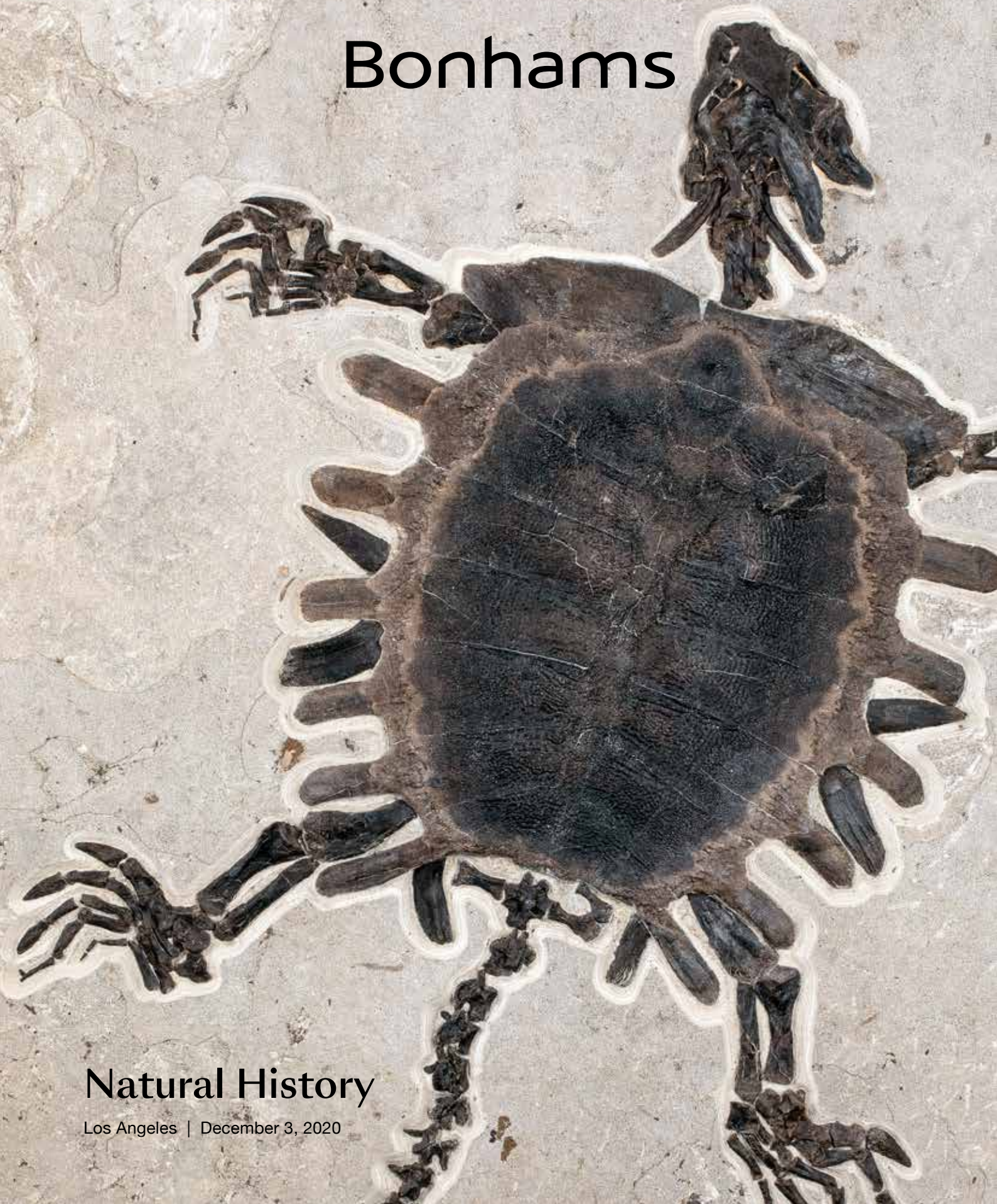


Bonhams



Natural History

Los Angeles | December 3, 2020



Natural History

Los Angeles | Thursday 3 December at 10am

BONHAMS

7601 W. Sunset Boulevard
Los Angeles CA 90046
bonhams.com

SALE NUMBER

26149
Lots 3000 - 3295

AUCTION INFORMATION

Bonded pursuant to California Civil
Code Sec. 1812.600;
Bond No. 57BSBGL0808

CATALOG: \$45

ILLUSTRATIONS

Front Cover: lot 3099
Inside Front Cover: lot 3196
Inside Rear Cover: lot 3121
Rear Cover: lot 3011

PREVIEW

Monday November 30, 12pm-5pm
Tuesday December 1, 12pm-5pm
Wednesday December 2, 10am-5pm

INQUIRIES

Tom Lindgren
Specialist
Co-consulting Director
310-469-8567
tom.lindgren@bonhams.com

Claudia Florian, G.J.G.
Co-consulting Director
323-436-5437
claudia.florian@bonhams.com

Esther Park
Administrator/Cataloguer Trainee
323-436-5437
esther.park@bonhams.com

BIDS

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Payment, Collections & Shipping: We strongly encourage contactless payment of invoices prior to collection via wire transfer or credit card through your MyBonhams account. In-person or third-party collections from our galleries are scheduled in advance with our Client Services team.

Order of Sale

Fossils.....Lots 3000 – 3126

Dinosauria.....	Lots 3000-3037
Marine Reptiles.....	Lots 3038-3040
Amphibians.....	Lots 3041-3042
Echinoderms.....	Lots 3043-3046
Crustaceans.....	Lots 3047-3051
Trilobites.....	Lots 3052-3055
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Fish.....	Lots 3075-3096
Reptiles.....	Lots 3097-3099
Arthropods.....	Lots 3100-3103
Mammals.....	Lots 3104-3107
Fossil Replicas.....	Lots 3108-3113
Paleobotany including agatized and opalized wood...	Lots 3114-3126

Copal, Amber, Curiosities and Taxidermy	Lots 3127-3152
Meteorites (listed alphabetically).....	Lots 3153-3186
Minerals (listed alphabetically).....	Lots 3187-3234
Malachite and Copper	
Related Minerals...	Lots 3235-3268
Mineral Décor.....	Lots 3269-3295

ERA	PERIOD	EPOCH	MILLION YEARS AGO
CENOZOIC	Quaternary	Holocene (Recent)	Present to 0.01
		Pleistocene (Ice Age)	0.01 to 2
	Tertiary	Pliocene	2 to 5
		Miocene	5 to 25
		Oligocene	25 to 38
		Eocene	38 to 55
		Paleocene	55 to 65
MESOZOIC (Age of the Dinosaurs)	Cretaceous		65 to 144
	Jurassic		144 to 213
	Triassic		213 to 248
PALEOZOIC	Permian		248 to 286
	Carboniferous		286 to 360
	Devonian		360 to 408
	Silurian		408 to 438
	Ordovician		438 to 505
	Cambrian		505 to 590

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Fossils

Lots 3000 - 3126



3000



3001



DINOSAURIA

3000

THERAPOD DINOSAUR TOOTH

Nanotyrannus lancensis

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

A fine theropod tooth. Theropods are a carnivorous bipedal group of dinosaurs characterized by hollow bones and three-toed limbs.

Measuring 1 x 1/2 in

\$1,000 - 1,200

To be sold without reserve

3001

DINOSAUR TOOTH

Nanotyrannus lancensis

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

A fine dinosaur tooth with good enamel and well preserved serrations.

Measuring 1 1/4 x 5/8 in

\$1,500 - 2,000

To be sold without reserve

3002

FINE DINOSAUR TOOTH

Nanotyrannus lancensis

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

A fine *Nanotyrannus lancensis* tooth exhibiting most of the enamel and serrations. *Measuring 7/8 x 1/2 in*

\$1,200 - 1,500

To be sold without reserve

3003

TYRANNOSAURUS TOOTH

Tyrannosaurus rex

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

A tooth from *Tyrannosaurus rex*, perhaps the most sought-after species in fossil collecting. Exhibiting large serrations and a short crown. *Measuring 1 1/4 x 5/8 in*

\$1,200 - 1,500

To be sold without reserve

3002



3003



3004



3005



3004

NANOTYRANNUS DINOSAUR TOOTH

Nanotyrannus Lancensis

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

A very weathered tooth with some serrations visible.

Measuring $\frac{3}{4} \times \frac{3}{8}$ in

\$800 - 1,000

To be sold without reserve

3005

TYRANNOSAURID TOOTH

Nanotyrannus lancensis

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

A tooth from a *Nanotyrannus lancensis* dinosaur. Measuring $1 \times \frac{3}{8}$ in

\$600 - 900

To be sold without reserve

3006



3006

TWO SMALL DINOSAUR TEETH

Troodontidae

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

There is no described genus and species for these mysterious prehistoric animals. They are known only from teeth and a few isolated bones from the Lance Creek and Hell Creek Formations. Measuring 9.34×4.44 millimeters and 8.92×5.24 millimeters, respectively (2)

\$300 - 500

To be sold without reserve

3007

THREE TRICERATOPS TEETH

Triceratops horridus

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

Three large *Triceratops horridus* teeth. *Triceratops* is, without doubt, one of the best known dinosaur genera from the Age of Dinosaurs.

Measuring $1 \frac{1}{2} \times 1 \frac{1}{4}$ in, $1 \frac{1}{4} \times \frac{3}{4}$ in, and $1 \frac{1}{4} \times \frac{3}{4}$ in, respectively (3)

3007



\$600 - 800

To be sold without reserve



3008

3008

UNPARALLELED OPALIZED DINOSAUR VERTEBRA

Unknown sp.

Cretaceous

Coober Pedy, Australia

Rarely seen in fossilization of dinosaur bones – or, indeed, in any fossils - opal replacement has occurred in this dinosaur vertebra (backbone) specimen. The gorgeous blue coloration and copious amount of opal make this exceptional specimen an incomparable treasure. Coober Pedy is often called the *opal capital of the world* because of the high quality of the opals found in this unique Australian locality. Far rarer than diamonds, opal is a hydrated amorphous form of silica; the natural processes which produce opal rarely occur. Here is a once-in-a-lifetime opportunity to acquire a dinosaur specimen naturally preserved in this rare material. *Measuring 2 ¾ x 2 ½ x 3 ¾ in*

\$6,000 - 8,000



3009

3009

LARGE DINOSAUR VERTEBRA

Sauropod

Jurassic

North Africa

From one of the gigantic sauropod dinosaurs – the largest land animals to have existed on Earth – this vertebra (backbone) boasts fascinating sculptural quality and interesting texture. Suitable as an addition to a vertebrate collection or as a distinguished accent for interior design, it is mounted on a custom steel stand, which can be turned for visual variety. *Measuring 11 x 7 ½ x 4 ½ in; Height, including base, measuring 20 ½ in*

\$2,000 - 3,000



3010

3010

TRICERATOPS TOOTH

Triceratops prorsus

Cretaceous

Hell Creek Formation, Montana

This 67-65-million-year-old *Triceratops* tooth, from a private ranch in the Hell Creek Formation in Montana, displays fine preservation. The specimen exhibits no restoration and is an excellent, large specimen for this species. *Triceratops* teeth grew in columns with four-to-five teeth vertically stacked, which allowed new teeth to replace old, worn teeth. A superb example of this species. *Measuring 1 ¾ x 1 1/8 in*

\$500 - 650



3011

MAGNIFICENT ALLOSAURUS CLAW

Allosaurus fragilis

Late Jurassic

This superb *Allosaurus* claw boasts exceptional preservation, size and presentation. Dinosaur claws are much more rare than dino teeth, as dinosaurs' teeth were replaced throughout their lifetimes, whereas claws were not. *Allosaurus* hand claws are much larger than *Tyrannosaurus* hand claws. A formidable predator, *Allosaurus* walked on two massive legs, possessed a huge tail, a bulky body and short arms with three-fingered hands completed by razor-sharp claws. *Allosaurus*, meaning *different lizard* was named for its unusual vertebrae, which are lighter than those of most dinosaurs. *Measuring 7 1/4 inches straight across and 9 1/2 inches along the curve*

\$20,000 - 25,000



3012

3012

DINOSAUR CAUDAL VERTEBRA ON STAND

Triceratops prorsus

Cretaceous

Hell Creek Formation, Montana

This 67-65-million-year-old *Triceratops* tail vertebra, from a private ranch in the Hell Creek Formation of Montana, displays excellent preservation and boasts no restoration. Offered on a custom steel stand. Measuring 9 3/4 x 11 3/8 in; Height including stand measures 12 3/4 inches

\$1,800 - 2,500

3013

HADROSAUR FOOT BONE

Edmontosaurus annectens

Cretaceous

Hell Creek Formation, Montana

A superb metatarsal from a large hadrosaur species of the Late Cretaceous. *Edmontosaurus* was a massive, herbivorous dinosaur with powerful legs. It was capable of running on either two or four legs. Hadrosaurs, or *duckbilled* dinosaurs, thrived during the Late Cretaceous in Europe, Asia and North America. Offered on a custom steel stand. Measuring 13 3/4 x 5 in; Height including stand: 17 1/2 in

\$1,200 - 1,500

3014

FINE NANOTYRANNUS TOOTH

Nanotyrannus lancensis

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

A fine *Nanotyrannus lancensis* dinosaur tooth. This species was first discovered in 1942 and misidentified as *Gorgosaurus*. Reclassified in 1988, scientific debate continues as to its taxonomic classification, as some paleontologists believe that *Nanotyrannus* is, in fact, a juvenile *T. rex*. Measuring 1 7/8 x 5/8 in

\$3,000 - 4,000



3014

3015^W

LARGE DINOSAUR RIB

Edmontosaurus annectens

Cretaceous

Lance Creek Formation, Wyoming

A complete rib from the massive duckbilled dinosaur species, *Edmontosaurus annectens*, has been mounted and framed in a dramatic wall display. The rib is presented in a faux matrix, which is customary in fossils from localities in which the matrix is highly friable. Fitted with a cleat system for ease of wall display. *Presentation measuring 67 x 27 in; Specimen measuring 48 in*

\$1,500 - 2,500





3016



3017



3018

3016

RARE PACHYCEPHALOSAURUS DINOSAUR HORN CLUSTER - ORIGINAL SPECIMEN, TOGETHER WITH RESEARCH QUALITY CAST

Pachycephalosaurus wyomingensis

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

A rare offering of a squamosal horn cluster from an extremely rare *Pachycephalosaurus wyomingensis* specimen found in the Lance Creek Formation of Wyoming. Its closely related genera are known as the bone-headed or dome-headed dinosaurs due their extraordinarily thick skull, which has been theorized to have been used in intraspecies competition (head-butting, as in modern rams) or for species recognition and display. As evidenced by the present specimen, numerous bony protrusions on the rear and side of its skull added to the bizarre appearance of this unique dinosaur. Growing to approximately sixteen feet in length, this biped was equipped with powerful hind limbs but small arms. The original specimen with twenty-one horns is offered along with a research quality cast which can be used for scientific purposes. *Measuring 3 x 3 x 2 in (2)*

\$25,000 - 30,000

3017

ANKYLOSAURID SPIKE

Denversaurus schlessmani

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

Tank-like herbivorous dinosaurs, ankylosaurids possessed bony plates and spikes to protect them against predators. Offered is a well preserved *Denversaurus schlessmani* spike. *Measuring 4 x 2 3/4 x 2 in*

\$1,500 - 2,000

3018

ANKYLOSAURID SCUTE

Denversaurus schlessmani

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

The bony plates, or scutes, which covered the back of ankylosaurids like armor, were designed for the protection of this herbivorous dinosaur. Offered is a large *Denversaurus schlessmani* scute. *Measuring 7 x 4 x 1 1/2 in*

\$700 - 800



3019

LARGE TRICERATOPS BROW HORN

Triceratops prorsus

Cretaceous

Hell Creek Formation, Montana

Excellent preservation recommends this 67-65-million-year-old *Triceratops* brow horn from a private ranch in the famed Hell Creek Formation in Montana. The specimen boasts no restoration and is a large specimen for this species. *Triceratops* is unquestionably one of the most popular dinosaurs known. This genus lived at the end of the Cretaceous Period, 67 million years ago, in vast herds that were thought to have fed near the shorelines of the intracontinental seaway, which isolated the western half of North America from the rest of the continent. *Triceratops* horns are formed of keratin, the same material from which human fingernails are composed. Mounted on a custom steel stand: 22 inches. Length 24 in

\$15,000 - 22,000



3020



3021



3022



3023

3020

DINOSAUR TOOTH

Presumed Gorgosaurus sp.

Cretaceous

Judith River Formation, Montana

Though its appearance is very similar to a tooth from *Tyrannosaurus rex*, this specimen is likely *Gorgosaurus*, from the acclaimed Judith River Formation of Montana. Dating to the Cretaceous, this is a large specimen, measuring well over three inches in length. The brownish, blade-like tooth displays fine serrations on both lateral edges, and the tooth boasts a classic shape with an aesthetically appealing curvature. Measuring 3 1/2 x 1 3/8 x 3/4 in

\$3,000 - 3,500

3021

ENVELODONT TOOTH WITH ROOT

Archaeotherium sp.

Oligocene

White River Badlands, Wyoming

Archaeotherium is an extinct artiodactyl genus of the family *Entelodontidae*, and a relative of the modern pig. Endemic to North America during the Oligocene Epoch (38—24.8 million years ago), it lived for approximately six million years. The present specimen is a complete tooth with root, on matrix, from this giant of the Oligocene. Measuring 3 x 2 1/2 in; Height Measuring 4 in

\$600 - 800

3022

T.REX HAND CLAW

Tyrannosaurus rex

Cretaceous

Hell Creek Formation, Montana

T. rex claws are much more rare than teeth, as individuals' teeth were replaced continuously throughout their lifetimes, but claws were not. *T. rex* is known for its curiously small arms, the use of which has inspired much scientific speculation. The present fine specimen was discovered on a private ranch in the Hell Creek Formation of Montana. Measuring 2 1/2 in

\$1,200 - 2,000

3023

LARGE THEROPOD DINOSAUR TOOTH

Carcharodontosaurus saharicus

Cretaceous

Sahara Desert, Morocco

A large, complete dinosaur tooth, of *Carcharodontosaurus saharicus*. Known as the *T. rex of Africa*, this dinosaur was a ferocious predator capable of killing large sauropods. Even though *Carcharodontosaurus* was larger than *T. rex*, most of the teeth found are only 1.5 to 2.5 inches long. This complete brown shed tooth displays excellent enamel with some of the knife-like serrations still visible. *Carcharodontosaurus* teeth are much flatter than *T. rex* teeth and were used to shred flesh rather than bite through bone. *Carcharodontosaurus* was older than *T. rex* at 70-80 million years old. The present large, impressive tooth was found in the Sahara Desert of Morocco. *Measuring 3 1/2 x 1 1/2 in*

\$900 - 1,400

3024

T.REX PREMAXILLARY TOOTH WITH ROOT

Tyrannosaurus rex

Cretaceous

Lance Creek Formation, Wyoming

This extremely rare, complete, large and pristine *Tyrannosaurus rex* premaxillary tooth boasts an excellent tip and serrations, with minor repair to the complete root. The all-important tip is intact, with excellent enamel and superb serrations. The majority of *Tyrannosaurus rex* teeth that have been found are shed teeth with the rare exception of a very few rooted specimens that were recovered where partial skeletons have been found. This impressive and rare tooth was discovered in an ancient river sediment on a private ranch in the 67-65-million-year-old *Lance Creek Formation* of Wyoming. *Measuring 5 1/4 x 1 1/4 in*

\$15,000 - 20,000



3024



3025

3025

**PARTIAL DUCKBILLED DINOSAUR
MAXILLA**

Edmontosaurus annectens

Cretaceous

Lance Creek Formation, Wyoming

Discovered on a private ranch in the 67-65-million-year-old Lance Creek Formation in Niobrara County, Wyoming, this partial dinosaur dentary boasts no restoration.

Edmontosaurus annectens was a very large herbivore that was a favorite food choice for *T. rex*. Sometimes referred to as the *cattle of the Cretaceous*, duckbilled dinosaurs such as this genus are thought to have lived in large herds. This seven-inch long section of the maxilla displays fourteen original teeth and four partial teeth, with replacement teeth forming beneath the exposed teeth. The excellent quality bone is an attractive brown color. *Measures 7 in*

\$2,000 - 3,000



3026

3026

**EDMONTOSAURUS JAWBONE WITH
TWO ADDITIONAL TEETH**

Edmontosaurus annectens

Cretaceous

Bolan Ranch, Lance Creek Formation, Wyoming

A very large hadrosaur, often known as a duckbilled dinosaur, *Edmontosaurus*, an herbivore, benefitted from dental *batteries* which contained replacement teeth. Offered is a partial *Edmontosaurus* maxilla together with two additional tooth specimens.

Teeth measuring 7/8 x 3/8 in and 1 x 1/4 in; jawbone measuring 4 1/2 x 2 1/2 in (3)

\$900 - 1,200



3027

3027

**ALLOSAURUS DINOSAUR TOOTH IN
MATRIX**

Allosaurus fragilis

Jurassic

Morrison Formation, Bone Cabin Quarry, Western Wyoming

One of the ferocious carnivores of the Late Jurassic Period, *Allosaurus* was a powerful predator which, like *T. rex*, walked on two legs. Also like *T. rex*, *Allosaurus* possessed small arms with three-fingered hands and sharp claws, and a massive tail. Offered is a nicely preserved tooth of the Jurassic meat-eater, in the original matrix. *Matrix measures 3 1/2 x 2 3/4 x 1 1/2 in; Length of tooth Measuring 1 7/8 in*

\$2,000 - 2,500



3028

MOUNTED DINOSAUR FOOT

Edmontosaurus annectens

Cretaceous

Lance Creek Formation, Wyoming

Edmontosaurus was a large, herbivorous, duckbilled dinosaur from the Late Cretaceous Period. A slow-moving dinosaur with few defenses, this dinosaur was a biped (walking on two legs) which could also walk or run on four legs. It possessed short arms, a long, pointed tail and distinctive three-toed, hoofed feet. The present specimen is an *Edmontosaurus* foot of exceptional quality, mounted on a custom metal framework. *Measuring 28 x 24 x 26 in*

\$7,000 - 9,000



3029



3030

3029

DINOSAUR TRACKS

Grallator sp.

Jurassic

France

Jurassic dinosaurs are more rare than dinos of the Cretaceous. The present specimen is an intriguing example. Known only from its footprints, *Grallator* was a small, three-toed theropod. *Measuring 17 5/8 x 10 3/4 x 3/4 in*

\$1,000 - 1,500

3030

DIPLODOCUS DINOSAUR TOOTH ON MATRIX

Diplodocus sp.

Jurassic

Morrison Formation, Bone Cabin Quarry, Western Wyoming

One of the gargantuan long-necked dinosaurs of the Jurassic Period, *Diplodocus* grew to ninety feet in length. As is evidenced by the present tooth specimen, *Diplodocus* was herbivorous. The genus was slow moving, with column-like legs. Individuals may have lived up to one hundred years. Expertly prepared and exhibited on the original matrix. *Matrix measuring 3 x 2 in; Length of tooth: 1 5/8 in*

\$3,000 - 4,000



3031

3031

LARGE TYRANNOSAURUS REX TOOTH

Tyrannosaurus rex

Cretaceous

Hell Creek Formation, North Dakota

Discovered on a private ranch, this large, thick 65-million-year-old *T. rex* tooth displays excellent enamel, typical thin planchet cracks and some interesting feeding wear on the tip. *T. rex* specimens are among those fossils most desired by collectors. The species is, without doubt, the most famous prehistoric animal of all time. Virtually all *T. rex* teeth found are shed teeth which broke off when an individual was feeding. *Measuring 2 1/2 in*

\$4,000 - 6,000



3032

MOUNTED STRUTHIOMIMUS DINOSAUR HAND

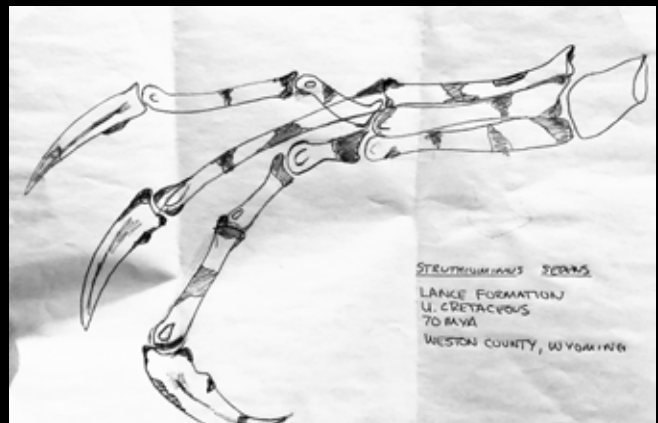
Struthiomimus sedens

Late Cretaceous

Lance Creek Formation, Weston County, Wyoming

An exemplary specimen comprising a rarely seen, virtually complete *Struthiomimus sedens* hand, mounted in a lifelike pose. As in all members of the theropod subgroup Ornithomimidae, all three fingers are nearly the same length. *Struthiomimus*, meaning *ostrich mimic*, is known from the Late Cretaceous in North America. The genus possessed a small, light, toothless skull, a slender, flexible neck and, most likely, a birdlike horny beak covering the jaws. Displaying anatomy that suggests fast, powerful running ability, a large brain cavity, sharp claws on forelimbs adapted for grasping and a likelihood that these were carnivores, *Struthiomimus* is reminiscent of the *Raptors* made famous by the *Jurassic Park* motion pictures. Ornithomimids are significant in the study of the origin of birds. The present *Struthiomimus sedens* specimen is a very complete and natural dinosaur hand with minimal restoration. *Measuring 13 x 11 x 2 1/2 in. Claws measure 3 1/2, 3 3/4 and 3 1/2 in, respectively.*

\$20,000 - 25,000





3033

3033

PAIR OF DINOSAUR TOOTH PENDANTS

Carcharodontosaurus africanensis

Cretaceous

Morocco

A fine pair of *Carcharodontosaurus africanensis* teeth set in silver as unique, aesthetically appealing pendants. Measuring 1 ½ and 2 in, respectively (2)

\$2,000 - 3,000

To be sold without reserve

3034

TYRANNOSAURUS REX PREMAXILLARY TOOTH

Tyrannosaurus rex

Cretaceous

Hell Creek Formation, Montana

Discovered on a private ranch, this is a large premaxillary tooth from an adult *T. rex*, identifiable by its smaller size relative to the teeth further back in the jaw. Premaxillary teeth are also distinguished by their two rows of serrations close together on the inner curve of the tooth versus one row of serrations on opposite sides. *T. rex*'s premaxillary teeth were used to strip meat from the bones of prey. There is no restoration to the present specimen; it exhibits most of the brown enamel surface intact and very good serrations. There is some natural feeding wear on the enamel at the tip which occurred when the individual was still alive. Measures 1 ¾ in. Riker Mount measuring 5 ½ x 4 ½ in

\$2,500 - 3,500



3034



3035

EXTRAORDINARY SPINOSAURUS FOOT

Spinosaurus aegypticus

Late Cretaceous

Kem Kem Formation, Morocco

Spinosaurus was a monstrous, unique carnivorous dinosaur which is thought to have been able to live in water as well as on land. Possessing webbed feet and crocodile-like jaws packed with deadly teeth, it was more than capable of hunting large fish in aquatic environments. On land, it probably preyed on the gigantic herbivorous dinosaurs of the Cretaceous Period. *Spinosaurus*' famous dorsal sail may have been used for heat dissipation. The present exceptional offering is the complete foot of a *Spinosaurus aegypticus* on a custom metal framework. Measuring 25 x 15 ½ x 15 ½ in. Longest claw: 3 ½ in. Longest chain of digits to claw: 26 in. Longest metatarsal 13 ½ in.

\$40,000 - 50,000



3036

HADROSAUR TAIL VERTEBRA

Edmontosaurus annectens

Cretaceous

Lance Creek Formation, Niobrara County, Wyoming

A caudal (tail) vertebra from a duckbilled dinosaur. Hadrosaurs were large herbivores known for the flattened, beak-tipped snout which was evolved for nipping off vegetation. Some scientists theorize that hadrosaurs were able to outrun *T. rex*. Measuring 22 x 9 x 8 in. Height including stand: 24 ¾ in

\$1,500 - 2,000

Offered on a custom metal stand with stone base.



3037

EXTRAORDINARY JUVENILE PTEROSAUR

Pterodactylus antiquus

Late Jurassic

Solnhofen, Germany

Pterosaurs, which belong to the order Pterosauria, were flying reptiles, not winged dinosaurs, though they co-existed with the dinosaurs until the end of the Cretaceous and became extinct at the same time. 130 valid genera, including *Pterodactylus*, are included in this order, but *Pterodactylus antiquus* is the best known. Scientific understanding of the appearance of this small flying reptile developed radically in 1998 with the discovery of soft tissue impressions on a well-preserved specimen which displayed a soft tissue crest on the back of its head, keratin sheaths on its clawed, webbed feet and hair-like fur. The present extraordinary specimen – a juvenile – is from the famous lithographic limestone of Solnhofen, Germany. *Specimen measuring 2 1/4 x 3 3/8 in; matrix measuring 9 3/4 x 11 in*

\$45,000 - 60,000



3038

MARINE REPTILES

3038

ICHTHYOSAUR BONES

Indeterminate species

Jurassic, Toarcian

Holzmaden, Germany

Vertebrae, ribs and two *belemnites* presented in their original matrix from the famous Holzmaden locality. Ichthyosaurs were marine reptiles; these dolphin-like creatures thrived in the warm, shallow seas of the Jurassic Period. *Measuring 18 ½ x 16 x 3 in*

\$1,500 - 2,000



3039 (detail)

3039^W

SPECTACULAR MARINE LIZARD

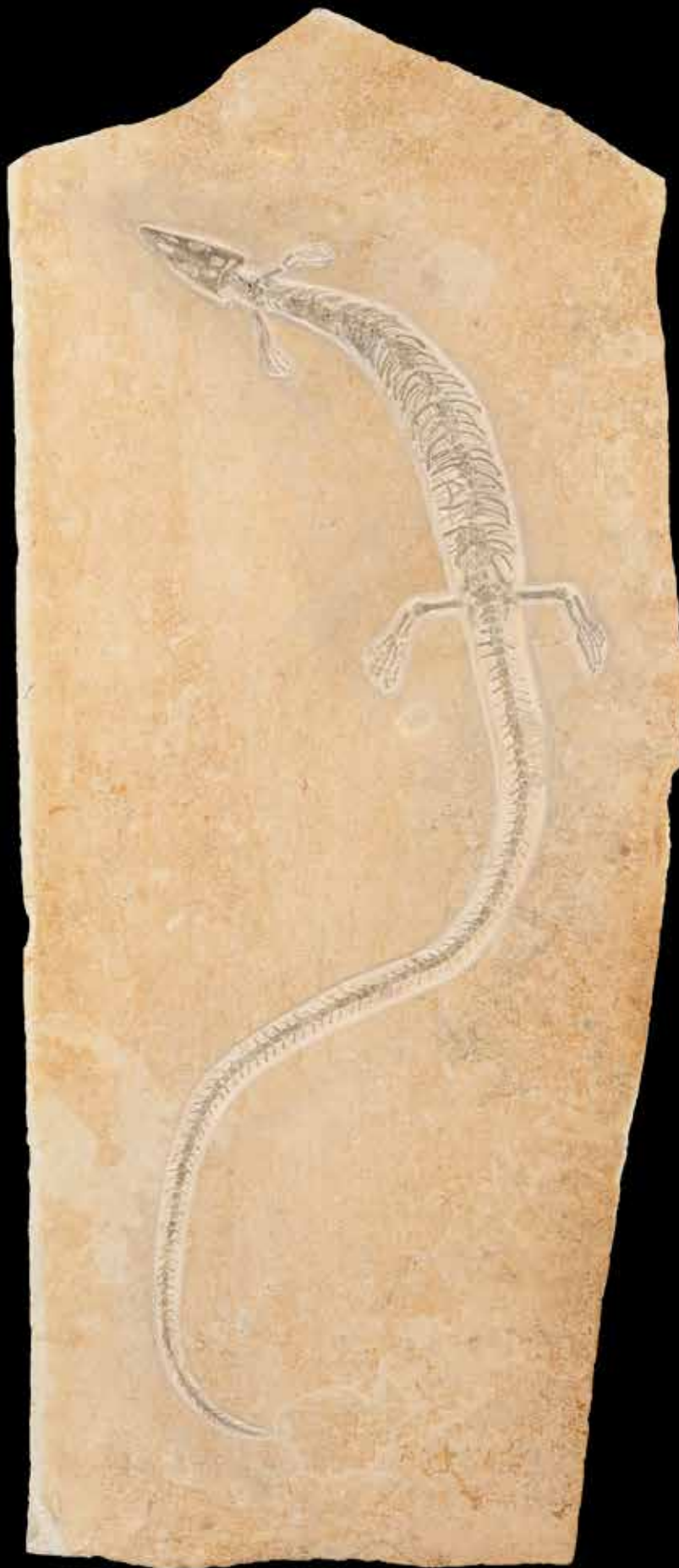
Pleurosaurus goldfussi

Jurassic, Tithonian

Solnhofen, Germany

The snakelike appearance of this rarely seen Jurassic creature is deceiving, as it is actually a marine lizard, with small legs and a swimming style similar to that of an eel. This genus belongs to an extinct group of diapsid reptiles characterized by the presence of two temporal openings in the skull; diapsids include lizards, snakes, crocodiles, dinosaurs and pterosaurs. The present specimen is notable for its large size and superb preservation. *Measuring 51 ½ x 22 in; Lizard specimen measuring 52 ½ in*

\$40,000 - 50,000



3039



3040^W

SUPERB MOSASAUR SKELETON

Halisaurus arambourgi

Late Cretaceous

Morocco

One of the most complete skeletons of its kind ever discovered, this extraordinary specimen exhibits a virtually complete skull. *Halisaurus* was a small and rather rare marine reptile which is thought to have lurked in submarine caves and cracks, practicing ambush-style predatory tactics. Like other mosasaurs, *Halisaurus* possessed pterygoid teeth, used to hold its prey in place before swallowing its victim whole. Its jaw structure evidences the exceptional flexibility required for this form of predation. Averaging 3 – 4 meters in length, *Halisaurus* was preyed upon by larger mosasaurs. Expertly mounted on a custom steel framework in a lifelike swimming pose.

Length 120 in

\$30,000 - 40,000



3040 (top view)



3041

AMPHIBIANS

3041

FOSSIL AMPHIBIAN

Sclerocephalus haeuseri

Lower Permian, Rittlingend

Odernheim, Germany

From a fossil locality which has long been closed to collectors, this primitive, well preserved amphibian specimen is over 250 million years old. Measuring 19 x 13 in

\$3,000 - 4,000



3042

3042

FOSSIL SALAMANDER

Chelotriton paradoxus

Miocene

Gracanica, Bosnia

An interesting fossil salamander from the Miocene of Bosnia. Measuring 9 1/2 x 5 1/8 in

\$600 - 800



3043

3043

FIVE STARFISH AND A CARPOID

Indeterminate species

Eocene

Sahara Desert, Morocco

Five fossilized orange starfish and one unusual carpod. Morocco's Sahara Desert, which was once an ocean, yields a wide variety of interesting prehistoric species. Measuring 13 x 8 in

\$500 - 800

To be sold without reserve



3044

GIANT FOSSIL STARFISH

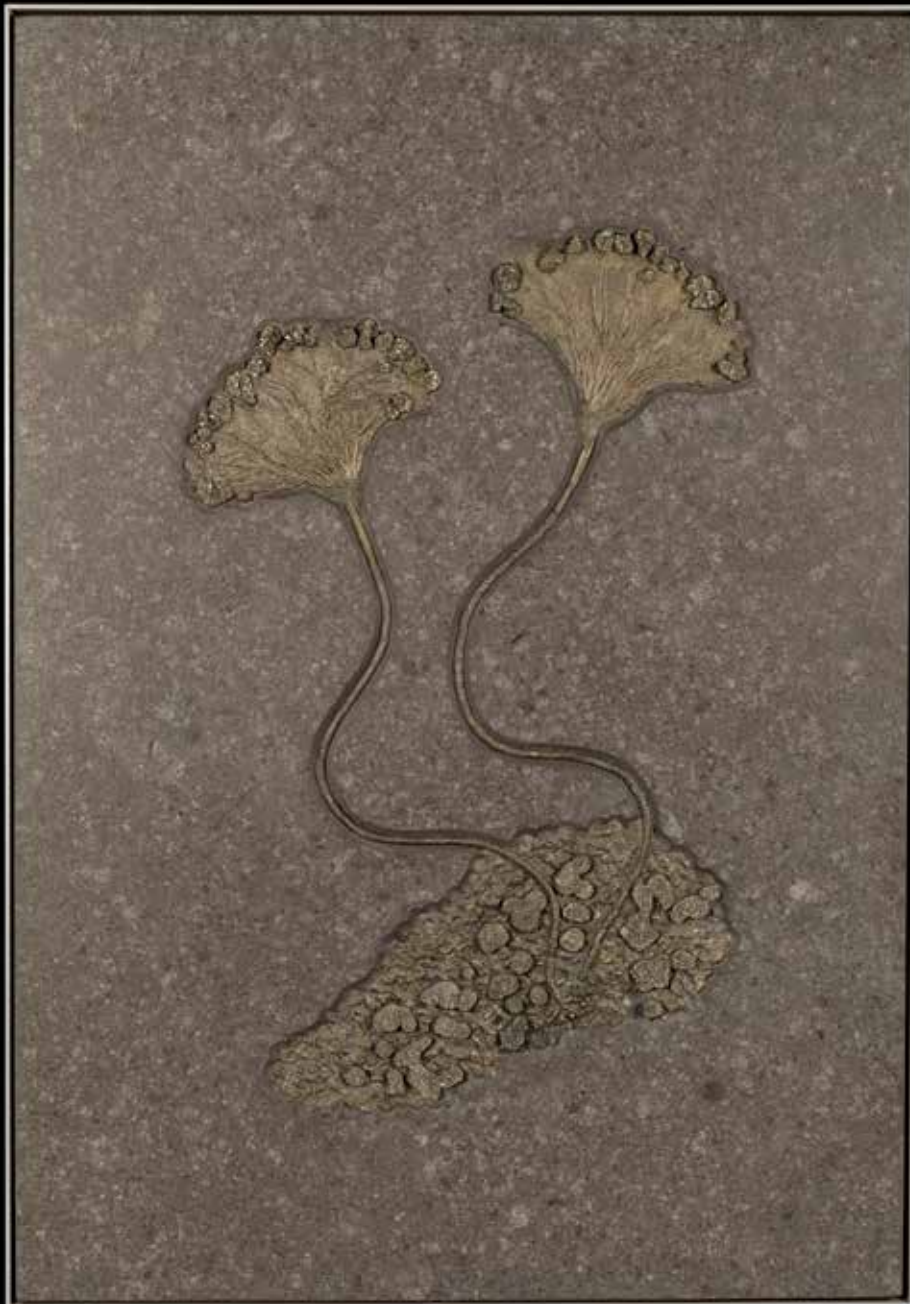
Cheiropteraster giganteus

Devonian

Bundenbach, Germany

Discovered in Bundenbach, which ranks as one of the most respected of German fossil localities, indeed, of the world, this giant Devonian starfish is over 360 million years old. The exceptional *Cheiropteraster giganteus* specimen displays an attractive pyrite replacement of the original animal. Soft-bodied creatures do not fossilize readily, hence its rarity. Measuring 18 x 17 in

\$8,000 - 10,000



3045 (detail)

3045^W

PYRITIZED DOUBLE CRINOID

Seirocrinus subangularis

Jurassic, Toarcian

Holzmaden, Germany

Gorgeous preservation distinguishes this pair of Jurassic crinoids, the natural composition of which evokes a work of contemporary art. Contrasting nicely with the deep rich shale characteristic of this famous locality, their subtle shimmer is produced by pyrite mineral replacement. Expert laboratory preparation is required to reveal these unique animals, as the densities of the matrix and fossils are quite similar. Pyrite crystals are preserved on the perimeter of the calyx. A unique presentation. *Measuring 52 x 36 3/8 in*

\$25,000 - 35,000

3046^W

JURASSIC SEA LILY

Seirocrinus subangularis

Jurassic

Holzmaden, Germany

Perhaps the most beautiful of all species to arise from the famous *Holzmaden* locality are the crinoids, commonly known as sea lilies. These delicate, plant-like life forms were actually animals, which passively fed in the warm, shallow Jurassic seas in the area now known as Southern Germany. The filter-feeders would attach to a floating object, typically driftwood (as seen preserved in the present specimen) and capture food in their delicate *calyxes*, the blossom-like portion of the body. Fitted with a cleat system for ease of display on any wall of conventional construction. Measuring 63 x 33 1/2 x 1 in

\$20,000 - 25,000





3048



3047



3049



3050



3051

3047

PLIOCENE CRAB

Macrophthalmus sp.

Pliocene

Majunga Province, Madagascar

A well-preserved crab from the genus *Macrophthalmus*, from Madagascar. Exhibiting all eight of its legs, and boasting protruding eyes and large claws, the crab has been mounted on original matrix. *Specimen measuring 7 1/4 x 2 3/4 in; Matrix measuring 9 1/2 x 4 x 3 in*

\$1,200 - 1,600

3048

SPANISH CRAB

Xanthopsis dufourii

Miocene

Huesca, Spain

A fine example of a beautiful Miocene crab species exhibiting all legs, with claws extended, mounted on matrix. Offered with a wood and acrylic display case. A wonderful display of the preparator's talent. *Specimen measuring 5 x 3 in; Matrix measuring 7 x 4 x 2 1/2 in*

\$1,000 - 1,200

3049

FOSSIL SHRIMP

Antrimpos sp.

Jurassic, Tithonian

Solnhofen, Germany

A beautifully preserved fossil shrimp from the classic lithographic limestone of Solnhofen, Germany. *Measuring 1 1/2 x 8 1/2 in*

\$1,000 - 1,500

3050

HORSESHOE CRAB

Mesolimulus walchii

Jurassic, Tithonian

Solnhofen, Germany

Mesolimulus is very rare in the fossil record; the finest examples of this genus are found in the 150-million-year-old sediments of Solnhofen. Horseshoe crabs are not crabs at all, but rather xiphosurid arthropods with blue blood, more closely related to spiders and scorpions and a close ancestor to trilobites. *Measuring 9 7/8 x 9 1/2 in*

\$1,000 - 1,400

3051

FOSSIL CRAB

Harpactocarcinus punctulatus

Eocene

Monte Baldo, Italy

This is an excellent example of the mud crab, *Harpactocarcinus punctulatus*, which belongs to the *Xanthidae* family. Collected in a quarry which is now closed, near Verona, in Northern Italy, the crab was meticulously prepared free from matrix and then remounted on matrix from the original quarry. The specimen displays intricate details. *Crab specimen measuring 4 1/2 x 3 x 4 in; Display case measuring 7 x 7 x 6 1/2 in*

\$1,800 - 2,400



3052

TRILOBITES

3052

WALLISEROPS TRILOBITE

Walliserops trifurcates

Middle Devonian

Zgaid, Morocco

Known throughout the world as the *trident trilobite*, *Walliserops trifurcates* provides a subject of academic investigation into the possible evolutionary role played by this trilobite's pronounced rostral protrusion. Theories include possibilities of its use in defense, feeding or mating. Offered is a fine example of this unique species. *Overall measurements: 4 3/4 x 3 3/4 x 1 3/8 in*

\$2,000 - 3,000



3053

3053

CYPHASPIS TRILOBITE

Cyphaspis eberhardiei

Devonian, Emsian Stage

Timrharrhart Formation, Jbel Gara el Zquilma, Southern Morocco

This rare trilobite comes from the 390-million-year-old Jbel Gara el Zquilma Formation south of Fom Zquid in Morocco. The finest trilobites from this locality are exquisitely preserved and, while several species are commercially available, their taxonomy has never been formalized. The jet-black exoskeleton of the present excellent specimen contrasts beautifully with the light color of the matrix, emphasizing the long, delicate genal and axial spines. *Overall measurements: 3 3/4 x 3 1/8 x 1 1/2 in*

\$1,500 - 2,000



3054

3054

HOPLOLICHOIDES TRILOBITE

Hoplolelloides conicotuberculatus

Late Ordovician, Early Caradocian

Vivikonna Formation, St. Petersburg Region, Russia

With its *pin-cushion* carapace, few trilobites ever unearthed can be considered stranger than this species of *Hoplolelloides*. Science is still debating over the exact function such a spine-covered outer shell may have served; the logical assumption is that it provided the animal with a degree of protection from the ever-increasing number of predators which filled the Ordovician oceans. *Overall measurements: 5 x 2 1/4 x 1 1/2 in*

\$1,800 - 2,400



3055

STUPENDOUS ISOTELUS DOUBLE

Isotelus latis

Ordovician

Quebec, Canada

One of the finest *Isotelus* trilobite specimens from Quebec, Canada ever found. Prized for both size and quality, specimens such as this are highly coveted; a double trilobite specimen of this size and quality is virtually incomparable. Discovered in the 1980's, it was part of the *George Lee Collection* of Orange County, California. Bonhams & Butterfields sold this specimen in a 2003 Natural History sale #12926, lot #443 and it subsequently remained in a private East Coast Collection. Here is the opportunity to acquire an unmatched trilobite specimen.

Trilobites Measuring 11 ½ and 9 ½ in, respectively

\$10,000 - 12,000

Provenance: Ex. George Lee Collection of Southern California.



3056



3057

AMMONITES AND CEPHALOPODS

3056^W

ORTHOCERAS PLAQUE ON CUSTOM STAND

Geisenoceras Species

Devonian

Tindouf Basin, Morocco

Three hundred fifty million years ago, these extinct relatives of the chambered nautilus flourished in a warm shallow area which covered what is now the Sahara Desert. As the shells of the creatures accumulated on the sea floor, they were buried by sediment and, over the ages, transformed into stone by physical and chemical processes. Today, this stone is quarried and polished by Moroccan craftsmen to reveal a rare glimpse of ancient life on Earth. The present specimen is a mid-size example, beautifully displayed on a custom-fitted mount. *Specimen measuring: 26 x 22 x 2 in. Height overall: 62 in*

\$1,500 - 2,000

To be sold without reserve

Provenance: Ex. Collection Mineral & Fossil Gallery of Sedona

3057

PYRITIZED AND IRRIDESCENT AMMONITE

Russia

A large Russian ammonite, with impressive ribs and unique preservation, with some pink iridescent nacre apparent on one side and visible golden pyrite to some areas. *Measuring 9 1/4 x 8 1/2 x 2 in*

\$300 - 500



3058

FINE MULTI-COLOR IRIDESCENT AMMONITE

Placentiaceras costatum

Upper Cretaceous

Bearpaw, St. Mary's River, Alberta, Canada

Distinguished by the excellent state of preservation of its nacre, the present ammonite has a multitude of hues predominating in vermillion red, orange, green, yellow and to the reverse side, even flashes of purplish-blue. A fine cabinet-size specimen with excellent aesthetics.

Measuring 10 x 8 1/2 x 1/2 in

\$7,000 - 9,000

Accompanied by a certificate of authenticity from Canada Fossils, Ammonite #5 (1157) .



3059



3059

FOSSIL SQUID - PART/COUNTERPART

Plesioteuthis prisca

Jurassic, Tithonian

Solnhofen, Germany

Fortuitously preserved on a cleavage plane, two squid specimens in one were uncovered. Known from the famous lithographic limestone of Solnhofen, Germany, this genus is from an extinct group of squids first described in 1859. Measuring 16 ¼ x 10 ½ in (2)

\$1,800 - 2,400

3060

IRIDESCENT AMMONITE

Placenticerus meeki

Upper Cretaceous

Bear Paw, St. Mary's River, Alberta, Canada

Having large areas of iridescent red nacre present, this is an attractive ammonite suitable for cabinet display. Measuring 9 x 7 x 2 1/2 in

\$1,500 - 2,000

3061

RUSSIAN AMMONITE

Proaustraliceras

Jurassic

Volga River, Ulianovsk Region, Russia

One side of this Jurassic ammonite exhibits attractive iridescent mother-of-pearl with soft-hued undertones, while the opposite side is covered by the original matrix. A natural, attractive exhibit specimen. Measuring 10 x 7 ¾ x 3 in

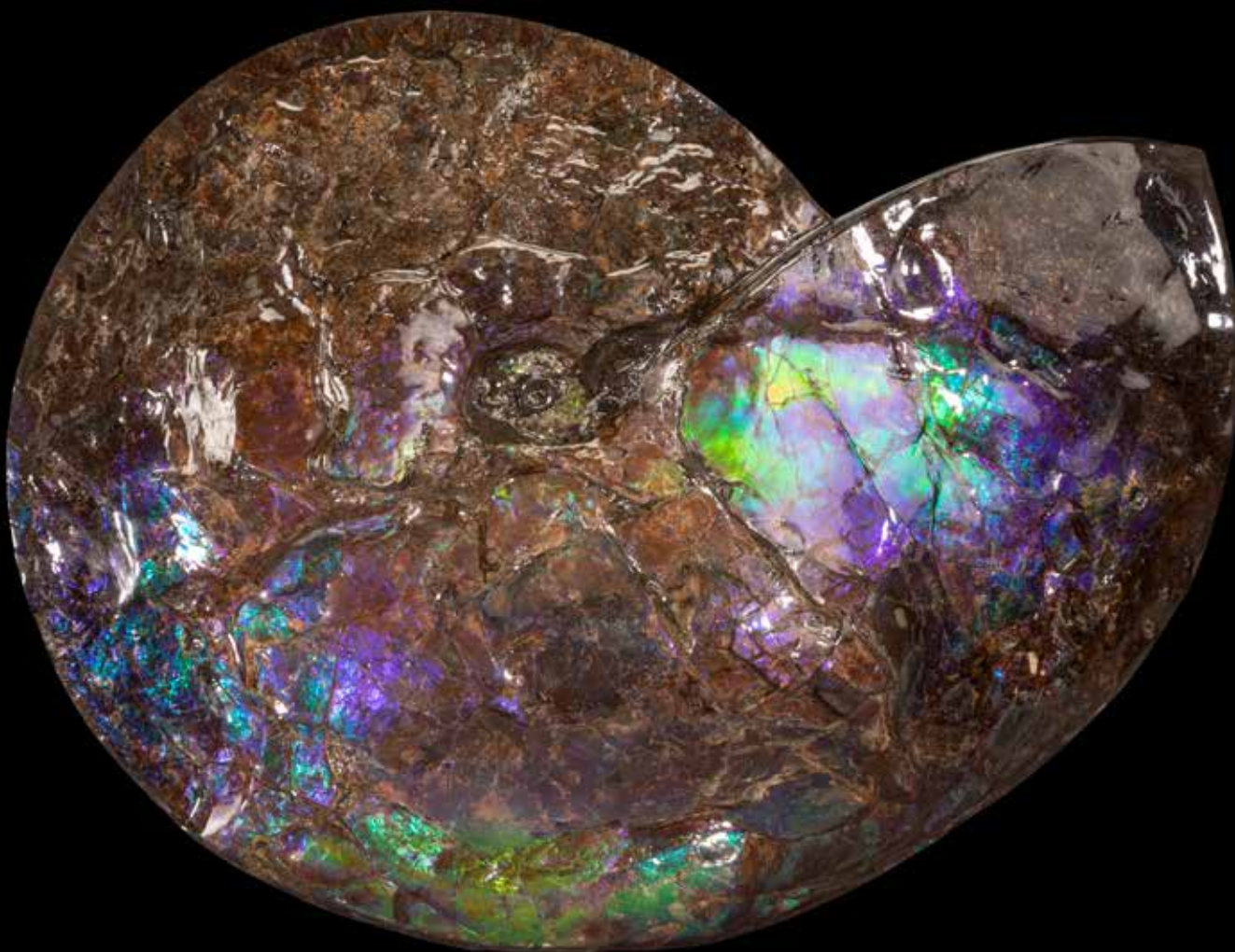
\$800 - 1,200



3060



3061



3062

SPECTACULAR LARGE AMMONITE WITH RARE BLUE COLORATION

Placenticerus meeki

Cretaceous

Bearpaw Formation, Alberta, Canada

Rarely is such splendid blue coloration seen in ammonites from this Canadian locality. Coveted by collectors the world over, the stunning and varied palette of the finest specimens from the Bearpaw Formation is not seen in ammonites from other localities. The present specimen is nicely inflated; most examples are crushed from millions of years of pressure and heat. Here is an acquisition worthy of a fine invertebrate collection. *Measuring 20 x 16 x 3 in*

\$18,000 - 25,000



3063



3064

3063

HORIZONTAL AMMONITE GROUP

Lytoceras sp., *Olcostephanus* sp., *Phylloceras* sp.
Morocco

Three discrete genera of Moroccan ammonites prepared in an aesthetic group, on matrix, with a horizontal presentation. *Measuring 23 x 14 in*

\$2,000 - 2,500

To be sold without reserve



3065

3064

MULTIPLE AMMONITE SPECIES ON MATRIX

Peltoceras, *Hectioceras*, *Perisphinctes*

Jurassic

Montreuil-Bellay, France

Three genera of ammonites are seen in this attractive presentation on matrix from Montreuil-Bellay, France. *Measuring 13 ¾ x 15 in; Diameter of largest ammonite measuring 8 in*

\$2,000 - 2,500

3065

ABERRANT AMMONITE

Ancyloceras

Cretaceous

Morocco

Aberrations in fossils are prized by collectors, not only for their uniqueness, but also because they open opportunities for further study of species. Offered is an aberrant ammonite from Morocco. *Measuring 13 x 7 in*

\$500 - 800

To be sold without reserve



3066

AFRICAN AMMONITE GROUP ON MATRIX

Emericeras alpinum, *Anclyoceras vandenbeeki*

Cretaceous, Lower Barremian

Agadir, Morocco

An aesthetically pleasing sculpture-like group of heteromorphic ammonites on matrix. Ammonites are important index fossils because of their wide geographic distribution and their rapid evolution. Ammonites went extinct at the end of the Cretaceous Period, along with the dinosaurs. *Measuring 31 1/2 x 28 1/2 x 7 in*

\$8,000 - 11,000



3067



3068



3069

3067

VERTICAL AMMONITE GROUP

Lytoceras sp., *Olcostephanus* sp., *Phylloceras* sp.
Morocco

Three discrete genera of Moroccan ammonites prepared in an aesthetic group, on matrix, with a vertical presentation.

Measuring 22 x 20 in

\$2,000 - 2,500

To be sold without reserve

3068

AMMONITES WITH BELEMNITES

Hammatoceras sp.; *Indeterminate species*
Jurassic

Belmont, France

From the Jurassic Period of France, offered are attractive examples of ammonites and belemnites. Measuring 19 x 12 x 5 1/2 in

\$800 - 1,000

3069

HETEROMORPH AMMONITE ON BASE

Emericiceras sp.

Cretaceous, Lower Barremian

Agadir, Morocco

An individual heteromorphic ammonite on stone base. Ammonites evolved approximately 416 million years ago and went extinct at the end of the Cretaceous. Measuring 18 x 13 1/2 x 7 in

\$1,200 - 1,400



3070

SPINY HETEROMORPH AMMONITE GROUP

Emericiceras alpinum, *Ancyloceras vandenbeeki*

Cretaceous, Lower Barremian

Agadir, Morocco

This impressive piece exhibits three heteromorphic ammonite specimens with spines, from two discrete genera. A large, dramatic exhibit specimen with exceptional aesthetic presence.

Measuring 26 x 25 x 13 in

\$8,000 - 11,000



3071

3071

IRIDESCENT AMMONITES ON MATRIX

Caloceras johnstoni

Lower Jurassic

Somerset, Southwest England

Displaying stunning contrast to their original gray shale matrix, these ammonites, varying in size from 1 to 4 ½ inches, display an amazing iridescence. *Measuring 22 ½ x 16 in*

\$2,000 - 2,500



3072

3072

TALL HETEROMORPH AMMONITE GROUP

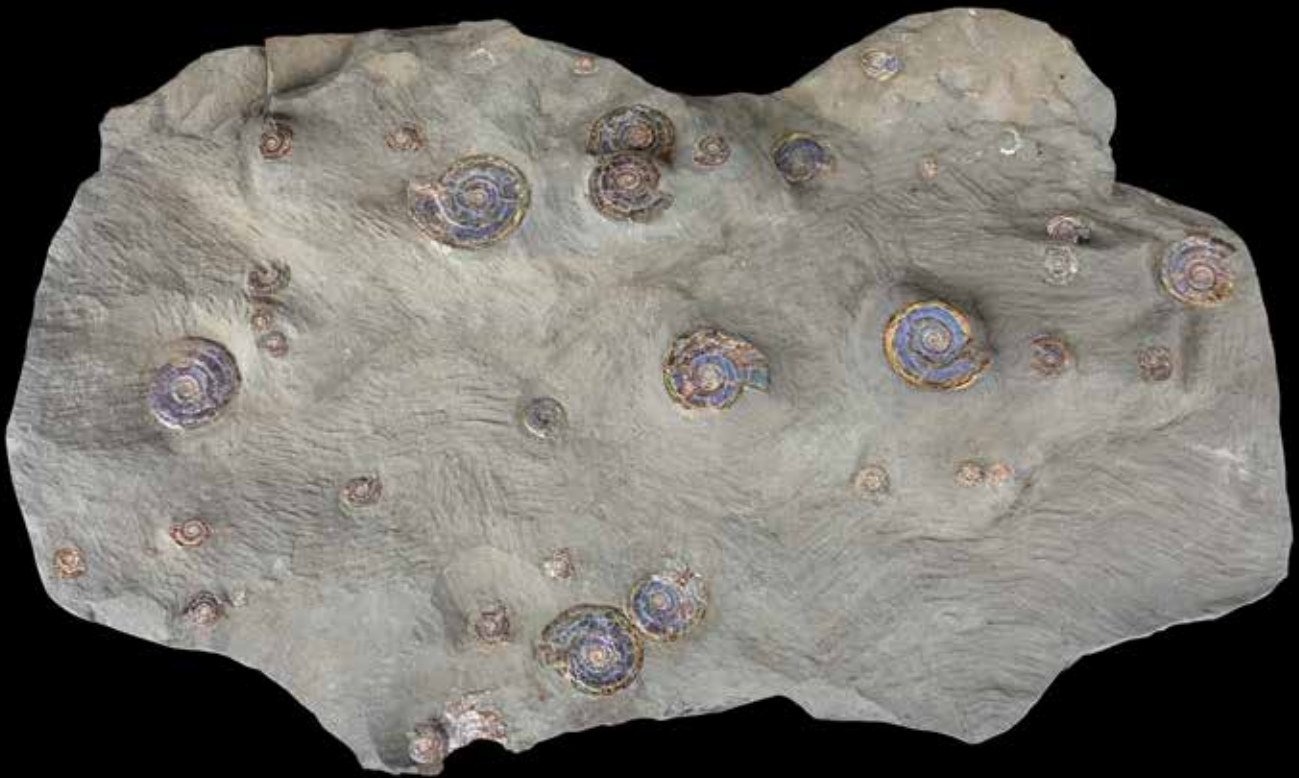
Audolliceras sp.

Cretaceous, Lower Barremian

Agadir, Morocco

A tall sculpture-like group of heteromorph ammonites boasts an enormous *Audolliceras* as the focal point. Ammonites are important index fossils because of their wide geographic distribution and their rapid evolution. Ammonites were highly successful marine animals which became extinct at the end of the Cretaceous Period, along with the dinosaurs. *Measuring 46 x 24 x 7 in*

\$8,000 - 11,000



3073

3073

AMMONITES IN MATRIX

Psiloceras sp.

Early Jurassic

Somerset, England

Striking iridescence is seen in these attractive English ammonite specimens contrasting with their original matrix. The individual ammonites range in size from 1 to 2 ½ inches. *Matrix measuring 26 x 16 in*

\$2,500 - 3,200

3074

VERY LARGE NAUTILUS

Cenoceras sp.

Early Jurassic

Lyme Regis, Dorset, United Kingdom

A massive *nautiloid*, professionally prepared within the original matrix, makes for an impressive decorative display. *Cenoceras* is an extinct genus within the cephalopod mollusk family, Nautilidae. The famous Lyme Regis locality is the birthplace of paleontologist Mary Anning, who discovered the first articulated plesiosaur and strongly influenced scientific thinking about prehistoric life and Earth history. *Measuring 13 ½ x 11 x 6 in*

\$6,000 - 7,000

Offered on a custom metal stand.



3074



3075

FISHES

3075

LEBANESE GUITARFISH

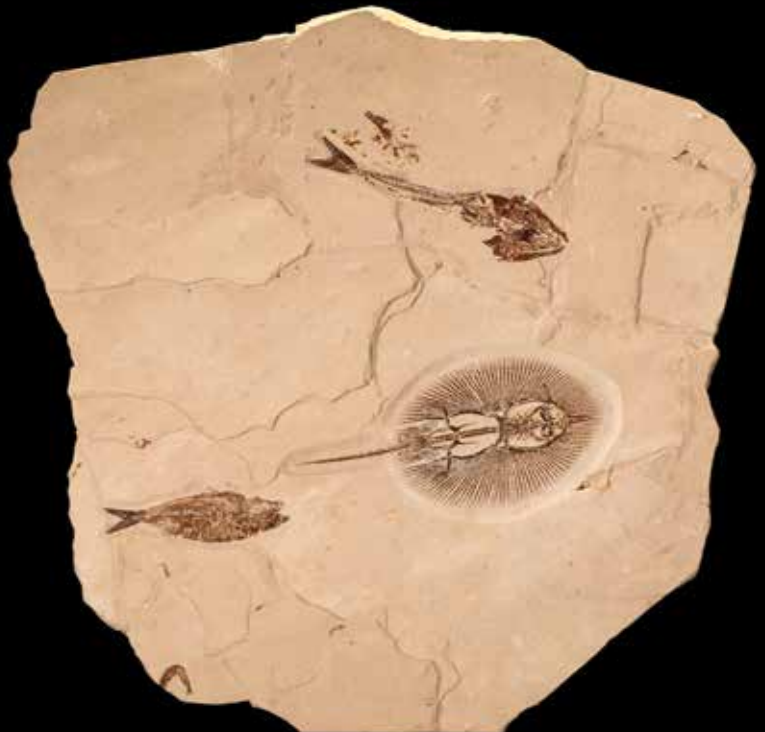
Rhombopterygia maronita

Cretaceous

Lebanon

Cartilage does not preserve nearly as well as bone, yet this specimen displays amazing preservation of the soft tissues. Fossil skates of any type are uncommon. This is one of the eight known species of guitarfishes from the Late Cretaceous localities of Lebanon. *Measuring* 14 $\frac{3}{4}$ x 7 $\frac{1}{2}$ in; *Specimen measuring* 12 $\frac{3}{8}$ x 2 $\frac{1}{2}$ in

\$2,000 - 3,000



3076

3076

CRETACEOUS STINGRAY WITH FISH

Cyclobatis major, *Rhynobatos whitfieldi*, *Armigatus*

Cretaceous

Lebanon

The flora and fauna of the fine-grained Lebanese *lagerstätten* sediments are among the finest preserved anywhere in the world. This piece presents a wonderful stingray, *Cyclobatis major*, alongside a guitarfish, *Rhynobatos whitfieldi*, accompanied by the smaller *Armigatus*. A marvelous display specimen. *Measuring* 19 $\frac{1}{2}$ x 19 $\frac{1}{2}$ x $\frac{5}{8}$ in

\$3,500 - 5,000



3077

3077

GUITARFISH WITH FISHES

Rhombopterygia maronita, *Eurypholis boissieri*, *Paleobalistum* sp.
Cretaceous

Lebanon

In a rare association of Cretaceous marine fauna, three discrete genera are seen in this presentation. A superb guitarfish, *Rhombopterygia*, has been preserved with a rare fish, *Paleobalistum*, and a smaller predatory fish, *Eurypholis*, in original matrix. Measuring 25 x 23 x 1 in; Guitarfish measuring 17 1/2 in

\$6,000 - 8,000



3078

3078

CRETACEOUS SAWFISH

Libanopristis hiram

Late Cretaceous, Cenomanian

Byblos, Lebanon

The sawfish, as seen in the present well preserved *Libanopristis hiram* specimen, possess a snout stretching into a rostrum laterally holding small teeth. The pectoral fins, well developed, join the rostrum and the head is not individualized from the body. This family, which is not directly related to the present-day sawfish, is localized in the Cretaceous; no recent relatives exist. Along with the dinosaurs, *Libanopristis* disappeared at the end of the Cretaceous. Measuring 28 1/2 x 10 3/4 x 1/2 in; Specimen measuring 25 x 6 1/4 in

\$3,000 - 4,000



3079

3079

LARGE JURASSIC FISH

Caturus furcatus

Jurassic

Solnhofen, Germany

Very large for its species, this fish from the Jurassic Period is surrounded by stunningly beautiful dendrites on lithographic limestone from the famous Solnhofen, Germany locality. Measuring 28 x 26 1/2 in

\$2,500 - 3,500



3080

EXCEPTIONAL JURASSIC RAY-FINNED FISH

Pachycormus bollensis

Jurassic

Holzmaden, Germany

Boasting amazing preservation of fins, and large size, this spectacularly well-preserved Jurassic fish from the famous Poseidon Shales of Germany is a rare find. An extinct species of ray-finned fish, a 30-inch *Pachycormus bollensis* is uncommon for this geologic formation. Fossils from this locality require numerous hours of laborious, detailed laboratory preparation, as the fossils and the matrix are of similar densities. Measuring $35 \frac{7}{8} \times 20 \frac{1}{2} \times 1 \frac{3}{8}$ in

\$20,000 - 25,000



3081

GIANT FISH SKULL FROM KANSAS

Xiphactinus audax

Cretaceous

Niobrara Formation, Kansas

When dinosaurs roamed the landmasses, the monstrous *Xiphactinus* menaced the intracontinental seaway which separated the western third of North American from the rest of the continent. *Xiphactinus* was the largest bony fish to have ever inhabited the planet. The present magnificent *Xiphactinus* skull specimen boasts gorgeous preservation, including nicely preserved, formidable teeth and several vertebrae. It has been mounted in a faux matrix, a customary display method for fossils from this locality due to the highly friable nature of the matrix in which these treasures are found. *Measuring 37 1/4 x 25 x 4 in*

\$12,000 - 16,000

Offered in a custom wood frame.



3082

FOSSIL GARFISH

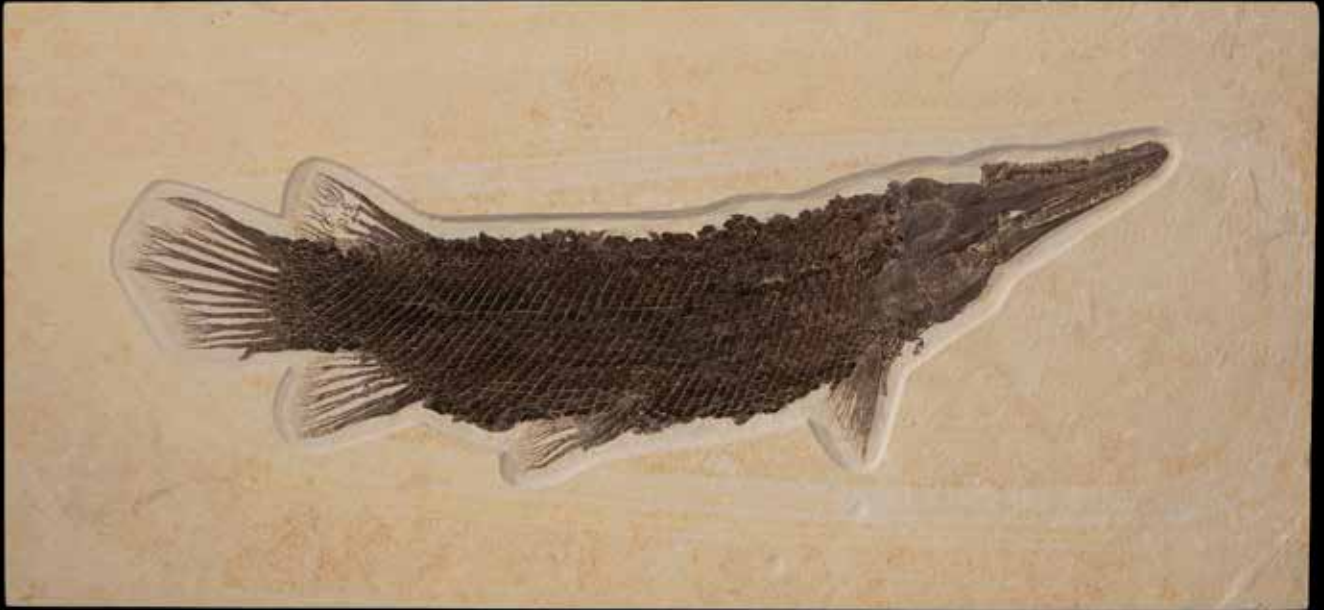
Lepisosteus bemsis

Eocene

Green River Formation, Fossil Butte Member, Lincoln County, Wyoming

Boasting beautifully preserved fins and the fascinating ganoid (diamond-shaped) scales characteristic of the genus, this marvelous specimen has been fastidiously prepared in beautiful limestone matrix backed with wood. *Lepisosteus* is a rare genus from the Green River Formation. Here is a covetable example discovered in the *bottom capping* layers just beneath the famous *18-inch layer*. Interestingly, gasses in the belly of this specimen, prior to fossilization, caused the specimen to partially explode, helping to reveal the spinal column of this rare fish. Framed in wenge wood and fitted with a cleat system for ease of wall display. *Measuring 40 x 23 in; Length of specimen: 33 1/4 in*

\$10,000 - 15,000



3083

STUNNING GARFISH

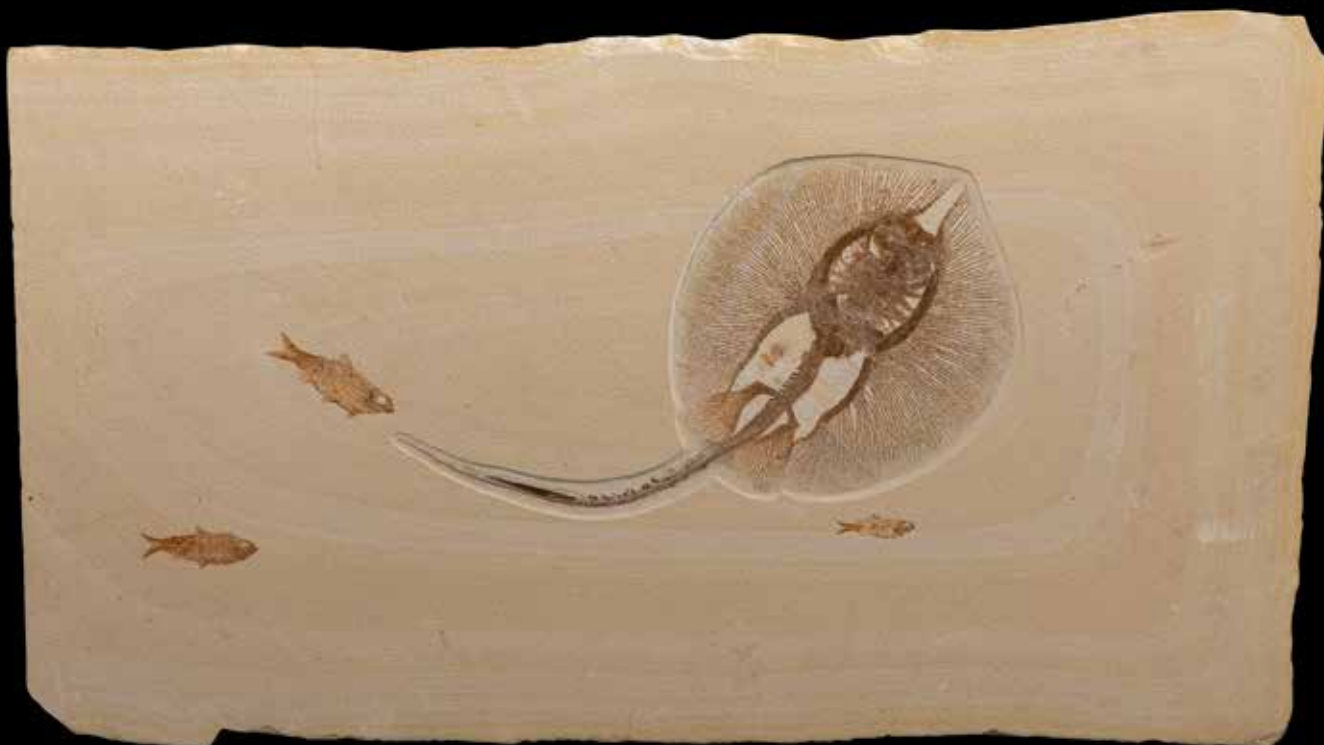
Lepisosteus bemisi

Eocene

Green River Formation, Fossil Butte Member, Lincoln County, Wyoming

Boasting beautifully preserved fins and the fascinating ganoid (diamond-shaped) scales characteristic of the garfish, this marvelous specimen has been laboriously prepared and inlaid into an attractive limestone matrix backed with wood. *Lepisosteus* is a rare genus from the Green River Formation. Here is a covetable example. *Matrix measuring 16 1/2 x 36 in; Specimen measuring 28 1/2 in*

\$12,000 - 14,000



3084



3084 (details)

3084

LARGE STINGRAY WITH FISH

Heliobatis radians, *Knightia eocaena*

Eocene

Green River Formation, Fossil Butte Member, Lincoln County, Wyoming

Fine preservation in the most minute details is seen in this marvelous freshwater stingray from the prehistoric system of three lakes known as the Green River Formation. The attractive golden-hued limestone matrix is from the F-2 Horizon of this famous geologic formation. The present large stingray is accompanied by three *Knightia eocaena* fish, the state fossil of Wyoming. The limestone matrix is offered with a wood backing. *Matrix measuring 43 x 24 in; Stingray measuring 22 1/2 x 11 in*

\$8,000 - 10,000

3085^W

MASS MORTALITY FOSSIL FISH MURAL

Knightia eocaena

Eocene

Green River Formation, Wyoming

Mass mortalities are natural presentations of numerous individuals which expired and were preserved at the same time. The system of three deep prehistoric lakes of the Green River Formation was subject to geologic cataclysms such as landslides, earthquakes and sudden temperature inversions, any of which could have caused the death of the large number of fossil fish specimens seen in the present piece. This is a fascinating and beautifully preserved moment in time. A total of 45 *Knightia eocaena*, ranging in size from from 4 1/4 to 5 1/2 inches, are naturally occurring in the limestone slab. Fitted with a cleat system for display on any wall of conventional construction. *Measuring 47 x 56 in*

\$15,000 - 20,000



3085



3086



3087



3088

3086

LARGE FOSSIL FISH ON MATRIX

Phareodus encaustus

Eocene

Green River Formation, Fossil Butte Member, Lincoln County, Wyoming

The fishes of the Green River Formation are famous for their fine preservation. This is owing to the cold, anoxic (lacking oxygen) lake bottoms of the system of three prehistoric lakes comprising this geologic formation. The members of the family Osteoglossidae are related to the modern pirhana and exhibit plentiful needle-like teeth attesting to their predatory habit. Framed in wenge wood and fitted with a cleat system for ease of wall display. *Measuring 29 x 18 1/2 in; Length of specimen: 23 1/4 in*

\$3,000 - 4,000

3087

UNCOMMON EOCENE FISH

Hiodon falcatus

Eocene

Green River Formation, WY

A rarely seen species, this large specimen, a 9-inch *Hiodon falcatus*, attests to the fine preservation for which the Green River Formation is known. Over 50 million years old, the individual lived in a freshwater environment in a subtropical climate during the Eocene; the fossiliferous limestone sediments are located in the high desert of what is now Southwestern Wyoming. *Matrix measuring 13 1/2 x 8 1/8 in; Specimen measuring 9 x 3 1/2 in*

\$2,000 - 3,000

3088^W

MARVELOUS FOSSIL FISH MURAL

Diplomystus dentatus, Mioplosus labracoides, Priscacara serrata, Cockerellites liops, Knightia eocaena

Eocene

Green River Formation, Fossil Butte Member, Lincoln County, Wyoming

This superb limestone mural, boasting five species of Early Eocene fossil fish, has been assembled to create a dramatic underwater scene portraying larger fish chasing schools of smaller fish. As demonstrated by the present exceptional specimens, the Green River Formation yields some of the world's most finely preserved fossils. Fossils from this area are removed from the ground using many of the same backbreaking techniques as those used a century ago when the formation was discovered, employing the use of hammers and chisels to remove each layer of sedimentary rock by hand. Exacting laboratory preparation, using small handheld pneumatic tools, removes the limestone matrix to reveal the breathtaking treasures within. Framed in exotic wenge wood and fitted with a cleat system for ease of display on any wall of conventional construction. *Measuring 109 3/4 x 67 x 4 3/4 in; Largest fish specimen measuring 18 in*

\$20,000 - 30,000



3089

3089

FOSSIL FISH ASPIRATION

Diplomystus dentatus

Eocene

Green River Formation, Fossil Butte Member, Wyoming

One of the finest aspiration examples ever to come to auction, this piece captures a rare moment in prehistoric time: A 52-million-year-old fish died while eating a prey fish. Aspirations are a phenomenon rarely seen in the fossil record. This exceptional example records a *Diplomystus dentatus* choking on another *Diplomystus* nearly half its length. The piece was meticulously prepared under a microscope. Framed in exotic wenge wood and fitted with a cleat system for ease of wall display. Accompanied by a certificate of authenticity. *Measuring 28 1/2 x 14 3/4 in; Larger fish Measuring 19 in*

\$7,500 - 10,000

3090

MULTIPLE FOSSIL FISH PLATE

Mioplosus labracoides, Diplomystus dentatus

Eocene

Green River Formation, Wyoming

Two genera are represented by *Mioplosus labracoides* and *Diplomystus dentatus* individuals in this expertly prepared and highly decorative mural. Framed and cleated for ease of wall display. *Measuring 43 1/4 x 24 1/2 in*

\$1,000 - 1,500



3090



3091^W

SUPERB FOSSIL FISH MURAL

Diplomystus dentatus, *Phareodus encaustus*, *Cockerellites liops*,
Priscacara serrata

Eocene

Green River Formation, Fossil Butte Member, Lincoln County,
Wyoming

Known the world over as a *fossil lagerstätte*, an accumulation of fossils representing a cross section of an entire ecosystem, the Green River Formation yields spectacularly well preserved 52-million-year-old specimens and is especially well known for its fine fossil fishes. In the present marvelous piece, four distinct fish species appear to swim playfully in a prehistoric limestone *aquarium*. The large number of *Cockerellites liops* preserved in the limestone suggests a mass mortality of this relative of the modern bass. Framed in tropical walnut and cleated for ease of display on any wall of conventional construction. *Measuring 78 x 54 in; Largest fish specimen measuring 18 in*

\$10,000 - 15,000



3092

3092

LARGE MEGALODON TOOTH

Carcharocles megalodon

Miocene

South Carolina

Boasting well-preserved serrations and an intact root, this large tooth also exhibits attractive rich, tan coloration. Most teeth found from this species are only 3-4 inches in height. *Carcharocles megalodon* was the largest shark that ever lived. Estimating the length of a shark at about ten feet in length to every one inch of tooth, the formidable behemoth to which this tooth belonged would have measured over fifty feet in length. *Measuring 5 1/4 x 4 1/4 in*

\$1,500 - 2,500



3093

3093

MASSIVE MEGALODON TOOTH

Carcharocles megalodon

Miocene

Indonesia

From the largest shark species, indeed, the largest fish species, to ever inhabit the planet, this stupendous *Carcharocles megalodon* tooth is larger than most discovered from this prehistoric behemoth. Measuring over six inches in height, this tooth belonged to an individual with an amazing estimated length measuring over sixty feet. Adding to its appeal is an attractive mahogany coloration. *Carcharocles megalodon*, which thrived in the warm, shallow seas of the Miocene and Pliocene Epochs, may have gone extinct due to the onset of the Ice Age, when the seas shrunk, the polar ice caps grew and ocean temperatures declined. *Height 6 in; Width 4 1/4 in*

\$6,000 - 8,000



3094

3094

FINE MEGALODON TOOTH

Carcharocles megalodon

Miocene

Georgia

A well preserved, robust *Carcharocles megalodon* tooth displaying attractive gray coloration. Perhaps no prehistoric marine creature ignites the popular imagination so intensely as this species, which is well known as the largest shark species ever to have inhabited Earth. *Carcharocles megalodon*, thrived in the warm, shallow seas of the Miocene and Pliocene Epochs and went extinct at the onset of the Ice Age, when the seas shrunk, the polar ice caps grew and ocean temperatures declined. *Length 5 in; Width 4 in*

\$3,000 - 4,000



3095



3096

REPTILES

3095

MEGALODON TOOTH

Carcharocles megalodon

Miocene

Georgia

A well preserved *Carcharocles megalodon* tooth displaying superb serrations and an attractive tan coloration. The gigantic genus grew to the size of a typical school bus. Because of its immensity, perhaps no prehistoric marine creature ignites the popular imagination so intensely as *Carcharocles megalodon*, which is well known as the largest shark species ever to have inhabited Earth. *Measuring 4 1/4 x 3 in*

\$2,000 - 2,500

3096

MEGALODON TOOTH

Carcharocles megalodon

Miocene

South Carolina

A well preserved *Carcharocles megalodon* displaying attractive black coloration. Mature *megalodons* were the apex predators of their time, though juvenile individuals would have been preyed upon by large marine creatures. *Carcharocles megalodon* means *giant tooth* - a moniker that is more than apt, as the enormous species' teeth are almost three times the size of the contemporary great white shark's. *Measuring 5 x 4 in*

\$3,000 - 3,800



3097

3097

FOSSIL TORTOISE

Stylomys

Oligocene

White River Badlands, Wyoming

A small, superbly prepared tortoise from the White River Badlands has been professionally prepared in three dimensions. *Measuring 8 x 6 1/2 x 3 in*

\$800 - 1,000



3098



3099 (detail)

3099^W

SPECTACULAR EOCENE TURTLE

Axestemys byssinus

Eocene

Green River Formation, Fossil Butte Member, Lincoln County, Wyoming

Superb preservation and beautiful natural coloration recommend this magnificent, very large turtle specimen from the famed Green River Formation in Wyoming. Its awe-inspiring size is matched only by its fine detail and astounding completeness. Recently named by science, *Axestemys byssinus*, a species of soft-shelled turtle, reached the greatest size of the Green River Formation turtles. The soft-shelled turtle family lived through the Cretaceous and survived the K-T extinction event, which caused the demise of the dinosaurs and most other terrestrial species on Earth. Framed in tropical walnut and fitted with a cleat system for ease of display on any wall of conventional construction. *Measuring 85 1/2 x 71 3/4 in; Length of turtle specimen measures 61 1/2 in*

\$200,000 - 300,000

3098

PERMIAN REPTILE PLATE

Claudiosaurus germani

Late Permian

Sakemena Formation, Madagascas

Three fine specimens of this rare reptile species prepared in their original matrix. *Claudiosaurus*, not a dinosaur but rather a reptile, is an extinct diapsid (a group characterized by the presence of two temporal openings in the skull, including the lizards, snakes, crocodiles, dinosaurs and pterosaurs.) A freshwater reptile, it is known from the *Permian* of Madagascar. About the same size as a modern marine iguana, *Claudiosaurus* possessed a long tail, large webbed feet and a small head. *Largest specimen measures 25 1/2 in; Matrix measuring 33 x 20 3/4 in*

\$12,000 - 15,000



3099



3100



3101

ARTHROPODS

3100

DRAGONFLY PAIR - PART/COUNTERPART

Tarsophlebia minor
Jurassic, Tithonian
Solnhofen, Germany

The delicate features of insects such as dragonflies are seldom seen in the fossil record. The present offering comprises a part/counterpart presentation of an individual dragonfly. *Measuring 10 1/4 x 11 1/2 in (2)*

\$1,000 - 1,500

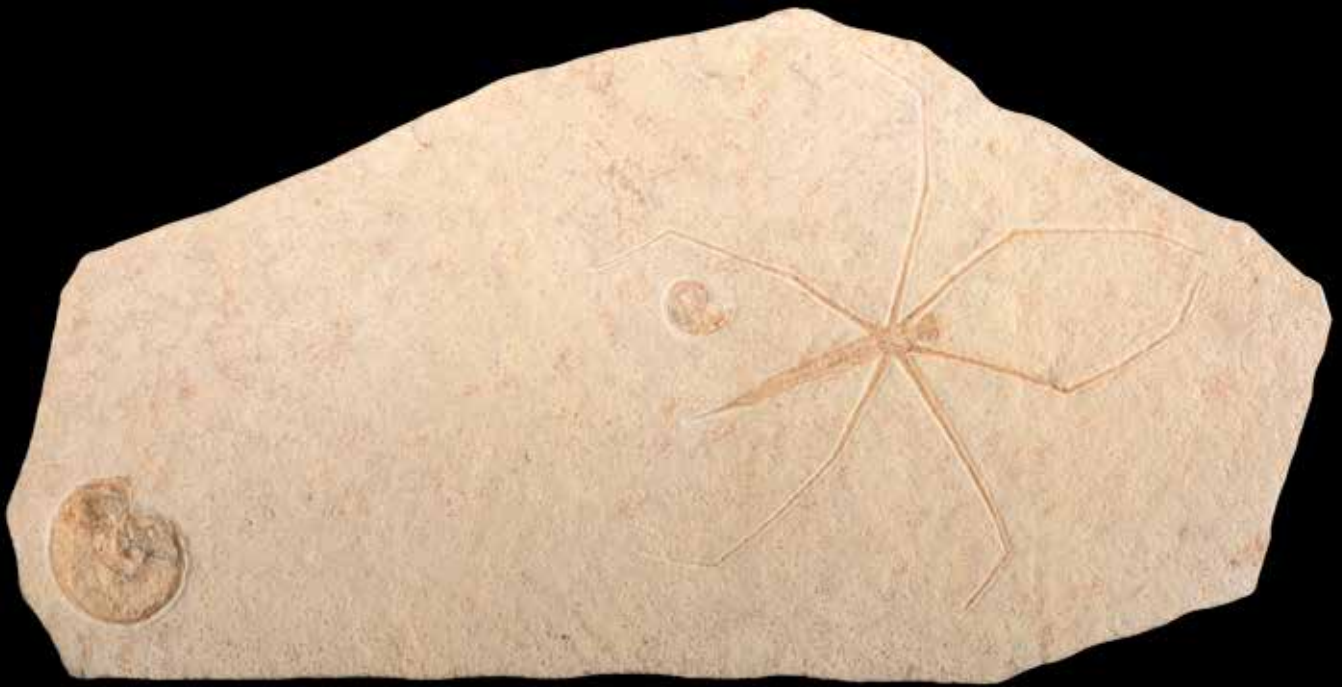
3101

DRAGONFLY

Stenophlebia latreilli
Jurassic, Tithonian
Solnhofen, Germany

Very fine preservation reveals intricate wing veins, a remarkable attribute for any fossilized insect. Dragonflies are one of the most delightful types of fossils found in the famed sediments of Solnhofen. The wings of the present remarkable specimen measure 3 7/8 inches across. *Measuring 8 3/8 x 7 1/8 in*

\$1,200 - 1,500



3102

3102

WATER STRIDER

Chresmoda obscura
Jurassic, Tithonian
Solnhofen, Germany

The extinct *Chresmoda obscura* is a long-legged insect which was most likely capable of striding along the surface of the waters, in the shallow lagoons of the Jurassic Period. Here is a nicely preserved example. Measuring 15 x 7 ¾ in

\$1,800 - 2,400



3103

3103

DRAGONFLY WITH CRYSTALS

Aeschnogomphus
Jurassic
Solnhofen, Germany

Quartzite crystal mineral replacement in the eyes, a well-defined head and amazing wing detail and body segments distinguish this fine dragonfly specimen discovered in the *lithographic limestone* sediments of the famous Solnhofen, Germany locality. Matrix measuring 6 ½ x 6 in; Length of dragonfly measuring 3 in

\$1,200 - 1,800



MAMMALS

3104

SABERTOOTHED CAT SKULL

Hoplophoneus

Oligocene

White River Formation, Wyoming

Sabertoothed cat specimens are among the most exciting and recognizable of the Ice Age fauna. Most prized of all are skull specimens from these apex predators, which display the saber-like teeth from which the popular name of these genera derives. *Hoplophoneus* is an extinct genus of the Nimravidae family which flourished in North America during the Late Eocene to Oligocene Epochs, 38-33 million years ago. The present specimen is a very fine skull boasting most of the original teeth and very little restoration.

Measuring 6 ¾ x 5 ½ x 3 ¾ in

\$9,000 - 12,000



3105^W

SPECTACULAR WALL-MOUNTED WATER BUFFALO SKULL

Bubalus paleokerabau

Pleistocene

Southeast Asia

With horns measuring a magnificent eight feet along the curve, this dramatic prehistoric water buffalo specimen, from the last ice age, would be equally at home as a distinguished focal point in an interior design scheme or in a fine fossil collection. Popularly known as a *kerabau*, *Bubalus paleokerabau* was closely related to the modern Asian water buffalo. During the Pleistocene, as woolly mammoths ruled the ice age tundras, *Bubalus paleokerabau* thrived in Southeast Asia. Measuring 65 x 51 x 35 in

\$7,500 - 10,000



3106

3106

TITANOTHERE SKULL DENTITION ON STAND

Brontotherium sp.

Oligocene

White River Badlands, Wyoming

An extremely large palate view of this massive *Oligocene* mammal displaying complete dentition, mounted on a custom steel and stone display stand. *Measuring 27 x 21 1/2 x 6 1/2 in*

\$2,500 - 3,500

To be sold without reserve



3107

3107

LARGE GROUND SLOTH FINGER

Paramylodon harlani

Pleistocene

Alachua County, Florida

This large ground sloth finger includes the largest hand claw of a *Paramylodon harlani* individual. Used in defense and foraging, the formidable, slightly curved claw measures 5 1/4 inches. Ground sloths in North America grew to great size before becoming extinct. *Paramylodon harlani* rose to more than seven feet in height at the hips and weighed almost two tons. Housed in a 12 x 8-inch Ryker Mount. *Length 10 x 2 x 1 in*

\$800 - 1,200



RESEARCH QUALITY CASTS

3108^W

LARGE TEXAS AMMONITE – RESEARCH QUALITY CAST

Parapuzosia sp.

Cretaceous

Duck Creek Formation, Texas

A museum quality cast of one of the largest ammonite specimens ever collected in North America. Mounted on an attractive custom steel base, this piece is eminently suitable as an impressive decorative focal point, or as a marvelous display piece to be placed in a distinctive fossil collection. *Parapuzosia* is an extinct genus, members of which typically reach two feet in diameter. Here is an impressive example.

Measuring 66 x 50 in

\$4,000 - 5,500



3109

3109^W

**MASSIVE AMERICAN MOSASAUR SKULL
– RESEARCH QUALITY CAST**

Mosasaurus tylosaurus prorigor

Cretaceous

Nebrara Chalk Formation, Western Kansas

A formidable skull from one of the largest North American mosasaur specimens ever collected has been professionally molded to produce a fine research quality cast. The massive specimen was fortuitously preserved in a dorsal/lateral compression, allowing viewing of the numerous large teeth of both the upper and lower jaws. Four cervical vertebrae were also discovered with the magnificent specimen. *Measuring 64 x 29 x 3 in*

\$1,500 - 2,000



3110

3110

**LARGE SABER-TOOTHED CAT SKULL –
RESEARCH QUALITY CAST**

Smilodon californicus

Pleistocene

La Brea Tar Pits, Southern California

Among the most famous apex predators of all time are the ferocious saber-toothed cats. Known for their fascinating saber-like canine teeth, these extinct catlike carnivores belonged to either the extinct family *Nimravidae* or the subfamily *Machairodontinae* of the cat family. Offered is a museum quality cast of a large saber-toothed cat skull from the famed La Brea Tar Pits in California. *Measuring 13 x 12 x 9 in inclusive of stand*

\$400 - 600

To be sold without reserve

Offered on a custom stand.



3111^W

**ARTISTICALLY RENDERED MEGALODON
JAW WITH CAST TEETH**

Carcharocles megalodon

Miocene

South Carolina

Carcharocles megalodon is the largest shark, as well as the largest fish, that ever lived. Its name, meaning *giant tooth* is more than apt, as the huge shark's teeth are almost three times the size of the contemporary great white shark's. The enormous apex predator, which thrived in the warm, shallow seas of the Miocene and Pliocene Epochs, may have gone extinct due to the onset of the Ice Age, when the seas shrunk, the polar ice caps grew and ocean temperatures declined. Offered is a museum-display-ready representation of *megalodon* jaws with teeth cast from original *Carcharocles megalodon* teeth. Measuring 79 x 72 x 36 in

\$7,500 - 10,000

To be sold without reserve



3112^W

TYRANNOSAUR SKELETON - RESEARCH QUALITY CAST

Tyrannosaurus bataar

Cretaceous

Asia

An impressive display piece, this fully mounted tyrannosaur skeleton was meticulously produced of cast bones taken from a mold of the original specimen. *Tyrannosaurus bataar* is often called the *T. rex* of Asia: Both possessed the unmistakable bone-crushing jaws and teeth of the carnivore, powerful rear legs and famously small arms. However, *T. rex* ranged in North America while *Tyrannosaurus bataar* flourished in Asia. Both were apex predators of the Late Cretaceous Period. The skeleton has been mounted on a custom steel framework. *Length 23 feet; Width 43 in; Height at hip 90 in*

\$35,000 - 50,000





3113

**RARE ANKYLOSAUR SKULL – RESEARCH QUALITY CAST
REPLICA**

Zuul crurivastator

Cretaceous

Judith River Formation, Montana

This formidable ankylosaur skull cast represents a new species from one of the most complete ankylosaur skeletons ever found. The discovery represented the type specimen of the species and was the first time a skull and club tail from the same ankylosaur were found together. Armored dinosaurs persisted until the end of the Cretaceous, when the extinction of all dinosaurs occurred. A successful group of mainly herbivorous (vegetarian) dinosaurs, they first appeared in the Early Jurassic Period. *Measuring 16 ½ x 18 ½ x 13 in; Height, including base: 18 ¼ in*

\$2,800 - 3,800



PALEOBOTANY INCLUDING AGATIZED AND OPALIZED WOOD

3114^W

PALM FROND

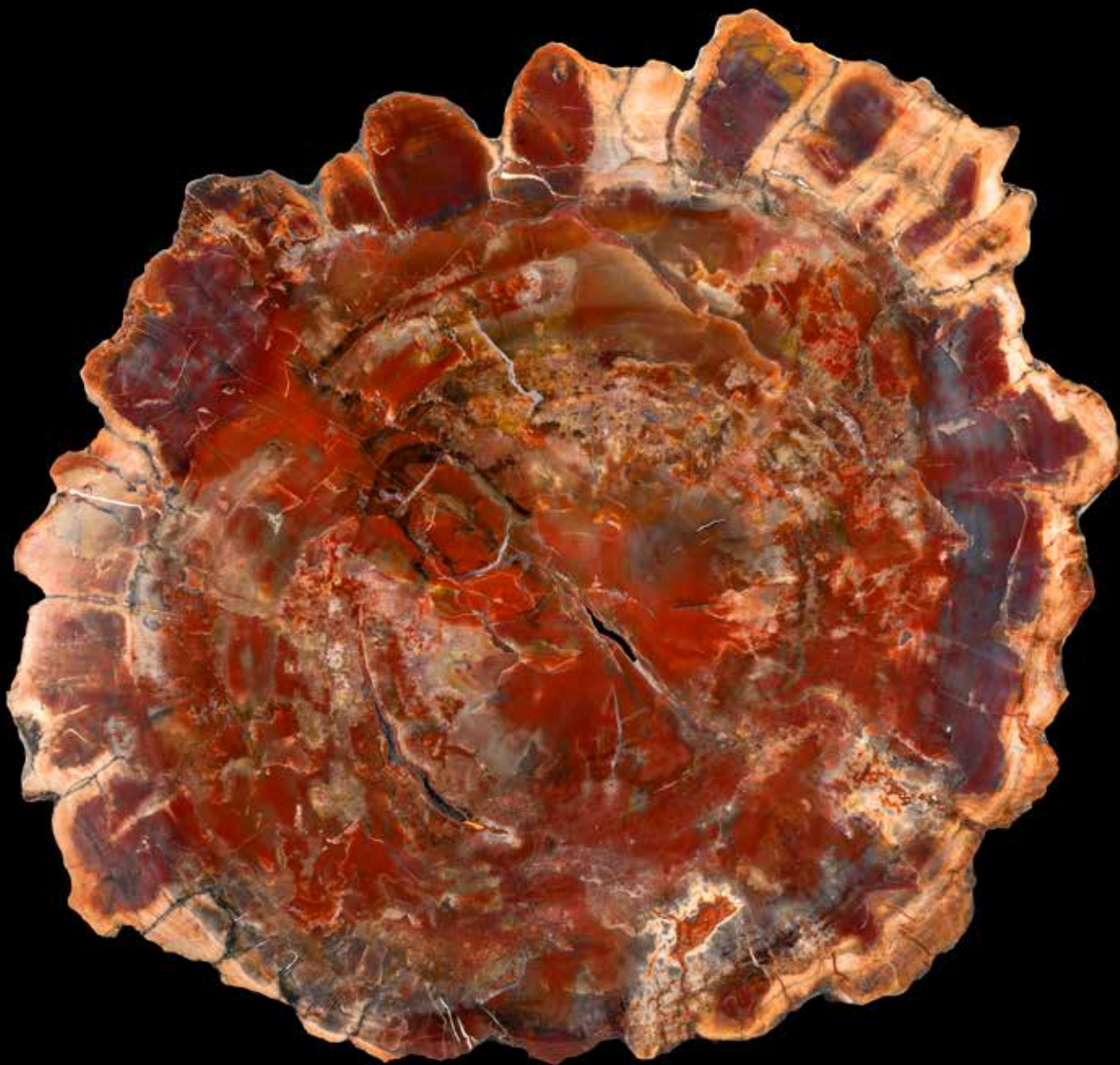
Sabalites sp.

Eocene

Green River Formation, Wyoming

Fossil palms are perhaps the most aesthetically pleasing specimens to be found in the Green River Formation. Coveted for use in interior design, their highly recognizable, delicate beauty also makes a wonderful addition to any fossil flora collection. The present palm frond specimen is completely natural to the limestone matrix. *Measuring* 69 1/2 x 46 x 2 1/4 in

\$15,000 - 20,000



3115

ARIZONA PETRIFIED WOOD SLAB

Auracarioxylon arizonicum

Triassic

Chinle Formation, Arizona

A large, well-polished red slab of oval shape, having excellent bark texture to all edges. Measuring 20 x 17 $\frac{3}{4}$ x 1 $\frac{1}{8}$ in

\$1,000 - 1,500

3116^W

LARGE AND IMPRESSIVE PETRIFIED WOOD LOG

Araucarioxylon arizonicum

Triassic

Chinle Formation, Arizona

Beautifully preserved natural wood bark texture is seen in this substantial petrified wood log from Arizona. Rising five full feet, this piece would serve as a marvelous focal point in garden décor or as an impressive natural art piece in an interior. One face has what is known as a “waterfall” feature of a large polished area which reveals the beautiful colors within. *Measuring 60 x 16 x 18 in*

\$20,000 - 30,000





3117

3117

PETRIFIED WOOD WITH RED IN GROUT MOSAIC SLAB

Araucarioxylon

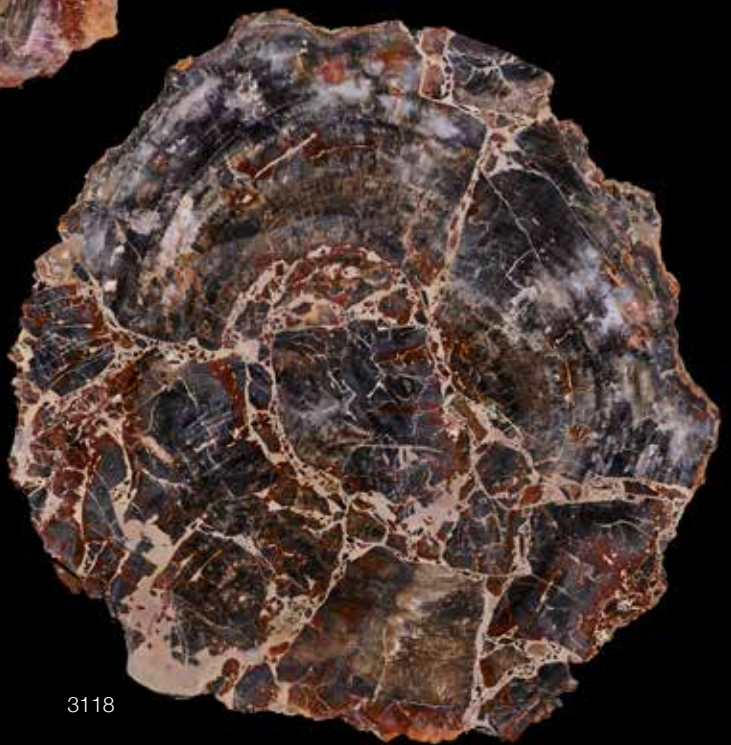
Triassic

Chinle Formation, Arizona

Exhibiting greys, browns and reds in a reassembled petrified wood tabletop with base. *Measuring 45 1/2 x 44 x 3 in*

\$3,000 - 4,000

To be sold without reserve



3118

3118

PETRIFIED WOOD ROUND MOSAIC SLAB ON BASE

Araucarioxylon

Triassic

Chinle Formation, Arizona

Exhibiting vibrant deep colors of petrified wood specimens reassembled as a round tabletop with base. *Measuring 50 x 48 1/2 x 2 1/2 in*

\$3,000 - 4,000

To be sold without reserve



3119

3119

PETRIFIED WOOD MOSAIC SLAB ON BASE

Araucarioxylon

Triassic

Chinle Formation, Arizona

An aesthetic arrangement of petrified wood specimens reassembled as a tabletop with base. *Measuring 48 x 45 x 4 in*

\$3,000 - 4,000

To be sold without reserve

3120

PETRIFIED WOOD SLAB

Araucarioxylon sp.

Triassic

Chinle Formation, Arizona

A fine Arizona petrified wood specimen displaying vibrant colors dominated by reds, ochre and black with white, honed with a beautiful high polish. With bark texture to all edges. *Measuring 22 x 17 1/2 x 1 in*

\$1,400 - 1,800



3120



3121 (detail)

3121^W

PALM FROND WITH BIRD - AN INCOMPARABLE PRESENTATION

Sabalites sp., bird species unknown

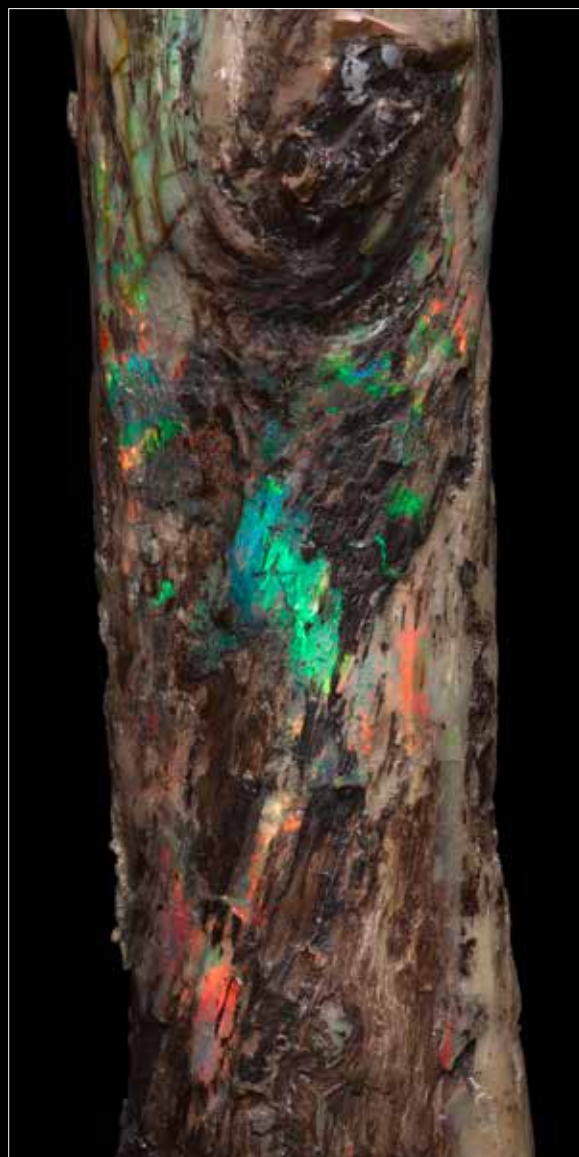
Eocene

Green River Formation, Lincoln County, Wyoming

In the paleontological record of the Green River Formation there has never before been seen a fossil bird preserved with a fossil palm frond. In this astonishing natural presentation, both fossils are in seen in their original positions. The bird, which had partially peeled from the palm side of the matrix, was restored to its original position. The skull of the bird, found on the negative side of the palm half, has been preserved for scientific inquiry; a cast bird skull has been inlaid in its place. Amazingly, most of the feathers of the bird are highly visible and display strong contrast to the matrix. This piece represents a remarkable discovery. Framed in tropical walnut and fitted with a metal cleat system for ease of wall display on any wall of conventional construction. *Matrix measuring 61 x 55 in; Palm frond measuring 63 x 50 in; Bird measuring 10 x 10 1/2 in*

\$50,000 - 60,000





3122 detail)

3122

**RARE PETRIFIED SILICATED WOOD LIMB WITH CROSS
BRANCH--"THE STARFIRE STAFF"**

Bonanza Opal Mine, Virgin Valley, Nevada

A very unique and rare specimen--a limb cast of a long branch, with silicated wood showing a rich brown and a thick layer of opalization--in some areas an 1/8 to a 1/4 inch thick-- with vivid orange, yellow green, red and rare blue colors. Limbs of this size and in this state of preservation are exceptionally rare. *Measuring 17 x 3 x 2 1/2 in*

\$18,000 - 25,000



3123

PRECIOUS OPALIZED WOOD SPECIMEN - “THE MOSSBACK OPAL”

Bonanza Opal Mine, Virgin Valley, Nevada

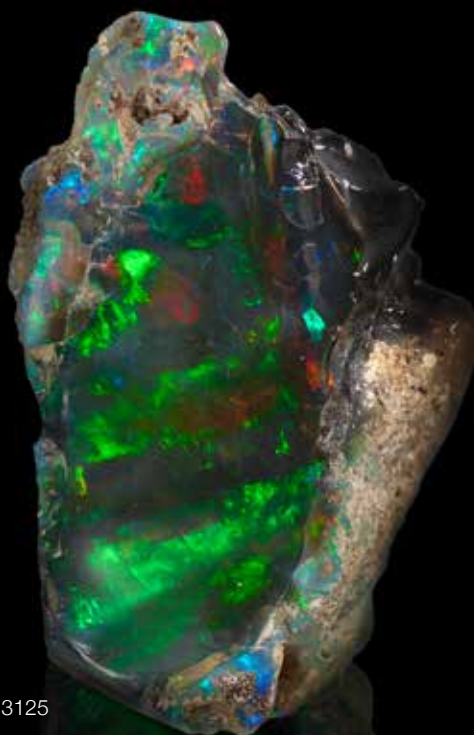
Virgin Valley opals are predominantly limb casts embedded in clay beds. Most limbs come from an ancient tree species called *Cryptomeria*—a relative of the sequoia which is today only found native to Japan. Some opalized limbs from this locality have also been identified as coming from fir, pine, oak, chestnut, maple, and elm. Virgin Valley opals are usually found in pockets with a number of specimens typically clustered nearby—a reinforcement of the theory that most of the limbs were floating in an ancient lake and crowded together in small coves and back eddies. On occasion opalized bones of vertebrate animals have also been found, as well as opalized branches, bark, roots, pine-cones, and seeds.

They are found in layers of clay formed when volcanic ash filled an ancient lake millions of years ago. The lake had twigs and limbs and rotting wood collected in its coves. The surrounding forests were also choked with the ash—eventually the buried wood decayed and left cavities as a souvenir of their presence. Heat and pressure formed a silica gel that percolated through the ash and filled the cavities, gradually hardening into opal. Vivid, electric blues and greens particularly around the knot area of this fine specimen of opalized wood. The present specimen, which still retains surfaces of natural bark, with vivid green opalization, is the largest and finest specimen of opalized wood offered at public auction, thus far. *Weighing approximately 29 lbs and measuring 18 x 8 x 7 in*

\$15,000 - 20,000



3124



3125

3124

VIRGIN VALLEY OPALIZED PETRIFIED WOOD

Indeterminate species

Miocene

Humbolt County, Nevada

During the Miocene, 20 - 12 million years ago, the high desert of Humbolt County in Nevada was rainy and forested. Fortuitous conditions led to opalization in the unique petrified wood found in this locality. *Measuring 2 ¼ x ½ in*

\$1,000 - 1,500

To be sold without reserve

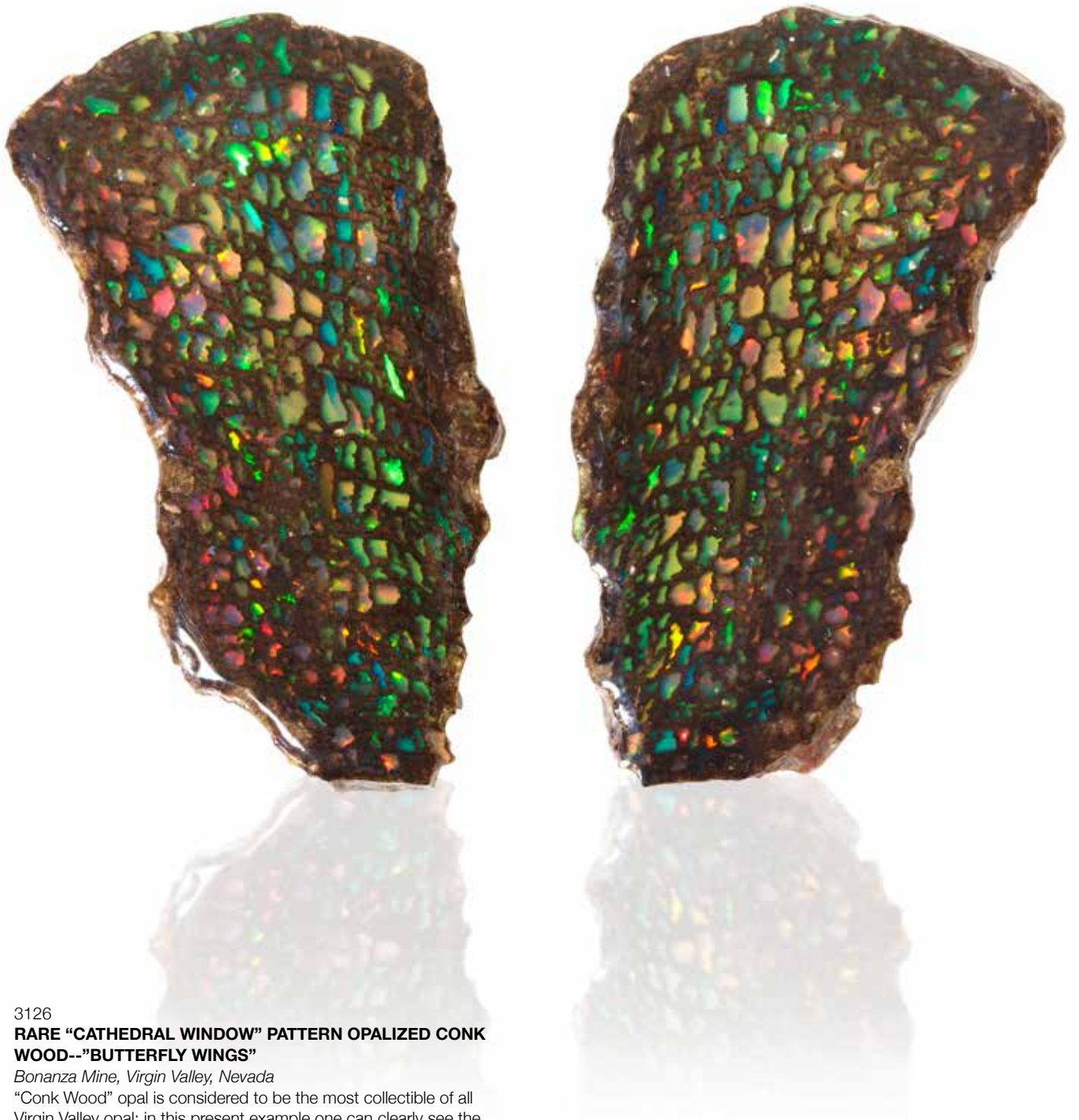
3125

NEVADA BLACK OPAL SPECIMEN WITH RARE RIBBON PATTERN--"THE BLACK BEAUTY"

Bonanza Mine, Virgin Valley, Nevada

A small cabinet specimen, an opalized replacement of a tree limb as evidenced by the existence of some bark still visible on two sides; the center displays a root beer base colored jelly opal, with no cellular structure of the original tree still apparent. The jelly opal having a fantastic ribbon pattern of electric green, vivid blue and orange and red. Unlike some opalized wood specimens which are stored in a bell jar of water, this very fine specimen has never been in water and 20 years stable. *Weighing approximately 65.0 carats and measuring 1 ½ x 1 x 1 ½ in*

\$5,000 - 7,000



3126

RARE "CATHEDRAL WINDOW" PATTERN OPALIZED CONK WOOD--"BUTTERFLY WINGS"

Bonanza Mine, Virgin Valley, Nevada

"Conk Wood" opal is considered to be the most collectible of all Virgin Valley opal: in this present example one can clearly see the replacement of the cellular structure of the original limb in a pattern which is known as "cathedral window" due to the colorful opal seen within the cells. The present offering, consisting of two consecutive slices from a limb, is a museum quality example worthy of the attention of any serious collector and, in our opinion, the finest pair to be offered at public auction. Polished on both sides, they could equally be mounted as a unique pair of ear pendants. *Weighing approximately 109.50 carats total. Measuring 59.19 x 33.18 x 4.6 mm and 59.58 x 32.28 x 4.80 mm*

\$15,000 - 20,000



3127



3128



3129

COPAL, AMBER, CURIOSITIES AND TAXIDERM Y

3127

LARGE COPAL SPECIMEN WITH TERMITES

Antioquia, Colombia

Copal--fossilized tree sap, or fossil resin--is a precursor to amber. The distinction between copal and amber forms an issue of contention among experts, however. In general, fossil resin is called copal is it is not older than 2 - 20 million years, but, because of the lack of a scaling system for assessing polymerization rates, the nomenclature of resin, copal and amber is inexact. Adding to the difficulties in classifying Colombian copal and amber are the presence of drug cartels in the area, inhibiting more thorough scientific study that might clarify the age of the geologic formations in which these materials are found. The present specimen is a very large one of golden hue, with a naturally pierced hole providing added visual interest as well as plant debris and swarms of termites within. *Weighing approximately 1140.9 grams and measuring 8 1/2 x 6 x 2 1/2 in*

\$1,000 - 1,200

3128

COPAL WITH INSECTS

Colombia, South America

Copal, fossilized tree resin, is a more recently formed type of amber. Offered is a specimen of Colombian copal displaying insect inclusions. *Measuring 4 1/2 x 1 1/2 in*

\$300 - 500

To be sold without reserve

3129

BURMITE SPECIMEN

Burma

Dark and mostly opaque with minor translucency at the edges showing some red, this is a large specimen. *Weighing approximately 776.0 grams. Height with stand 12 in*

\$500 - 700

To be sold without reserve

Raised on a custom fitted wooden stand.



3130

3130

BURMITE SPECIMEN

Burma

A large specimen of caramel color with some transparency with several ant inclusions. *Weighing approximately 682.5 grams and measuring 6 1/2 x 3 1/2 x 3 1/2 in*

\$400 - 600

To be sold without reserve



3131

3131

LARGE AMBER SPECIMEN WITH STAND

Burma

A large free-form specimen, with polished surfaces to reveal the semi translucent interior, displaying minor plant debris inclusions and ant/ insect inclusions. Raised on an embedded wooden base. *Height 13 in*

\$1,500 - 2,000

3132

LARGE GREEN AMBER SPECIMEN

Chiapas, Mexico

A large and impressive amber specimen having a cognac body color with internal inclusions of plant debris visible with transmitted light, contour polished to the face with rough natural surface texture to the reverse side. Having a distinct green hue under sunlight and strong blue fluorescence under UV light. *Weighing approximately 961.0 grams and measuring 8 1/2 x 5 x 2 1/4 in*

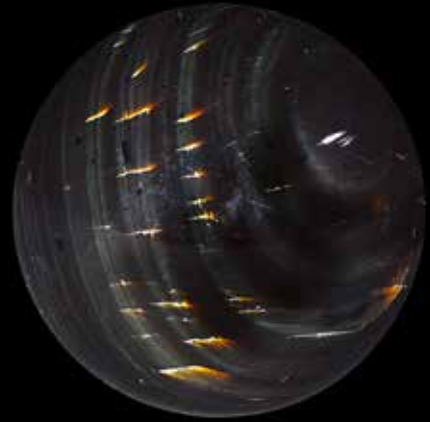
\$1,200 - 1,500



3132



3133



3136

3133

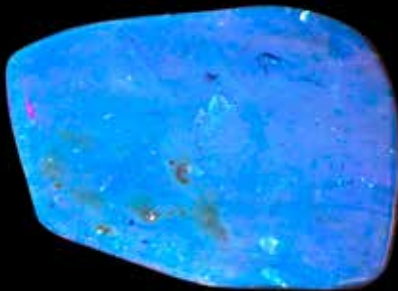
BLUE AMBER SPECIMEN

Dominican Republic

With a polished faced and natural rind of the specimen to the reverse side with plant debris visible to the interior and a blue fluorescence.

Weighing approximately 43.15 carats (8.64 grams) and measuring 36.08 x 32.8 x 14.92 mm

\$300 - 500



3134



3134

LARGE AMBER SPECIMEN WITH INSECT INCLUSIONS

Dominican Republic

Having numerous unidentified insect inclusions visible in high relief. Weighing approximately 52.0 grams and measuring 3 1/8 x 2 1/4 x 1/2 in

\$1,500 - 2,000

3135

AMBER CABOCHON WITH INSECT INCLUSIONS WITH A WING

Dominican Republic

A large domed cabochon of amber display a pair of insects *inflagante delicto* as well as a large pair of insect wings (without body).

Weighing approximately 17.7 grams and measuring 37.59 x 21.11 mm

\$1,500 - 2,000



3135



3136

GREEN AMBER SPHERE

Chiapas, Mexico

It is unusual to see a specimen of amber polished as a sphere. This fine example exhibits flow lines and a strong green color under UV light. Weighing approximately 86.6 grams. Diameter 2 in

\$300 - 500

To be sold without reserve



3137

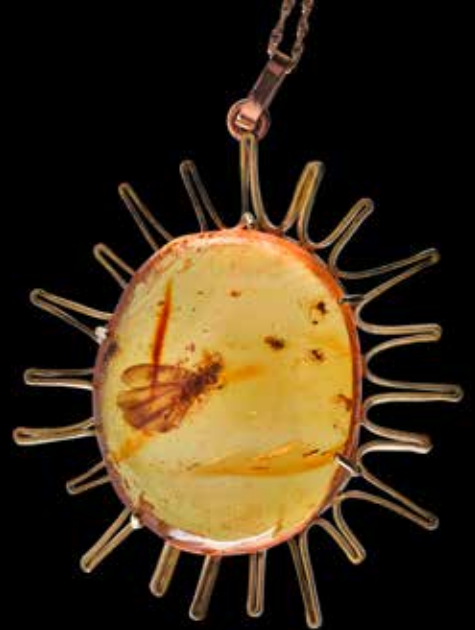
3137

AMBER SPECIMEN WITH RARE FOOT INCLUSION

Myanmar (Burma)

Amber is approximately 99 million years old. It predates any birds as we know them today. Measuring 2 1/2 x 1 1/2 x 1/4 in

\$5,000 - 7,000



3138

3138

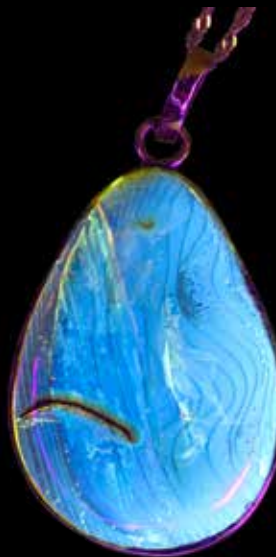
AMBER PENDANT WITH INSECT INCLUSION

Dominican Republic

A large oval cabochon amber specimen having a winged insect inclusion, most likely a butterfly, mounted in 14K yellow gold setting of starburst design, suspended from a delicate 18K gold chain, length 16 in. Height of pendant: 2 in

\$600 - 800

To be sold without reserve



3139

3139

AMBER PENDANT WITH GRASSHOPPER

Dominican Republic

Featuring a grasshopper and plant debris visible in golden amber, drop-shaped pendant, weighing approximately 2.3 grams, simply bezel-set with 18K yellow gold and suspended from a gold chain. Height 1 1/8 in

\$1,000 - 1,500

To be sold without reserve



3140

3140

AMBER PRAYER BEADS

Dominican Republic

Comprising thirty-three oval and two rondelle amber beads, measuring 15 x 12mm and 13 x 6mm, terminating in a carved tubular bead, 49 x 12mm. Weight approximately 46 grams. Total length approximately 22 in

\$1,000 - 1,500

To be sold without reserve



3141

3141

ROPE LENGTH AMBER BEAD NECKLACE

Baltic Coast

A very long, single-strand necklace comprising sixty-four, large tumbled amber beads, measuring from 30 mm to 15 mm in length, with good transparency. *Weighing approximately 200 grams. Length 60 in*

\$500 - 700

To be sold without reserve

Provenance: Ex. Collection of soprano, Rosalie Olinski.



3142

3142

AMBER NUGGET BEAD NECKLACE

Baltic Coast

Comprising rough nugget amber beads, graduating from 12 x 8 x 5mm to 47 x 22 x 10mm. *Weight approximately 202 grams. Continuous length approximately 27 in*

\$400 - 600

To be sold without reserve



3143

3143
GEYSERITE ON STAND

Eocene

Texas

Offered on a display stand, a large specimen of geyserrite from Texas.

Measuring 10 ½ x 8 ¼ x 4 ½ in

\$400 - 600



3144

3144
LARGE GEYSERITE ON STAND

Eocene

Texas

As its name implies, geyserrite – a hard opaline siliceous mineral – is deposited around hot springs and geysers. Offered on a display stand.

Measuring 14 ¾ x 13 x 4 in

\$600 - 800



3145

3145
GEYSERITE

Eocene

Texas

Geyserrite – a hard opaline siliceous mineral – is deposited around hot springs and geysers. *Measuring 10 x 11 x 8 ¼ in*

\$400 - 600



3146



3147



3148

3146^W

ELK SHOULDER MOUNT

Cervus canadensis

A superb trophy elk from an East Coast Collection. The finely executed and lifelike shoulder mount displays an impressive set of antlers.

Measuring 75 x 46 x 54 in

\$1,500 - 2,000

To be sold without reserve

3147^W

MOOSE SHOULDER MOUNT

Alces alces

A very large and impressive shoulder mount of a moose, displaying lifelike eyes and well-preserved coat. From an East Coast collection.

Measuring 59 x 48 x 41 in

\$2,500 - 3,500

To be sold without reserve

3148^W

TROPHY PRONGHORN ON PEDESTAL

Antilocapra americana

A lifelike shoulder mount of a pronghorn. Offered on a custom designed wooden pedestal. From an East Coast collection. Measuring

52 x 45 x 25 in

\$2,500 - 3,500

To be sold without reserve



3149

TROPHY WHITE-TAILED DEER

Odocoileus virginianus

Northern Arizona

A full body mount of a Northern Arizona white-tailed deer in a tranquil and lifelike pose. From an East Coast collection. *Measuring 44 x 30 x 21 in*

\$2,000 - 3,000

To be sold without reserve



3150

3150^W

TROPHY MULE DEER ON PEDESTAL

Odocoileus hemionus

A superb shoulder mount mule deer in velvet displaying a marvelous set of antlers and lifelike eyes. Offered on a fine custom designed two-toned wooden pedestal. From an East Coast collection. *Measuring 73 x 32 x 39 in*

\$3,000 - 4,000



3151

3151^W

TROPHY ELK ON PEDESTAL

Cervus canadensis

A superb trophy elk from an East Coast Collection, displaying lifelike quality. Offered on a finely crafted custom two-toned hardwood pedestal. *Measuring 107 x 53 x 46 in*

\$3,500 - 4,500

To be sold without reserve



3152

GIANT ELEPHANT BIRD EGG WITH REMNANTS INSIDE

Aepyornis maximus

Southern Madagascar

Pre-17th century

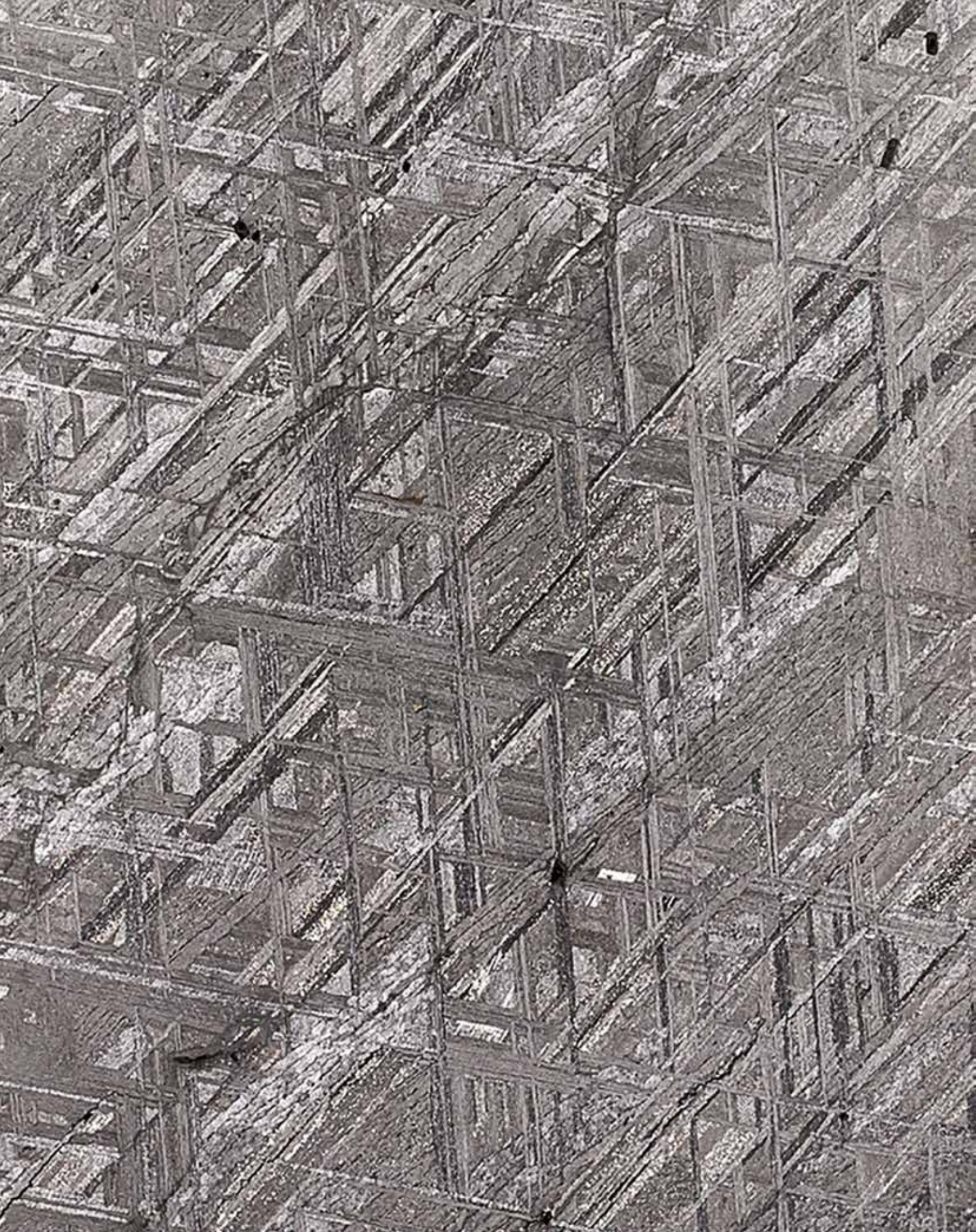
The extinct flightless bird, *Aepyornis maximus*, produced the largest egg of any animal that ever lived, including the dinosaurs. Commonly known as the Elephant Bird, a name that originated from Marco Polo's account of the giant bird in 1298, the species was described by Marco Polo as a ten-foot-tall bird that weighed over half a ton, having talons large enough to seize an elephant. *Aepyornis maximus*, lived only on the island of Madagascar and went extinct in the middle of the 17th century. The present exceptional egg is unbroken and original. Specimens of this quality and condition are very rare and highly

desired by collectors. The present specimen is rare in that when one moves the egg, the sound of a powdery substance shifting can be heard. A minute hole is seen on one area on the eggshell....most likely a chick attempting to peck his way out. *Circumference: 27 in.*

Height 11 in

\$15,000 - 20,000

Offered with a rose quartz base with a recessed well to accommodate the egg. Diameter: 8in



Meteorites

Lots 3153 - 3186



3153

3153

CAMPO DEL CIELO

*Iron-Nickel, Coarse Octahedrite
Gran Chaco, Argentina*

The Campo del Cielo meteorite fell over four thousand years ago, approximately 1,000 kilometers northwest of Buenos Aires. It was discovered in 1576 by Spanish explorers, who believed that the space rocks were indicative of the existence of a terrestrial iron source. Offered is a fine example of Campo del Cielo. Weighing 8 lbs. Measuring 6 1/2 x 5 x 3 in

\$750 - 1,000



3154

3154

CANYON DIABLO - END CUT

*Iron-Nickel, Coarse Octahedrite
Meteor Crater, Arizona*

This *Canyon Diablo* end cut has been etched on one side to display its *Widmanstätten* pattern. *Canyon Diablo* iron-nickel meteorites are in great demand by collectors as the area around Meteor Crater near Winslow, Arizona has been closed for years. Nearly one mile in diameter, the crater was created over 50,000 years ago when a 50-foot-in-diameter meteor exploded high over the Arizona desert. Famously, Daniel Barringer staked mining claims on the site of Canyon Diablo in order to search for a main mass of iron, which was never found. Measuring 10 x 3 x 3.4 centimeters; Weighing 720 grams

\$800 - 1,100



3155

**METEORITE SCULPTURE--"JUGGLING
THE COSMOS" BY ZEE HAAG**

A large Campo del Cielo, Argentinian iron meteorite forged into a sculpture with steel spheres placed in the pierced holes, which can be manipulated and removed if desired to create an ever-changing composition. The base is four inches of sculptured steel adding great stability and mass to the sculpture.

Meteorite weighs approximately 88.8 lbs.

Measuring 28 1/2 x 12 inches overall.

\$10,000 - 15,000



3156

3156

ESQUEL PALLASITE

Pallasite

Chubut, Argentina

Polished on both sides to reveal the maximum reflection of the iron-nickel matrix section of *Esquel*, this meteorite specimen also displays several beautiful translucent lightly shocked green-to-orange olivine crystals. Discovered in 1951 by a farmer in Chubut, Argentina, *Esquel* is considered to be the most beautiful of all *pallasites* and is now rarely available as the single discovered meteorite has been completely sectioned. *Weighing 18.5 grams*

\$700 - 1,000



3157

3157

LAHMADA METEORITE - A LUNAR INDIVIDUAL

Lahmada

Feldspathic Breccia

Saguia el Hamra, Western Sahara

Found north of Jdirya, Morocco in 2018, Lahmada 020 is a highly shocked Lunar melt breccia. Offered is a complete individual. *Weighing 9.26 grams*

\$1,200 - 1,500



3158

3158

MARTIAN POLYMICT BRECCIA

NWA 13187

Martian Shergottite

Martian shergottites are named after the Shergotty meteorite which fell in India in 1865 and consist of two subgroups, basaltic and iherzolithic. NWA13187 belongs to the basaltic variety; these are meteorites which may have crystallized as recently as 180 million years ago, which is surprising to researchers considering how old they believe the surface of Mars to be. These meteorites are silicate (referring to the crystallization of molten material as it cools) rocks, which scientists believe may have originated from the crater Mojave, believed to be 3 million years old. Mojave, named after the Mojave Desert in the southwest because of their similar landforms, is estimated to be the youngest rayed crater on Mars. *Total weight 5.62 grams (5)*

\$16,000 - 24,000



3159

MUONIONALUSTA IRON METEORITE

Iron-Nickel, Fine Octahedrite

Norrbottnen, Sweden

Discovered in in Norrbotten, Sweden in 1906, Muonionalusta formed when two large asteroids were destroyed by collision in the asteroid belt billions of years ago. Muonionalusta is classified as a fine octahedrite and has one of the most beautiful Widmanstätten patterns when it is etched. Widmanstätten patterns form when the two alloys of nickel, kamacite and taenite, separate as the iron core cools at a rate of only a few degrees per million years. These patterns are not found in any materials on Earth. Offered is an exceptional Muonionalusta specimen. *Measuring 10 x 10 x 8 in and weighing approximately 88.5 lbs*

\$25,000 - 35,000



3160

3160

MUONIONALUSTA - END PIECE

Iron-Nickel, Fine Octahedrite, Type IVA

Kiruna, Sweden

Possibly the oldest meteorite known to man, Muonionalusta impacted a site west of the border between Sweden and Finland, north of the Arctic Circle, approximately one million years ago. Lappland, the traditional home of the Sami people, is a remote pine forested land with large herds of reindeer, rivers and lakes, carved out by gigantic glaciers which covered this region as late as 11,000 years ago. In 1906, the first Muonionalusta meteorite was discovered by a child who, while kicking rocks, struck a heavy, rusty object, which was later identified as meteoritic. The present Muonionalusta specimen is a large end piece, with a nicely etched Widmanstätten pattern of crystallization to the face. *Weighing 3420 grams and measuring 7 x 5 x 2 in*

\$4,500 - 5,500



3161

3161

STANDING MUONIONALUSTA MONOLITH

Iron-Nickel, Fine Octahedrite, Type IVA

Kiruna, Sweden

This Muonionalusta specimen has been fashioned into an attractive monolith. Possibly the oldest meteorite known to man, Muonionalusta impacted a site west of the border between Sweden and Finland, north of the Arctic Circle, approximately one million years ago. Lappland, the traditional home of the Sami people, is a remote pine forested land with large herds of reindeer, rivers and lakes, carved out by gigantic glaciers which covered this region as late as 11,000 years ago. In 1906, the first Muonionalusta meteorite was discovered by a child who, while kicking rocks, struck a heavy, rusty object, which was later identified as meteoritic. *Measuring 6 1/2 x 4 x 1 1/2 in and weighing 2340 grams*

\$3,000 - 3,500



3162

3162

MUONIONALUSTA METEORITE END PIECE

Iron-Nickel, Fine Octahedrite, Type IVA

Kiruna, Sweden

Possibly the oldest meteorite known to man, Muonionalusta impacted a site west of the border between Sweden and Finland, north of the Arctic Circle, approximately one million years ago. Lappland, the traditional home of the Sami people, is a remote pine forested land with large herds of reindeer, rivers and lakes, carved out by gigantic glaciers which covered this region as late as 11,000 years ago. In 1906, the first Muonionalusta meteorite was discovered by a child who, while kicking rocks, struck a heavy, rusty object, which was later identified as meteoritic. The present Muonionalusta specimen is a large end-piece with great aesthetics, featuring two large oval troilite inclusions, a beautifully etched Widmanstätten pattern of crystallization to the face and a crystallized surface to the reverse side, with *stepped formation*. *Weighing approximately 2749.1 grams and measuring 8 x 4 x 2 in*

\$3,000 - 5,000



3163

3163

CUBIC FORM MUONIONALUSTA METEORITE

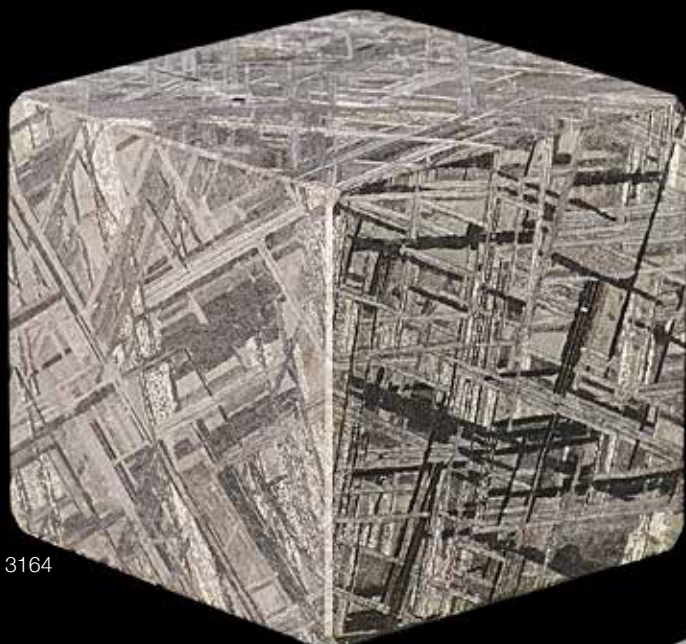
Iron-Nickel, Fine Octahedrite, Type IVA

Kiruna, Sweden

This marvelous Muonionalusta specimen has been fashioned into an attractive cubic form and acid-etched to reveal a beautiful fine octahedrite Widmanstätten pattern on the cut surface. *Measuring 3 x 3 x 3 3/4 in and weighing 638 grams*

\$1,500 - 2,000

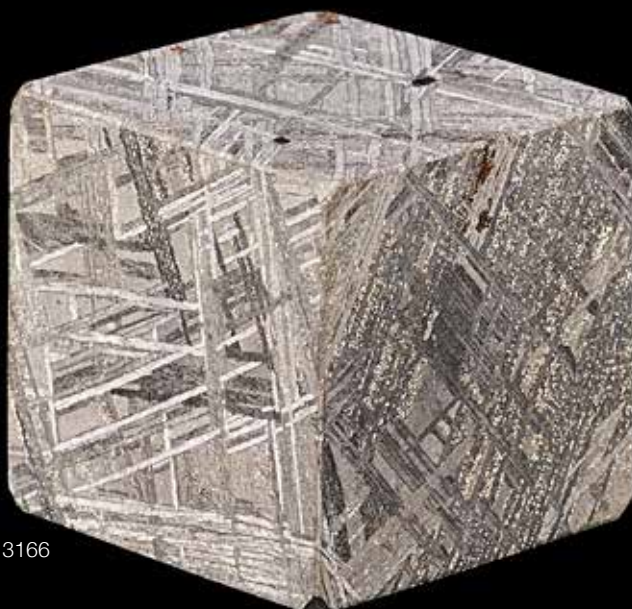
To be sold without reserve



3164



3165



3166

3164

MUONIONALUSTA CUBE

*Iron-Nickel, Fine Octahedrite, Type IVA
Kiruna, Sweden*

This specimen has been fashioned into an attractive cube form and acid-etched to reveal the desirable Widmanstätten pattern on the surface. Muonionalusta is renowned for the beauty of its fine octahedrite crystallization. *Measuring 1 1/2 x 1 1/2 x 1 1/2 in; Weighing 364 grams*

\$1,400 - 1,800

3165

METEORITE PEN

Fabricated in Germany from either a Muonionalusta or Gibeon meteorite iron meteorite, the barrel of the pen has been acid etched to reveal the beautiful Widmanstätten pattern of crystallization. *Length 4 3/4 in*

\$1,200 - 1,500

3166

MUONIONALUSTA - CUBE FORM

*Iron-Nickel, Fine Octahedrite, Type IVA
Kiruna, Sweden*

Fashioned into an attractive cubic form and acid-etched to reveal the desirable fine octahedrite Widmanstätten pattern of crystallization, for which this meteorite has become renowned. *Measuring 1 x 1 x 1 in; Weighing 124 grams*

\$800 - 1,000

To be sold without reserve



3167



3170

3167

MURCHISON - SLICE

*Carbonaceous Chondrite, CM Group
Murchison, Victoria, Australia*

Murchison is probably the most studied of all meteorites due to the chemical complexity of the compounds with which it is composed. Some scientists have theorized that amino acids originating from meteorites were the source of life on Earth. *Murchison* contains amino acids and also silicon-carbide particles which have been dated at 7 billion years old - 2.5 billion years older than the Earth and our solar system. The present slice is from the famous observed fall. *Weighing 2.12 grams; Measuring 40.6 x 21.1 x 6.9 mm*

\$700 - 1,000

3168

NANTAN METEORITE SPHERE

Nantan, China

A meteorite sphere from the witnessed fall in 1516 in Nantan China, *weighing 1617 grams*. It has been dubbed "The Halo sphere" due to a Nickel ring around it. *Diameter 4 in (10 cm)*

\$1,000 - 1,500

To be sold without reserve



3168

3169

LUNAR METEORITE NWA 3133

NWA 3133 - CV7

Feldspathic Breccia

Tindouf, Algeria

Lunar meteorites are made of mostly volcanic rocks called basalts. But the pounding of impacts over eons has broken the rocks into fragments which have melted and reformed into rocks called breccias. Close examination of Lunar meteorites will often reveal the small individual bits of different colors that make up these breccias. The bits are called clasts. Lunar rocks are very old geologically speaking, as the volcanic activity is believed to have stopped early in the Moon's history. NWA 3133 has been paired with NWA 2653.

Weighing 15.8 grams

\$2,200 - 2,800



3169

3170

NWA 4931 - SLICE

Angrite

Consisting primarily of the mineral *augite*, with *olivine*, *anorthite* and *troilite*, angrites are a rare group of achondrites. Offered is an angrite slice. *Weighing 10 grams*

\$1,500 - 2,000



3171

3171

MARTIAN METEORITE NWA 12269

*Martian Shergottite, Chondrite
Northwest Africa*

NWA 12269 is an officially recognized meteorite which was classified in 2018 after a 1679-gram mass was acquired by a collector in Morocco. Martian meteorites are pieces of the Martian crust which were blasted from the surface by an asteroid impact and made their way to Earth as meteorites. Their Martian origin is identified by unique isotopic composition and trapped gases which match the atmosphere sampled by NASA landers. The present specimen exhibits the attractive grayish color with dark crystal inclusions characteristic of this meteorite. *Weighing 5.01 grams*

\$4,000 - 5,000



3172

3172

MARTIAN METEORITE NWA 12269

*Martian Shergottite, Chondrite
Northwest Africa*

NWA 12269 is an officially recognized meteorite which was classified in 2018 after a 1679-gram mass was acquired by a collector in Morocco. Martian meteorites are pieces of the Martian crust which were blasted from the surface by an asteroid impact and made their way to Earth as meteorites. Their Martian origin is identified by unique isotopic composition and trapped gases which match the atmosphere sampled by NASA landers. The present specimen exhibits the attractive grayish color with dark crystal inclusions characteristic of this meteorite. *Weighing 6.86 grams*

\$5,000 - 6,000

3173

LARGE MARTIAN METEORITE SLICE

NWA 13187

Martian Shergottite

Martian shergottites are named after the Shergotty meteorite which fell in India in 1865 and consist of two subgroups, basaltic and iherzolithic. NWA13187 belongs to the basaltic variety; these are meteorites which may have crystallized as recently as 180 million years ago, which is surprising to researchers considering how old they believe the surface of Mars to be. These meteorites are silicate (referring to the crystallization of molten material as it cools) rocks, which scientists believe may have originated from the crater Mojave, believed to be 3 million years old. Mojave, named after the Mojave Desert in the southwest because of their similar landforms, is estimated to be the youngest rayed crater on Mars. *Weighing 57.4 grams*

\$10,000 - 12,000



3173



3174

3174

NWA 13227 - END CUT

Olivine-Bearing Untramorphic

Martian Shergottite

A Martian impact melt is most likely the result of a giant meteorite crashing into Mars and melting Martian target rock into a new form. That in itself is remarkable, as any type of impact melt — even in the abundant chondrite family — is highly unusual. The present example is an exceptionally rare Martian impact melt which also displays vugs (cavities found within a rock matrix.) In terrestrial formations, vugs are a prime environment for the formation of crystals. Vugs are almost never seen in meteorites. Offered is an end cut of NWA 13227.

Weighing 76.7 grams

\$12,000 - 15,000

3175

SAINT AUBIN - COMPLETE INDIVIDUAL

Iron IIIAB-UNG

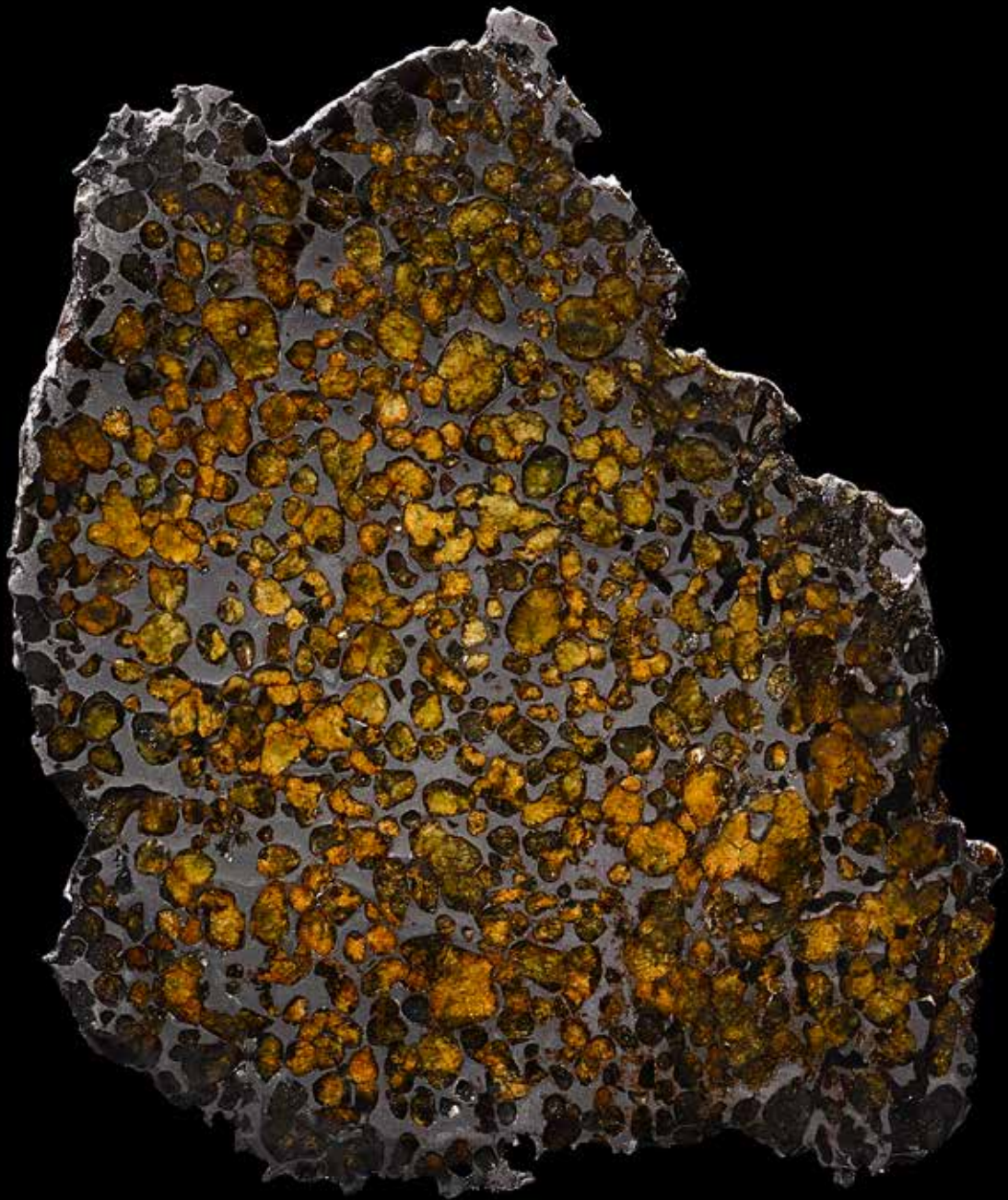
Aube Champagne, France

Saint Aubin is a rare European iron meteorite which was first found in France in 1968 by farmers plowing a field. It is an ungrouped octahedrite, meaning it does not fit into any existing iron meteorite class. As noted in the *The Meteoritical Bulletin*, Saint Aubin can display shock features, Neumann lines, iron sulfide nodules, and extraordinary schreibersite needles up to 6 centimeters in length. Schreibersite is a rare nickel-iron phosphide mineral which — apart from a single location in Greenland — is not found on Earth, but only in meteorites. The present offering is wonderful complete individual. *Weighing 14.0 kilograms*

\$8,000 - 10,000



3175



3176

SERICHO METEORITE - COMPLETE SLICE

Pallasite

Eastern Kenya

Officially recognized as meteoritic in 2016, Sericho's masses had been known to camel herders for decades prior to the discovery: One village elder recounted stories of playing on top of the mysterious stones as a child. To this date, the Sericho strewn field has been measured at greater than 45 kilometers in length. The present specimen exhibits both the natural outside and the cut-and-polished interior of this interesting pallasite. Offered is a complete slice. *Weighing 640 grams*

\$10,000 - 12,000



3177

SERICHO PALLASITIC METEORITE SPHERE

Pallasite

Eastern Kenya

Officially recognized as meteoritic in 2016, Sericho's masses had been known to camel herders for decades prior to the discovery: One village elder recounted stories of playing on top of the mysterious stones as a child. To this date, the Sericho strewn field has been measured at greater than 45 kilometers in length. Over 70% of the cut surface reveals the olivine crystal makeup of this recently discovered pallasite. The present sphere is the largest of which we are aware, of this fine meteorite. It has been honed to a mirror-bright polish with golden-brown embedded pallasitic olivine inclusions. A stunning example of a fine meteorite. *Weighing approximately 2995 grams. Diameter 4 1/8 in (10.5 cm)*

\$18,000 - 22,000



(back)



(front)

3178

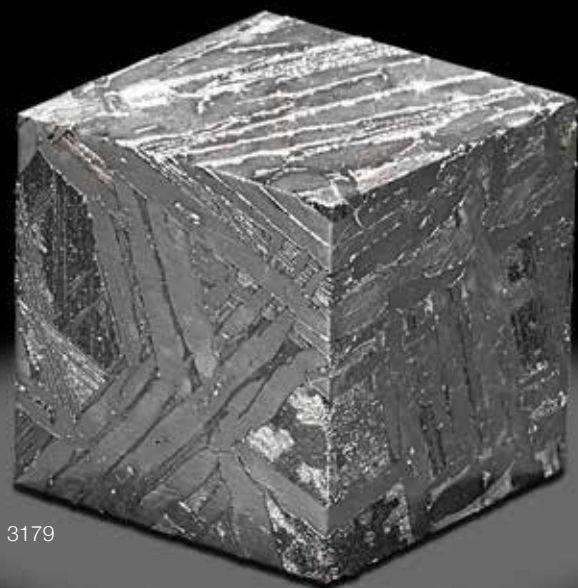
SERICHO METEORITE END CUT

Pallasite

Eastern Kenya

Officially recognized as meteoritic in 2016, Sericho's masses had been known to camel herders for decades prior to the discovery: One village elder recounted stories of playing on top of the mysterious stones as a child. To this date, the Sericho strewn field has been measured at greater than 45 kilometers in length. The present specimen exhibits both the natural outside and the cut-and-polished interior of this interesting pallasite. *Weighing approximately 21.6 lbs (9.8 kilos) and measuring 12 x 6 x 5 in*

\$7,000 - 9,000



3179



3181

3179

SEYMCHAN METEORITE CUBE

Iron-nickel, medium octahedrite

Magadan District, Russia

The Seymchan meteorite was first found in 1967, in the dry bed of the river Hekandue. The total known weight of the original meteorite is only approximately 351 kilos. The present specimen has been fashioned into an attractive cubic-form and acid etched to reveal the desirable Widmanstätten pattern of crystallization on the surface for which this meteorite has become renowned. *Weighing approximately 223.9 grams and measuring 3.0 x 3.0 x 3.0 cm*

\$1,500 - 2,000

3180

SEYMCHAN METEORITE - COMPLETE SLICE

Iron, Coarse Octahedrite, IIE Pallasite

Magadan District, Russia

Pallasites provide a glimpse of the internal structure of differentiated asteroids; their chemical makeup and visual texture suggest they formed near the mantle/core boundary of a parent body. Here is a representation of the inner workings of an asteroid, a marvelous complete slice boasting golden olivine (peridot.) The cut surface has been polished and etched to show its remarkable Widmanstätten structure contrasting with yellow-to-orange peridot crystals. *Weighing 3850 grams*

\$6,000 - 8,000

3181

SEYMCHAN PALLASITE SPHERE

Seymchan

Magadan District, Russia

Etched to show its beautiful *Widmanstätten* pattern, olivine crystals and silicate inclusions are also seen the iron-nickel matrix of this sphere. The olivine crystals in *Seymchan* are smaller in diameter than those of most pallasites. *Seymchan* slices are remarkably stable. Offered with a magnetic presentation stand. *Weighing 490 grams; Diameter 1 3/4 in*

\$2,500 - 3,500



3180

3182

SEYMCHAN METEORITE MONOLITH

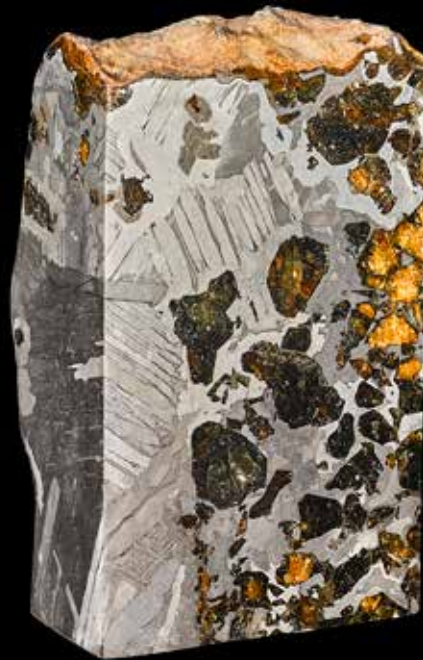
Pallasite

Magadan District, Russia

The present specimen has been fashioned into an attractive monolith and polished on four sides. The *Seymchan* meteorite was first found in 1967, in the dry bed of the Hekandue River. The total known weight of the original meteorite is only approximately 351 kilograms. The present attractive monolith boasts numerous olivine crystal inclusions. *Measuring 3 1/2 x 2 x 1 in; Weighing 623 grams*

\$4,000 - 5,000

3182



3183

LARGE SEYMCHAN METEORITE CUBE

Pallasite

Magadan District, Russia

Originally, Seymchan was believed to be an iron-nickel meteorite; however, recently olivine crystals were found in parts of some of the Seymchan meteorites, making it a far more rare pallasite. Discovered by a geological survey party near the Hekandue River in Magadan District, Russia, Seymchan contains olivine crystals - actual gemstones from outer space - indicating its origin near the mantle/core boundary of a differentiated planetary body. The present very large specimen has been fashioned into a cube shape, exhibiting the polished and etched *Widmanstätten* crystalline structure of the interior of the meteorite, along with the distinctive olivine crystals which are visible on every side. It is rare to find an iron-nickel cube this large but to find a much rarer *pallasite* cube this large is a very uncommon offering indeed. *Weighing 4,470 grams; Measuring 9.8 x 9.8 x 9.8 cm*

\$18,000 - 25,000

3183



3184

SIKHOTE-ALIN

Iron-Nickel

Sikhote-Alin Mountains, Siberia

It is quite rare to find large, aesthetic specimens of Sikhote-Alin, as the meteorite field has been well searched with only small specimens still being found. Having fallen on Feb. 12, 1947 in Siberia, Sikhote-Alin meteorites are the best preserved of all known iron-nickel meteorites. The present example represents the more rare of the two types of Sikhote-Alin specimens, possessing regmaglypts, small crater-like impressions which formed by ablation of troilite when the meteorite was streaking through the sky at high temperatures. *Weighing 318 grams; Measuring 3 1/2 x 1 3/4 x 1 in*

\$1,200 - 2,000

3184





3185

3185

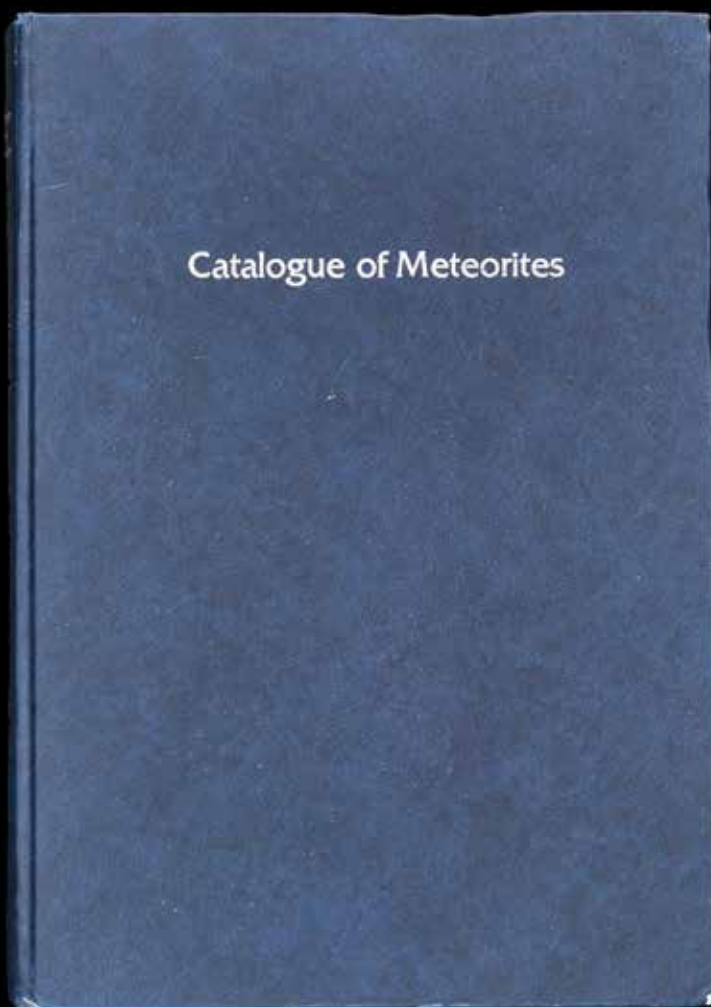
SIKHOTE-ALIN SHRAPNEL

Iron-Nickel

Sikhote-Alin Mountains, Siberia

A small central peak with delicate flow lines of melted metal flowing down from the central peak, and ragged edges on the opposite side recommend this large Sikhote-Alin specimen. Sikhote-Alin broke up twice during its fall to Earth with only the higher breakup creating the meteorites with regmaglypts; the lower breakup produced the shrapnel type meteorites, as seen in the present example, which is a desirable oriented shrapnel-type Sikhote-Alin meteorite. The delicate flow lines which naturally occur when meteorites pass through Earth's atmosphere are only found on pristine iron-nickel meteorites such as oriented Sikhote-Alins. *Weighing 334 grams; Measuring 3 x 2 1/2 x 1 1/2 in*

\$1,200 - 2,000



3186

3186

BRITISH MUSEUM CATALOGUE OF METEORITES

With special reference to meteorites represented in the collection of the British Museum of Natural History. By A.L. Graham, A.W.R. Bevan and R. Hutchison. Fourth Edition (Revised and Enlarged), British Museum (Natural History), 1985. Printed and bound in Great Britain by The Garden City Press limited, Letchworth, Hertfordshire SG61JS.

\$500 - 700

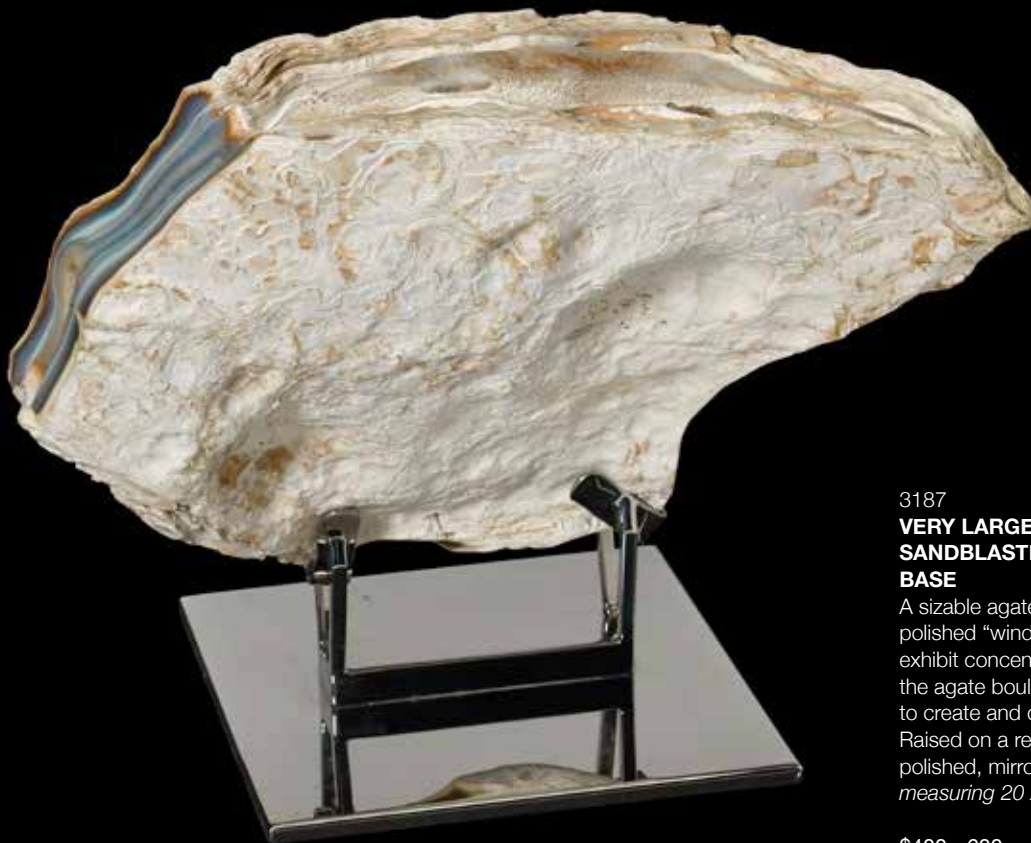
To be sold without reserve

*Provenance: Dr. Wayne J. Walton, Jr.
Collection of Meteorites*



Minerals including Native Metals

Lots 3187 - 3233



3187

3187

**VERY LARGE AGATE BOULDER WITH
SANDBLASTED SURFACE ON CUSTOM
BASE**

A sizable agate specimen having three polished "windows" into the interior which exhibit concentric banding, the outer rind of the agate boulder has been sandblast finished to create a dramatic white exterior surface. Raised on a removable custom-made polished, mirror-bright nickel base. Boulder measuring 20 x 16 x 8 in

\$400 - 600

To be sold without reserve



3188

3188

FOUR AGATE SLABS

Brazil

Originating from the same geode but not quite consecutive slices, consisting of a cap and three cross-section slices, the largest, measuring 8 1/2 x 8 1/2 x 1/4 in. (4)

\$600 - 800

To be sold without reserve



3189^W

AMETHYST GEODE

Brazil

The exterior painted in the traditional manner
in charcoal grey to resemble the lava tubes in
which these deposits of amethyst are found.

Measuring 62 1/2 x 36 x 21 in

\$3,000 - 5,000



3190



3191



3192

3190

LARGE AND IMPRESSIVE AMETHYST "CIRCLE" WITH CUSTOM STAND

Artigas, Uruguay

A very large amethyst cross-section slab of a geode having large violet amethyst crystals to the interior and complete exterior rind of the original geode present. *Measuring 20 x 15 x 2 in*

\$1,500 - 2,000

Accompanied by a custom metal stand.

3191

AMETHYST GEODE CROSS-SECTION SLAB WITH CUSTOM STAND

Artigas, Uruguay

En suite with the previous lot, this is a fine "circle" of amethyst of robust proportions, measuring 2 inches in its thickness. The interior cavity lined with large violet crystals of strong saturation. *Measuring 19 1/2 x 15 x 2 in*

\$1,500 - 2,000

3192

LARGE AMETHYST HEART WITH CUSTOM STAND

Artigas, Uruguay

A fine geode section which has been formed into a heart-shaped sculpture. The violet amethyst crystals which measure up to 2 1/2 inches in size are immense and lustrous and of high transparency. *Measuring 14 x 13 x 4 in*

\$2,000 - 3,000



3193

3193

AMETHYST GEODE "RING"

Artigas, Uruguay

A fine large section of a geode cut as a cross-section and displaying large violet colored crystals. *Measuring 15 x 9 x 2 in*

\$1,000 - 1,500

To be sold without reserve

3194

DOUBLE AMETHYST "ROSE" ON STAND

Brazil

Two large amethyst radiating clusters of giant violet colored amethyst crystals on a bed of amethyst are the outstanding features of the large display specimen. The luster is superb. *Measuring 12 x 9 x 6 in*

\$1,500 - 2,000

To be sold without reserve

3195

AMETHYST HEART-FORM SCULPTURE WITH CUSTOM STAND

Brazil

A geode wall section, polished into a heart-shaped form, featuring very large, rich violet crystals measuring up to 1/2 inches along the edge, which display excellent luster. With natural geode surface to the reverse side. *Measuring 9 1/2 x 8 x 2 in*

\$800 - 1,200

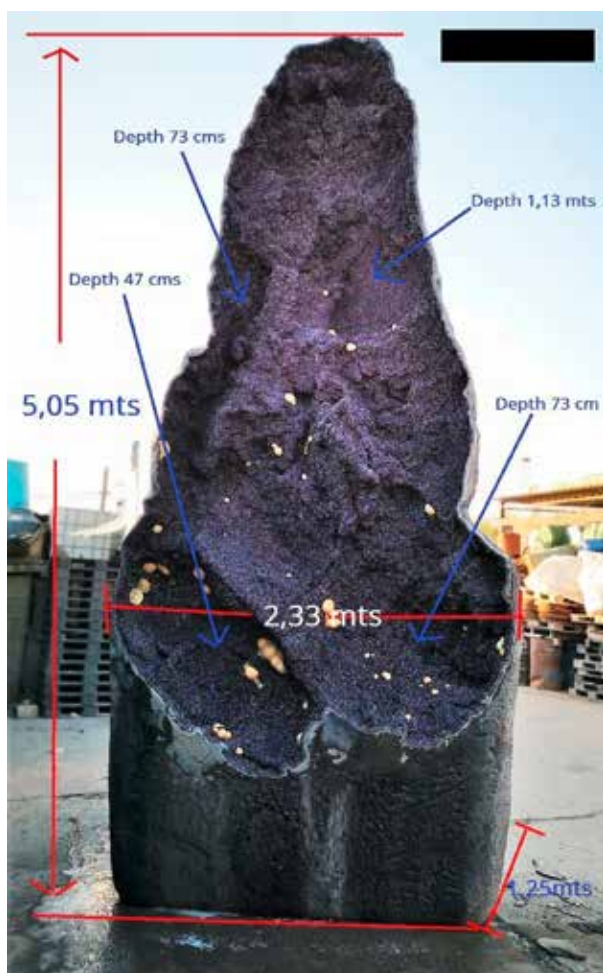
To be sold without reserve



3194



3195



3196^W

ONE OF THE LARGEST AMETHYST GEODES IN THE WORLD— "THE PRINCESS OF URUGUAY"

Artigas, Uruguay

Discovered in 2018 about 50 meters below the surface in an old lava flow of a volcano, this specimen is arguably one of the largest and best Uruguayan geodes to emerge on the market. With its vivid, violet amethyst color and the presence of very rare yellow hemispherical calcite crystals, this is a world-class specimen without peer. The quartz crystals are composed of silicon dioxide--the color comes from metal oxides, in the case of amethyst from tetravalent iron, and the darker it is, the more valuable it is. Depending on the light and the angle of observation, one can see various lilac, rose and bluish amethyst hues. The luster of the crystals is exceptional for a specimen of this size and there is scintillation of light--a veritable sparkling of thousands of stars deep within the geode cavity. Convoluted ridges abound, as well as mound formations which emerge from the geode. A spectacular specimen of exceptional quality this is, to the best of our knowledge, the largest available amethyst in the marketplace and the largest to be offered at public auction. *Weighing approximately 13 to 15 metric tons (13,000 to 15,000 kilos or 28,660 to 33,069 lbs). Measuring 5.05 x 2.33 x 1.25 meters (16.4 x 7.54 x 4.10 feet)*

\$300,000 - 400,000

This lot is to be sold "in situ" from a warehouse in Germany. Please contact the Natural History Department for further information.



(detail)





3197

3197

**AMETHYST ON MATRIX WITH BOTH
PHANTOM AND ENHDROYO INCLUSIONS**

Brandberg, Erongo Region, Namibia

A cluster of two or three larger amethyst quartz crystals, the largest of which, measuring 5 cm along the edge, displays both phantoming of a richer violet stage of growth and the rare feature of an enhydro inclusion (water bubble) which moves from side to side when the specimen is rotated. Measuring 3 1/2 x 2 x 2 1/2 in

\$800 - 1,200

To be sold without reserve

3198

ENHYDRO AMETHYST ON MATRIX

Brandberg, Erongo Region, Namibia

A small cabinet specimen featuring a single larger, pale amethyst crystal with an enhydro (water bubble), and having other smaller crystals on the surface of the matrix. Measuring 3 x 2 x 1 1/4 in

\$400 - 600

To be sold without reserve



3198

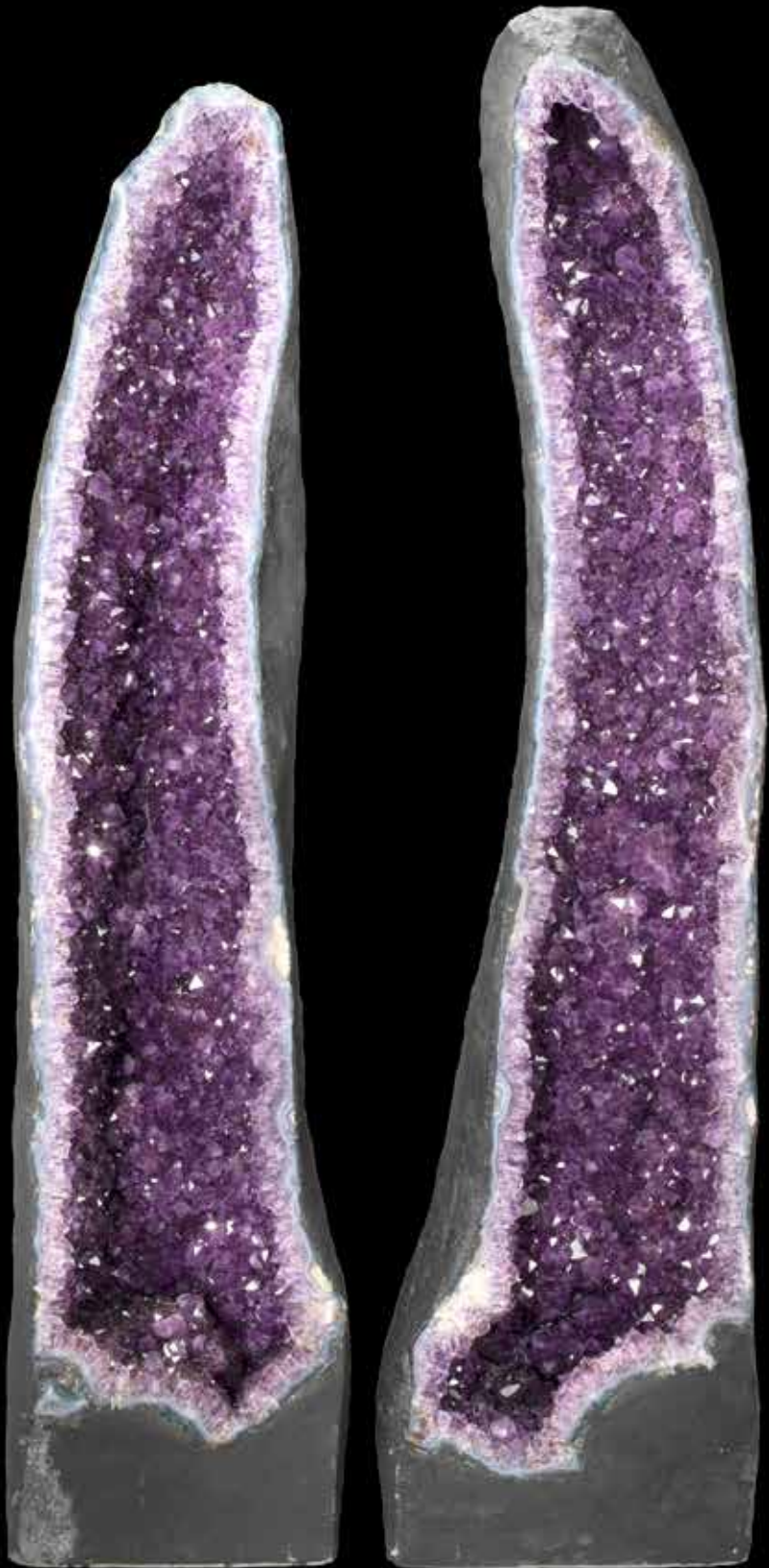
3199^W

LARGE AMETHYST GEODE PAIR

Brazil

A gorgeous geode, replete with desirable deep purple crystals, has been sliced in half to reveal its crystalline treasure. The highly decorative pair would be equally at home as an interior design focal point or as an addition to a fine mineral collection. *Measuring 57 x 14 ½ x 9 ½ in, and 53 x 12 x 9 in, respectively (2)*

\$5,000 - 7,000





3200



3201



3203

3200

AURICALCITE/HEMIMORPHITE

Kipushi Mine (Formerly the Crown Prince Leopold Mine), Democratic Republic of the Congo, Zaire, Africa

A fine small cabinet specimen displaying vivid blue color and a most unusual intergrowth of two associated minerals aurichalcite and hemimorphite. Weighing approximately 566 grams and measuring 4 1/4 x 3 x 2 in

\$300 - 500

To be sold without reserve

Provenance: Ex. Lawrence H. Conklin, Jr. Collection

3201

LARGE AND IMPRESSIVE CELESTITE GEODE

Madagascar

A large geode of celestite whose interior cavity is entirely lined with large, gem-like crystals of rich sky blue color. An excellent example of a Madagascar classic with lustrous crystals measuring up to 1 inch in height. Measuring 11 1/2 x 10 x 7 in

\$700 - 1,000

To be sold without reserve

3203

CROCOITE

Tasmania

A large cluster of acicular needles of brilliant reddish orange on matrix. Such specimens are rare in the marketplace due to their delicate nature. Measuring 5 x 4 1/2 x 3 in

\$2,000 - 3,000

Displayed in a clear acrylic custom-made case.



3202

CITRINE GEODE PAIR

Brazil

Enticing warm tones and well-formed crystals recommend this decorative pair, comprising a geode which has been sliced in half to reveal the treasures within. Citrine is a highly decorative quartz variety; this pair is destined to emanate vibrant cheer in an interior design scheme or to provide an eye-catching display in a mineral collection. *Measuring 39 5/8 x 21 x 12 in, and 39 5/8 x 19 1/4 x 14 1/2 in respectively (2)*

\$4,000 - 6,000



3204



3205



3206

3204

LARGE DIOPTASE CRYSTAL

Namibia

This small cabinet specimen is as fine an example as one can find of a single large crystal of diopside, with excellent termination and complex faces. The luster is vitreous and the color a rich green for which this mineral is so beloved. *Measuring 1 1/2 x 1 x 3/4 in*

\$1,200 - 1,500

3205

EMERALD CRYSTAL WITH ENHYDRO INCLUSION

Muzo Mine, Boyaca, Colombia

A small cabinet specimen which displays a unique feature: a moving water bubble or "enhydro" as such characteristics are termed in the mineral hobby. This well-formed, classic crystal features hexagonal crystal habit, lustrous faces and minute traces of quartz and schist associated at the base. *Weighing approximately 44.97 carats (8.9 grams) and measuring 28.74 x 12.67 x 12.90 mm*

\$10,000 - 15,000

Accompanied by Gemological Institute of America report number 2185181951 dated February 22, 2017 stating that the transparent to semi-transparent natural green emerald with matrix originates from Colombia and that it shows no indication of clarity enhancement.

Provenance: Published in Gems & Gemology, 2017. A reprint of the article is available upon request.

3206

FLUORITE FREE-FORM SCULPTURE

Nina de Navidad Mine, Chihuahua, Mexico

A massive free-form polished sculpture, beautifully laced with light purple running through gem-quality green fluorite, with crystallized calcite displayed on one surface. *Weighing approximately 75 lbs and measuring 21 x 17 1/4 x 7 1/2 in*

\$1,800 - 2,400



3207

3207

DEMANTOID GARNET CRYSTAL

Namibia

A part-dodecahedron of rich green demantoid garnet with naturally frosted crystal faces and good to moderate translucency. Rough specimens of this size are rare to find in the marketplace. *Weighing approximately 33.8 carats (6.7 grams) and measuring 3/4 x 3/4 x 1/2 in*

\$1,000 - 1,500

3208

GROSSULAR GARNET

Marientfluss, Kunene Region, Namibia

A small cabinet specimen of deep orange grossular garnet. The specimen is double-sided with the largest crystal measuring up to 3mm along the edge, with minute crystallization to the reverse side. *Measuring approximate 3 x 1 1/2 x 1/2 in*

\$500 - 700

To be sold without reserve

3209

SPESSARTINE GARNET AND SMOKY QUARTZ ON MATRIX

A small cabinet specimen which is like a jewel, with dark, lustrous smoky quartz crystals, and rich reddish orange spessartite crystal on a matrix. *Measuring 2 3/4 x 1 3/4 x 1 1/2 in*

\$800 - 1,200



3208



3209



3210



3211

3210

SPESSARTINE GARNET AND SMOKY QUARTZ

China

A cluster of smoky quartz crystals on a bed, with an overgrowth of bright orange spessartite crystals.

Measuring 6 x 3 1/2 x 1 in

\$1,000 - 1,500

3211

SPESSARTINE GARNET AN SMOKY QUARTZ

China

A fine cluster of robust smoky quartz crystals, measuring up to 2 in along the edge, with a overgrowth of bright orange spessartite crystals, with a clear demarcation line of where the growth halted.

Measuring 3 1/2 x 3 x 2 1/2 in

\$1,200 - 1,500



3212

LARGE GOGOTTE SPECIMEN

Oligocene

Fountainbleu, France

Truly a natural wonder, this gogotte formed within turbid waters which were saturated with calcium carbonate thirty million years ago: Superheated water extruded through crevices into a deposit of extraordinarily fine white silicate sand; over eons, swirls and eddies coalesced into a gorgeous sculpture-like form. Tiny quartz crystals produce the subtle sparkle of the surface. Offered on a custom steel stand surmounting a black shale slab. *Measuring 14 x 8 x 5 1/2 in; Height, including base, measuring 18 3/4 in*

\$4,000 - 6,000



3213

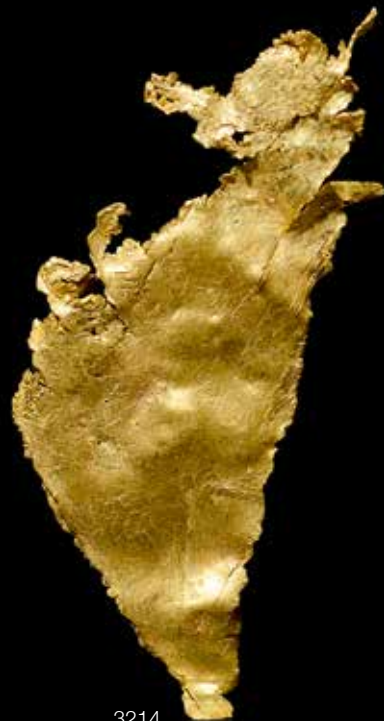
3213

SCULPTURAL GOLD SPECIMEN

Kalgoorlie, Western Australia

A naturally "flattened" gold specimen with great visual character shaped by tectonic forces, with a thickness of approximately 2mm in many areas, having a warm patina and hints of Australian Outback dirt in the crevices. *Weighing approximately 1.04 oz (32.3 grams) and measuring 2 1/4 x 1 1/2 x 1/4 in*

\$2,800 - 3,500



3214

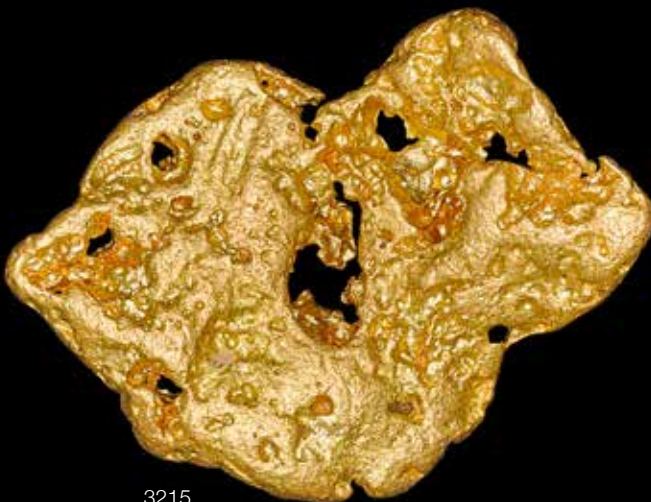
3214

RARE, LARGE LEAF GOLD SPECIMEN FROM PAPUA NEW GUINEA--"THE SEAHORSE"

Edie Creek region, Wau Province, Papua New Guinea

The Edie Creek area has been a historic gold and silver mining area since 1926. Located about 5 km south-west of Wau, it was the center of one of the first major gold rushes in Papua New Guinea before World War II. It is particularly rare to find leaf gold in this locality. The present specimen is zoomorphic and is said to resemble a seahorse. There are small trigonal crystals evident on the surface. This fine specimen originates from an old collection and was originally discovered in the 1960s. It has been housed in a private Tasmanian collection since and will soon be a published piece featured in a forthcoming book on the subject of gold. It is no longer possible to export gold from Papua New Guinea and only those specimens are available which were exported long ago which are in private collections elsewhere. *Weighing approximately 3.1 grams. Height 2 1/4 in*

\$2,000 - 3,000



3215

3215

GOLD NUGGET--"THE LIPS"

Western Australia

Forming the outline of a pair of lips, this natural nugget has a bright patina and numerous naturally pierced holes. *Weighing approximately 45.1 grams (1.45 oz) and measuring 1 3/4 x 1 1/4 x 2/8 in*

\$3,000 - 4,000



3216

3216

NEVADA CRYSTALLIZED GOLD SPECIMEN

Round Mountain Mine, Nye County, Nevada

A "feathery" and exquisite gold specimen of slightly arborescent form, with some herringbone pattern and crystallization to the edges. Weighing approximately 4.20 grams (0.13 ozt) and measuring 5.0 x 2.0 x 0.2 cm

\$1,800 - 2,500

3217

NEVADA CRYSTALLIZED GOLD SPECIMEN

Round Mountain Mine, Nye County, Nevada

A fine and exemplary specimen of crystallized gold having large platelet-like formations, particularly to the edges, and a bright and lustrous "leaf" gold surfaces to the reverse side. Weighing approximately 5.88 grams (0.189 ozt) and measuring 4.7 x 2.5 x 1.0 cm

\$2,000 - 3,000

3218

CALIFORNIA LEAF GOLD SPECIMEN

Harvard Mine, Jamestown, Tuolumne County, California

A rare, yet classic specimen of California leaf gold, with a lustrous face and exhibiting some trigonal crystal habits to the edges. Weighing approximately 3.69 grams (0.12 ozt) and measuring 4.0 x 2.1 x 0.2 cm

\$2,000 - 3,000



3217



3218



3219

3219

LARGE LAPIS LAZULI FREE-FORM SCULPTURE

Afghanistan

Having an elegant, elongated appearance, contour polished to reveal the rich variations in color from bright gem-grade blue lapis to whitish-grey bands of associated calcite. This is a stunning and dramatic piece capable of standing on its own. *Weighing approximately 40 kilos and measuring 31 x 7 1/2 x 4 in*

\$1,500 - 2,000



3220

3220

TALL LAPIS LAZULI SCULPTURE

Afghanistan

A tall, elongated sculpture, completely polished on all sides, of gem-grade rich blue lapis lazuli with flecks of pyrite. A stunning and elegant visual display due to its vertical presentation. *Weighing approximately 12 kilos and measuring 24 1/2 x 7 x 2 in*

\$1,500 - 1,800



3221



3222

3221

LARGE LAPIS LAZULI FREE-FORM SCULPTURE

Afghanistan

The mineral of Kings, semiprecious Lapis Lazuli has been treasured since antiquity for its intense blue color. The present specimen is a large, decorative boulder and the reverse side is graced with an overgrowth of golden pyrite. *Weighing approximately 21.0 kg (46.4 lbs) and measuring 13 x 10 x 5 in*

\$500 - 700

To be sold without reserve

3222

MANGANOCALCITE

China

A large cabinet specimen consisting of two conjoined crystals of translucent, milky rose pink, with complex faces of mangano-calcite, capable of standing on its own. *Measuring 7 x 5 x 4 1/2 in*

\$800 - 1,200



3223^W

**IMMENSE CALIFORNIA NEPHRITE JADE SLAB ON
REMOVABLE BASE**

Big Sur, California

This is an exceptionally rare slab of nephrite from the sought-after source of the Big Sur coastline of California. Most specimens found in the region are relatively small beach tumbled rocks. The slab is complete on all edges and exhibits the natural rind of the original boulder. Raised on a concrete and metal base. *Measuring 54 x 36 x 1 1/2 in*

\$4,000 - 6,000



3224

RICH GREEN NEPHRITE JADE SLAB

Afghanistan

Of elongated outline, suitable for use as a coffee table or sofa table, with natural rind of the original boulder on all edges and a beautifully polished face which reveals the rich spinach green interior. *Measuring 39 x 12 x 1 1/2 in*

\$2,000 - 3,000



3225

LARGE QUARTZ POINT

Minas Gerais, Brazil

Many millions of years in the making, this large, gorgeous quartz crystal point exemplifies the finest quality specimens from one of the world's preeminent sources of quartz. This massive point has been professionally polished on all surfaces producing an aesthetically spectacular presentation. *Measuring 27 1/2 x 10 1/2 in*

\$25,000 - 35,000



3226

3226

QUARTZ WITH CALCITE AND PREHNITE

Brandberg, Erongo Region, Namibia

A cluster of small translucent calcite crystals are in association with celadon green crystallized prehnite crystals on a layer of quartz.

Measuring approximately 4 1/2 x 3 1/2 x 1 1/2 in

\$600 - 800

To be sold without reserve



3227

3227

BLUE SAPPHIRE CRYSTALS IN MATRIX--"THE BLUEBIRD NEST"

Ilmen Mountains, Afghanistan

A crystal cluster of "rose" formation, comprising flat blue crystals with some translucency at the edges. *Weighing approximately 199.3 grams and measuring 2 3/4 x 2 x 1 3/4 in*

\$500 - 700

To be sold without reserve



3228

3228

BLUE SAPPHIRE CRYSTAL AND MATRIX

Pamir Mountains, Viloyati Maktori Gorno, Badakhshan, Tajikistan

Giving the appearance of a "light saber" emerging from the matrix which displays micaceous luster. *Weighing approximately 302.5 grams and measuring 3 3/4 x 3 x 1 1/2 in*

\$500 - 700

To be sold without reserve

3229

SAPPHIRE CRYSTAL

Wet Lu, Myanmar

A large, single crystal of sapphire of purplish-pink hue with a flat-cleaved face, encrusted with a black secondary mineral. *Weighing approximately 380 carats and measuring 1 1/2 x 1 1/4 x 1 1/4 in*

\$500 - 700

To be sold without reserve



3229



3230



3231

3230

SERAPHINITE

Lake Baikal Region, Eastern Siberia

Seraphinite, a "gemmy" variety of the mineral clinochlore, comes from only one location northeast of Lake Baikal. Clinochlore gets its name from the Greek words for "inclined" and "green", since its structure is monoclinic and its typical color is green. Seraphinite has silvery chatoyant fibers much like charoite and a pearly (silky) luster. It is often referred to as "angel stone" since it is said to help contact angels and communicate with them. First discovered only in the 1990s and entered onto the mineral market only very recently the mineral has quickly gained acceptance for its metaphysical and healing properties. However, the deposits of it which were found twenty years ago are no longer producing. The present specimen is a large free form contour polished specimen showing iridescent, chatoyant radiating sprays in cross section on the face. The reverse side is contour polished to reveal the botryoidal growth pattern. *Measuring 13 1/2 x 7 x 5 1/2 in*

\$800 - 1,200

3231

SILVER-IN-MATRIX

Morocco

A small cabinet specimen, with pristine white quartz matrix on grey matrix and fine dendritic silver crystals protruding in dramatic contrast. *Weighing approximately 360.4 g and measuring 3 1/4 x 2 1/2 x 2 1/4 in*

\$600 - 800

To be sold without reserve

3232

SILVER-IN-MATRIX

Morocco

A fully three-dimensional small cabinet specimen, with numerous dendritic-form silver crystals covering the surface of the pristine white quartz matrix. *Weighing approximately 165.5 g and measuring 3 1/4 x 1 3/4 x 1 1/2 in*

\$600 - 800

To be sold without reserve



3232

3233^W

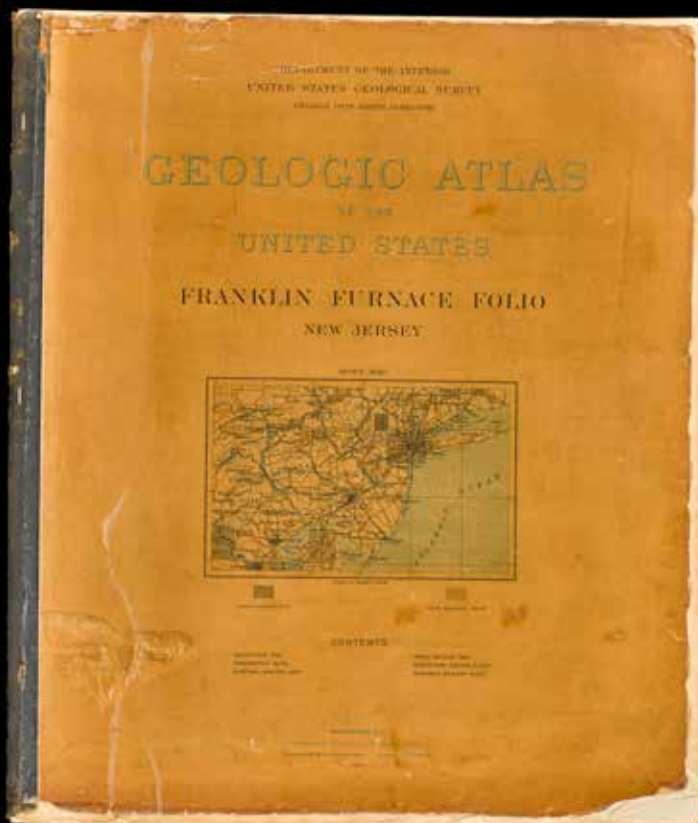
EXQUISITE TIGER IRON SLAB

Ord Ranges, Pilbara Region, Western Australia

Over two billion years ago, when tectonic plates shifted to form the Australian continent, deposits of red jasper, chatoyant tiger eye and hematite were forced together under great pressure. This marvelous ornamental gemstone is the fascinating product of these monumental geologic events. Tiger Iron is exceedingly hard, making it one of the more difficult materials to cut and polish. In the present irregularly shaped specimen, beautiful alternating veins of plentiful golden-toned tiger eye, red jasper and hematite are seen. *Measuring 77 x 27 x 1 1/2 in*

\$15,000 - 20,000





3234

MALACHITE AND COPPER RELATED MINERALS

3234

FRANKLIN FURNACE FOLIO, NEW JERSEY GEOLOGIC ATLAS

Engraved and printed by the U.S. Department of the Interior, United States Geological Survey, Geological Atlas of the United States, 1908. Including topography maps of the State of New Jersey and the Franklin Furnace Quadrangle. *Measuring 22 x 1 in*

\$200 - 300

To be sold without reserve

3235

SCULPTURAL COPPER STALACTITE ON COPPER BASE

Michigan, USA

Natural copper cave stalactite specimen which exhibits a textured surface, offered on a detachable base composed of a copper "splash" having an attractive rainbow iridescence. Miners in Upper Peninsula Michigan used to make these artistic free-form "splash" sculptures. No two are alike and the shapes are open to many different visual interpretations. Splash copper is made from pouring molten copper at 2200 degrees onto a flat surface. When the shapes are cooled, a green or turquoise colored chemical patina is applied, then highlights are buff polished to expose the glowing solid copper underneath. Copper is heated up to a staggering 2,200 degrees Fahrenheit and "splashed" onto a piece of metal to cool. Pieces are then dunked in trough of water to speed up the cooling process and after a second heating, the splash copper forms a colorful layer of patina which looks lovely and protects the copper beneath it. A fascinating contemporary sculpture. *Height 18 3/4 in*

\$800 - 1,200



3235

3236

VERY FINE MALACHITE INTARSIA VASE

Expertly carved in Russia and formed of sections of very fine quality malachite beautifully fitted for their intricate patterns of concentric banding. This is a high-level of lapidary workmanship typical of workshops in Moscow. *Measuring 12 1/2 x 5 1/2 in*

\$2,000 - 3,000



3236



3237

3237

VERY LARGE MALACHITE EGG-FORM CARVING ON CUSTOM BASE

Democratic Republic of the Congo

A large conglomerate egg-form carving of malachite raised on a removable metal base. Applied Brenda Houston plaque. *Measuring 10 1/2 x 5 in with the base*

\$600 - 800

3238

THREE MALACHITE EGG-FORM CARVINGS

Democratic Republic of the Congo

Height of largest: *height 6 x 4 in*; middle egg, *5 x 3 3/4 in*; and the smallest: *4 x 3 in*. (3)

\$300 - 500

To be sold without reserve



3238

3239

FOUR CARVED MALACHITE LIONS

Democratic Republic of the Congo

The largest lion, *measuring 10 x 4 1/2 x 4 in*, and the smallest, *measuring 5 x 3 1/4 x 1 in*. (4)

\$1,000 - 1,500

To be sold without reserve



3239



3240



3241

3240

PAIR OF MALACHITE OBELISKS

Democratic Republic of the Congo

A fine pair of mosaic malachite obelisks of classical form.

Height 32 in (2)

\$2,500 - 3,500

3241

TWO LARGE MALACHITE EGG-FORM CARVINGS

Democratic Republic of the Congo

One large, measuring 6 1/2 x 4 1/2 in; one medium, measuring 6 x 5 in. Each accompanied by a metal base with Brenda Houston applied plaque. (2)

\$600 - 800

3241A

FOUR MALACHITE ANIMAL CARVINGS

Democratic Republic of the Congo

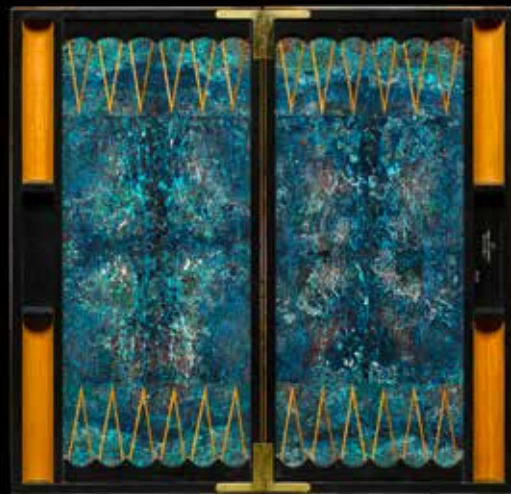
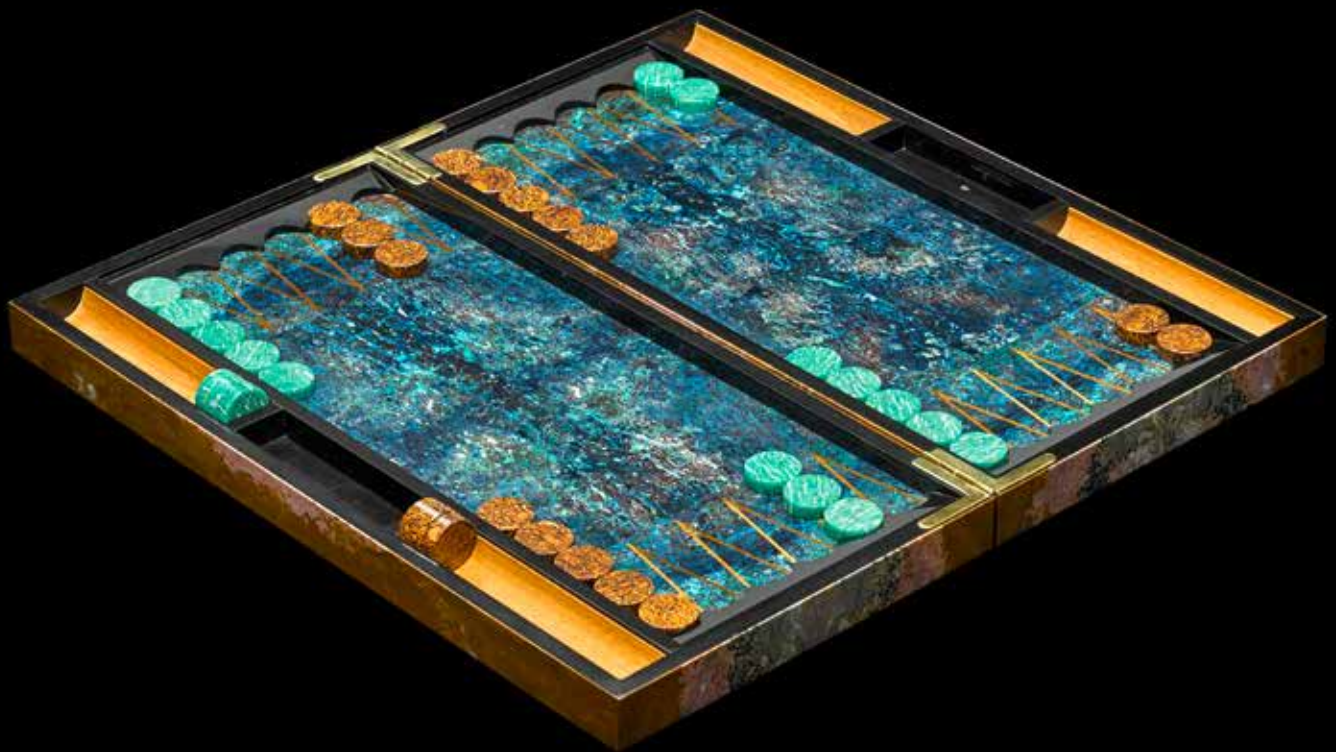
Each of stylized design, carved by a Congolese artisan, including a frog, measuring 3 1/2 x 2 1/2 x 2 in; a bird, measuring 3 x 3 x 3 in; a rhinoceros, measuring 8 1/2 x 4 x 3 in; and a hippopotamus, measuring 4 1/2 x 2 1/4 x 2 in. (4)

\$600 - 800

To be sold without reserve



3241A



3242 ▲

**ORBICULAR JASPER AND SHATTUCKITE BACKGAMMON SET
BY KONSTANTIN LIBMAN**

The exterior of this beautiful and functional backgammon set is made of large slabs of orbicular jasper from Madagascar. The hinged lid opens to reveal the inlaid interior made of sections of shattuckite from the Congo. The backgammon pieces are made of Russian ammonite and fossil-bearing jasper from India. *Measuring 15 1/4 x 8 x 2 in (closed)*

\$10,000 - 15,000
To be sold without reserve



3243



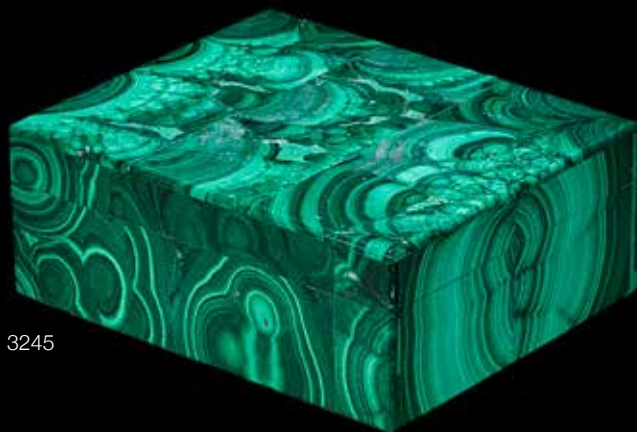
3244

3243
PAIR OF MALACHITE OBELISKS

Democratic Republic of the Congo

A fine pair of mosaic malachite obelisks of classical form. *Height 31 in (2)*

\$2,500 - 3,500



3245

3244
THREE MALACHITE OBJECTS

Democratic Republic of the Congo

Including a malachite intarsia box, measuring $5 \frac{1}{8} \times 3 \frac{5}{8} \times 2 \frac{1}{2}$ in; a malachite low bowl, measuring $6 \frac{1}{2} \times 6 \times 2$ in, and a malachite sphere, diameter 2 in. (3)

\$600 - 800

To be sold without reserve

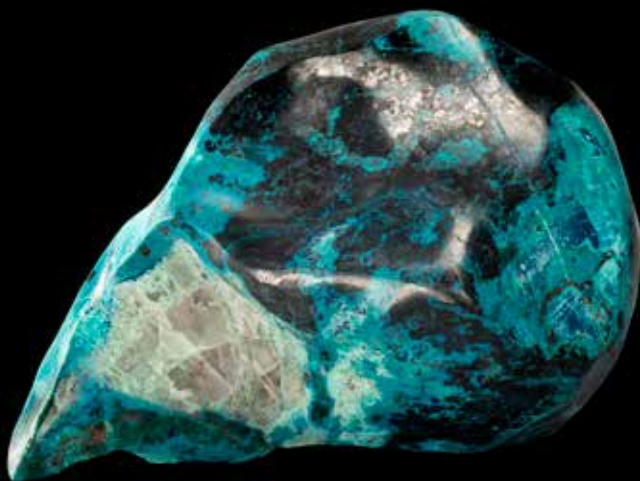
3245
MALACHITE INTARSIA BOX

Democratic Republic of the Congo

A small cabinet-sized intarsia box consisting of fine panels of vivid green malachite with concentric banding. The hinged lid opening to reveal the black velvet lined interior. *Measuring $4 \times 3 \times 1 \frac{1}{2}$ in*

\$600 - 800

To be sold without reserve



3246

3246

RARE SHATTUCKITE FREE-FORM SCULPTURE

Mexico

A large free-form, contour polished sculpture of vivid blue Shattuckite with additional complex gold mineral associates. This is a rare, large specimen for this species. *Weighing approximately 30 lbs and Measuring 15 x 10 x 9 in*

\$1,800 - 2,400

3247

CHATOYANT BULL'S EYE MALACHITE AND INLAID CHRYSOCOLLA BOX BY KONSTANTIN LIBMAN

Democratic Republic of the Congo

Comprising superbly fitted panels of malachite with excellent cat's eye effect with inlaid areas of vivid blue chrysocolla. The hinged lid opening to reveal an interior lined with wood, numbered 0674 on the base.

Measuring 8 x 6 x 2 1/4 in

\$5,000 - 7,000

Offered in a custom fitted wooden box.

3248

LARGE POLISHED MALACHITE SPECIMEN

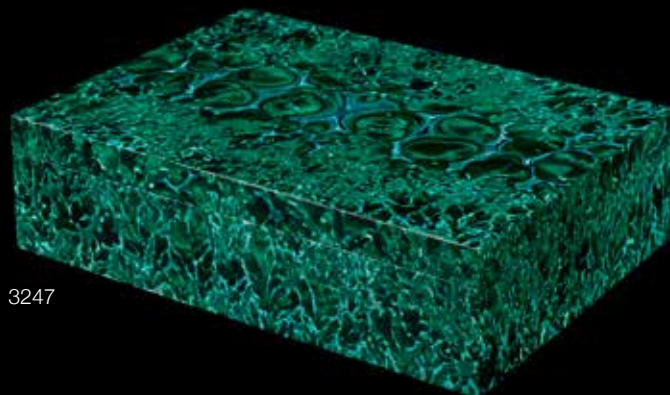
Democratic Republic of the Congo

A spectacularly impressive malachite specimen of vertical presentation, entirely contour polished to reveal the concentric patterns of banding. *Measuring 21 1/2 x 14 x 6 in*

\$2,000 - 3,000

To be sold without reserve

Accompanied by a black custom-fitted stand.



3247



3248



3249

TURQUOISE INLAY TABLE BY ZEE HAAG

Designed and fabricated by Zee Haag, Tucson, Arizona

Using material mined in Patagonia, Arizona by the artist who with his lapidary skills sliced and composited this mineral in an artistic manner adding natural matrix from the mountain and pyrite. The piece includes tens of thousand of carats of turquoise and the composition is diamond honed for a smooth finish to reveal its beauty and is bordered in forged and oxidized steel. Suitable for use as a dining table. *Diameter 48 ½ in, height 29 ½ in*

\$6,000 - 7,500



3250



3251



3252

3250

VERY LARGE BOTRYOIDAL MALACHITE ON STAND

Democratic Republic of the Congo

A large display specimen with an excellent horizon line and horizontal presentation, suitable for use as a scholar's rock or mantelpiece display. With multiple bull's eyes and polished areas which reveal the concentric banding. *Measuring 21 1/2 x 8 x 6 1/2 in*

\$1,500 - 2,500

To be sold without reserve

Accompanied by a custom-fitted stand.

3251

LARGE POLISHED MALACHITE

Democratic Republic of the Congo

Of vertical presentation, with beautifully polished surfaces revealing an unusual striated pattern of growth. *Measuring 15 x 11 x 6 in*

\$1,500 - 2,000

To be sold without reserve

Accompanied by a custom-fitted base.

3252

POLISHED MALACHITE SPECIMEN WITH BULL'S EYES

Democratic Republic of the Congo

A dramatic specimen with a vertical presentation, entirely polished, the botryoidal growth habit polished to reveal an interior pattern of stalactite bull's eyes. *Measuring 15 x 11 x 6 in*

\$1,500 - 2,000

To be sold without reserve

Accompanied by a custom-fitted base.



3253

AZUR-MALACHITE INLAID TABLE BY ZEE HAAG

Designed and fabricated by Zee Haag

Mined by the artist himself from the 4850 ft. Bench, Morenci, Arizona, USA

Comprising inlaid azur-malachite which includes bull's eye formations and concentric banding. Honed with a diamond finish to reveal the beauty of the gems, mounted in forged and oxidized steel to function as a hall or sofa table. *Measuring 55 x 18 x 34 1/4 in*

\$4,500 - 6,000



3254

**GEM-ENCRUSTED MALACHITE AND MOTHER-OF-PEARL
CHESS SET BY KONSTANTIN LIBMAN**

Designed by Konstantin Libman and Ivanna Harchenko

Silversmith: Denis Vedernikov

The board comprised of intarsia squares of malachite and mother-of-pearl. The chess pieces carved of malachite and white agate, mounted with hand-fabricated 0.925 silver, *weighing approximately 1,946 grams*. The pieces are accented with emeralds, *weighing approximately 14.23 carats*, and peridots, *weighing altogether 8.48 carats*, as well as black and white cultured pearls. Raised on four silver feet designed in the form of pine cones. *Chess board measures 12 x 12 x 1 1/4 in*

\$25,000 - 30,000

Offered in a custom-fitted wooden presentation case.





3255

3255

MALACHITE WITH CHRYSOCOLLA

Democratic Republic of the Congo

A large polished specimen for room display, displaying concentric banding, some bull's eyes and swirling patterns of vivid blue chrysocolla intergrown with the malachite.

Measuring 16 x 9 x 5 in

\$1,200 - 1,800

To be sold without reserve

Accompanied by a custom-fitted stand.



3256

3256

LARGE POLISHED MALACHITE AND CHRYSOCOLLA SPECIMEN WITH BULL'S EYES

Democratic Republic of the Congo

Of imposing size, this polished malachite and chrysocolla specimen has numerous stalactite formation which had their tops polished off in order to reveal bull's eye formations.

Measuring 14 x 10 x 4 in

\$1,500 - 2,000

To be sold without reserve

Accompanied by a custom-fitted base.



3257

3257

MALACHITE LANDSCAPE STONE

Democratic Republic of the Congo

Of elegant elongated form, this tall specimen has a richly convoluted surface. *Measuring 16 x 6 x 4 in*

\$1,500 - 2,000

To be sold without reserve

Accompanied by a custom-fitted base.



3258

3258

LARGE ROUGH CHRYSOCOLLA BOULDER

Democratic Republic of the Congo

Entirely natural and unpolished the fine, large and colorful specimen has significant presence. *Measuring 14 1/2 x 12 x 6 in*

\$1,000 - 1,500

To be sold without reserve

Accompanied by a custom-fitted base.



3259

CHRYSOCOLLA INLAID TABLE BY ZEE HAAG

Originating from an unidentified location in Mexico, the rough used for this inlaid table is chrysocolla-malachite and matrix. Honed to a fine diamond polish to reveal the lively inner beauty of the mineral. Bordered by forged and oxidized steel, suitable for use as a hall table or sofa table. *Measuring 55 x 18 x 34 1/4 in*

\$4,500 - 6,000



3260



3261



3262

3260

POLISHED MALACHITE

Democratic Republic of the Congo

Rich patterns of concentric banding figure prominently in this mid-sized specimen of polished malachite. *Measuring 9 x 8 1/2 x 5 in*

\$600 - 900

To be sold without reserve

Accompanied by a custom-fitted base.

3261

MULTI-COLOR STALACTITE GROUP

Democratic Republic of the Congo

A fascinating, large room-sized display specimen consisting of a cluster of stalactites, *measuring up to 7 1/2 inches in height*, having a rich coloration of ochre and black over its botryoidal growth habit. *Measuring 10 x 9 x 8 in*

\$800 - 1,200

To be sold without reserve

Accompanied by a custom-fitted stand.

3262

VERY LARGE CHRYSOCOLLA BOULDER WITH STAND

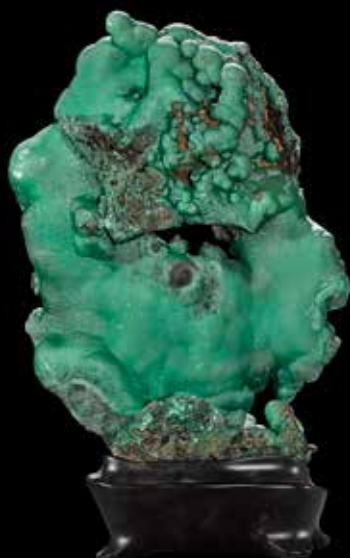
Democratic Republic of the Congo

A very large and impressive display specimen of natural and unpolished chrysocolla with some malachite at the edges. *Measuring 28 x 18 1/2 x 8 3/4 in*

\$3,000 - 4,000

To be sold without reserve

Accompanied by a custom-fitted base.



3263

3263

MALACHITE SPECIMEN WITH A PIERCED HOLE

Democratic Republic of the Congo

A fascinating naturally pierced hole lends visual interest to this large room-sized display specimen. *Measuring 13 x 9 x 3 in*

\$800 - 1,200

To be sold without reserve

Offered on a custom-fitted base.



3264

3264

LARGE POLISHED MALACHITE EXTERIOR WITH DRUZY INTERIOR

Democratic Republic of the Congo

Of vertical presentation, this very large display specimen is suitable for room display. The specimen has an internal vug area with drusy surfaces and a stalacmite, with two broken tips now polished to reveal the interiors with concentric banding. The entire specimen, polished on all sides and suitable for three-dimensional display. *Measuring 18 x 8 x 7 in*

\$2,000 - 4,000

To be sold without reserve

Accompanied by a custom-fitted stand.



3265

3265

TWO CHATOYANT MALACHITE SPECIMENS

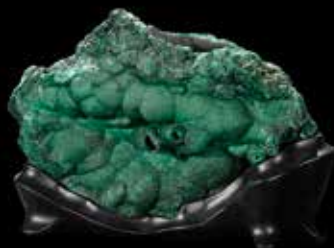
Democratic Republic of the Congo

Two fibrous specimens of malachite, displaying a shimmering cat's eye effect. *Measuring 11 1/2 x 11 x 8 in and 7 x 5 x 3 1/2 in (2)*

\$2,000 - 3,000

To be sold without reserve

Each accompanied by a custom-fitted base.



3266

3266

TWO MALACHITE SPECIMENS

Democratic Republic of the Congo

Two fine malachite specimens, one with vertical presentation and the other horizontal, both showing botryoidal growth habit. *Measuring 10 x 6 x 3 1/2 in and 8 x 6 x 3 1/2 in (2)*

\$500 - 700

To be sold without reserve



3267



3268

3267

"LANDSCAPE-STYLE" MALACHITE SPECIMEN

Democratic Republic of the Congo

A large landscape style malachite specimen showing botryoidal growth habit of horizontal presentation. *Measuring 16 x 5 1/2 x 5 in*

\$600 - 900

To be sold without reserve

Accompanied by a custom-fitted stand.

3268

IMPRESSIVE MALACHITE SPECIMEN--"THE RECUMBENT ELEPHANT"

Democratic Republic of the Congo

A fine malachite specimen of large scale, having an excellent mound formation the outline of which is reminiscent of a recumbent elephant. *Measuring 21 x 12 1/2 x 10 in*

\$3,000 - 5,000

To be sold without reserve



3269

3269

AGATE TABLE LAMP WITH WHITE SHADE

Brazil

A gorgeous polished natural agate slice has been transformed into a marvelous - and useful - object d'art. Intact natural edges, sparkling crystals in an interesting void and lovely neutral coloring make this a wonderful display. The translucency of the agate imparts a beautiful glow when back lit. Offered with a white custom shade; on an attractive metal base. *Agate slab measuring 13 x 10 in with an overall height of 27 in*

\$800 - 1,000

3270

THREE LARGE AGATE EGG-FORM CARVINGS ON STANDS

Brazil

The largest egg of grey, purple and reddish brown with a natural cavity having crystallization, *height 10 1/2 x 6 1/2 in*; the middle, white and purple with brown concentric banding, *measuring 8 x 4 in*; the other, grey and peach with black spots, *measuring 8 x 4 in (heights inclusive of stands)*. Each on a removable metal base, Brenda Houston plaque. (3)

\$200 - 300

3271

LARGE MULTI-COLOR AGATE EGG-FORM CARVING ON BASE BY BRENDA HOUSTON

A large scale egg-form carving of dark brown agate with charcoal grey, white and red and peach hues. The custom metal base attached, with Brenda Houston applied plaque. *Height 11 1/2 x 6 1/2 in with the base*

\$400 - 600

To be sold without reserve



3270



3271



3272

3272^W

MAGNIFICENT INDONESIAN PETRIFIED WOOD TABLE

Indeterminate species

Miocene

Java, Indonesia

Destined to become a stunning interior design focal point, an unusually large pair of butterfly-cut slabs of spectacular Indonesian petrified wood have been fashioned into a marvelous table or desk. Also distinguishing the stunning material is an area of sparkling crystals, which formed within the wood as it fossilized. Indonesian petrified wood is characterized by softer patterning and more neutral colors than fossilized wood from other localities. The present specimen is of uncharacteristically generous size for its locality of origin. Offered atop an elegant custom laser cut metal base with brushed brass finish. *Measuring 99 1/2 x 34 1/2 x 29 in*

\$15,000 - 18,000

3273

BROWN AGATE BOWL

Brazil

Of free-form outline with some translucency, with rich browns and highlights, polished to the interior and exterior. *Measuring 10 x 6 1/2 x 3 1/2 in*

\$300 - 500

To be sold without reserve



3273



3274

3274^W

PETRIFIED WOOD COFFEE TABLE

Araucarioxylon

Triassic

Chinle Formation, Arizona

A longitudinal cut distinguishes this attractive petrified wood coffee table, which is destined to beautifully grace a home or office.

Measuring 72 x 32 in

\$12,000 - 18,000

3275

SET OF THREE AGATE BOWLS BY BRENDA HOUSTON

Brazil

Of free-form outline, each with good translucency. The first, white with blue, brown veining, some crystalization, *measuring 11 1/2 x 8 x 6 1/2 in.* The second, purple with white concentric banding with some translucency, *measuring 13 x 10 1/2 x 4 1/4 in.* The smallest, white with concentric brown and purple lines, *measuring 8 1/2 x 6 x 2 1/2 in.* Each with Brenda Houston, Exclusive Jewels for the Home applied plaque. (3)

\$600 - 800

3276

THREE WHITE AGATE EGG-FORM CARVINGS

Brazil

The largest egg, featuring coffee, indigo and white colors, *measuring 13 x 8 1/2 in.*; the second, of white, lavender and rust color, *measuring 6 1/2 x 4 1/2 in.*; and the third, white with smoke grey and yellow, *measuring 2 1/2 x 2 in.* (3)

\$200 - 300

To be sold without reserve



3275



3276



3277



3278

3277

BASALITE LUMINAIRE

Madagascar

A free-form polished boulder with four recessed holes suitable for housing tea lights.
Measuring 20 x 16 in

\$500 - 700

To be sold without reserve

3278

PURPLE LIGHT - MINERAL AND GLASS SCULPTURE

Brazil

Merging nature's beauty with the artist's hand, a handmade purple glass phuse, displaying cloud-like visual texture within, rests between two extra large natural Brazilian amethyst crystal points. A marvelous creation of nature, combined with virtuoso craftsmanship by the artist. *Measuring 18 1/2 x 16 x 3 1/2 in*

\$6,000 - 9,000

Provenance: Created by Mexican artist, Orfeo Quagliata.



3279

**AMMONITE AND MULTI-GEM INTARSIA
TABLE BY ZEE HAAG**

*Designed and fabricated by Zee Haag,
Tucson, Arizona*

A unique and functional inlaid table which includes labradorite, Madagascar ammonites, pyrite, citrine and sugillite, honed with a diamond finish to reveal the beauty of the gems, mounted in forged and oxidized steel. Suitable for use as a dining table.
Measuring 47 inches square. Height 31 ½ in

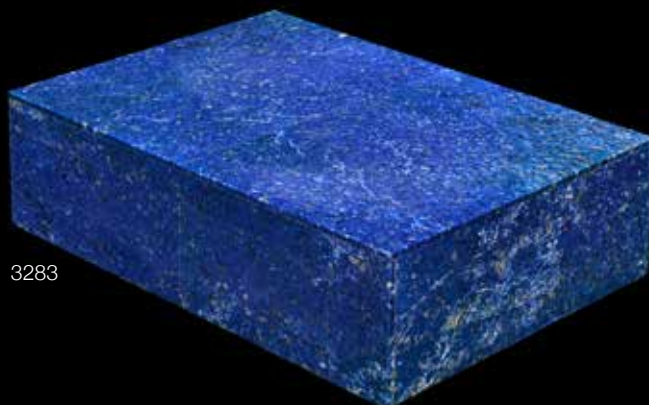
\$5,000 - 6,000



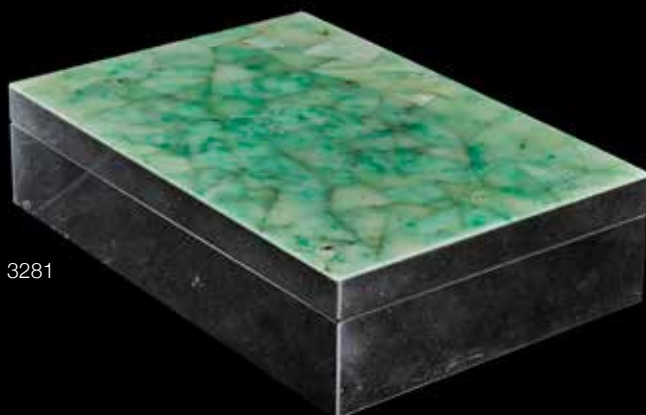
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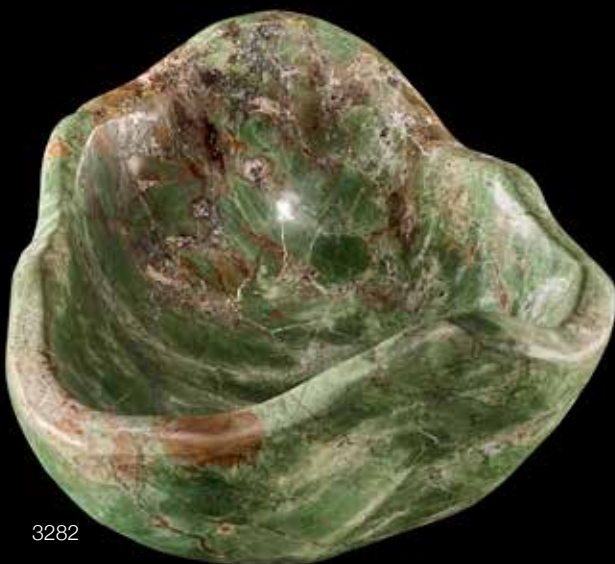
3280



3283



3281



3282

3280

CHAROITE INTARSIA BOX

Russia

The lid, formed of two large, book-matched slabs of charoite with excellent chatoyancy to the fibrous charoite. The hinged lid opening to reveal a black velvet lined interior. *Measuring 6 1/4 x 4 1/4 x 1 3/4 in*

\$2,500 - 3,000

3281

CHRYSOPRASE MOSAIC BOX BY KONSTANTIN LIBMAN

The lid, formed of irregular geometric-shaped sections of variegated bright green Brazilian chrysoprase, aesthetically combined in an abstract overall design, with black dolorite sides. The hinged lid opening to reveal a wood lined interior. *Measuring 7 x 5 x 1 3/4 in*

\$3,000 - 5,000

3282

FREE-FORM GREEN JASPER BOWL BY BRENDA HOUSTON

Arizona

An unusual free-form bowl of jasper green, white veining and brown, with a Brenda Houston, Exclusive Jewels for the Home plaque affixed to the bottom. *Measuring 10 1/2 x 8 1/2 x 5 1/2 in*

\$300 - 500

3283

LAPIS LAZULI INTARSIA BOX WITH PYRITE

Formed of large sized continuous panels of Afghani lapis lazuli having a rich blue color, with an interesting speckled effect of minor calcite and flecks of pyrite. Beautifully book-matched at the seams to appear continuous in color. The hinged lid opening to reveal a velvet lined interior. *Measuring 8 x 5 1/2 x 2 1/4 in*

\$2,500 - 3,000



3284



3284

THREE GREY BANDED ONYX MIRROR FRAMES

Mexico

Of circular outline, each formed of curved sections of banded onyx honed with a matte finish. In graduated sizes with diameters of: 23 1/2 in; 19 1/2 in and 16 in (3)

\$1,000 - 1,500

3285

BROWN AND WHITE ONYX BOWL BY BRENDA HOUSTON

Mexico

Free-form, of roughly triangular outline, showing some concentric banding and white veining, slightly translucent in some areas. *Applied plaque to the bottom inscribed: Brenda Houston, Exclusive Jewels for the Home. Measuring 15 x 11 1/2 x 4 1/2 in*

\$300 - 500



3285

3286

PETRIFIED WOOD BOWL

Madagascar

Of free-form design featuring red, brown, beige and highlights of white with rose. *Measuring 12 x 3 1/2 in*

\$600 - 800



3286



3287^W

LARGE PAIR OF ONYX ILLUMINATED OBELISKS ON BASES

Mexico

This rare onyx is called Naca. The obelisk type crystal shape onyx towers were hand fabricated out of a rare and beautiful white translucent onyx. The accompanying pedestals/ bases are made of black and grey marble and custom fitted for the onyx crystals.

This stunning and extremely rare onyx comes From only one mine in the world near Puebla Mexico. It is a striking ice white translucent sometimes with hints of mint green. The piece are hand cut then pieced together with precise geometry to fit and be balanced. After the assembly each panel is painstakingly hand polished to a mirror glass like finish.

These rare one of a kind crystal shapes are unique in all the land. They sit on black square hand made pedestals of black and white marble also polished.

The pair are illuminated from within and emit a white light glowing in the night. The end result is a pair of stunning illuminated unique exceptionally beautiful art pieces with prominent presence. Offered on custom-made black and white marble bases. *Measuring 20 x 10 x 70 in without base; 20 x 10 x 90 in with base (2)*

\$9,000 - 12,000



3288

SUPERB QUARTZ SPHERE

Minas Gerais, Brazil

Expertly crafted and polished from a single large quartz crystal specimen, this phenomenal crystal sphere boasts exquisite depth of clarity. Arising from volcanic rock, quartz crystals have been estimated to form at a rate of approximately one atomic layer per year; therefore, a two-centimeter crystal would grow over a period of ten million years. Quartz is believed to amplify energy while the spherical shape has long been believed to reveal hidden secrets through deep gazing and to provide a balanced energy distribution. *Circumference measures 45 3/4 in; Diameter Measuring 13 7/8 in*

\$25,000 - 35,000



3289

**PAIR OF OPALESCENT SELENITE CONTEMPLATION STONES
ON CUSTOM BASES BY BRENDA HOUSTON**

Each of Mexican opalescent selenite raised on lucite bases, *signed Brenda Houston. Each measuring 30 x 8 x 5 in (2)*

\$200 - 300

To be sold without reserve

3290

LARGE SEPTARIAN EGG ON CUSTOM BASE BY BRENDA HOUSTON

Mexico

A large-scale polished, decorative egg-form carving on a custom base signed Brenda Houston. *Measuring 9 1/2 x 5 in with base*

\$600 - 800

To be sold without reserve



3291

LARGE SEPTARIAN TABLETOP ON BASE

Eastern Russia

A gorgeous septarian slab, cut and polished from a gigantic septarian nodule, beautifully exhibits the fascinating nodule structure and stunning natural fracture patterns for which the most desirable septarian stone is known. Displaying enticing patterns produced by butterscotch and cream-toned *golden calcite* within a black matrix, with natural textured edges, the slab surmounts a basalt pedestal.

A stunning table. *Diameter measures 49 ¾ in; Height including base Measuring 29 1/4 in*

\$40,000 - 50,000



3292

3292

POLISHED SERPENTINE SCHOLAR'S ROCK

China

As though depicting a mountainscape, this beautiful decorative specimen of variegated spinach green serpentine has been honed to a fine polish. *Measuring 22 x 8 x 18 in*

\$900 - 1,200

To be sold without reserve

Offered on a custom-fitted wooden base.



3293

3293

STROMATOLITE INTARSIA BOX

Made in Florence, Italy

The lid formed of a large continuous slab of Bolivian stromatolite, with beautifully book-matched edges, giving the appearance of no seams. The hinged piano lid opening to reveal a black onyx lined interior *Measuring 6 x 4 x 1 1/2 in*

\$600 - 800

To be sold without reserve



3294



3295

3294

TIGER'S EYE INTARSIA BOX

Fabricated from high-graded slabs of South African tiger's eye quartz, the lid made composed of a single continuous slab as are the sides which are beautifully book-matched seams. The hinged lid, opening to reveal a black velvet lined interior. *Measuring 7 x 5 x 1 3/4 in*

\$2,000 - 2,500

3295

TIGER'S EYE INTARSIA BOX WITH BLUE TINT

A mid-sized intarsia box fabricated of South African tiger's eye having an excellent blue chatoyancy, with a lid composed of a solid slab. The hinged lid opening to reveal a black velvet lined interior. *Measuring 6 x 4 1/2 x 1 3/4 in*

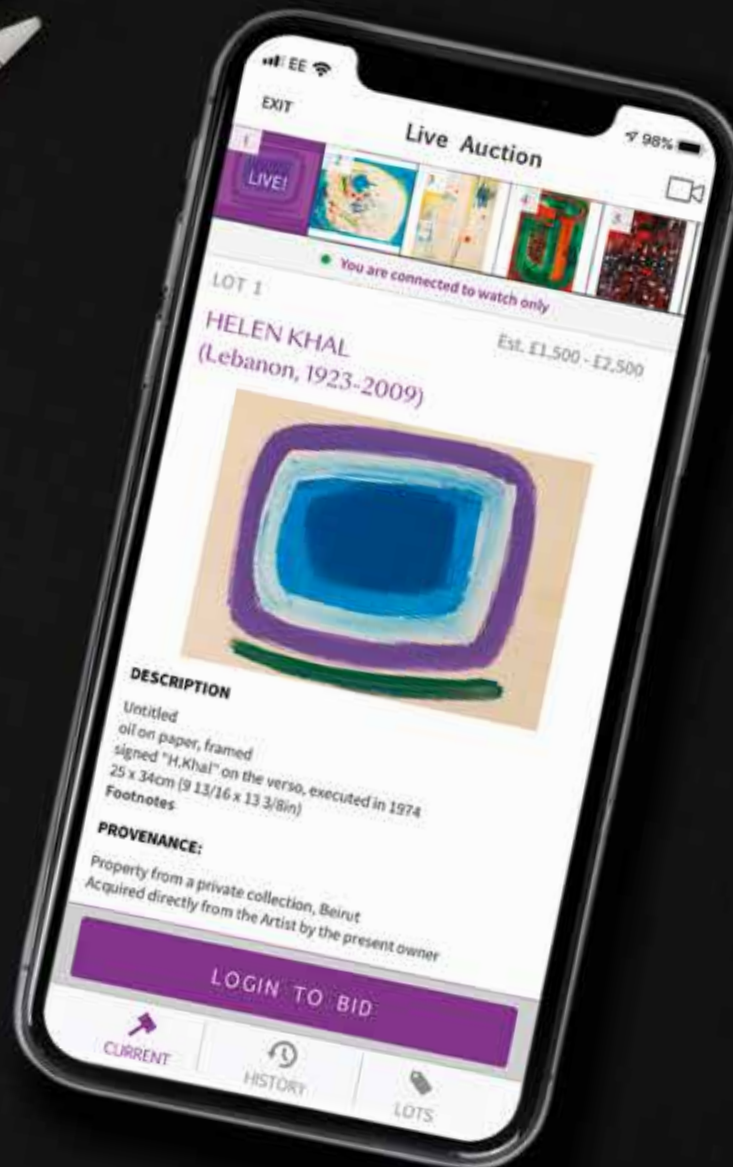
\$1,500 - 2,000

To be sold without reserve

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- (iii) Visa, MasterCard, American Express or Discover debit

or credit card issued in the name of the purchaser or record. Only one debit or credit card may be used for payment of an account balance. This method of payment may not be available to first time purchasers.

To the fullest extent permitted by applicable law, the buyer grants us a security interest in the property, and we may retain as collateral security for the buyer's obligations to us, any property and all monies held or received by us for the account of the buyer, in our possession. We also retain all rights of a secured party under the Uniform Commercial Code (which shall mean the New York Uniform Commercial Code, except where the Uniform Commercial Code of another state governs the perfection of a security interest in collateral located in that state), and you agree that we may file financing statements without your signature. If the foregoing conditions or any other applicable conditions herein are not complied with, in addition to all other remedies available to us and the consignor by law, we may at our election: (a) hold the buyer liable for the full purchase price and any late charges, collection costs, attorneys' fees and costs, expenses and incidental damages incurred by us or the consignor arising out of the buyer's breach; (b) cancel the sale, retaining as liquidated damages all payments made by the buyer; and/or (c) cancel the sale and/or resell the purchased property, at public auction and/or by private sale, and in such event the buyer shall be liable for the payment of all consequential damages, including any deficiencies or monetary losses, and all costs and expenses of such sale or sales, our commissions at our standard rates, all other charges due hereunder, all late charges, collection costs, attorneys' fees and costs, expenses and incidental damages. In addition, where two or more amounts are owed in respect of different transactions by the buyer to us, to Bonhams 1793 Limited and/or to any of our other affiliates, subsidiaries or parent companies worldwide within the Bonhams Group, we reserve the right to apply any monies paid in respect of a transaction to discharge any amount owed by the buyer. If all fees, commissions, premiums, bid prices and other sums due to us from the buyer are not paid promptly as provided in these Conditions of Sale, we reserve the right to impose a finance charge equal to 1.5% per month (or, if lower, the maximum nonusurious rate of interest permitted by applicable law), on all amounts due to us beginning on the 31st day following the sale until payment is received, in addition to other remedies available to us by law.

5. We reserve the right to withdraw any property and to divide and combine lots at any time before such property's auction. Unless otherwise announced by the auctioneer at the time of sale, all bids are per lot as numbered in the catalog and no lots shall be divided or combined for sale.

6. We reserve the right to reject a bid from any bidder, to split any bidding increment, and to advance the bidding in any manner the auctioneer may decide. In the event of any dispute between bidders, or in the event the auctioneer doubts the validity of any bid, the auctioneer shall have sole and final discretion either to determine the successful bidder, re-open the bidding, or to cancel the sale and re-offer and resell the article in dispute. If any dispute arises after the sale, our sales records shall be conclusive in all respects.

We further reserve the right to cancel the sale of any property if (i) you are in breach of your representations and warranties as set forth in paragraph 3 above; (ii) we, in our sole discretion, determine that such transaction might be unlawful or might subject Bonhams or the consignor to any liability to any third party; or (iii) there are any other grounds for cancellation under these Conditions of Sale.

7. If we are prevented by fire, theft or any other reason whatsoever from delivering any property to the buyer or a sale otherwise cannot be completed, our liability shall be limited to the sum actually paid therefor by the buyer and shall in no event include any compensatory, incidental or consequential damages.

8. All lots in the catalog are offered subject to a reserve unless otherwise indicated in the catalog. The reserve is the

Conditions of sale - Continued

confidential minimum bid price at which such lot will be sold and it does not to exceed the low estimate value for the lot. If a lot is offered subject to a reserve, we may implement such reserve by bidding on behalf of the consignor, whether by opening bidding or continuing bidding in response to other bidders until reaching the reserve. If we have an interest in an offered lot and the proceeds therefrom other than our commissions, we may bid up to the reserve to protect such interest. If the auctioneer determines that any opening or subsequent bid is below the reserve for a lot, (s)he may reject such opening bid and withdraw the item from sale. **CONSIGNORS ARE NOT ALLOWED TO BID ON THEIR OWN ITEMS.**

9. Other than as provided in the Limited Right of Rescission with respect to identification of authorship, all property is sold "AS IS" and any statements contained in the catalog or in any advertisement, bill of sale, announcement, condition report, invoice or elsewhere as to period, culture, source, origin, media, measurements, size, quality, rarity, provenance, importance, exhibition and literature of historical relevance, merchantability, fitness for a particular purpose, or physical condition ARE QUALIFIED STATEMENTS OF OPINION AND NOT REPRESENTATIONS, WARRANTIES, OR ASSUMPTION OF LIABILITY. Neither Bonhams nor the consignor shall be responsible for any error or omission in the catalog description of any property. No employee or agent of Bonhams is authorized to make on our behalf or on that of the consignor any representation or warranty, oral or written, with respect to any property.

10. All purchased property shall be removed from the premises at which the sale is conducted by the date(s) and time(s) set forth in the "Buyer's Guide" portion of this catalog. If not so removed, daily storage fees will be payable to us by the buyer as set forth therein. We reserve the right to transfer property not so removed to an offsite warehouse at the buyer's risk and expense, as set forth in more detail in the "Buyer's Guide." Packing and handling of purchased lots are the responsibility of the buyer and at the buyer's entire risk, as are the identification, application for, and cost(s) of obtaining of any necessary export, import, restricted material (e.g. endangered species) or other permit for such lots.

For an additional fee, Bonhams may provide packing and shipping services for certain items as noted in the "Buyer's Guide" section of the catalog.

11. The copyright in the text of the catalog and the photographs, digital images and illustrations of lots in the catalog belong to Bonhams or our licensors. You will not reproduce or permit anyone else to reproduce such text, photographs, digital images or illustrations without our prior written consent. Bonhams and the consignor make no representation or warranty as to whether the buyer acquires any copyrights on the purchase of an item of Property.

12. Bonhams may, in our discretion, as a courtesy and free of charge, execute bids on your behalf if so instructed by you, provided that neither Bonhams nor our employees or agents will be liable for any error or default (whether human or otherwise) in doing so or for failing to do so. Without limiting the foregoing, Bonhams (including our agents and employees) shall not be responsible for any problem relating to telephone, online, or other bids submitted remotely through any means, including without limitation, any telecommunications or internet fault or failure, or breakdown or problems with any devices or online platforms, including third-party online platforms, regardless of whether such issue arises with our, your, or such third-party's technology, equipment, or connection. By participating at auction by telephone or online, bidders expressly consent to the recording of their bidding sessions and related communications with Bonhams and our employees and agents, and acknowledge their acceptance of these Conditions of Sale as well as any additional terms and conditions applicable to any such bidding platform or technology.

13. These Conditions of Sale shall bind the successors

and assigns of all bidders and buyers and inure to the benefit of our successors and assigns. No waiver, amendment or modification of the terms hereof (other than posted notices or oral announcements during the sale) shall bind us unless specifically stated in writing and signed by us. No act or omission of Bonhams, its employees or agents, nor any failure thereof to exercise any remedy hereunder, shall operate or be deemed to operate as a waiver of Bonhams' rights under these Conditions of Sale. If any part of these Conditions of Sale is for any reason invalid or unenforceable, the rest shall remain valid and enforceable.

14. These Conditions of Sale and the buyer's and our respective rights and obligations hereunder shall be governed by and construed and enforced in accordance with the laws of the State of New York. Any dispute, controversy or claim arising out of or relating to this agreement, or the breach, termination or validity thereof, brought by or against Bonhams (but not including claims brought against the consignor by the buyer of lots consigned hereunder) shall be resolved by the procedures set forth below.

15. You accept and agree that Bonhams will hold and process your personal information and may share and use it as required by law and as described in, and in line with Bonhams' Privacy Policy, available at website at www.bonhams.com/legals/. If you desire access, update, or restriction to the use of your personal information, please email data.protection@bonhams.com.

SALES AND USE TAX

New York sales tax is charged on the hammer price, buyer's premium and any other applicable charges on any property collected or delivered in New York State, regardless of the state or country in which the buyer resides or does business. Buyers who make direct arrangements for collection by a shipper who is considered a "private" or "contract" carrier by the New York Department of Taxation and Finance will be charged New York sales tax, regardless of the destination of the property. Property collected for delivery to a destination outside of New York by a shipper who is considered a "common carrier" by the New York Department of Taxation and Finance (e.g. United States Postal Service, United Parcel Service, and FedEx) is not subject to New York sales tax, but if it is delivered into any state in which Bonhams is registered or otherwise conducts business sufficient to establish a nexus, Bonhams may be required by law to collect and remit the appropriate sales tax in effect in such state. Property collected for delivery outside of the United States by a freight-forwarder who is registered with the Transportation Security Administration ("TSA") is not subject to New York sales tax.

MEDIATION AND ARBITRATION PROCEDURES

(a) Within 30 days of written notice that there is a dispute, the parties or their authorized and empowered representatives shall meet by telephone and/or in person to mediate their differences. If the parties agree, a mutually acceptable mediator shall be selected and the parties will equally share the fees and expenses of mediation. The mediator shall be a retired judge or an attorney familiar with commercial law and trained in or qualified by experience in handling mediations. Any communications made during the mediation process shall not be admissible in any subsequent mediation, arbitration or judicial proceeding. All proceedings and any resolutions thereof shall be confidential, and the terms governing arbitration set forth in paragraph (c) below shall govern.

(b) If mediation does not resolve all disputes between the parties, or in any event no longer than 60 days after receipt of the written notice of dispute referred to above, the parties shall submit the dispute for binding arbitration before a single neutral arbitrator. Such arbitrator shall be a retired judge or an attorney familiar with commercial law and trained in or qualified by experience in handling arbitrations. Such arbitrator shall make all appropriate disclosures required by law. The arbitrator shall be drawn from a panel of a national or international arbitration service agreed to by the parties,

and shall be selected as follows: (i) If the arbitration service has specific rules or procedures, those rules or procedures shall be followed; (ii) If the arbitration service does not have rules or procedures for the selection of an arbitrator, the arbitrator shall be an individual jointly agreed to by the parties. If the parties cannot agree on an arbitration service, the arbitration shall be conducted by Judicial Arbitration and Mediation Services, Inc. ("JAMS") or another national or international alternative dispute resolution ("ADR") provider of Bonhams' choice, and the arbitrator shall be selected in accordance with JAMS' Streamlined Arbitration Rules and Procedures or the rules of the other ADR provider selected by Bonhams. The arbitrator's award shall be in writing and shall set forth findings of fact and legal conclusions.

(c) Unless otherwise agreed to by the parties or provided by the published rules of the arbitration service:

- (i) The arbitration shall occur within 60 days following the selection of the arbitrator;
- (ii) The arbitration shall be conducted in New York, New York; and
- (iii) Discovery and the procedure for the arbitration shall be as follows:
 - A. All arbitration proceedings shall be confidential;
 - B. The parties shall submit written briefs to the arbitrator no later than 15 days before the arbitration commences;
 - C. Discovery, if any, shall be limited as follows:
 - (I) Requests for no more than 10 categories of documents, to be provided to the requesting party within 14 days of written request therefor;
 - (II) No more than two (2) depositions per party, provided however, the deposition(s) are to be completed within one (1) day;
 - (III) Compliance with the above shall be enforced by the arbitrator in accordance with New York law;
 - D. Each party shall have no longer than eight (8) hours to present its position. The entire hearing before the arbitrator shall not take longer than three (3) consecutive days;
 - E. The award shall be made in writing no more than 30 days following the end of the proceeding. Judgment upon the award rendered by the arbitrator may be entered by any court having jurisdiction thereof.

To the fullest extent permitted by law, and except as required by applicable arbitration rules, each party shall bear its own attorneys' fees and costs in connection with the proceedings and shall share equally the fees and expenses of the arbitration.

LIMITED RIGHT OF RESCISSION

If within one (1) year from the date of sale, the original buyer (a) gives written notice to us alleging that the identification of Authorship (as defined below) of such lot as set forth in the UPPERCASE TYPE heading of the catalog description of such lot (as amended by any saleroom notices or verbal announcements during the sale) is not substantially correct based on a fair reading of the catalog (including the terms of any glossary contained therein), and (b) within 10 days after such notice returns the lot to us in the same condition as at the time of sale, and (c) establishes the allegation in the notice to our satisfaction (including by providing one or more written opinions by recognized experts in the field, as we may reasonably require), then the sale of such lot will be rescinded and, unless we have already paid to the consignor monies owed him in connection with the sale, the original purchase price will be refunded.

If, prior to receiving such notice from the original buyer alleging such defect, we have paid the consignor monies owed him in connection with the sale, we shall pay the original buyer the amount of our commissions, any other sale proceeds to which we are entitled and applicable taxes received from the buyer on the sale and make demand on the consignor to pay the balance of the original purchase price to the original buyer. Should the consignor fail to pay such amount promptly, we may disclose the identity of

Conditions of sale - Continued

the consignor and assign to the original buyer our rights against the consignor with respect to the lot the sale of which is sought to be rescinded. Upon such disclosure and assignment, any liability of Bonhams as consignor's agent with respect to said lot shall automatically terminate.

The foregoing limited right of rescission is available to the original buyer only and may not be assigned to or relied upon by any subsequent transferee of the property sold. The buyer hereby accepts the benefit of the consignor's warranty of title and other representations and warranties made by the consignor for the buyer's benefit. Nothing in this section shall be construed as an admission by us of any representation of fact, express or implied, obligation or responsibility with respect to any lot. **THE BUYER'S SOLE AND EXCLUSIVE REMEDY AGAINST BONHAMS FOR ANY REASON WHATSOEVER IS THE LIMITED RIGHT OF RESCISSION DESCRIBED IN THIS SECTION.**

"Authorship" means only the identity of the creator, the period, culture and source or origin of the lot, as the case may be, as set forth in the UPPERCASE TYPE heading of the print catalog entry. The right of rescission does not extend to: (a) works of art executed before 1870 (unless these works are determined to be counterfeits created since 1870), as this is a matter of current scholarly opinion which can change; (b) titles, descriptions, or other identification of offered lots, which information normally appears in lower case type below the UPPERCASE TYPE heading identifying the Authorship; (c) Authorship of any lot where it was specifically mentioned that there exists a conflict of specialist or scholarly opinion regarding the Authorship of the lot at the time of sale; (d) Authorship of any lot which as of the date of sale was in accordance with the then generally-accepted opinion of scholars and specialists regarding the same; or (e) the identification of periods or dates of creation in catalog descriptions which may be proven inaccurate by means of scientific processes that are not generally accepted for use until after publication of the catalog in which the property is offered or that were unreasonably expensive or impractical to use at the time of such publication.

LIMITATION OF LIABILITY

EXCEPT AS EXPRESSLY PROVIDED ABOVE, ALL PROPERTY IS SOLD "AS IS." NEITHER BONHAMS NOR THE CONSIGNOR MAKES ANY REPRESENTATION

OR WARRANTY, EXPRESS OR IMPLIED, AS TO THE MERCHANTABILITY, FITNESS OR CONDITION OF THE PROPERTY OR AS TO THE CORRECTNESS OF DESCRIPTION, GENUINENESS, ATTRIBUTION, PROVENANCE OR PERIOD OF THE PROPERTY OR AS TO WHETHER THE BUYER ACQUIRES ANY COPYRIGHTS OR OTHER INTELLECTUAL PROPERTY RIGHTS IN LOTS SOLD OR AS TO WHETHER A WORK OF ART IS SUBJECT TO THE ARTIST'S MORAL RIGHTS OR OTHER RESIDUAL RIGHTS OF THE ARTIST. THE BUYER EXPRESSLY ACKNOWLEDGES AND AGREES THAT IN NO EVENT SHALL BONHAMS BE LIABLE FOR ANY DAMAGES INCLUDING, WITHOUT LIMITATION, ANY COMPENSATORY, INCIDENTAL OR CONSEQUENTIAL DAMAGES. IN NO EVENT SHALL THE AGGREGATE LIABILITY OF BONHAMS AND ITS CONSIGNOR TO A PURCHASER EXCEED THE PURCHASE PRICE ACTUALLY PAID FOR A DISPUTED ITEM OF PROPERTY.

Seller's guide

SELLING AT AUCTION

Bonhams can help you every step of the way when you are ready to sell art, antiques and collectible items at auction. Our regional offices and representatives throughout the US are available to service all of your needs. Should you have any further questions, please visit our website at **www.bonhams.com/us** for more information or call our Client Services Department at +1 (323) 850 7500.

AUCTION ESTIMATES

The first step in the auction process is to determine the auction value of your property. Bonhams' world-renowned specialists will evaluate your special items at no charge and in complete confidence. You can obtain an auction estimate in many ways:

- Attend one of our Auction Evaluation Events held regularly at our galleries and in other major metropolitan areas. The updated schedule for Bonhams Auction Evaluation Events is available at **www.bonhams.com/us**.
- Call our Client Services Department to schedule a private appointment at one of our galleries. If you have a large collection, our specialists can travel, by appointment, to evaluate your property on site.
- Send clear photographs to us of each individual item, including item dimensions and other pertinent information with each picture. Photos should be sent to Bonhams' address in envelopes marked as "photo auction estimate". Alternatively, you can submit your request using our online form at **www.bonhams.com/us**. Digital images may be attached to the form. Please limit your images to no more than five (5) per item.

CONSIGNING YOUR PROPERTY

After you receive an estimate, you may consign your property to us for sale in the next appropriate auction. Our staff assists you throughout the process, arranging transportation of your items to our galleries (at the consignor's expense), providing a detailed inventory of your consignment, and reporting the prices realized for each lot. We provide secure storage for your property in our warehouses and all items are insured throughout the auction process. You will receive payment for your property approximately 35 days after completion of sale.

Sales commissions vary with the potential auction value of the property and the particular auction in which the property is offered. Please call us for commission rates.

PROFESSIONAL APPRAISAL SERVICES

Bonhams' specialists conduct insurance and fair market value appraisals for private collectors, corporations, museums, fiduciaries and government entities on a daily basis. Insurance appraisals, used for insurance purposes, reflect the cost of replacing property in today's retail market. Fair market value appraisals are used for estate, tax and family division purposes and reflect prices paid by a willing buyer to a willing seller.

When we conduct a private appraisal, our specialists will prepare a thorough inventory listing of all your appraised property by category. Valuations, complete descriptions and locations of items are included in the documentation.

Appraisal fees vary according to the nature of the collection, the amount of work involved, the travel distance, and whether the property is subsequently consigned for auction.

Our appraisers are available to help you anywhere and at any time. Please call our Client Services Department to schedule an appraisal.

ESTATE SERVICES

Since 1865, Bonhams has been serving the needs of fiduciaries – lawyers, trust officers, accountants and executors – in the disposition of large and small estates. Our services are specially designed to aid in the efficient appraisal and disposition of fine art, antiques, jewelry, and collectibles. We offer a full range of estate services, ranging from flexible financial terms to tailored accounting for heirs and their agents to world-class marketing and sales support.

For more information or to obtain a detailed Trust and Estates package, please visit our website at **www.bonhams.com/us** or contact our Client Services Department.

Buyer’s guide

BUYING AND BIDDING AT AUCTION

Whether you are an experienced bidder or an enthusiastic novice, auctions provide a stimulating atmosphere unlike any other. Bonhams previews and sales are free and open to the public. As you will find in these directions, bidding and buying at auction is easy and exciting. Should you have any further questions, please visit our website at www.bonhams.com or call our Client Services Department at +1 (212) 644 9001.

Catalogs

Before each auction we publish illustrated catalogs. Our catalogs provide descriptions and estimated values for each "lot." A lot may refer to a single item or to a group of items auctioned together. The catalogs also include the dates and the times for the previews and auctions. We offer our catalogs by subscription or by single copy. For information on subscribing to our catalogs, you may refer to the subscription form in this catalog, call our Client Services Department, or visit our website at www.bonhams.com/us.

Previews

Auction previews are your chance to inspect each lot prior to the auction. We encourage you to look closely and examine each object on which you may want to bid so that you will know as much as possible about it. Except as expressly set forth in the Conditions of Sale, items are sold "as is" and with all faults; illustrations in our catalogs, website and other materials are provided for identification only. At the previews, our staff is always available to answer your questions and guide you through the auction process. Condition reports may be available upon request.

Estimates

Bonhams catalogs include low and high value estimates for each lot, exclusive of the buyer's premium and tax. The estimates are provided as an approximate guide to current market value based primarily on previous auction results for comparable pieces, and should not be interpreted as a representation or prediction of actual selling prices. They are determined well in advance of a sale and are subject to revision. Please contact us should you have any questions about value estimates.

Reserve

All lots in a catalog are subject to a reserve unless otherwise indicated. The reserve is the minimum price that the seller is willing to accept for a lot. This amount is confidential and does not exceed the low estimated value.

Auction House's Interest in Property Offered at Auction

On occasion, Bonhams may offer property in which it has an ownership interest in whole or in part or otherwise has an economic interest. Such property, if any, is identified in the catalog with a ▲ symbol next to the lot number(s). Bonhams may also offer property for a consignor that has been guaranteed a minimum price for its property by Bonhams or jointly by Bonhams and a third party. Bonhams and any third parties providing a guarantee may benefit financially if the guaranteed property is sold successfully and may incur a financial loss if its sale is not successful. Such property, if any, is identified in the catalog with a symbol next to the lot number(s).

Bidding at Auction

At Bonhams, you can bid in many ways: in person, via absentee bid, over the phone, or via Bonhams' live online bidding facility. Absentee bids can be submitted in person, online, or via email. Irrespective of previous bidding activity a valid Bonhams client account is required to participate in bidding activity. You will be required to provide government-issued proof of identity and residence, and if you are a company, your certificate of incorporation or equivalent documentation with your name and registered address, government issued proof of your current address, documentary proof of your beneficial owners and directors, and proof of authority to transact. By bidding at auction, whether in person or by agent, by absentee bid, telephone, online or other means, the buyer or bidder agrees to be bound by the Conditions of Sale. Lots are auctioned in consecutive numerical order as they appear in the catalog. Bidding normally begins below the low estimate. The auctioneer will accept bids from interested parties present in the saleroom, from telephone bidders, and from absentee bidders who have left written bids in advance of the sale. The auctioneer may also execute bids on behalf of the consignor up to the amount of the reserve, but never above it. We assume no responsibility for failure to execute bids for any reason whatsoever.

In Person

If you are planning to bid at auction for the first time, you will need to register at the reception desk in order to receive a numbered bid card. To place a bid, hold up your card so that the auctioneer can clearly see it. Decide on the maximum auction price that you wish to pay, exclusive of buyer's premium and tax, and continue bidding until your bid prevails or you reach your limit. If you are the successful bidder on a lot, the auctioneer will acknowledge your paddle number and bid amount.

Absentee Bids

As a service to those wishing to place bids, we may at our discretion accept bids without charge in advance of auction online or in writing on bidding forms available from us. "Buy" bids will not be accepted; all bids must state the highest bid price the bidder is willing to pay. Our auction staff will try to bid just as you would, with the goal of obtaining the item at the lowest bid price possible. In the event identical bids are submitted, the earliest bid submitted will take precedence. Absentee bids shall be executed in competition with other absentee bids, any applicable reserve, and bids from other auction participants. A friend or agent may place bids on your behalf, provided that we have received your written authorization prior to the sale. Absentee bid forms are available in our catalogs, online at www.bonhams.com/us, at offsite auction locations and at our Los Angeles, San Francisco and New York galleries.

By Telephone

We can arrange for you to bid by telephone. To arrange for a telephone bid, please contact our Client Services Department a minimum of 24 hours prior to the sale.

Online

We offer live online bidding for most auctions and accept absentee bids online for all our auctions. Please visit www.bonhams.com/us for details.

Bid Increments

Bonhams generally uses the following increment multiples as bidding progresses:	
\$50-200.....	by \$10s
\$200-500.....	by \$20/50/80s
\$500-1,000.....	by \$50s
\$1,000-2,000.....	by \$100s
\$2,000-5,000.....	by \$200/500/800s
\$5,000-10,000.....	by \$500s
\$10,000-20,000.....	by \$1,000s
\$20,000-50,000.....	by \$2,000/5,000/8,000s
\$50,000-100,000.....	by \$5,000s
\$100,000-200,000.....	by \$10,000s
above \$200,000.....	at auctioneer's discretion

The auctioneer may split or reject any bid at any time at his or her discretion as outlined in the Conditions of Sale.

Currency Converter

Solely for the convenience of bidders, a currency converter may be provided at Bonhams' auctions. The rates quoted for conversion of other currencies to U.S. Dollars are indications only and should not be relied upon by a bidder, and neither Bonhams nor its agents shall be responsible for any errors or omissions in the operation or accuracy of the currency converter.

Buyer's Premium

A buyer's premium is added to the winning bid price of each individual lot purchased, at the rates set forth in the Conditions of Sale. The winning bid price plus the premium constitute the purchase price for the lot. Applicable sales taxes are computed based on this figure, and the total becomes your final purchase price.

Unless specifically illustrated and noted, fine art frames are not included in the estimate or purchase price. Bonhams accepts no liability for damage or loss to frames during storage or shipment.

All sales are final and subject to the Conditions of Sale found in our catalogs, on our website, and available at the reception desk.

Payment

Payment may be made to Bonhams by cash, checks drawn on a U.S. bank, money order, wire transfer, or by Visa, MasterCard, American Express or Discover credit or charge card or debit card. All items must be paid for within 5 business days of the sale. Please note that payment by personal or business check may result in property not being released until purchase funds clear our bank. For payments sent by mail, please remit to Bonhams Client Services Department, 7601 W Sunset Boulevard, Los Angeles, California 90046.

Sales Tax

Residents of states listed in Paragraph 1 of the Conditions of Sale must pay applicable sales tax. Other state or local taxes (or compensation use taxes) may apply. Sales tax will be automatically added to the invoice unless a valid resale number has been furnished or the property is shipped via common carrier to destinations outside the states listed in the Conditions of Sale. If you wish to use your resale license please contact Client Services for our form.

Collection of Purchases

Scheduling an appointment and payment in full prior to arrival will facilitate the quick release of your property. If you are sending a third-party to collect, please provide details to our Client Services Department at invoices.us@bonhams.com prior to your scheduled pickup or we will be unable to release your property.

For your convenience, pre-allocated 30-minute collection time slots are available Monday through Friday between 9am – 4:30pm. To schedule collection of purchases, please contact our Client Services Department on +1 (323) 850 7500.

Shipping & Removal

Bonhams can accommodate shipping for certain items. If you wish to receive a Bonhams Shipping quote, please confirm as such at the time of registration. Carriers are not permitted to deliver to PO boxes.

International buyers are responsible for all import/export customs duties and taxes. An invoice stating the actual purchase price will accompany all international purchases.

Handling and Storage Charges

Storage charges of \$5 per lot, per day will begin accruing for any lots not collected within 14 calendar days of the auction.

Bonhams reserve the right to remove uncollected sold lots to the warehouse of our choice at the buyer's risk and expense. Further transfer, handling, storage and full value protection fees will apply if move to a warehouse of our choice.

Oversized (W) Lots – Collection and Storage

Please note that all lots marked with a **W** in the catalogue are oversized and subject to additional storage and shipping methods. All additional lots purchased with **W** lots are considered group lots and will be subject to the same terms as **W** lots.

We encourage you to collect **W** lots from Bonhams by TIME on **Monday, 7 December** to avoid accruing additional storage fees. If failed to collect by the above date, **W** lots and additional purchases may be transferred to offsite storage at Box Pack & Ship on **Tuesday, 8 December** at the purchaser's risk and expense. Please note, for sold lots removed to Box Pack & Ship there will be transfer and full value protection charges but no daily storage charges due for lots collected within 5 business days of the transfer.

The per-lot charges levied by Box Pack & Ship Services are as follows (plus any applicable sales tax):

FURNITURE/LARGE OBJECTS

Transfer \$85
Daily storage..... \$10
Insurance (on Hammer + Premium + tax) 0.9%

SMALL OBJECTS

Transfer \$42.50
Daily storage..... \$5
Insurance (on Hammer + Premium + tax) 0.9%

All purchases will be available for collection on **Wednesday, 9 December** from Box Pack & Ship. Collections appointments must be booked 24 hours in advance with Box Pack & Ship (subject to full payment of all outstanding amounts due to Bonhams and Box Pack & Ship).

For more information regarding storage, shipping, or collection from Box Pack & Ship please contact Box Pack & Ship directly at: **+1 323 432 2477** or **daniel@boxpackship.net**

Address:
3800 S. Main Street
Los Angeles, CA 90037

All amounts due to Bonhams and all charges due to Box Pack & Ship must be paid by the time of collection of the property. Payment may be made by cash, check, or credit card.

Oversized lots

3015	3108	3150
3039	3109	3151
3040	3111	3189
3045	3112	3196
3046	3114	3199
3056	3116	3223
3085	3121	3233
3088	3146	3272
3091	3147	3274
3099	3148	3287
3105		

Auction Registration Form

(Attendee / Absentee / Online / Telephone Bidding)

Please circle your bidding method above.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Paddle number (for office use only)

General Notice: This sale will be conducted in accordance with Bonhams Conditions of Sale, and your bidding and buying at the sale will be governed by such terms and conditions. Please read the Conditions of Sale in conjunction with the Buyer's Guide relating to this sale and other published notices and terms relating to bidding. Payment by personal or business check may result in your property not being released until purchase funds clear our bank. Checks must be drawn on a U.S. bank.

Notice to Absentee Bidders: In the table below, please provide details of the lots on which you wish to place bids at least 24 hours prior to the sale. Bids will be rounded down to the nearest increment. Please refer to the Buyer's Guide in the catalog for further information relating to instructions to Bonhams to execute absentee bids on your behalf. Bonhams will endeavor to execute bids on your behalf but will not be liable for any errors or non-executed bids.

Notice to First Time Bidders: New clients are requested to provide photographic proof of ID - passport, driving license, ID card, together with proof of address - utility bill, bank or credit card statement etc. Corporate clients should also provide a copy of their articles of association / company registration documents, together with a letter authorizing the individual to bid on the company's behalf. Failure to provide this may result in your bids not being processed. For higher value lots you may also be asked to provide a bankers reference.

Notice to online bidders: If you have forgotten your username and password for www.bonhams.com, please contact Client Services.

If successful

I will collect the purchases myself ☐
Please contact me with a shipping quote (if applicable) ☐
I will arrange a third party to collect my purchase(s) ☐

Please email the completed Registration Form and requested information to:

Bonhams Client Services Department
7601 W. Sunset Blvd
Los Angeles, California 90046
Tel +1 (323) 850 7500
bids.us@bonhams.com

Bonhams

Sale title: Natural History	Sale date: Thursday, 3 December 2020
Sale no. 26149	Sale venue: Los Angeles
General Bid Increments: \$10 - 200by 10s \$200 - 500by 20 / 50 / 80s \$500 - 1,000by 50s \$1,000 - 2,000by 100s \$2,000 - 5,000by 200 / 500 / 800s \$5,000 - 10,000by 500s \$10,000 - 20,000by 1,000s \$20,000 - 50,000by 2,000 / 5,000 / 8,000s \$50,000 - 100,000by 5,000s \$100,000 - 200,000by 10,000s above \$200,000at the auctioneer's discretion The auctioneer has discretion to split any bid at any time.	
Customer Number	Title
First Name	Last Name
Company name (to be invoiced if applicable)	
Address	
City	County / State
Post / Zip code	Country
Telephone mobile	Telephone daytime
Telephone evening	
<u>Telephone bidders:</u> indicate primary and secondary contact numbers by writing ① or ② next to the telephone number.	
E-mail (in capitals) _____ By providing your email address above, you authorize Bonhams to send you marketing materials and news concerning Bonhams and partner organizations. Bonhams does not sell or trade email addresses.	
I am registering to bid as a private client <input type="checkbox"/>	I am registering to bid as a trade client <input type="checkbox"/>
Resale: please enter your resale license number here _____ We may contact you for additional information.	

SHIPPING	
Shipping Address (if different than above):	
Address: _____	Country: _____
City: _____	Post/ZIP code: _____

Please note that all telephone calls are recorded.

Type of bid (A-Absentee, T-Telephone)	Lot no.	Brief description (In the event of any discrepancy, lot number and not lot description will govern.) If you are bidding online there is no need to complete this section.	MAX bid in US\$ (excluding premium and applicable tax) Emergency bid for telephone bidders only*

You instruct us to execute each absentee bid up to the corresponding bid amount indicated above.

* Emergency Bid: A maximum bid (exclusive of Buyer's Premium and tax) to be executed by Bonhams only if we are unable to contact you by telephone or should the connection be lost during bidding.

BY SIGNING THIS FORM YOU AGREE THAT YOU HAVE READ AND UNDERSTAND OUR CONDITIONS OF SALE AND SHALL BE LEGALLY BOUND BY THEM, AND YOU AGREE TO PAY THE BUYER'S PREMIUM, ANY APPLICABLE TAXES, AND ANY OTHER CHARGES MENTIONED IN THE BUYER'S GUIDE OR CONDITIONS OF SALE. THIS AFFECTS YOUR LEGAL RIGHTS.

Your signature:

Date:





Bonhams
7601 Sunset Blvd
Los Angeles, CA 90046

+1 323 850 7500
bonhams.com

AUCTIONEERS SINCE 1793