

METEOR-CENTER ENSISHEIM PRE-SALE 2023



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CONDITIONS OF SALE

Prices are based on euros. Prices valid until June 18, 2023.

CERTIFICATE OF AUTHENTICITY

Each specimen is sold with my signed label/certificate of authenticity and if available the former owner(s) label(s) (original or copy).

PAYMENT

Payment by bank transfer only

A deposit [**acompte in french**] of 10% of the value has to be sent by bank transfer. Be informed that if you cancel your order for any reason, the deposit can't be refunded.

The remaining amount has to be sent before may 15, 2023.

Payment has to be done in euros by bank transfer. Fees for bank transfer are at the charge of the buyer.

An invoice will be edited after completion of payment.

ENSISHEIM DELIVERY EXCLUSIVELY - NO SHIPMENT

Your purchase will be delivered to you at the Ensisheim Show, at my table, in june 2023.

If you can't come, please contact someone who comes and to whom I can give your purchase. Delivery will be done when showing me the email of the confirmation of transaction.

A delivery note will be signed by you or your representative, and me indicating the completion of the transaction and the transfer of responsibility to you (or your representative).

Therefore, you (or your representative) recognize I'm no longer responsible for loss or damage to your purchase after the delivery.

You're also responsible and will have to pay any custom fees and taxes you would have to pay by yourself if you live out of European Community.

AGUAS ZARCAS

Costa Rica

10°23'29.03"N, 84°20'28.58"W

Fell April 23, 2019

CM2 carbonaceous chondrite

Total mass > 27 kg

« At 21:07 local time on 23 April 2019, a meteorite fall was reported in Aguas Zarcas, San Carlos county, Alajuela province, Costa Rica. The fireball traveled WNW to ESE and was caught on cameras of the National Seismological Network (RSN) at the summit of Poás and Turrialba volcanoes, and from the Volcanological and Seismological Observatory of Costa Rica (OVSICORI). Sightings were reported from Quepos (Central Pacific) in the south and north to La Palmera in San Carlos. » Source : Meteoritical Bulletin.

The inner parts of the analyzed specimens show chondrules on varying areal percentages, within a dark-gray to black matrix. Calcium-Aluminum rich inclusions (CAI), sub-millimetric crystals of plagioclase, olivine, and sulphide and metallic flakes are also present in the matrix. A clear fusion crust is evident in some fragments showing cooling microfractures. It is slightly magnetic and expels a particular organic-like odor. Geochemical and isotopic analyses performed at the Universities of Costa Rica, Arizona and Nuevo Mexico, among others, and the observed textural characteristics of the meteorite, indicate that it belongs to the Carbonaceous Chondrite classification

AGUAS ZARCAS

94 grams
98% crusted

9400 €

This specimen will be sold
in a protection wallet Pelicase-type.

Provenance : finder > Mark Lyon

Video of the meteorite :
<https://youtu.be/NuOLvhFQDV8>

of rocky meteorites, type CM2 which entails the presence of hydrated minerals within a fine matrix composed of carbon, and nickel-rich sulphides components. CM2 meteorites also show general compositions and oxygen isotope compositions similar to the primitive solar nebula. Carbonaceous chondrites represent only ~4% of the total recovered meteorites worldwide and they preserve the geochemical, isotopic, and mineralogical composition of the first millions of years of the history and evolution of the Solar System, making the Aguas Zarcas Meteorite an extraordinary event, and sparking national and international scientific interest.



dimensions : 7.6 x 5.2 x 2.5 cm







SHERGOTTY

India

24° 33'N, 84° 50'E

Fell august 25, 1865

Achondrite, shergottite (Mars)

Total mass : about 5 kg

The Calcutta Gazette reports in august 1866 an abstract of the 36th Meeting of the British Association for the Advancement of Science, "A stone fell from the heavens accompanied by a very loud report, and buried itself in the earth knee - deep. At that time, the sky was cloudy and the air calm, no rain. The stone has been forwarded by the government to the Asiatic Society of Bengal."

Shergotty meteorite was first kept as a meteorwrong before it was « saved » by a drug dealer in Calcutta. The story is too long to tell but you can read it in the article « The Rise of the Raj and the Fall of Shergotty ».

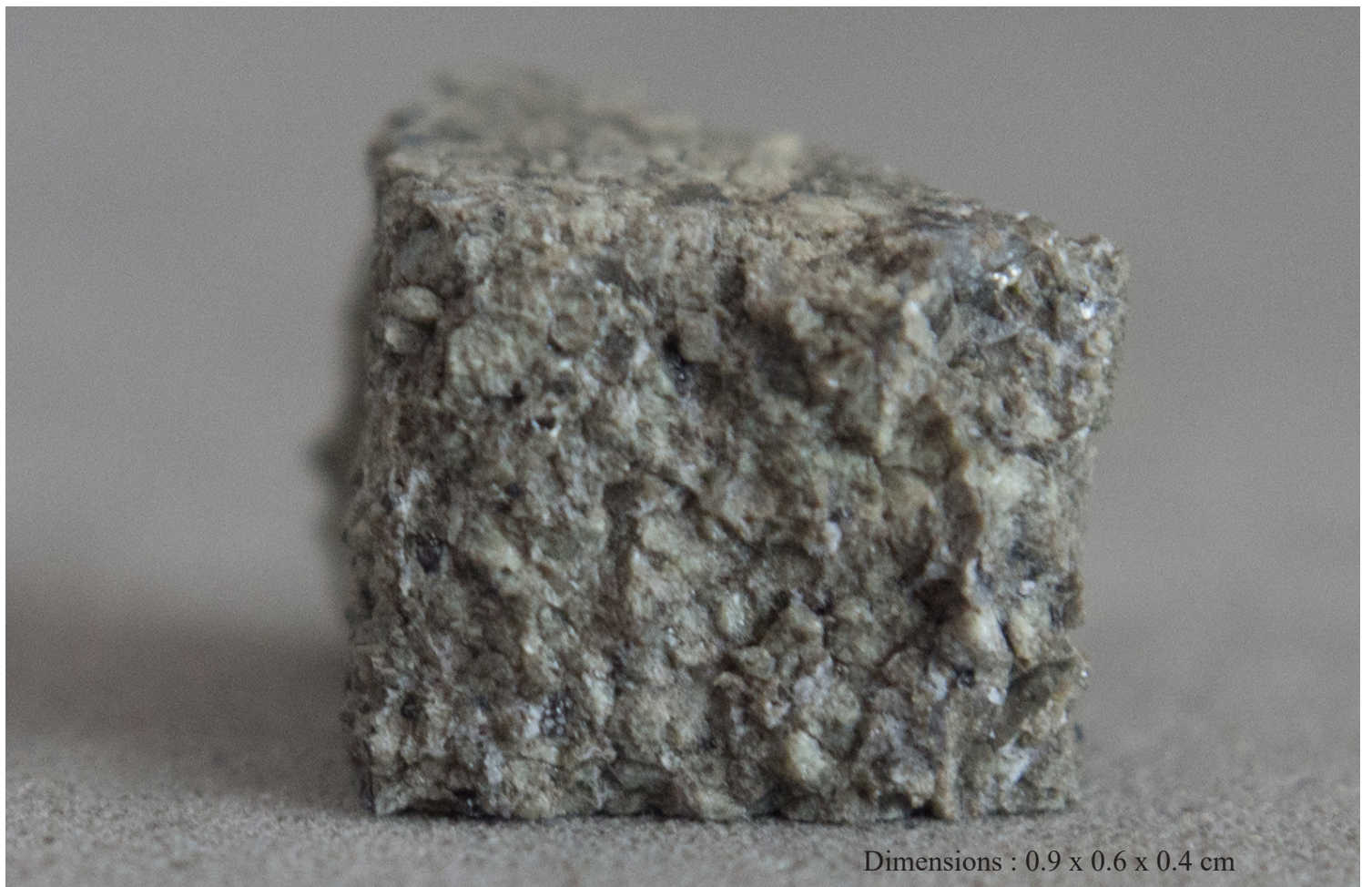
SHERGOTTY
0.5 gram fragment

5 490 €

**The type specimen of the
Shergottites (Mars) !**

Provenance : Marc Jost





DRAVEIL

France, Essonne department

48°41.2'N, 2°25.7'E

Fell July 13, 2011 at 11am

H5 chondrite

Total mass > 7.4 kg

On July 21, 2011, owners of a house in Draveil, a small town located in the southeast of Paris, contacted me. On their return from vacation on July 18, they found a hole on the roof of their attic, as their bedroom window was directly overlooking it. Two tiles were broken; the couple's son ascended the roof on the 17th and found a stone in the glass wool. After the brother of the owner of the house broke it in two, they thought immediately that this was not a common stone and they contacted me. I then called Prof. Jambon who agreed to accompany me on the spot on Friday, April 22, early in the afternoon. The stone, found near the forest of Senart, had a mass of 205.90g. As the original meteorite had been broken in two by the discoverers, a fragment was given to the Museum of Paris and the other part given to me for the collection. On September 28, Prof. Jambon analyzed the meteorite in the Museum of Natural History of Paris. It was classified as a H5 chondrite. Wishing to carry out field research and publish a press release at the conclusion of its investigations, the Museum asked us not to disclose the discovery.

Then, on Saturday, October 8, 2011, an article was published in Le Parisien newspaper. It showed a photo of Alain Carion with Martine Comette (a predestined name) and his husband. Mrs. Comette had contacted a month before a roofer to

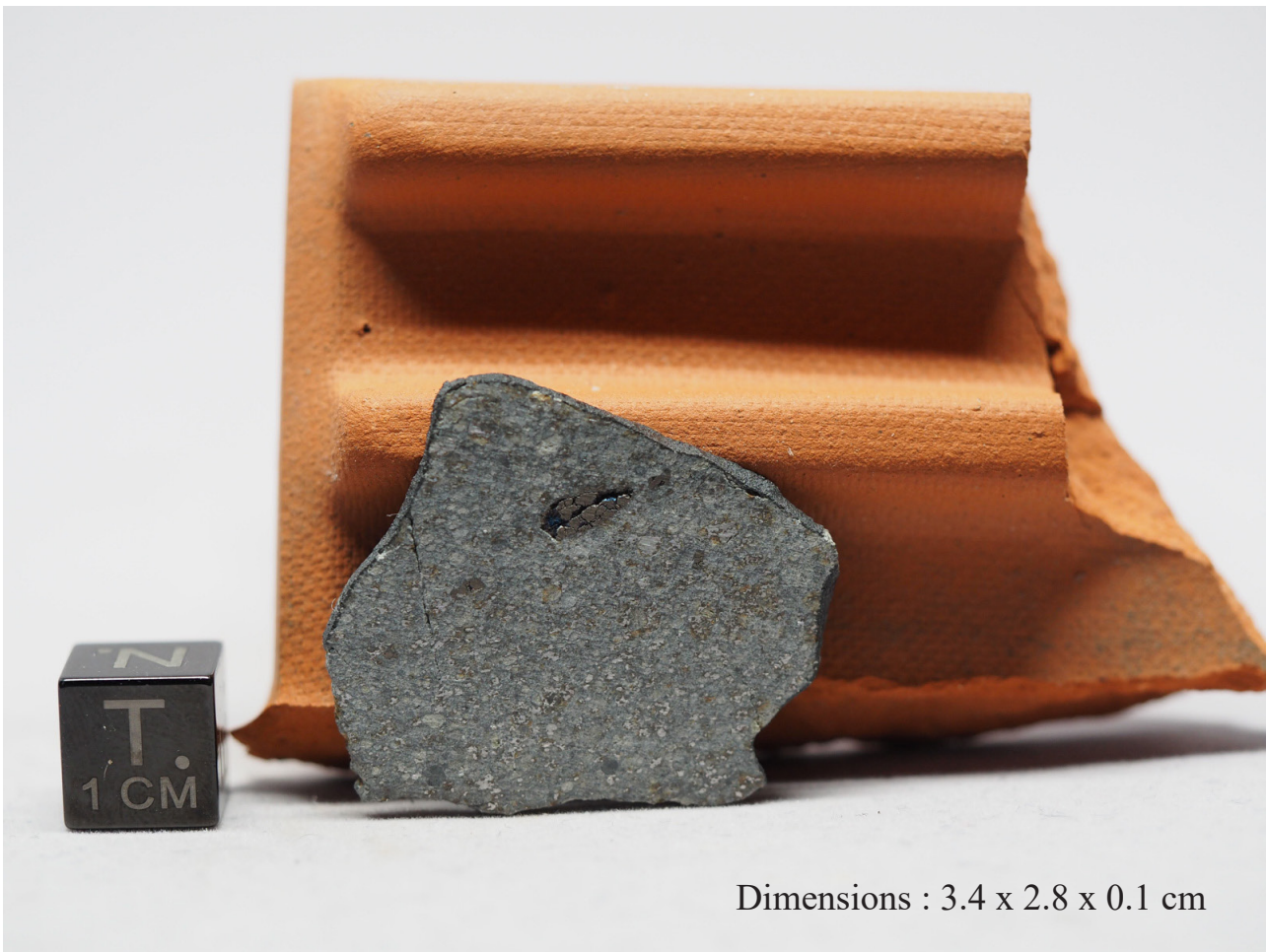
DRAVEIL

**3.66 grams full slice +
tile fragment**

1990 €

**Provenance : owner of the house
(bought one week after the fall)**

replace a broken tile on the roof of the house she rented in Draveil because she had water infiltration. A meteorite had gone through the roof and had lodged in the insulation. She then contacted Alain Carion who went immediately there with a journalist to cover the event. A stone of 88g (with fragments for an additional 17g) was found in the roof insulation. The research was revived. The owner of the house claimed the half of the meteorite to give it to the Museum. On October 14, 2011, we learned that a 5kg meteorite had been found 5 or 6 km of Draveil and authenticated by Alain Carion. This meteorite had landed on the terrace of a house, seriously damaging it. A postman was also the witness to the scene. The main mass had been discovered ! It was found later a stone of 33 grams inside the Montgeron College, and also a stone of about two kilograms in a refinery along the Seine, in Grigny. Two other specimens were found, including one that went through a car windshield and another who was thrown in the garbage by an old woman.



Dimensions : 3.4 x 2.8 x 0.1 cm





not for sale. Stone before cutting.



PUERTO LÁPICE

Spain, Castilla-La Mancha

39°21'09.42"N, 3°30'49.18"W

Fell may 10, 2007 at 7.57 pm

Achondrite, brecciated eucrite

Total mass : about 500 g

A rather massive meteor was observed in the evening of may 10, 2007 by thousands of witnesses all over Spain. It was also followed by the SPMN camera network (Spanish Meteor and Fireball Network). Unfortunately, no video was ever made public of the fireball during its fall. However, two photos of the meteor trail were taken. The SPMN calculated the trajectory within two weeks (northeast to southwest). The main fragmentation occurred at 27 km of altitude.

The Puerto Lápice strewnfield is hard to search. It begins with plowed fields and by an olive grove, vineyards and finally through a hill. Black olives on the ground make it difficult because they really resemble specimens of the meteorite. The chances to find more stones now are more than tiny; be advised to delve into the hills around the area.

The specimen of 4.03 grams in my possession was found by Mary Gerbet during an expedition in which I also participated in 2012. This is undoubtedly one of the most beautiful eucrites ever.

PUERTO LAPICE

4.03 grams individual

2790 €

**Provenance : Finder
(Fabien Kuntz)**



MILLBILLILLIE

Australia, Wiluna district

26°27'S, 120°22'E

Fell in october 1960 at 1 pm

Achondrite, monomict eucrite

Total mass : 330 kg

In October 1960 (the date is not mentioned), a very bright fireball was observed in the Australian sky by workers, F. Vicenti and F. Quadrio; a meteorite had just fallen on a plain covered with spinifex (a kind of grass), north of the fence located along the trail connecting Millbillillie to Jundee in the district of Wiluna. No search was done at that time but two stones were found in 1970 by an aboriginal man named Louis and another in 1971 by D. Vicenti. Since then, many other specimens were found in the area.

The discovery of the meteorite is unfortunately poorly documented.

An aesthetic specificities of Millbillillie is its color oscillating between orange and red in the face buried in the Australian red soil and a shiny black crust on the part remained on the surface.

MILLBILLILLIE

51.77 grams individual

1290 €

Provenance : Gary Fujihara



Dimensions : 3.5 x 2.9 x 2.9 cm



PEEKSKILL

New York state, USA

41°17'11"N 73°54'59"W

Fell october 9, 1992

H6 chondrite, monomict breccia

Total mass : 12.57 kg

Specimen in collection : 0.98 g

Dimensions : 2.2 x 0.7 x 0.015 cm

On october 9, 1992, a meteore was observed by thousands of people over the east coast of the United States, mostly around Pittsburg, Philadelphia and Washington D.C. The meteor exploded over the Kentucky then went over Virginia and Pensylvania before falling in Peekskill (New York State) through the trunk of a red Chevy Malibu owned by Mrs Michelle Knapp. It was calculated that the meteorite hit the car at a speed of 164 miled per hour, fast enough to go through the trunk and hit the ground.

Mrs Knapp had bought the car to her grandmother for 300\$ and could sold the car for 10000\$ to an american meteorite collector and dealer, Allan Langheinrich.

Before this event, the meteor was filmed by sixteen different cameras, giving amazing images. This way, scientists calculated the initial trajectory of the meteor until it entered the atmosphere. Some other stones fell but were never found.

PEEKSKILL

14.4 grams part slice with crust

8995 €

**Provenance : Al Lang >
Jurgen Norbert > Alain Carion**



PEEKSKILL

New York state, USA

41°17'11"N 73°54'59"W

Fell october 9, 1992

H6 chondrite, monomict breccia

Total mass : 12.57 kg

On october 9, 1992, a meteore was observed by thousands of people over the east coast of the United States, mostly around Pittsburg, Philadelphia and Washington D.C. The meteor exploded over the Kentucky then went over Virginia and Pensylvania before falling in Peekskill (New York State) through the trunk of a red Chevy Malibu owned by Mrs Michelle Knapp. It was calculated that the meteorite hit the car at a speed of 164 miled per hour, fast enough to go through the trunk and hit the ground.

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PEEKSKILL

3.45 grams part slice with crust

2390 €

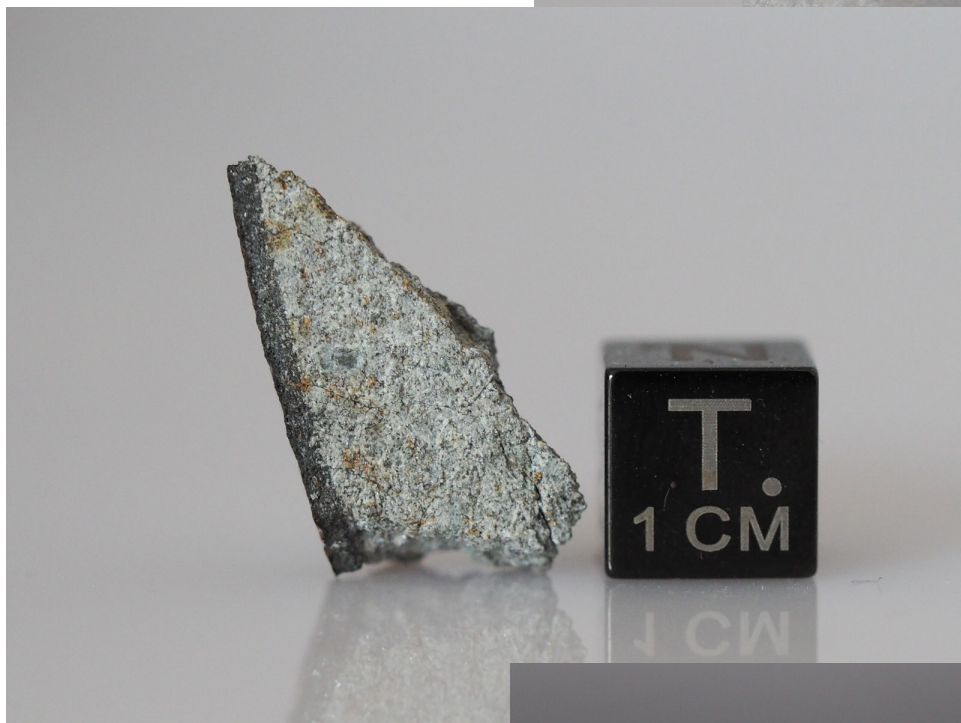
**Provenance : NEMS >
Michael Blood**

**Some red spots on the crust
but I can't confirm it is
painting from the Malibu car...**





dimensions : 2.1 x 1.2 x 0.6 cm



Seih al Mishab 002
Abu Dhabi, United Arab Emirates

State/Prov/County: Abu Zaby

Date: 2019 Jan

Latitude: 24°24.787'N

Longitude: 55°16.061'E

Mass (g): 1040

Pieces: 1

Class: H5

Weathering grade: W3

Fayalite (mol%): 18.5 (n=1)

Ferrosilite (mol%): 16.8 (n=1)

Wollastonite (mol%): 1.1

Magnetic suscept.: 4.65

Classifier: J. Gattacceca, CEREGE

Type spec mass (g): 23.7

Type spec location: CEREGE

Main mass: anonymous

Finder: anonymous

Comments: work name PM-19UAE1;
submitted by Jérôme Gattacceca

**SEIH AL
MISHAB 002**

**1018 grams individual
(main mass)**

1750 €

Provenance : Finder (me)



