

	etched	155x142x34 mm	3 900,0 g
(M.59.301.) (a.548++)	Irregular piece, one side polished and etched, with oxidized crust		
		190x90x80 mm	3 800,0 g
(M.59.395.) (a.549++)	Irregular piece	150x80x35 mm	2 436,0 g
(M.59.373.) (a.550++)	Flat fragment of a full slice, one side polished	290x120x8 mm	1 390,0 g
(M.59.384.) (a.545++)	Irregular fragment, one side polished and etched	130x65x35 mm	1 180,0 g
(M.59.363.) (b.195.++++)	Nearly triangular-shaped full slice	170x100x6 mm	407,0 g
(M.59.41.) (b.3++)	Angular fragment of a corner, one side polished and etched, with oxidized crust	56x55x25 mm	288,0 g
(M.59.158.) (a.723++)	Thick full slice, two sides polished and etched	60x45x12 mm	202,0 g
(M.59.207.) (a.554.+)	Slice, two sides polished and etched	57x39x4 mm	53,4 g

TOMATLAN       $20^{\circ}10'N.$ ,  $105^{\circ}13'W.$

Jalisco, Mexico.

Synonyms: Bramudor, Fomatlan, Gargantillo, Jalisco, Tulisca.

Fell 1879, September 17,  $16^{h}30'$ .

STONE. Spherical olivine-bronzite chondrite.

Specimens:

(M.59.69.) (a.979++)	Angular fragment with small crust	32x22x17 mm	24,7 g
(M.59.115.) (b.105.)	Angular fragment	18x10x6 mm	1,8 g

TOMHANNOCK CREEK       $42^{\circ}53'N.$ ,  $73^{\circ}36'W.$

Rensselaer County, New York, U.S.A.

Synonyms: Ironhannock Creek, Rensselaer County.

Found about 1863.

STONE. Brecciated olivine-bronzite chondrite.

Specimens:

(M.59.185.) (a.972.+)	Flat, oval-shaped piece, one side polished, the greater part of the surface with crust	44x28x10 mm	27,7 g
(M.59.92.) (a.867.++)	Flat slice, with polished sides	45x25x3 mm	7,0 g

TONGANOXIE  $39^{\circ}5'N.$ ,  $95^{\circ}7'W.$

Leavenworth County, Kansas, U.S.A.

Synonyms: Kansas, Laevenworth County.

Found 1886.

IRON. Medium octahedrite.

Specimen:

(M.63.28.) Thin slice, one side polished	42x33x1,5 mm	45x33x1,5 mm	16,0 g
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TOULOUSE  $43^{\circ}36'N.$ ,  $1^{\circ}24'E.$

Haute Garonne, France.

Synonyms: Aucamville, Grenade.

Fell 1812, April 10, 20<sup>h</sup>

STONE. Veined intermediate olivine-bronzite chondrite.

Specimen:

(M.59.117.) (a.948.) Irregular fragment	13x9x8 mm	3,3 g
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TRENTON  $43^{\circ}22'N.$ ,  $88^{\circ}8'W.$

Washington County, Wisconsin, U.S.A.

Synonyms: Colorado, Milwaukee, Washington County, Wisconsin.

Found 1858.

IRON. Medium octahedrite.

Specimens:

(M.59.234.) (a.575.++) Irregular fragment four sides polished, two sides with oxidized crust	45x40x25 mm	367,0 g
(M.59.140.) (a.576.++) Irregular-shaped slice, two sides polished and etched	80x60x6 mm	166,0 g

(M.59.345.) (a.574.++) Nearly rectangular slice,  
two sides polished and etched, one side  
with oxidized crust 38x37x8 mm

71,7 g

TRENZANO 45°28'N., 10°20'E.

Brescia, Italy.

Synonyms: Brescia, Chiara, Ferrara, Vilabella.

Fell 1856, November 12, 16<sup>h</sup>

STONE. Veined spherical olivine-bronzite chondrite.

Specimen:

(M.62.46.) (a.380.++) Triangular-shaped fragment,  
half part with crust 52x40x24 mm

115,7 g

UBERABA 19°49'S., 48°47'W.

Minas Gerais, Brazil.

Synonym: Dores dos Campos Formosos.

Fell 1903, June 29, 10<sup>h</sup>

STONE. Veined spherical olivine-bronzite chondrite.

Specimens:

(M.59.50.) (b.104.x) Irregular fragment, half part  
with crust 65x52x32 mm

293,0 g

(M.59.45.) (b.109.++) Irregular fragment, half part  
with crust 60x40x30 mm

153,0 g

UDEN 51°39'N., 5°37'E.

North Brabant, Holland.

Synonyms: Nord-Brabant, Staartje.

Fell 1840, June 12, 10<sup>h</sup>30'

STONE. White olivine-hypersthene chondrite (ampho-  
terite).

Specimen:

(M.60.40.) (a.146.) Small irregular fragments with  
some crust 10x10x7 mm

10x8x4 mm

total weight

3,3 g

UTRECHT 52°7'N., 5°11'E.

Holland.

Synonym: Blaauw-Kapel.

Fell 1843, June 2, 20<sup>h</sup>

STONE. Veined spher. olivine-hypersthene chondrite.

Specimens:

(M.62.7.) (a.369.+)	Oriented, polygonal specimen, one side polished and cracked, the other sides with crust	185x160x130 mm	6 320,0 g
(M.59.317.) (a.372.)	Angular fragment, two sides with crust	27x24x12 mm	16,7 g

VACA MUERTA 25°45'S., 70°30'W.

Taltal, Atacama, Chile.

Synonyms: Carrizalillo, Cerre la Bomba, Chile, Dona  
Inez, Janacera Pass, Jarquera, Llano del Inca,  
Mejillones, San Pedro, Sierra de Chaco, Taltal,  
Vegas i Carrisalillo.

Recognized 1861.

STONY-IRON. Mesosiderite.

Specimen:

(M.59.206.) (a.452.+)	Thin slice, one side polished	55x50x7 mm	78,0 g
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VAVILOVKA 46°9'N., 32°50'E.

Skadov district, Kherson Oblast, Ukraine, U.S.S.R.

Synonyms: Cherson, Kherson, Maksimovka, Wawilowka.

Fell 1876, June 19, 14<sup>h</sup>

STONE. Monomict brecciated olivine-hypersthene chon-  
drite (amphoterite).

Specimens:

(M.60.44.) (a.151.++x)	Nearly brick-shaped thick slice, three sides polished, one side with crust	56x32x13 mm	73,5 g
(M.59.114.) (a.834.)	Angular fragment	18x16x12 mm	8,9 g
(M.60.53.) (a.150.)	Irregular fragments		8,5 g

VELKÁ DIVINA 49°16'N., 18°43'E.

Slovakia, Czechoslovakia.

Synonyms: Budetin, Gross-Divina, Nagydévény, Nagy-Divina, Nagy-Diwina.

Fell 1837, July 24, 11<sup>h</sup>30'

STONE. Spherical olivine-bronzite chondrite.

Specimen:

(M.60.10.) (a.210.++) Oriented individual with crust  
but some smaller spots 230x220x120 mm

9 910,0 g

VELKE BOROVE 49°10'N., 19°30'E.

Slovakia, East Czechoslovakia.

Synonyms: Liptó, Nagy-Borové, Nagy Borovec, Velká-Borove.

Fell 1895, May 9.

STONE. Grey olivine-hypersthene chondrite.

Specimen:

(M.59.413.) (a.859.x) Drop-shaped, oriented complete  
specimen with crust except a smaller  
spot 205x135x130 mm

5 880,0 g

VESELI nad MORAVA 48°57'N., 17°23'E.

Moravia, Czechoslovakia.

Synonyms: Hradisch, Wessely, Znorow.

Fell 1831, September 9, 15<sup>h</sup>30'

STONE. Veined grey olivine-bronzite chondrite.

Specimen:

(M.62.59.) (b.41.) Irregular fragment of interior  
12x9x4 mm

1,5 g

VIGARANO 44°50'N., 11°30'E.

Ferrara, Italy.

Synonyms: Cariani, Ferrara, Morandi, Pieve, Vigarano Pieve.

Fell 1910, January 22, 21<sup>h</sup>30'

STONE. Black spherical olivine-pigeonite chondrite.

Specimen:

(M.59.118.) (b.144.++) Flat specimen with crust,  
one side polished + tiny fragments in  
vial 90x60x20 mm

273,0 g

VIRPA       $43^{\circ}32'N.$ ,  $22^{\circ}38'E.$

Vidin, Bulgaria.

Synonyms: Belgradjek, Urba, Vidin, Vyrba, Wirba.

Fell 1873, June 1.

STONE. Veined white olivine-hypersthene chondrite.

Specimen:

(M.60.59.) (a.928.x) Elongated prism-shaped oriented complete specimen with crust, one corner is missing      185x90x80 mm      3 060,0 g

VOUILLE       $46^{\circ}38'N.$ ,  $0^{\circ}10'E.$

Poitiers, Vienne, France.

Synonym: Poitiers.

Fell 1831, May 13, 23<sup>h</sup>

STONE. Veined intermediate olivine-hypersthene chondrite.

Specimen:

(M.59.308.) (b.108.++) Irregular fragment, one side with crust      67x33x25 mm      88,9 g

WACONDA       $39^{\circ}20'N.$ ,  $98^{\circ}10'W.$

Mitchell County, Kansas, U.S.A.

Synonym: Mitchell County.

Found 1873.

STONE. Polymict brecciated spherical olivine-hypersthene chondrite.

Specimen:

(M.59.252.) (a.50.) Irregular fragment      21x13x12 mm      6,7 g

WALDRON RIDGE       $36^{\circ}38'N.$ ,  $83^{\circ}50'W.$

Claiborne County, Tennessee, U.S.A.

Synonym: Wallens Ridge.

Known 1887.

IRON. Medium octahedrite.

Specimen:

(M.60.5.) (a.844.+) Irregular-shaped full slice, with a larger crack      130x60x4 mm      256,5 g

WESTON  $41^{\circ}13'N.$ ,  $73^{\circ}23'W.$

Fairfield County, Connecticut, U.S.A.

Synonym: Fairfield County.

Fell 1807, December 14,  $6^{\text{h}}30'$

STONE. Polymict brecciated spherical olivine-bronze chondrite.

Specimens:

(M.59.226.) (a.409.+++) Irregular fragment with some crust  $35x25x20$  mm

42,7 g

(M.59.227.) (a.406.+) Irregular fragment

$21x21x15$  mm

12,6 g

WICHITA COUNTY  $34^{\circ}4'N.$ ,  $98^{\circ}55'W.$

Texas, U.S.A.

Synonyms: Austin, Brazos River, Red River, Young County.

Known before 1836.

IRON. Coarse octahedrite.

Specimen:

(M.60.10.) (a.622.+) Irregular slice, two sides polished  $260,5x80x8$  mm

945,0 g

WILLAMETTE  $45^{\circ}22'N.$ ,  $122^{\circ}35'W.$

Clackamas County, Oregon, U.S.A.

Found 1902.

IRON. Medium octahedrite.

Specimen:

(M.59.18.) (b.25.+) Irregular-shaped slice, one side polished and etched, with some oxidized crust  $167x135x16$  mm

1 100,0 g

WOLD COTTAGE  $54^{\circ}9'N.$ ,  $0^{\circ}25'W.$

Wold Newton, Scarborough, Yorkshire, England.

Synonym: Yorkshire.

Fell 1795, December 13,  $15^{\text{h}}30'$

STONE. Veined white olivine-hypersthene chondrite.

Specimens:

(M.59.103.) (a.87.++) Brick-shaped fragment, three

	sides polished	28x19x12 mm	20,6 g	
(M.59.113.)	(a.85.x) Irregular fragment, one side polished	37x16x14 mm	17,5 g	
(M.59.155.)	(a.88.+)	Irregular fragment, three sides polished	20x17x14 mm	16,0 g

ZABORITSA  $50^{\circ}17'N.$ ,  $27^{\circ}41'E.$

Baranovsk district, Zhitomir Oblast, Ukraine,  
U.S.S.R.

Synonyms: Czartorya, Saboriza, Saboryzy, Zaborica,  
Zaboritza, Zaborzika.

Fell 1818, April 11.

STONE. Veined intermediate olivine-hypersthene chon-  
drite.

Specimen:

(M.59.218.)	(a.765++) Irregular-shaped slice, one side polished	62x28x6 mm	33,4 g
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ZACATECAS  $22^{\circ}49'N.$ ,  $102^{\circ}34'W.$

Mexico.

Known before 1792.

IRON. Brecciated octahedrite.

Specimens:

(M.59.281.)	(a.649+) Irregular slice, two sides po- lished, with oxidized crust	73x32x15 mm	250,0 g
(M.59.260.)	(a.650++) Irregular fragment with oxi- dized crust, one side polished	55x28x20 mm	81,5 g

ZAVID  $44^{\circ}24'N.$ ,  $19^{\circ}7'E.$

Zvornik, Bosnia, Yugoslavia.

Fell 1897, August 1, 11<sup>h</sup>22'

STONE. Brecciated grey olivine-hypersthene chon-  
drite.

Specimen:

(M.59.318.)	(a.889.x) Irregular fragment with some crust	120x100x60 mm	833,0 g
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ZHMENI       $51^{\circ}50'N.$ ,  $26^{\circ}50'E.$

Pinsk district, Bielorussia, U.S.S.R.

Synonyms: Cmien, Minsk, Tsmem', Zmeni, Zmenj.

Fell 1858, August.

STONE. Howardite (pyroxene-plagioclase achondrite).

Specimen:

(M.59.95.) (b.38.) Flat fragment

28x17x3 mm

3,7 g

ZIELONA GORA       $51^{\circ}56'N.$ ,  $15^{\circ}30'E.$

Silesia, Poland.

Synonyms: Grünberg, Grüneberg, Heinrichau, Seifers-holz, Wilkanowko.

Fell 1841, March 22,  $15^{\circ}30'$

STONE. Veined grey olivine-bronzite chondrite.

Specimen:

(M.59.259.) (a.820.++) Irregular fragment

15x11x10 mm

4,1 g

ZOMBA       $15^{\circ}11'S.$ ,  $35^{\circ}17'E.$

Malawi.

Synonym: Mount Zomba.

Fell 1899, January 25,  $7^h45'$

STONE. White olivine-hypersthene chondrite.

Specimen:

(M.59.85.)(b.99.++) Wedge-shaped fragment, one side  
with crust

37x32x15 mm

32,2 g

ZSADÁNY       $45^{\circ}56'N.$ ,  $21^{\circ}30'E.$

Békés County, Hungary.

Synonym: Szadany.

Fell 1875, March 31,  $15-16^h$

STONE. Spherical olivine-bronzite chondrite.

Specimens:

(M.59.290.) (a.395.+) Polygonal individual, one cor-  
ner broken

47x45x42 mm

153,0 g

(M.59.142.) (a.397.++) Oval-shaped slice, two sides  
polished

31x25x12 mm

25,7 g

THE COLLECTION OF METEORITES OF THE  
HUNG. NAT. HIST. MUSEUM, BUDAPEST  
ARRANGED ACCORDING TO THE SYSTEM OF PRIOR-MASON

I. IRONS

ATAXITES

Nickel-rich ataxites  
(4 finds, 9 specimens)

Babb's Mill	San Cristobal
Cape of Good Hope	Santa Catharina

OCTAHEDRITES

Fine octahedrites  
(5 finds, 8 specimens)

Ballinoo	Persimmon Creek
Butler	Tazewell
Cowra	

Fine octahedrites  
(15 finds, 22 specimens)

Bella Roca	Laurens County
Bridgewater	Muonionalusta
Cambria	Obernkirchen
Carlton	Prambanan
Chupaderos	Putnam County
Gibeon	Rodeo
Grand Rapids	Russel Gulch
La Grange	

Medium octahedrites  
(37 finds, 71 specimens - 1 doubtful fall, 2 specimens)

Adargas	Kingston
Carthage	Kokstad
Charcas	Lenartov
Chiautla	Loket
Chulafinnee	Losttown
Coopertown	Merceditas
Descubridora	Misteca
Franceville	Mount Edith
Henbury	Niro
Joe Wright Mountain	Oroville
Juncal	Plymouth
Kenton County	Rancho de la Pila

Rhine Villa	Tarapaca
Roebourne	Thunda
Ruff's Mountain	Toluca
San Angelo	Tonganoxie
Staunton	Trenton
Swiecie	Waldon Ridge
Tamarugal	Willamette

Coarse octahedrites  
(11 finds, 46 pieces)

Bendego	Mount Stirling
Billings	Odessa
Bohumilice	Sarepta
Canon Diablo	St. Francois County
Cranbourne	Wichita County
Magura	

Coarsest octahedrites  
(1 fall, 1 specimen - 5 finds, 8 specimens)

Ainworth	Sao Juliao de Moreira
Arispe	Sikhote-Alin
Nelson County	Swiebodzin

HEXAHEDRITES

(1 fall, 1 specimen - 5 finds, 17 specimens)

Broumov	Kendall County
Coahuila	Mount Joy
Hex River Mountains	Scottsville

ATAXITES

Nickel-poor ataxites  
(3 finds, 3 specimens)

Campo del Cielo
Chesterville
Indian Valley Township

Brecciated octahedrites  
(1 fall, 1 specimen - 2 finds, 3 specimens)

Nechaevo
N'Goureyma
Zacatecas

## II. STONY - IRONS

### PALLASITES

(1 fall, 1 specimen - 12 finds, 31 specimens)

Admire	Ilimaes
Ahumada	Imilac
Bitburg	Marjalachti
Brenham Township	Mount Dyrring
Eagle Station	Mount Vernon
Finmarken	Pallas Iron
Iamysheva	

### SIDEROPHYRE

(1 find, 4 pieces)

Steinbach

### LODRANITE

(1 fall, 1 piece)

Lodran

### MESOSIDERITES

(1 fall, 7 pieces - 6 finds, 10 pieces)

Crab Orchard	Mincy
Dalgaranga	Morristown
Estherville	Vaca Muerta
Hainholz	

## III. STONES

### CHONDRITES

Enstatite chondrites  
(3 falls, 4 pieces)

Daniel's Kuil	Khairpur
Indarkh	

Olivine-bronzite chondrites  
(53 falls, 101 specimens - 7 finds, 10 specimens)

Agen	Belaia Tserkov'
Ambapur Nagla	Butsura
Bath	Canellas

Cangas de Onis	Oakley
Cape Girardeau	Ohaba
Cereseto	Okhansk
Charsonville	Pilawa Górna
Charwallas	Prairie Dog Creek
Chuvashkie Kissy	Praskolesy
Collescipoli	Pultusk
Cullison	Quenggouk
Darmstadt	Salles
Forest City	Sena
Gilgooin	Sindhri
Güttersloh	Slavetic
Hessle	Ställdalen
Higashi-Köen	St. Germain-du-Pinel
Hungen	Tabor
Indio Rico	Timokhina
Kernouvé	Tjabé
Liksna	Tomatlan
Menow	Tomhannock Creek
Misshof	Toulouse
Monroe	Trenzano
Mooresfort	Uberaba
Mornans	Velká Divina
Moti-Ka-Nagla	Veseli nad Morava
Mount Browne	Weston
Nammianthal	Zielona Góra
Nanjemoy	Zsadány

Olivine-hypersthene chondrites  
(55 falls, 140 specimens - 7 finds, 12 specimens)

Aleppo	Honolulu
Alfianello	Kaande
Apt	Kniaginia
Asco	Kyushu
Ausson	La Bécasse
Barratta	L'Aigle
Beuste	Les Ormes
Bjurböle	Lesves
Bluff	Long Island
Borkut	Luce
Cabezo de Mayo	Madaras
Chandakapur	Mainz
Chateau-Renard	Marion (Iowa)
Dandapur	Mauerkirchen
Danville	Mc Kinney
Dhurmsala	Mern
Drake Creek	Middlesbrough
Duruma	Mociu
Futtehpur	Modoc (1905)
Gambat	Mordvinovka
Grossliebenthal	Ness County
High Possil	New Concord
Holbrook	Óföhértó
Homestead	Pohlitz

Rakovka	Virba
Schönenberg	Vouillé
Sevriukovo	Waconda
Shelburne	Wold Cottage
Ski	Zaboritsa
Utrecht	Zavid
Velke Borové	Zomba

Amphoterites  
 (7 falls, 12 specimens - 2 finds, 2 specimens)

Benares	Savchenskoe
Ensisheim	Siena
Jelica	Uden
Krähenberg	Vavilovka
Lake Labyrinth	

Olivine-pigeonite chondrites  
 (4 falls, 6 specimens)

Bali	Ornans
Lance	Vigarano

Carbonaceous chondrites  
 (6 falls, 9 specimens)

Alais	Nogoya
Cold Bokkeveld	Orgueil
Migei	Renazzo

Unclassified chondrite  
 (1 fall, 1 specimen)

Minnichhof

ACHONDRIES

(Ca-poor division)

Enstatite achondrites (aubrites)  
 (3 falls, 3 specimens)

Aubres	Bustee
Bishopville	

Hypersthene achondrite (diogenite)  
 (1 fall, 1 specimen)

Shalka

(Ca-rich division)

Plagioclase-pigeonite achondrite (eucrite)  
(1 fall, 3 specimens)

Stonarov

Plagioclase-hypersthene achondrites (howardites)  
(4 falls, 5 specimens)

Frankfort  
Le Teilleul  
Pavlovka  
Zhmeni

SUMMARY OF THE COLLECTION

	Number of				Weight in grams	
	Localities		Specimens			
	Falls	Finds	Falls	Finds		
Irons	4	87	5	187	527.702	
Stony-Irons	3	19	9	45	22.692	
Stones	138	16	287	24	94.830	
Altogether	145	122	300	256		
Total	267		556		645.224	

Unidentified meteorites in the collection. As a consequence of the revision of the collection, there are 46 specimens (20 irons, 1 pallasite, and 25 stones) for an exact identification in the future. These meteorites are not included in the above summary.

THE COLLECTION OF METEORITES OF THE  
HUNG. NAT. HIST. MUSEUM, BUDAPEST  
ARRANGED ACCORDING TO COUNTRIES

E U R O P E

AUSTRIA

Mauerkirchen

Minnichhof (Malomháza)

BELGIUM

Lesves

BRITISH ISLES

High Possil  
Mooresfort

Middlesbrough  
Wold Cottage

BULGARIA

Virba

CZECHOSLOVAKIA

Bohumilice  
Broumov (Branaeu)  
Lenartov (Lénártó)  
Loket (Elbogen)  
Magura (Árva)  
Fraskolesy (Zebrák)

Stonarov (Stannern)  
Tabor  
Velká Divina (Nagydévény)  
Velke Borove (Nagy-Borove)  
Veseli n.Moravia (Wessely)

DENMARK

Mern

FINNLAND

Bjurböle

Marjalachti.

FRANCE

Agen  
Alais  
Apt  
Asco  
Aubres

Ausson  
Beuste  
Charsonville  
Chateau-Renard  
Ensisheim

Kernouvé	Mornans
La Bécasse	Orgueil
L'Aigle	Ornans
Lancé	Salles
Les Ormes	St.Germain-du-Pinel
Le Teilleul	Toulouse
Lucé	Vouillé

#### GERMANY

Bitburg	Mainz
Darmstadt	Menow
Gütersloh	Obernkirchen
Hainholz	Pohlitz
Hungen	Schönenberg
Krähenberg	Steinbach

#### HOLLAND

Uden	Utrecht
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#### HUNGARY

Ófehérvártó	Zsadány
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#### ITALY

Alfianello	Renazzo
Cereseto	Trenzano
Collescipoli	Vigarano
Siena	

#### NORWAY

Finnmarken	Ski
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#### POLAND

Pilawa Górná (Gnadenfrei)	Swiecie (Schwetz)
Pultusk	Zielona Góra (Grüneberg)
Swiebodzin (Seeläsgen)	

#### PORUGAL

Sao Juliao de Moreira
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ROUMANIA

Madaras (Mezőmadaras)  
Mociu (Mócs)

Ohaba (Veresegyháza)

SPAIN

Cabezo de Mayo  
Cangas de Onís

Sena

SWEDEN

Hessle  
Muonionalusta

Ställdalen

U.S.S.R. (+ U.S.S.R. IN ASIA)

Belaia Tserkov'	Niro (Verkhne Udinsk)
Borkut (Borkut)	Okhansk
Chuwashskie Kissy	Pallas Iron (Krasznojarsk)
Grossliebenthal (Kherson)	Pavlovka
Iamysheva (Pavlodar)	Rakovka
Indarkh	Sarepta (Krasznarmeisk)
Kaande (Oesel)	Savchenskoe
Kniaginia (Knyahinya)	Sevriukovo
Liksna	Sikhote-Alin
Migei	Timokhina
Misshof	Vavilovka
Mordvinovka (Pavlodar)	Zaboritsa
Nechaevka	Zhmeni (Zmenj)

YUGOSLAVIA

Jelica  
Slavetic

Zavid

A S I A

BURMA

Quenggouk

INDIA

Ambapur-Nagla  
Benares  
Bustee  
Butsura  
Chandakapur  
Charwallas

Dandapur  
Dhurmsala  
Futtechpur  
Moti-Ka-Nagla  
Nammiathal  
Shalka

INDONESIA

Prambanan

Tjabe

JAPAN

Higashi-Kōen

Kyushu

PAKISTAN

Gambat  
Khairpur

Lodran  
Sindhri

SYRIA

Aleppo

A F R I C A

CENTRAL AFRICAN REPUBLIC

Bali

KENYA

Duruma

MALAWI

Zomba

MALI

N'Goureyma

SOUTH-WEST AFRICA

Gibeon

UNION OF SOUTH AFRICA

Cape of Good Hope  
Cald Bokkeveld  
Daniel's Kuil

Hex River Mountains  
Kokstad

A M E R I C A

ARGENTINA

Campo del Cielo  
Indio Rico

Nogoya

BRAZIL

Bendego  
Santa Catharina

## Uberaba

CANADA

Shelburne

CHILE

Ilmaes  
Imilac  
Juncal  
Merceditas

San Cristobal  
Tamarugal  
Tarapaca  
Vaca Muerta

GUETAMALA

## Chinautla

MEXICO

Adargas  
Ahumada  
Arispe  
Bella Roca  
Charcas  
Chupaderos  
Coahuila

Descubridora  
Misteca  
Rancho de la Pila  
Rodeo  
Toluca  
Tomatlan  
Zacatecas

U.S.A.

Admire  
Ainsworth  
Babb's Mill  
Bath  
Billings  
Bishopville  
Bluff  
Brenham Township  
Bridgewater  
Butler  
Cambria

Canon Diablo  
Cape Girardeau  
Carlton  
Carthage  
Chesterville  
Chulafinnee  
Coopertown  
Crab Orchard  
Cullison  
Danville  
Drake Creek

Eagle Station	Nelson County
Estherville	Ness County
Forest City	New Concord
Franceville	Oakley
Frankfort	Odessa
Grand Rapids	Oroville
Holbrook	Persimmon Creek
Homestead	Plymouth
Indian Valley Township	Prairie Dog Creek
Joe Wright Mountain	Putnam County
Kendall County	Ruff's Mountain
Kenton County	Russel Gulch
Kingston	San Angelo
La Grange	Scottsville
Laurens County	Staunton
Long Island	St.Francis County
Losttown	Tazevell
Marion	Tomhannock Creek
Mc Kinney	Tonganoxie
Mincy	Trenton
Modoc	Waconda
Monroe	Waldron Ridge
Morristown	Weston
Mount Joy	Wichita County
Mount Vernon	Willamette
Nanjemoy	

#### A U S T R A L I A

Barratta	Mount Browne
Ballinoo	Mount Dyring
Cowra	Mount Edith
Cranbourne	Mount Stirling
Dalgaranga	Rhine Villa
Gilgooin	Roeburne
Henbury	Thunda

#### H A W A I I A N   I S L A N D S

Honolulu

TEKTITES

Billitonite

BILLITON ISLAND exact locality unknown

SW. of Borneo, Indonesia.

(M.62.60.) Nearly sphere-shaped

37x37x35 mm

61,0 g

Indochinite

HAINAN ISLAND exact locality unknown

E. of Gulf of Tonkin, China.

(M.59.75.) Angular fragment

45x33x23 mm

58,0 g

Vltavines (Moldavites)

CESKE BUDEJOVICE

Southern Bohemia, Czechoslovakia.

(M.59.148.) Flat oval-shaped

30x25x12 mm

18,7 g

DOLNI CHRASTANY

E. of Prahatice, Czechoslovakia.

(M.68.16.) 4 fragments, 15-20 mm, 7,7 6,8 6,2 5,4 g

KOROSEKY

near Vrabce, SW of Ceske Budejovice, Czechoslovakia.

(M.68.17.) 7 fragments, 10-15 mm, 3,0 2,4 2,2 2,1 g  
1,6 1,5 1,4 g

LHENICE - NOVY DVUR

E. of Lhenice, Czechoslovakia.

(M.68.14.) 6 irregular fragments,

5-15 mm,

3,6 2,8 2,1 g

1,6 1,4 1,2 g

TYN nad VLTAVA (Moldauten)

Bohemia, Czechoslovakia.

(M.59.325.)	Flat, oval-shaped		
	45x28x10 mm	20,8 g	
	Elongated teardrop		
	62x15x15 mm	15,7 g	
	Shell-fragment shaped		
	42x32x8 mm	12,8 g	
	Irregular fragment		
	25x19x15 mm	9,6 g	
	Irregular fragment with an elongated pit	30x29x10 mm	6,5 g
(M.59.66.)	Irregular pieces		
	32x32x12 mm	18,5 g	
	36x25x12 mm	16,8 g	
	36x22x8 mm	8,7 g	
(M.59.94.)	Irregular fragment		
	35x28x8 mm	14,3 g	
(M.59.123.)	Elongated specimen with parallel channels	35x22x15 mm	14,2 g
(M.59.149.)	Triangular-shaped piece		
	40x25x7 mm	12,7 g	
(M.59.150.)	Elongated specimen with parallel channels	45x15x7 mm	9,9 g
(M.59.151.)	Flat, disc-shaped piece		
	27x13x12 mm	8,1 g	
(M.59.152.)	Angular fragment		
	32x13x7 mm	6,0 g	

VRABCE

SSW. of Ceske Budejovice, Czechoslovakia.

(M.68.15.) 5 irregular fragments,

10-15 mm, 3,4 2,4 2,3 2,1 1,7 g

Exact locality unknown

(M.67.28.) Flat, oval-shaped piece

30x25x20 mm 17,8 g

(M.67.29.) Oval-shaped faceted pendant,  
partly mounted in silver

26x16x11 mm, total weight 8,1 g

PSEUDOMETEORITE

LÖBAU, Saxony, Germany. - (a.716.) Tiny fragment

1 g

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