

Bonhams



# Montana Dueling Dinosaurs and Distinguished Fossils

Tuesday November 19, 2013  
New York



# Montana Dueling Dinosaurs and Distinguished Fossils

Tuesday November 19, 2013 at 1pm  
New York

## **Bonhams**

580 Madison Avenue  
New York, New York 10022  
**bonhams.com**

## **Preview**

Thursday November 14, 10am to 5pm  
Friday November 15, 10am to 5pm  
Saturday November 16, 12pm to 5pm  
Sunday November 17, 12pm to 5pm  
Monday November 18, 10am to 7pm  
Tuesday November 19, 10am to 1pm

## **Bids**

+1 (212) 644 9001  
+1 (212) 644 9009 fax

To bid via the internet please  
visit [www.bonhams.com](http://www.bonhams.com)

**Sale Number:** 21076  
Lots 1001 - 1071

**Catalog:** \$35

## **Inquiries**

Thomas E. Lindgren, Co-Consulting  
Director, Natural History  
+1 (310) 469 8567  
[tom.lindgren@bonhams.com](mailto:tom.lindgren@bonhams.com)

Automated Results Service  
+1 (800) 223 2854

Online bidding will be available  
for this auction. For further  
information please visit:  
**[www.bonhams.com/21076](http://www.bonhams.com/21076)**

Please see pages 2 to 6  
for bidder information including  
Conditions of Sale, after-sale  
collection and shipment.

## **Illustrations**

Front cover: Lot 1036  
Inside front cover: Lot 1059  
Inside back cover: Lot 1046  
Back cover: Lot 1059



## CONDITIONS OF SALE

The following Conditions of Sale, as amended by any published or posted notices or verbal announcements during the sale, constitute the entire terms and conditions on which property listed in the catalog shall be offered for sale or sold by Bonhams & Butterfields Auctioneers Corp. and any consignor of such property for whom we act as agent. If live online bidding is available for the subject auction, additional terms and conditions of sale relating to online bidding will apply; see [www.bonhams.com/WebTerms](http://www.bonhams.com/WebTerms) for the supplemental terms. As used herein, "Bonhams," "we" and "us" refer to Bonhams & Butterfields Auctioneers Corp.

1. As used herein, the term "bid price" means the price at which a lot is successfully knocked down to the purchaser. The term "purchase price" means the aggregate of (a) the bid price, (b) a PREMIUM retained by us and payable by the purchaser EQUAL TO 25% OF THE FIRST \$100,000 OF THE BID PRICE, 20% OF THE AMOUNT OF THE BID PRICE ABOVE \$100,000 UP TO AND INCLUDING \$2,000,000, AND 12% OF THE AMOUNT OF THE BID PRICE OVER \$2,000,000, and (c) unless the purchaser is exempt by law from the payment thereof, any California, Arizona, Colorado, Connecticut, Florida, Georgia, Illinois, Massachusetts, Nevada, New York, Pennsylvania, Texas, Washington, D.C., Washington state, or other state or local sales tax (or compensating use tax) and other applicable taxes.

2. On the fall of the auctioneer's hammer, the highest bidder shall have purchased the offered lot in accordance and subject to compliance with all of the conditions set forth herein and (a) assumes full risk and responsibility therefor, (b) if requested will sign a confirmation of purchase, and (c) will pay the purchase price in full or such part as we may require for all lots purchased. No lot may be transferred. Any person placing a bid as agent on behalf of another (whether or not such person has disclosed that fact or the identity of the principal) may be jointly and severally liable with the principal under any contract resulting from the acceptance of a bid.

Unless otherwise agreed, payment in good funds is due and payable within five (5) business days following the auction sale. Whenever the purchaser pays only a part of the total purchase price for one or more lots purchased, we may apply such payments, in our sole discretion, to the lot or lots we choose. Payment will not be deemed made in full until we have collected good funds for all amounts due.

Payment for purchases may be made in or by (a) cash, (b) cashier's check or money order, (c) personal check with approved credit drawn on a U.S. bank, (d) wire transfer or other immediate bank transfer, or (e) Visa, MasterCard, American Express or Discover credit, charge or debit card. A processing fee will be assessed on any returned checks. Please note that the amount of cash notes and cash equivalents that can be accepted from a given purchaser may be limited.

The purchaser grants us a security interest in the property, and we may retain as collateral security for the purchaser's obligations to us, any property and all monies held or received by us for the account of the purchaser, in our possession. We retain all rights of a secured party under the California Commercial Code. If the foregoing conditions or any other applicable conditions herein are not complied with, in addition to other remedies available to us and the consignor by law, including without limitation, the right to hold the purchaser liable for the purchase price, we at our option may either (a) cancel the sale, retaining as liquidated damages all payments made by the purchaser or (b) resell the property, either publicly or privately, and in such event the purchaser shall be

liable for the payment of any deficiency plus all costs and expenses of both sales, our commission at our standard rates, all other charges due hereunder, attorneys' fees, expenses and incidental damages. In addition, where two or more amounts are owed in respect of different transactions by the purchaser 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 purchaser. If all fees, commissions, premiums, bid price and other sums due to us from the purchaser 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 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.

3. 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.

4. 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 or to re-offer and resell the article in dispute. If any dispute arises after the sale, our sales records shall be conclusive in all respects.

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

6. 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 therefor to protect such interest. **CONSIGNORS ARE NOT ALLOWED TO BID ON THEIR OWN ITEMS.**

7. All statements contained in the catalog or in any bill of sale, condition report, invoice or elsewhere as to authorship, period, culture, source, origin, measurement, quality, rarity, provenance, importance, exhibition and literature of historical relevance, or physical condition ARE QUALIFIED STATEMENTS OF OPINION AND NOT REPRESENTATIONS OR WARRANTIES. 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.

8. 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 the catalog. If not so removed, daily storage fees will be payable to us by the purchaser as set forth therein. We reserve the right to transfer property not so removed to an offsite warehouse at the purchaser's risk and expense, as set forth in more detail in the "Buyer's Guide." Accounts must be settled in full before property will be released. Packing and handling of purchased lots are the responsibility of the purchaser. Bonhams can provide packing and shipping services for certain items as noted in the "Buyer's Guide" section of the catalog.

9. The copyright in the text of the catalog and the photographs, digital images and illustrations of lots in the catalog belong to Bonhams or its licensors. You will not reproduce or permit anyone else to reproduce such text, photographs, digital images or illustrations without our prior written consent.

10. These Conditions of Sale shall bind the successors and assigns of all bidders and purchasers 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. If any part of these Conditions of Sale is for any reason invalid or unenforceable, the rest shall remain valid and enforceable.

11. These Conditions of Sale and the purchaser's and our respective rights and obligations hereunder are governed by the laws of the State of California. By bidding at an auction, each purchaser and bidder agrees to be bound by these Conditions of Sale. 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 purchaser of lots consigned hereunder) shall be resolved by the procedures set forth below.

### 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 such mediator's fees. 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 arbitration, mediation 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 arbitration service agreed to by the parties, and shall be selected as follows: (i) If the national arbitration service has specific rules or procedures, those rules or procedures shall be followed; (ii) If the national 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 a national arbitration service, the arbitration shall be conducted by the American Arbitration Association, and the arbitrator shall be selected in accordance with the Rules of the American Arbitration Association. 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 national arbitration service:

(i) the arbitration shall occur within 60 days following the selection of the arbitrator;

## CONDITIONS OF SALE - CONTINUED

(ii) the arbitration shall be conducted in the designated location, as follows: (A) in any case in which the subject auction by Bonhams took place or was scheduled to take place in the State of New York or Connecticut or the Commonwealth of Massachusetts, the arbitration shall take place in New York City, New York; (B) in all other cases, the arbitration shall take place in the city of San Francisco, California; 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 California 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 arbitrator.

### Limited Right of Rescission

If within one (1) year from the date of sale, the original purchaser (a) gives written notice to us alleging that the identification of Authorship (as defined below) of

such lot as set forth in the **BOLD 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 purchaser alleging such defect, we have paid the consignor monies owed him in connection with the sale, we shall pay the original purchaser the amount of our commissions, any other sale proceeds to which we are entitled and applicable taxes received from the purchaser on the sale and make demand on the consignor to pay the balance of the original purchase price to the original purchaser. Should the consignor fail to pay such amount promptly, we may disclose the identity of the consignor and assign to the original purchaser 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 purchaser only and may not be assigned to or relied upon by any subsequent transferee of the property sold. The purchaser hereby accepts the benefit of the consignor's warranty of title and other representations and warranties made by the consignor for the purchaser'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 PURCHASER'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 **BOLD 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 **BOLD 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 PURCHASER 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 PURCHASER EXPRESSLY ACKNOWLEDGES AND AGREES THAT IN NO EVENT SHALL BONHAMS BE LIABLE FOR ANY DAMAGES INCLUDING, WITHOUT LIMITATION, ANY COMPENSATORY, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

## 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](http://www.bonhams.com/us) for more information or call our Client Services Department at +1 (800) 223 2854 ext. 3550.

### 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 Appraisal Events held regularly at our galleries and in other major metropolitan areas. The updated schedule for Bonhams Auction Appraisal Events is available at [www.bonhams.com/us](http://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](http://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](http://www.bonhams.com/us) or contact our Client Services Department.

## BUYER'S GUIDE

### BIDDING & BUYING 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](http://www.bonhams.com) or call our Client Services Department at +1 (800) 223 2854 ext. 3550.

### 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](http://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.

### Reserves

Unless indicated by the  $\alpha$  symbol next to the lot number, which denotes no reserve, all lots in the catalog are subject to a reserve. The reserve is the minimum auction price that the consignor is willing to accept for a lot. This amount is confidential and does not exceed the low estimate value.

### Auction House's Interest in Property Offered at Auction

On occasion, Bonhams may offer a lot in which it has an ownership interest, in whole or in part. Such property, if any, is identified in the catalog with a  $\blacktriangle$  symbol next to the lot number.

Similarly, Bonhams may have an economic interest in a lot beyond its commission as a result of making an advance against anticipated proceeds to the consignor which is secured by the consigned property or where it has guaranteed the consignor a minimum auction price for consigned property. Such property, if any, is identified in the catalog with a  $\circ$  symbol next to the lot number.

### 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, via fax or via email.

Valid Bonhams client accounts are required to participate in bidding activity. You can obtain registration information online, at the reception desk or by calling our Client Services Department.

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 by placing responsive or consecutive bids for a lot 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](http://www.bonhams.com/us), at offsite auction locations, and at our San Francisco, Los Angeles and New York galleries.

### By Telephone

Under special circumstances, 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](http://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

All buyers are asked to pay and pick up by 3pm on the business day following the auction. 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 Cashier Department, 220 San Bruno Avenue, San Francisco, CA 94103.

### Sales Tax

California, Arizona, Colorado, Connecticut, Florida, Georgia, Illinois, Nevada, New York, Massachusetts, Pennsylvania, Texas, Washington state and Washington DC residents must pay applicable sales tax. Other state or local taxes (or compensating 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 above.

### Shipping & Removal

Bonhams can accommodate shipping for certain items. Please contact our Cashiers Department for more information or to obtain a quote. 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.

### Collection of Purchases

Please arrange for the packing and transport of your purchases prior to collection at our office. If you are sending a third party shipper, please request a release form from us and return it to +1 (212) 644 9009 prior to your scheduled pickup. To schedule collection of purchases, please call +1 (212) 644 9001.

### Handling and Storage Charges

Please note that our offices have requirements for freight elevator usage. Please contact us to schedule an elevator appointment for pickup of any large or awkward items. Bonhams will hold all purchased lots in our gallery until Thursday November 21 without penalty. After November 21 collection of lots will be by appointment only. Please call +1 (212) 644 9001 at least 24 hours in advance to make an appointment.

Bonhams reserves the right to remove uncollected sold lots to the warehouse of our choice at the buyer's risk and expense. Handling and storage fees will apply.

### Auction Results

To find out the final purchase price for any lot following the sale, please call our automated auction results line at +1 (800) 223 2854 ext. 3400. All you need is a touch-tone telephone and the lot number. Auction results are usually available on the next business day following the sale or online at [www.bonhams.com/us](http://www.bonhams.com/us).



## Important Notice to Buyers

### Collection & Storage After Sale

Please note that all oversized lots listed below, that are not collected by **5pm on Thursday, November 21** will be removed to the warehouse of Cadogan Tate Fine Art Storage Limited. Lots not so listed will remain at Bonhams; provided, however, **that if buyers of listed lots also buy other non-listed items, these other lots will also be removed to the warehouse of Cadogan Tate**, so that all lots remain together and buyers can collect their entire purchases from one location. For any questions please refer to the Bonhams department.

**Lots will be available for collection from Cadogan Tate beginning at 9.30am ET on Monday, November 25.**

Address:  
Cadogan Tate Fine Art Storage Limited  
41-20 39<sup>th</sup> Street  
Sunnyside, New York, 11104

Lots will be available for collection 24hrs following transfer to Cadogan Tate every business day from 9.30am to 4.30pm ET.

Collections appointments must be booked 24 hours in advance (subject to full payment of all outstanding amounts due to Bonhams and Cadogan Tate) by contacting Cadogan Tate at (t) +1 (718) 707 2849.

### Handling & Storage Charges

Please note: For sold lots removed to Cadogan Tate there will be transfer and insurance charges but no storage charge due for lots collected within 7 days of the transfer date. For sold lots that remain at Bonhams, there will be no storage charge for lots collected within 21 days of the sale date.

The per-lot charges levied by Cadogan Tate Fine Art Storage Ltd are as follows (plus any applicable sales tax):

#### Furniture/Large Objects

Transfer	\$75
Daily storage	\$10
Insurance (on Hammer + Premium + tax)	0.3%

#### Small Objects

Transfer	\$37.50
Daily storage	\$5
Insurance (on Hammer + Premium + tax)	0.3%

Please contact Catherine More at Cadogan Tate Fine Art Storage at  
(t) +1 (718) 247 2070  
(f) +1 (347) 468 9916 or  
c.more@cadogantatefineart.com

For more information and estimates on domestic and International shipping, please contact Michael Driver at  
(t) +1 (718) 247 2064 or  
m.driver@cadogantate.com

### Payment

All amounts due to Bonhams and all charges due to Cadogan Tate Fine Art Storage Ltd must be paid by the time of collection of the property from their warehouse.

#### To Make Payment in Advance

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## Oversized Lots

1001	1011	1034	1045	1060
1002	1018	1035	1046	1061
1003	1023	1036	1047	1062
1004	1025	1037	1050	1065
1005	1028	1038	1054	1066
1006	1029	1039	1055	1067
1007	1030	1040	1056	1068
1008	1031	1041	1057	1069
1009	1032	1042	1058	1071
1010	1033	1043	1059	

## Notice Regarding Endangered Species

The export of a lot from the United States or import into certain countries may be subject to export and import regulations, licensure and/or other restrictions; in particular, lots containing animal materials such as ivory, rhinoceros horn, tortoise shell or whalebone may require the granting of one or more export or import licenses or may be banned from import altogether by some countries. Lots noted in the catalog with a Y next to the lot number (e.g., 1001<sup>Y</sup>) contain one or more such animal materials. It is the buyer's responsibility to investigate any such restrictions and to obtain any relevant export and import licenses. Please note that this process is governed by local authorities and may take considerable time. Regardless of any delay in the obtaining of an export or import license or denial of a license's issuance, purchased lots shall be paid for in accordance with the Conditions of Sale, and any such delay or denial shall not serve as the basis for the cancellation of any sale. Prospective buyers are advised to obtain information from the relevant regulatory authorities regarding export and import restrictions, requirements and costs prior to bidding.

<i>ERA</i>	<i>PERIOD</i>	<i>EPOCH</i>	<i>MILLION YEARS AGO</i>
<i>CENOZOIC</i>	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
<i>MESOZOIC</i> <i>(Age of the Dinosaurs)</i>	CRETACEOUS		65 to 144
	JURASSIC		144 to 213
	TRIASSIC		213 to 248
<i>PALEOZOIC</i>	PERMIAN		248 to 286
	CARBONIFEROUS		286 to 360
	DEVONIAN		360 to 408
	SILURIAN		408 to 438
	ORDOVICIAN		438 to 505
	CAMBRIAN		505 to 590



## DIRECTOR'S FOREWORD

It is with immense excitement — indeed, awe — that we present for auction the astounding discovery represented by *The Montana Dueling Dinosaurs*, accompanied by a diverse selection of distinguished fossils.

*The Montana Dueling Dinosaurs* (lot 1032) are the two most complete dinosaurs to come out of the Hell Creek Formation - a theropod thought to be a *Nanotyrannus lancensis* (smaller relative of *Tyrannosaurus rex*) and a large chasmosaurine ceratopsian, which may prove to be a new, undescribed species. This discovery may put to rest the question of the legitimacy of *Nanotyrannus* as a discrete genus. This is also one of only two known occurrences where a theropod (carnivorous dinosaur) and its ornithischian (herbivorous dinosaur) prey are preserved together. Of further importance are the preservation of soft tissue in both specimens and the theory that they died while in combat with each other. The paleontological mysteries that lie within *The Montana Dueling Dinosaurs* have yet to be fully revealed and deciphered by science; their preserved taphonomy will maximize the potential to do so.

Accompanying *The Montana Dueling Dinosaurs* are several astonishing dinosaur specimens just discovered in 2012. A large *Tyrannosaurus rex* (lot 1036), fully mounted and thirty-eight feet in length, is awe-inspiring in its aggressive attack pose. An exceptional, large and fully mounted *Triceratops* skeleton (lot 1038) is also astonishing, as is an impressively massive *Triceratops* skull (lot 1034.) These extraordinary discoveries represent many months of exacting labor in the field and in the laboratory over the past year. It would be difficult to overstate how marvelous is the assembly of so many remarkable dinosaur discoveries in one sale.

Additional exceptional dinosaur mounts include an extraordinarily complete *Thescelosaurus* skeleton (lot 1039), a juvenile of the rarely seen *Tenontosaurus*, (lot 1037 ) and the obscure *Hypacrosaurus* (lot 1035.)

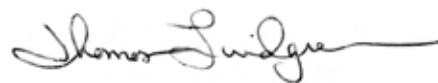
From a major American museum come offerings from the historic Charles H. Sternberg Collection (lots 1001-1007) featuring a gigantic Cretaceous fish, *Xiphactinus* (lot 1006) and a formidable example of a mosasaur, *Platycarpus*, a huge marine reptile sometimes called *the T. rex of the Cretaceous seas* (lot 1007.)

Also from marine and aquatic environments is an immense *megalodon* shark jaw reconstruction with 184 original teeth (lot 1046), a Permian shark skeleton with extraordinary skin and cartilage preservation (lot 1053), an exceptional and large soft-shelled turtle, *Trionyx*, in a framed limestone mural (lot 1062), a stunning palm mural with over two hundred fish specimens (lot 1061) and one of the largest ammonites ever discovered in North America (lot 1067.)

Offerings from mammals include an enormous woolly mammoth tusk with rarely seen blue coloration (lot 1043) and an incomparable mounted cat skeleton *Pogonodon platycopis*, which lived before the saber-toothed cats (lot 1045.)

Bursting with spectacular masterpieces of natural history, this important sale is sure to inspire fascination in onlookers and invigoration in bidders and scientists. My fondest hope is that many of the phenomenal pieces in this sale will be made available for scientific research and for the enjoyment and education of the public.

Thank you for your interest in these most magnificent treasures!



Thomas E. Lindgren  
Consulting Co-Director  
Natural History Department

## FROM A MAJOR AMERICAN MUSEUM COLLECTION

Recently deaccessioned from a major American museum collection, the following twelve lots are from the historic Charles H. Sternberg Collection and from the fossil preparation laboratories of Carl Ulrich, respectively.

### The Charles H. Sternberg Collection - A Selection of Fossils from a Dinosaur Dynasty

Charles H. Sternberg (1850 – 1943), an intrepid fossil hunter and avocational paleontologist during the time of the famous *Dinosaur Wars* of the late 19<sup>th</sup> century, was also the patriarch of a dynasty of important fossil hunters. He and his three sons collected numerous distinguished fossil specimens for scientific study and museum display throughout the United States, Canada and Europe during this most seminal point in paleontological history and in the decades following.

As a student of Kansas State University, Sternberg sought sponsorship for his first fossil collecting expedition from Edward Drinker Cope, who financed the launch of Sternberg's professional fossil-hunting career for the sum of \$300. Sternberg worked for Cope for over four years exploring the Judith River Basin in central Montana, until Cope's death in 1897.

Sternberg's fossil hunting expeditions exposed him to the most extreme conditions in remote locations, including the tornados and severe heat and cold of the Kansas plains. Risking illness and death, he survived on beans, hardtack and wild berries. In the late 19<sup>th</sup> century, the threat of Indian attack was a constant concern. Methods for excavating and preserving fossils for transport were often improvised using the materials at hand.

In the last decades of Sternberg's career, he and his wife Anna lived in Southern California. His association with the San Diego Natural History Museum began circa 1920, where he was given the honorary title of Curator of Vertebrate Paleontology. Sternberg published two autobiographies, *The Life of a Fossil Hunter* (1909, 1931) and *Hunting Dinosaurs in the Bad Lands of the Red Deer River, Alberta Canada* (1917, 1932.) A biography of the Sternberg family was published in 1991 (rev. ed. 1999) by Katherine Rogers, *The Sternberg Fossil Hunters: A Dinosaur Dynasty*.



1001



1002



1003

1001 <sup>□</sup>

**Swimming Crinoids**

*Uintacrinus socialis*

Cretaceous,

Niobrara Chalk Formation, Western Kansas

A rare and important mortality slab of swimming crinoids collected and prepared for a museum display by Charles H. Sternberg. Approximately twenty-seven crinoid calyxes are present.

Measures 43 in. x 38 in.

**\$5,000 - 6,500**

Without Reserve

1002 <sup>□</sup>

**Mosasaur Tail signed C.H Sternberg**

*Mosasaurus*

Cretaceous,

Niobrara Chalk Formation, Western Kansas

A partial mosasaurus tail that was collected and prepared by Charles Sternberg for museum display. The backer board displays the name *C.H Sternberg*

and a Hayes, Kansas address written in pencil.

Measures 38 in x 17 in.

**\$1,500 - 2,000**

Without Reserve

1003 <sup>□</sup>

**Dinosaur Tail**

*Hadrosaur sp.*

Belv River Formation, Montana

An articulated section of a hadrosaur dinosaur tail, mounted and framed by Charles H. Sternberg for museum display.

Measures 51 x 23.5 inches

**\$3,500 - 4,500**

Without Reserve



1004



1005

1004<sup>□</sup>  
**Ceratopsian Skull**  
*Chasmosaurine*  
*Cretaceous*

*Belly River Formation, Alberta, Canada*

This ceratopsian specimen was collected and prepared by C. H. Sternberg. There is a significant area of restoration into which he implanted the original bone.

Measures 57 x 26 x 21 inches

**\$5,000 - 7,000**

Without Reserve

1005<sup>□</sup>  
**A Large *Xiphactinus* Skull**  
*Xiphactinus audax*  
*Cretaceous*

*Niobrara Chalk Formation, Western Kansas*

A large skull with teeth collected and prepared by Charles Sternberg. It is presented in the original framework that was used for museum display.

Measures 34 in. x 29 in.

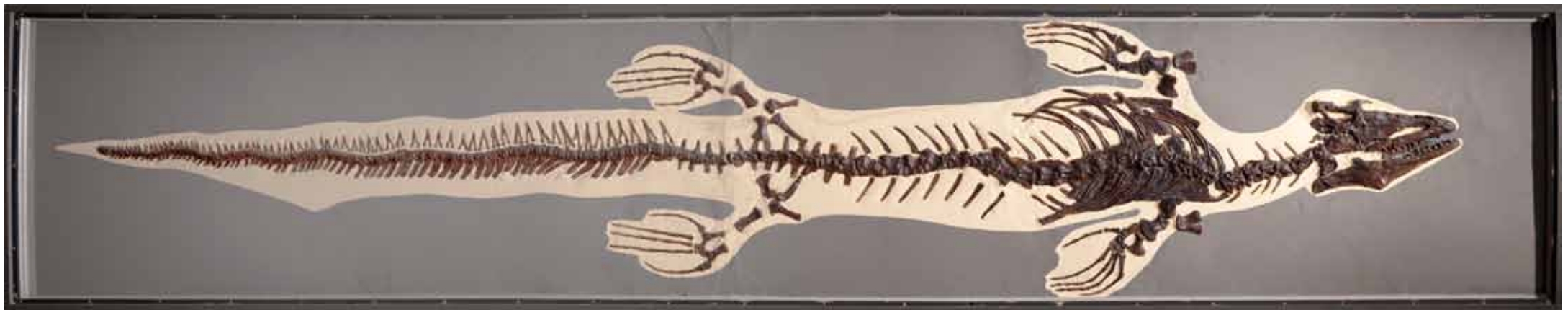
**\$2,500 - 3,500**

Without Reserve





1006



1007

1006

**Historic Giant Cretaceous Fish Skeleton**

*Xiphactinus audax*

*Cretaceous*

*Niobrara Formation, Western Kansas*

During the Cretaceous Age, when dinosaurs roamed the landmasses, *Xiphactinus audax* - the largest known bony fish species of all time - menaced the intracontinental seaway that divided the western third of North America from the rest of the continent. The species' only enemies were the gigantic mosasaurs and the sharks of the period. The massive skull and dagger-like teeth attest to its predatory habit.

The present specimen has been in the collection of an American museum since the 1920's. Collected and prepared by Charles Sternberg, the preparation style, framing and presentation are typical of his work. Historically significant, it also emanates a dramatic visual presence.

Specimen measures 13 feet

**\$100,000 - 125,000**

1007

**Historic Mosasaur Skeleton from Kansas**

*Platykarpos*

*Cretaceous*

*Niobrara Formation, Western Kansas*

Apex predators of the intercontinental seaway that once separated the western third of North America from the rest of the continent, mosasaurs have been called *the T. rex's of the Cretaceous seas*. Terrifyingly diabolical in appearance, mosasaurs may have possessed forked tongues like their terrestrial varanid cousins, which include the Komodo Dragon. With its snake-like movement, keen eyesight and sharp underwater hearing, the mosasaur was a formidable predator. Its jaw structure evidences the exceptional flexibility required for its snake-like form of predation. The double-hinged jaws allowed this genus, like snakes, to feed on animals that were much larger than it could have consumed with a fixed jaw.

The present specimen is a large mosasaur skeleton collected and prepared by Charles Sternberg. This specimen has been in the collection of an American museum since the 1920's. The preparation style and presentation is typical of Charles Sternberg's work. The specimen shows evidence of original restoration requiring re-working.

Measures 17 feet

**\$75,000 - 100,000**





1006 (detail)



1007 (detail)



1008

### The Ulrich Collection

The fossil preparation work of Carl Ulrich has been seen in private collections and museums throughout America and Europe, including the Smithsonian, the Houston Museum of Natural Sciences and the Field Museum, and has been featured in traveling exhibits worldwide. In 1960, President Eisenhower purchased a large fossil fish from Mr. Ulrich to present as a gift to Japan's Emperor Hirohito. During the George H. W. Bush presidency, his fossils were also presented as gifts to foreign officials.

Having explored the Green River Formation in the late 1940's, long before most commercial excavators began digging in this rich Eocene locality, Carl Ulrich and his wife, Shirley, have managed a commercial fossil business as a team for many years. Influenced by Shirley's encouragement and excellent eye for aesthetics, Carl has become one of the world's most respected preparators of fossils from the Green River Formation. Most of his works are signed *C J Ulrich*.

1008 <sup>□</sup>

**Large *Notogoneus* with Ulrich Signature**

*Notogoneus*

Eocene

Green River Formation, Wyoming

A very large example of this bottom-feeding species. Signed C J Ulrich.

Measures 28 1/2 in. x 17 1/4 in.

**\$1,000 - 1,250**

Without Reserve



1009

1009 <sup>□</sup>

**Diplomystus with C.S. Ulrich signature**

*Diplomystus*

Eocene

Green River Formation, Wyoming

A very fine example of this surface-feeding species. Signed C J Ulrich.

Measures 28 in. x 21 3/4 in.

**\$1,500 - 2,000**

Without Reserve



1010

1010 <sup>□</sup>

**Large *Diplomystus* with Ulrich Signature**

*Diplomystus*

Eocene

Green River Formation, Wyoming

A superb fossil fish typical of Carl Ulrich's preparation style. Signed C J Ulrich.

Measures 30 3/4 in. x 23 in.

**\$1,500 - 2,000**

Without Reserve

1011 <sup>□</sup>

**Large Fossil Fish**

*Diplomystus dentatus*

A very nice example of Carl Ulrich's preparation work with no visible signature.

Measures 28 in. x 20 in.

**\$1,000 - 1,250**

Without Reserve



1011

1012 <sup>□</sup>

**2 *Mioplosus* signed C.J. Ulrich**

*Mioplosus labracoides*

Eocene

Green River Formation, Wyoming

This lot includes two of the ancient trout relatives, *Mioplosus labracoides*.

One with signature, C J Ulrich. (2)

Measures 26 in. x 14 in.

**\$1,000 - 1,250**

Without Reserve



1012



1012



1013

1013

**Elephant Bird Egg**

*Aepyornis maximus*  
Southern Madagascar

This 20,000 – 10,000-year-old *Aepyornis maximus* eggshell has been fastidiously restored from a find in Southern Madagascar. Height measures 13 inches; Diameter measures 8 inches; Circumference measures 29 inches  
**\$1,800 - 2,200**

1014

**Superb Elephant Bird Egg**

Superb Elephant Bird Egg  
*Aepyornis maximus*  
Southern Madagascar

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 20,000 – 10,000-year-old egg is unbroken and original. One small hole is visible on the shell. Specimens of this quality are very rare and highly desired by collectors. Height measures 12 in. circumference 31 in.  
**\$50,000 - 60,000**



1014



1015

**French Dinosaur Egg**

*Hypselosaurus priscus*

Cretaceous

Aix-En-Provence, France

Rarely are intact dinosaur eggs found; the vast majority of specimens recovered are mere fragments. Here, a virtually complete eggshell is inexplicably preserved fully inflated and covered with fossilized shell on all sides. *Hypselosaurus priscus* eggs were the very first dinosaur eggs to be discovered, in 1859, in Aix-En-Provence, France. Believed to be from a giant bird, and later thought to originate from a giant crocodile, the egg specimens were finally understood to come from a Titanosaur, one of the gigantic long-necked sauropods that lived until the very end of the Cretaceous. A completely intact eggshell from the Age of Dinosaurs is truly an awe-inspiring phenomenon.

Measures 8 x 6 inches

\$4,000 - 5,000



1015

1016

**A Fine *Triceratops* Horn**

*Triceratops horridus*

Cretaceous

Garfield County, Montana

This *Triceratops* horn specimen was discovered by Clayton Phipps, *The Dino Cowboy*, who also found *The Montana Dueling Dinosaurs*. It exemplifies the formidable weaponry that this famous herbivore may have used to protect itself from predators like *Tyrannosaurus rex*. *Triceratops* horns are formed of keratin, the same material that makes up human fingernails. Offered on a custom mount.

Measures 24 inches

\$4,500 - 5,500



1016

1017

**Hypacrosaurus Maxilla**

Dinosaur Maxilla

*Hypacrosaurus*

Cretaceous

Hell Creek Formation, Montana

A fine maxilla from a juvenile *Hypacrosaurus* dinosaur exhibits all original teeth. Offered on a custom designed stone base. (See also description for Lot 1035.)

Measures 7.5 x 4 inches

\$2,000 - 2,500



1017



1018



1019





1020

**1018**  
**Enormous Triceratops Jaw with Teeth**

*Triceratops prorsus*  
 Late Cretaceous, Maastrichtian Stage  
 Hell Creek Formation, Eastern Montana  
*Triceratops* is unquestionably one of the most popular dinosaurs known. It lived at the end of the Cretaceous, 67 million years ago, in vast herds that are 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.

The prodigious size of the present specimen indicates an overall skull length of approximately eight feet. Another feature that recommends this specimen is its completeness, a rare attribute in *Triceratops* jaw and dentary specimens. The bones at the rear of the jaw where it articulated to the upper skull, which are usually missing or disarticulated in this type of specimen, are present. Also, this jaw retains several of its original teeth; in ceratopsians, it is common to find that the teeth have "floated out," or have become dislodged, after death. This specimen is an exceptional find. Length measures 33 inches; Height measures 17.25 inches  
**\$14,000 - 16,000**



1021

**1019**  
**A Fine Tyrannosaurus Tooth**

*Tyrannosaurus rex*  
 Cretaceous  
 Hell Creek Formation, Butte County, South Dakota  
 An excellent *Tyrannosaurus rex* tooth specimen, from the most sought after dinosaur species. Well-preserved enamel and prominent serrations make this an attractive find.  
*Measures 4 in.*  
**\$5,000 - 6,500**

**1020**  
**Large Tyrannosaurus rex Tooth**

*Tyrannosaurus rex*  
 Cretaceous  
 Hell Creek Formation, Butte County, South Dakota  
 The most recognizable and revered of the dinosaurs was *Tyrannosaurus rex*. This offering is a very large, robust *Tyrannosaurus rex* tooth with good enamel and visible serrations that are characteristic of *T. rex* tooth specimens from large individuals. Few teeth of this size are found.  
*Measures 5 1/2 in.*  
**\$7,500 - 9,000**

**1021**  
**Superb Tyrannosaurus rex Tooth**

*Tyrannosaurus rex*  
 Cretaceous  
 Hell Creek Formation, Garfield County, Montana  
 Discovered in the famed Hell Creek Formation in 2008, exceptional enamel, extraordinarily well-defined serrations and superb condition distinguish this *Tyrannosaurus rex* tooth. Found completely submerged in a channel deposit on private land, the tooth boasts a complete lack of restoration. Of further significance is a fascinating pathology suggesting that the tooth suffered a shearing blow by another tooth; this is evidenced by the visible serration marks on the specimen. The question of whether the tooth was lost in combat with another individual lends a noteworthy mystique to this marvelous piece. This large *T. rex* tooth rates as one of the finest specimens to have been offered on the market.  
*Measures 4 3/8 inches*  
**\$20,000 - 25,000**



1022

1022

**Dinosaur Toe with Claw**

*Struthiomimus*

Cretaceous

*Hell Creek Formation, Eastern Montana*

*Struthiomimus*, meaning *ostrich mimic*, was a fast-running bipedal dinosaur that lived in Eastern Montana 75-70 million years ago. The medium-sized dinosaur genus grew to about fourteen feet in length and is thought to have been feathered. Offered is a *Struthiomimus* toe, on a wooden base.

Length measures 11 inches

**\$1,600 - 2,500**



1023

1023

**Unusually Large *T. rex* Upper Arm Bone**

*Tyrannosaurus rex*

Cretaceous

*Hell Creek Formation, Northern Wyoming*

One set of questions about *Tyrannosaurus rex* anatomy that has vexed scientists since the discovery of the species pertains to the small size of their arms relative to their overall mass. Barely measuring more than the length of a human arm, the curious appendage has been the focus of discussions over whether *T. rex* was a predator or a scavenger, for example. Of the few *T. rex* arm bones that have been recovered, there have been significant instances of breakage and healing during the lifetime of the individuals, perhaps indicating a weak point in the anatomy of an almost inconceivably formidable beast. The present upper arm bone (humerus) is one of the largest known *T. rex* humerus bones, measuring 24 inches in length; the other known *T. rex* humerus bones measure between 13-16 inches in length. Extraordinarily well preserved, the missing portion allows a wonderful view inside the bone, revealing the honeycomb-like structure that is distinctive in *T. rex* bones; this structure was necessary to make the bones lighter in such a massive animal. Offered on a stand.

Measures 24 inches in length; 7 inches wide on the large end, 5 inches wide on the smaller end

**\$4,000 - 5,000**



1024

1024

**A Tyrannosaurid Claw**

*Nanotyrannus sp.*

Cretaceous

*Hell Creek Formation, Butte County, South Dakota*

A very fine *Nanotyrannus* claw from one of the most rare Tyrannosaurs known from the Hell Creek Formation. The claw is completely original without restoration. An exceptional, covetable specimen.

Measures 4 in.

**\$5,500 - 7,000**

1025

**Triceratops Humerus**

*Triceratops*

Cretaceous

Lance Creek Formation, Wyoming

Amazing preservation distinguishes this *Triceratops* humerus. Virtually complete, it displays beautiful brown coloration and superb overall quality. The robust size of this specimen illustrates the fact that the humerus is the most massive of the leg bones of *Triceratops*.

Measures 31 in. x 16 in.

**\$3,000 - 4,000**



1025

1026

**Pachycephalosaur Skull Cap**

*Pachycephalosaur*

Cretaceous

Hell Creek Formation, Harding County,

South Dakota

*Pachycephalosaur*, meaning *thick-headed lizard*, is noted for its extremely thick skull roof.

This dinosaur species was one of the last non-avian dinosaurs alive by the time of the K-T extinction, the cataclysmic event that is thought to have caused the demise of all the dinosaurs.

It was an herbivorous or omnivorous creature with long hind limbs and small forelimbs. This dinosaur species is monotypic, meaning that the type species, *Pachycephalosaur wyomingensis*, is the only known species of the genus. The present specimen is an extremely large skull cap exhibiting amazing dimensions for this unusual species of Late Cretaceous dinosaur.

Width measures 14 inches

**\$6,000 - 8,000**



1026

1027

**Superb Natural Cast of Dinosaur Skin**

*Presumed Edmontosaurus*

Cretaceous

Hell Creek Formation, Montana

Dinosaur skin is the most rare and coveted of all dinosaur fossils, as its preservation takes place only under the most extraordinary conditions. The dinosaur remains had to have been covered by fine mud sediments shortly after the individual's death in order to prevent rapid bacterial decay. In the case of the present specimen, the skin texture was impressed in fine detail in soft clay, forming a natural mold. Later, more fine soil filled this natural mold, then hardened into rock, creating a natural cast that remained intact for over 65 million years, preserving the intricate shapes in the dinosaur skin long after the skin and other soft tissue were destroyed by bacteria. Found with some fragmented *Edmontosaurus* bones, this large section of amazing dinosaur skin is presumed to be from an *Edmontosaurus*. It is believed to have originated from the rear of the hip or tail section of the dinosaur. An interesting 2 x 1.5-inch feature that may represent a muscular or glandular structure beneath the skin is seen. Deep, very distinct skin texture is seen on both sides of the limestone matrix. The dark brown coloration of the specimen has not been enhanced.

Matrix measures 8 x 4 inches; Skin cast portions measure 4 x 2 inches and 3.5 x 3.5 inches, respectively

**\$2,750 - 4,000**



1027





1028



1029

1028

**Sauropod Cervical Vertebra with Fused Ribs**

*Barosaurus diplodocidae* (new species)

Late Jurassic Period

Washakie County, Wyoming

This lot comprises a complete, well-preserved cervical vertebra belonging to the long-necked sauropod, *Barosaurus*. Fossils such as the present example are seldom preserved intact without distortion. This interesting vertebra displays the unique evolutionary design that was needed to reach a neck out thirty feet or more, allowing the sauropods to reach gigantic proportions, exceeding all known land animals. The cervical ribs are fused to both sides of the centrum, making for a dramatic presentation. The bones have been mounted on a custom black metal stand, which contributes to the visual appeal of this fascinating piece.

Measures 21 in. x 18 in. x 14 in.

**\$7,000 - 8,500**

1029

**A Dinosaur Vertebra**

*Barosaurus diplodocidae* (new species)

Late Jurassic Period

Washakie County, Wyoming

Preserved without distortion, this specimen is a complete, well-preserved cervical vertebra from a new species of long-necked sauropod, *Barosaurus diplodocidae*. Mounted on a custom black metal stand.

Measures 21 in. x 19 1/2 in. x 6 in.

**\$6,000 - 7,000**

1030

**Pair of Sauropod Tail Vertebrae**

*Barosaurus diplodocidae* (new species)

Late Jurassic Period

Washakie County, Wyoming

Two complete, well-preserved caudal vertebrae from a new species of long-necked sauropod, *Barosaurus diplodocidae*. Fossils of this kind are seldom preserved intact, without distortion.

Measures Length 18in. x height 23 in. x 4 1/2 in.

**\$5,000 - 6,000**

1031

**Massive Dinosaur Humerus**

*Barosaurus diplodocidae* (new species)

Late Jurassic

Washakie County, Wyoming

This fossil is a complete uncrushed and beautifully preserved humerus (front leg bone) from a new species of *Barosaurus* discovered in the Big Horn Basin, Wyoming. The bone is from an adult individual that may have measured more than 85 feet in length. Closely related to the more familiar *Diplodocus*, *Barosaurus* was an enormous, long-necked, plant-eating dinosaur. Found only in the western United States, *Barosaurus* lived approximately 150 million years ago. *Barosaurus* remains are seldom found in this superfine condition. Handsomely mounted on a black metal stand, which adds to its dramatic visual appeal.

Measures 39 1/2 in x 19 1/2 in. x 6 in.

**\$7,500 - 9,000**



1030



1031





1032 - *Nanotyrannus* snout



1032 - An artist plaster model of the "Montana Dueling Dinosaurs"



1032 - Broken skull of the *Nanotyrannus*

1032

**The Montana Dueling Dinosaurs:  
An Historic Dinosaur Discovery**

*Nanotyrannus lancensis*

*Chasmosaurine ceratopsian (undescribed species)*

*Hell Creek Formation, Garfield County, Montana*

In 2006, a discovery was made in Garfield County, Montana representing one of the most important finds since humans first began uncovering dinosaur bones. Two specimens — the most complete dinosaur skeletons ever found in the Hell Creek Formation — were uncovered. Astoundingly, they were also fully articulated. Adding further significance, they were presented in such a manner as to suggest that they died while locked in mortal combat.

The Montana Dueling Dinosaurs comprise a theropod, thought to be a *Nanotyrannus lancensis* (a relative of *Tyrannosaurus rex*), and a large Chasmosaurine ceratopsian of undescribed species. This is one of only two known occurrences where a theropod (meat-eating dinosaur) and its ornithischian (herbivorous dinosaur) prey are preserved together.

Two points make The Montana Dueling Dinosaurs particularly important in terms of taxonomic understanding of dinosaur species: (1) The ceratopsian may represent a new and undescribed species (the uniqueness of its skull and pelvis appears to differentiate it from *Triceratops*), and (2) The controversy surrounding the genus, *Nanotyrannus* may be put to rest with further study of the theropod. Previously, researchers have contended that *Nanotyrannus* was simply a juvenile version of *T. rex*. The lack of theropod skeletons available for study has effectively stalled this debate; this remarkable specimen has the potential to end it.

One of the most valuable features of The Montana Dueling Dinosaurs is the presentation of the dinosaur specimens in preserved taphonomy. The specimens were removed from the ground in large, plaster-jacketed sections of earth, preserving the spatial relationships in which the bones were found within each block. This provides, quite literally, fertile ground

for scientific study of the individuals, the relationship between the two species, and life during the Cretaceous Age. Because the dinosaurs are also articulated, scientists will be able to learn about the anatomy and physiology of both theropods and ceratopsians. Also of importance is the presence of a leaf horizon directly beneath the two skeletons.

The excavation site will be made available for scientific study to better understand the series of events that led to this unique preservation.

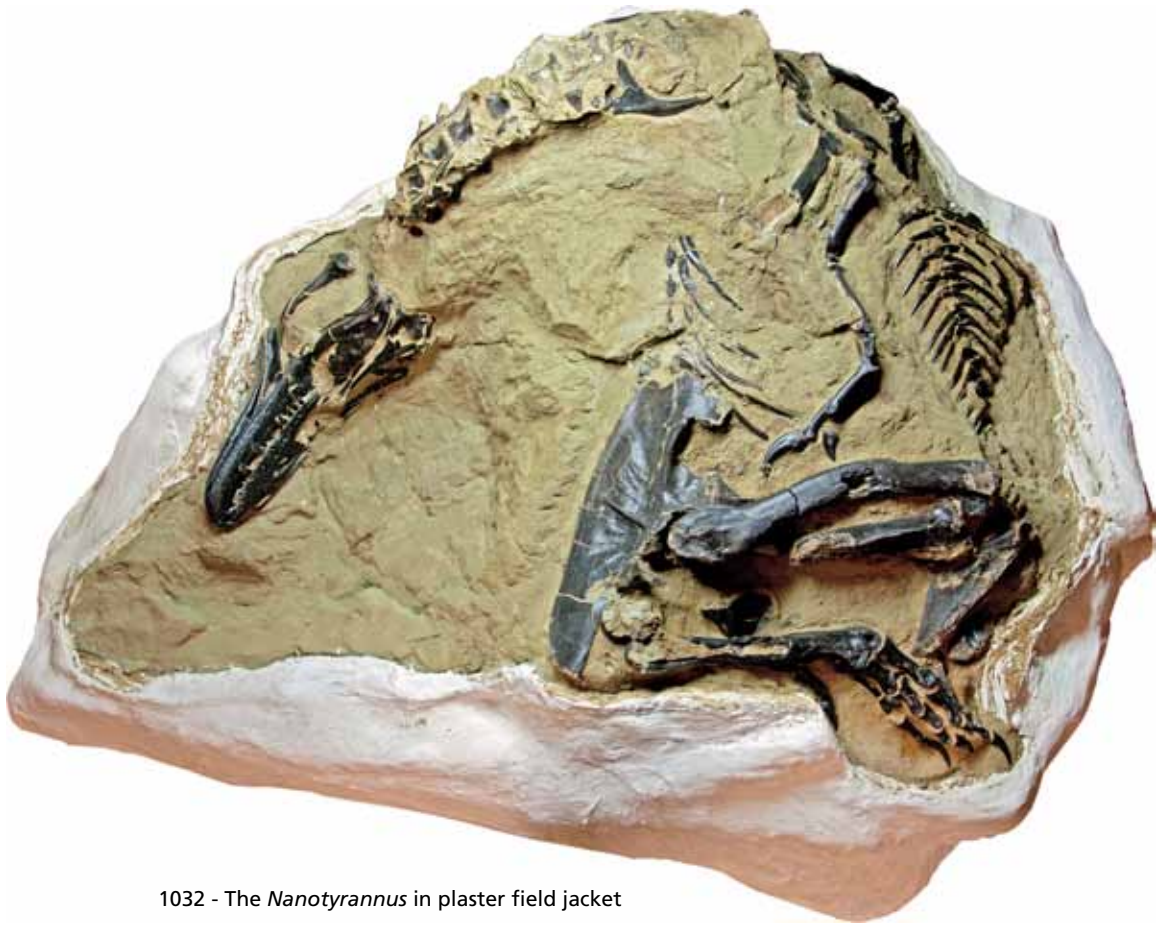
The theory that the two individuals were responsible for each other's deaths is evidenced by several factors: (1) the presence of *Nanotyrannus* teeth within the carcass of the ceratopsian, (2) the obvious lateral crushing of the *Nanotyrannus* skull and, (3) the fact that the tail of the meat eater lies directly under and in contact with the rear foot of the herbivore. At this time, scientists theorize that predator and prey are presented together in the final death pose of each.

Both dinosaur specimens of The Montana Dueling Dinosaurs exhibit preserved soft tissue, including skin — an extremely rare attribute. Although the texture of the skin on the *Nanotyrannus* appears very fine and difficult to discern, a skin envelope is clearly preserved. The coarser texture of the ceratopsian skin is clearly visible, even on the frill. In addition, these specimens provide an opportunity to explore for stomach contents.

The paleontological revelations that lie within The Montana Dueling Dinosaurs have yet to be fully uncovered. An awe-inspiring piece, The Montana Dueling Dinosaurs are an historic discovery and a magnificent treasure.

**\$7,000,000 - 9,000,000**





1032 - The *Nanotyrannus* in plaster field jacket

## Fact Summary

*The Montana Dueling Dinosaurs* comprise the most complete dinosaur fossils ever discovered in the Hell Creek Formation.

*The Montana Dueling Dinosaurs* dinosaur specimens are completely articulated.

The specimens of *The Montana Dueling Dinosaurs* are presented in preserved taphonomy.

*The Montana Dueling Dinosaurs* comprise predator and prey, discovered together, in what is understood as the final death pose of each.

*The Montana Dueling Dinosaurs* include the remains of a newly discovered dinosaur species of Chasmosaurine Ceratopsian.

Both dinosaur specimens of *The Montana Dueling Dinosaurs* exhibit preserved soft tissue.



1032 - Ceratopsian foot

## Preliminary Report on the Montana Dueling Dinosaurs

September 2011, Peter Larson, Black Hills Institute, Hill City, SD

A truly remarkable and exciting discovery was made in the Hell Creek Formation of Montana in the summer of 2006. Rancher and fossil collector Clayton Phipps along with a team of preparators excavated two of the most complete dinosaurs ever found in the Late Cretaceous rocks of North America (66MYA). Both skeletons are articulated and virtually complete. Amazingly, there is very compelling evidence that points to the conclusion that these dinosaurs died together, perhaps locked in mortal combat. Clayton Phipps and his team dubbed the pair the "Montana Dueling Dinosaurs".

### The Herbivore

The horned dinosaur is the most complete Chasmosaurine skeleton found to date. It either represents a new genus and species, a new species of *Triceratops*, or the most complete and oldest individual of *Triceratops horridus* ever found. There are certain characters of the skull (very short brow horn, extra horny growth in front of the eye, etc.) and ischium that will need to be explored before it is relegated to *Triceratops*. If, in fact, it is eventually decided that it is a very old and pathologic *Triceratops horridus*, it still will bring to an end a very heated and current scientific debate: Is *Torosaurus* simply a very old *Triceratops*? The answer would be: No. And, of course this would be the most complete *Triceratops* skeleton ever found (the most complete to date is 75%).

To add to that, there is soft tissue preservation on the specimen. Several patches of skin have been found on the pelvis and body. There is even skin preserved on the skull, proving that the frill of ceratopsians was covered in skin, not keratin, as has been proposed by some researchers. Because the patches of skin have been found on the "up" side of the specimen, the chances of more, and better preserved, skin on the underside is almost a sure bet.



1032 - Skin on *Nanotyrannus* arm



1032 - Gastralia from *Nanotyrannus*



1032 - *Nanotyrannus* hand

## The Carnivore

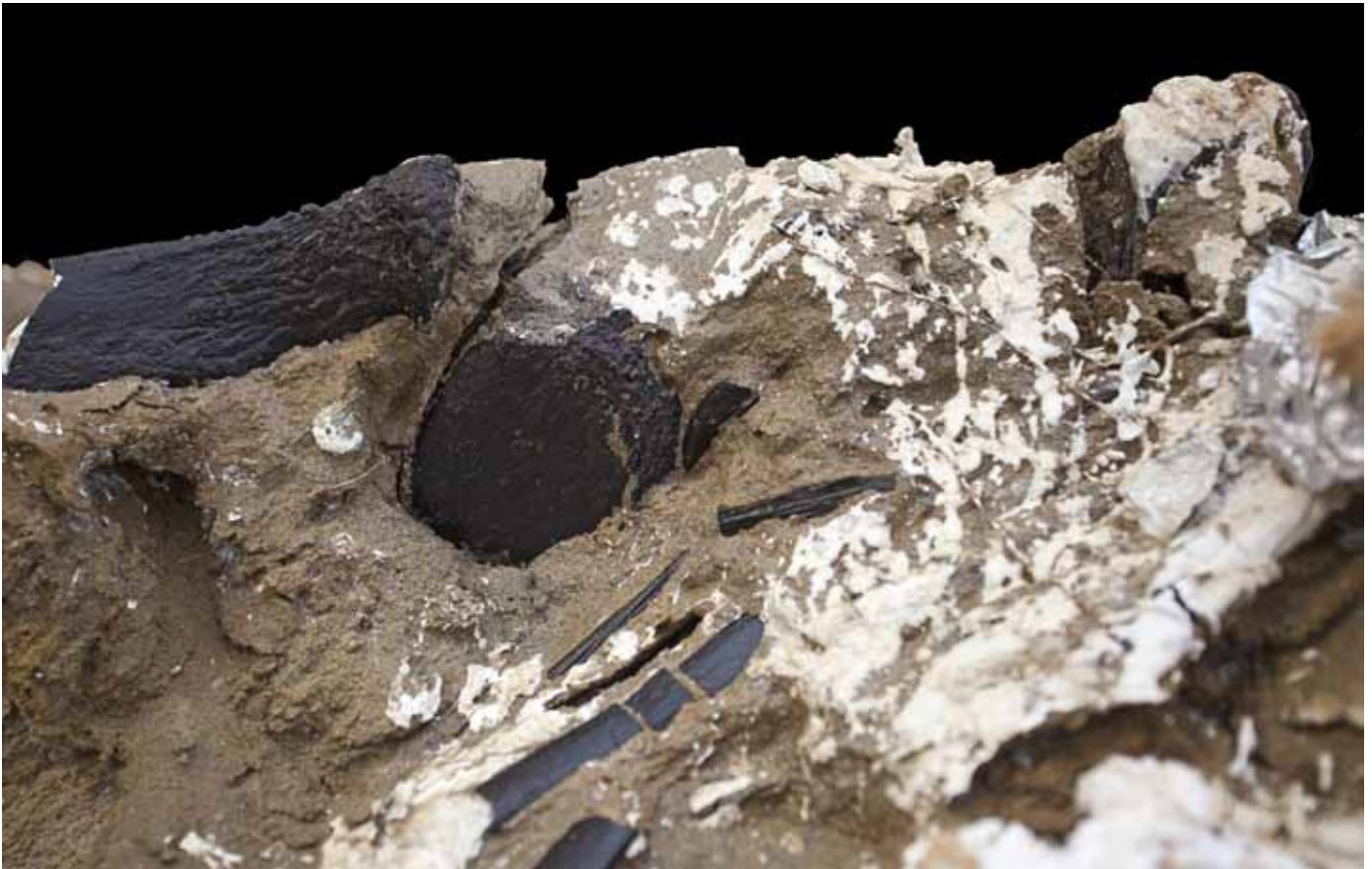
The theropod skeleton is, by far the most complete theropod ever recovered from the Hell Creek Formation. It is identified as *Nanotyrannus lancensis*. *Nanotyrannus*, described in 1985, came under fire, starting in 1999, by a group of scientists who claim that the known specimens do not comprise a valid genus, but simply represent juvenile *Tyrannosaurus rex*. Clayton Phipps and his crew's discovery puts an end to that debate.

This skull shows the disparity in the number of teeth: *Nanotyrannus lancensis* has 15-16 maxillary tooth positions and 17 dentary tooth positions, *Tyrannosaurus rex* has 11-12 maxillary and 13-14 dentary. *Nanotyrannus* has an incisoform first maxillary tooth and *Tyrannosaurus* does not. All told there are more than a score of skull characters that separate the two.

With the addition of this skeleton, a number of new postcranial characters are able to be demonstrated. The hand on this specimen is not just proportionally larger than the largest *T. rex* hand, it is actually larger (every bone) than the largest *T. rex* hand (Sue) and much larger than any other *T. rex* hand. To give you an idea how astounding this is, Sue's skull measures approximately 60 inches in length, This *Nanotyrannus* skull is only 21 inches long.

The wishbone (furcula) on this specimen is shaped like a U, *T. rex* wishbones are shaped like a V. The articulation for the arm (humerus) on the shoulder girdle (scapula-coracoid) faces outward. On *T. rex* this joint faces downward. The rear limb proportions, even given changes related to growth, do not match those expected for a juvenile *T. rex*. In short, this specimen validates the legitimacy of *Nanotyrannus lancensis*.





1032 - A *Nanotyrannus* tooth embedded in the skin envelope of the Ceratopsian

## The Battle

The discovery of two articulated and touching dinosaur skeletons (one herbivore and one carnivore) in one excavation is remarkable in itself. However, there is more to the story. There is evidence that these dinosaurs not only died together, they probably caused each other's death. They seem to have literally died while "fighting" each other.

At least two teeth from *Nanotyrannus* have been discovered within the carcass of the Ceratopsian. One was found during preparation of the main body block. This tooth is positioned between the lateral and dorsal spines of one of the posterior dorsal vertebrae. Because this tooth was implanted deeply in what would have been muscle tissue, very near the preserved skin, it certainly appears that this was a tooth lost during a death struggle. The second tooth was found during the separation of the skull and neck block from the main body block. This tooth is very near the base of the neck and appears to have been implanted deeply within the muscle tissue. It seems likely that both teeth were lost by the *Nanotyrannus* as a result of an attack upon the Ceratopsian.

Looking closely at the skull and chest region of the *Nanotyrannus* skeleton, it seems likely that this individual suffered some major trauma near the time of its death. Bones in region of the chest (scapula-coracoids and furcula) are shattered, as if kicked in. In addition, the skull, which is preserved in situ, ventral side up, has been pushed in from the right side, folding it in the middle. The right side of the maxilla is missing a number of teeth and broken roots project from some of the alveoli. Coincidentally, a group of broken *Nanotyrannus* teeth were found between the skull of the *Nanotyrannus* and the foot of the Ceratopsian.

The two specimens were buried so closely together that they were actually touching. The tail of the *Nanotyrannus* flows beneath and is in contact with the tail and the right rear foot of the Ceratopsian. It seems appropriate to speculate that these dinosaurs died together after a fatal confrontation.



1032 - The Ceratopsian skull in plaster field jacket

## Preservation

The preservation of the “Montana Dueling Dinosaurs” is, in every way, superb. The bones are nearly black in color, unusual, but not unheard of for the Hell Creek Formation. Because the specimens are preserved in fine-grained, loosely consolidated sandstone, they are virtually uncrushed despite the weight of sediments originally deposited above them. The typical craze of fractures found in most Hell Creek specimens seems to be absent in these spectacularly preserved individual bones.

There is very little evidence of cell space filling due to permineralization, a plus when searching for original protein preservation. There appears to be a “skin envelope” that surrounds both skeletons. In some areas of the *Nanotyrannus* a dark surface is seen that in all probability may be skin. It is important to note that tyrannosaurs have a very fine textured skin that is hard to discern, and is often overlooked, in a sandy matrix.

Skin can be easily seen in several areas of the Ceratopsian skeleton, especially above the left side of the sacrum on the pelvis. Because Chasmosaurine skin is so coarse (Sternberg 1925), it is much easier to detect than tyrannosaur skin. This skin shows some tubercles that measure nearly 10 centimeters in diameter.

## Present Condition

As of September, 2011 the “Montana Dueling Dinosaurs” are separated into 4 large blocks with plaster and timbers supporting them. In addition, there are a number of smaller blocks and packages that were collected in the process of removing the skeletons from the original quarry. It would take more than a week to stabilize and ready the blocks for movement.

Plans are being made to turn over and prepare the Ceratopsian skull from the down side. This will reveal the top and left sides of the skull, and reveal more of its unique characters.





1032 - Applying plaster field jackets



1032 - Ceratopsian in ground

The Montana Dueling Dinosaurs are unique and important for a number of reasons:

- They represent two of the most complete dinosaur skeletons yet discovered in the Hell Creek Formation.
- Both skeletons are fully articulated, a rare occurrence for any dinosaur skeleton.
- Because the specimens were collected in large blocks and access to the site will be provided, contextual information has been preserved.
- The Ceratopsian may represent a new genus and species and the theropod represents a contentious taxa; both specimens are extremely rare and unique.
- The anatomical information preserved with these two specimens extends beyond the skeletons and includes soft tissue, such as skin.
- Bone preservation is so superb, perhaps even proteins may be discovered as the preparation continues.
- The Dueling Dinosaurs are a testament to the diversity of dinosaur species at the end of the age of dinosaurs.
- The Dueling Dinosaurs preserve a moment in time, caught like a snapshot from an ancient 3D camera, when these two dinosaurs died, presumably battling and simultaneously killing each other.





1033

1033

**Large Duckbilled Dinosaur Skull**

*Edmontosaurus annectens*

*Cretaceous*

*Lance Creek Formation, Wyoming*

Sometimes known as the *Cattle of the Cretaceous*, herds of duck-billed dinosaurs, or hadrosaurs, ranged throughout North America during the *Age of Dinosaurs*, serving as sustenance for the meat-eating giants of the period, such as *T-rex*. The present offering is an extremely large skull collected over ten years ago on a private ranch in Wyoming. It comprises approximately 60% original bone and is very large for the species. Mounted on a custom metal base.

Measures 46 x 17.5 inches

**\$50,000 - 70,000**





1034

1034

Massive *Triceratops* Skull

*Triceratops prosus*

Cretaceous

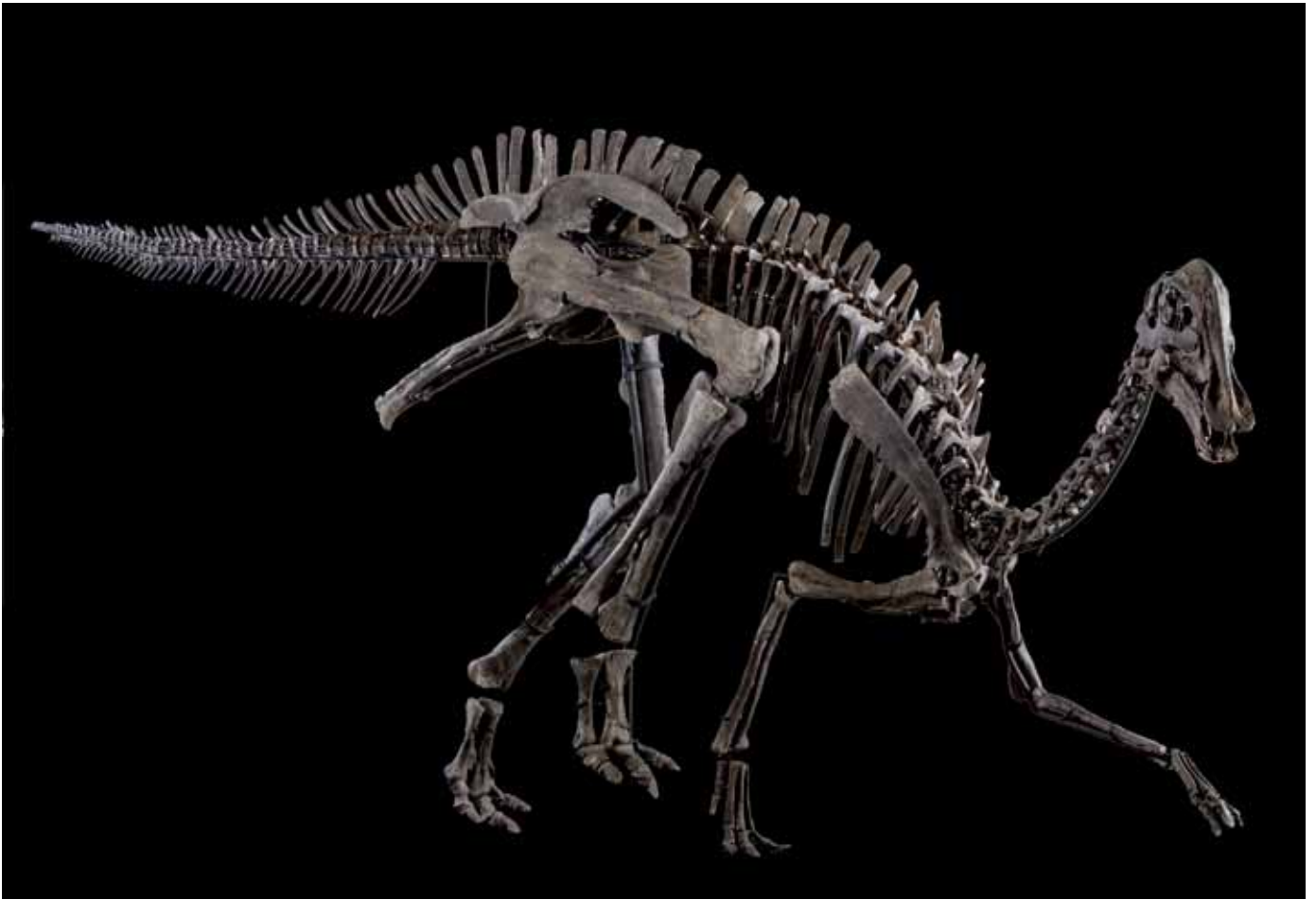
Garfield County, Montana

*Triceratops* is unquestionably one of the most popular dinosaurs known. It lived at the end of the Cretaceous, 65 millions years ago, in vast herds that are 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.

One of the largest *Triceratops* skulls ever to have been brought to auction, the present specimen is approximately 95% complete, an amazing statistic considering that most ceratopsian skulls are partial specimens at best. This magnificent example was discovered on a private ranch by Jason Phipps, the brother of Clayton Phipps, the discoverer of the *Montana Dueling Dinosaurs*. Its massive structure is nearly perfect with very little distortion. Excavated as an articulated specimen completely intact in the ground, this extraordinary piece needed very little preparation. The lower jaws are cast reproductions. The magnificent specimen is offered with a photo history and a copy of legal rights of collection from the ranch owner.

Length from tip of beak to top of frill measures 7 feet 3 inches

**\$180,000 - 220,000**



1035

1035

**Mounted Juvenile Hypacrosaurus Skeleton**

*Hypacrosaurus*

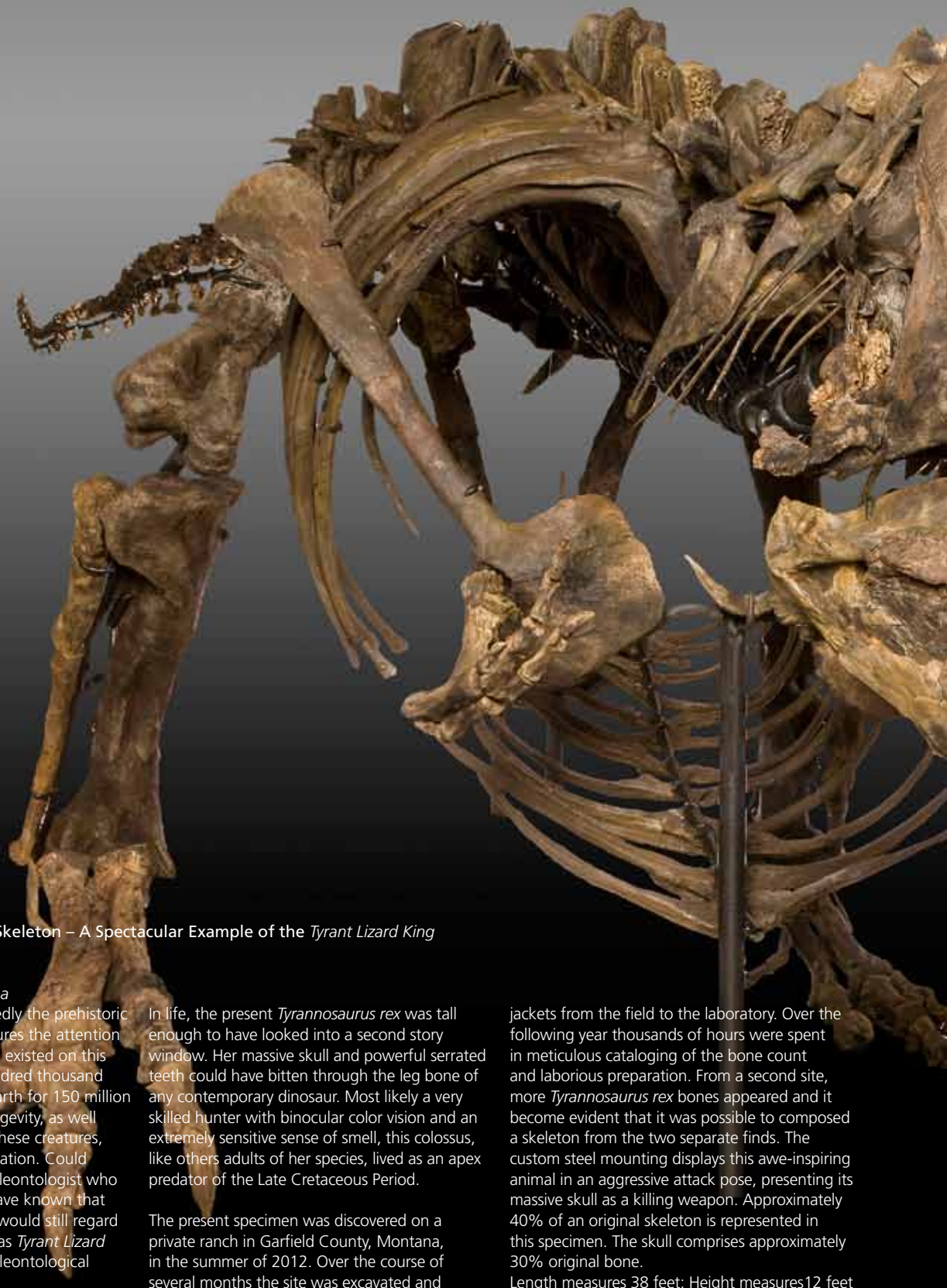
*Cretaceous*

*Hell Creek Formation, Montana*

An obscure species until 1994, when it was formally named, *Hypacrosaurus* was a large, plant-eating, hollow-crested species of duck-billed dinosaur, or hadrosaur. Its short toothless *beak* and almost forty rows of cheek teeth evidence its herbivorous habit. A row of short spines along its vertebrae formed a small fin on its back. The hollow, bony crest on top of its long head is thought to have been used for courtship displays and as a resonating chamber for making sounds. As its nostrils extended up through the crest, perhaps the crest also served as an enhancer to the animal's sense of smell. It may also have served as a cooling device. The present beautifully prepared juvenile specimen is mounted in a lifelike walking posture illustrating its quadrupedal (four-legged) capability. The robust rear leg structure suggests that the animal also stood on its hind legs, probably to reach higher branches when feeding. This specimen boasts nearly 80% original bone and has been mounted on a custom metal armature.

Length measures 11 feet, 9 inches; Height measures 5 feet, 5 inches

**\$175,000 - 225,000**



1036

**Mounted *Tyrannosaurus rex* Skeleton – A Spectacular Example of the *Tyrant Lizard King***

*Tyrannosaurus rex*

Cretaceous

Hell Creek Formation, Montana

*Tyrannosaurus rex* is undoubtedly the prehistoric species that most readily captures the attention of our own species, which has existed on this planet for only about two hundred thousand years. Dinosaurs reigned on Earth for 150 million years and it is perhaps this longevity, as well as the magnificent variety of these creatures, that most engages our imagination. Could Henry Fairfield Osborn (the paleontologist who named the species in 1905) have known that more than a century later we would still regard *Tyrannosaurus rex*, translated as *Tyrant Lizard King*, as the monarch of all paleontological treasures?

In life, the present *Tyrannosaurus rex* was tall enough to have looked into a second story window. Her massive skull and powerful serrated teeth could have bitten through the leg bone of any contemporary dinosaur. Most likely a very skilled hunter with binocular color vision and an extremely sensitive sense of smell, this colossus, like others adults of her species, lived as an apex predator of the Late Cretaceous Period.

The present specimen was discovered on a private ranch in Garfield County, Montana, in the summer of 2012. Over the course of several months the site was excavated and the bones were carefully removed in plaster

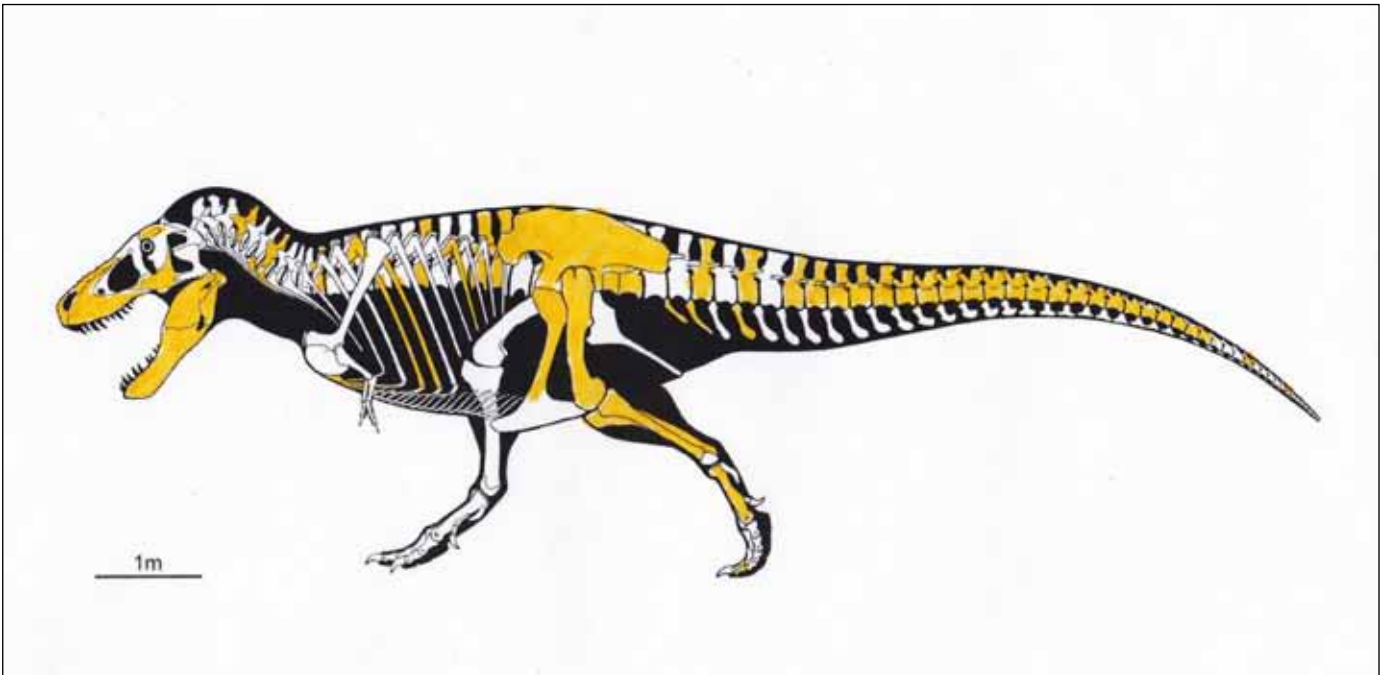
jackets from the field to the laboratory. Over the following year thousands of hours were spent in meticulous cataloging of the bone count and laborious preparation. From a second site, more *Tyrannosaurus rex* bones appeared and it became evident that it was possible to composed a skeleton from the two separate finds. The custom steel mounting displays this awe-inspiring animal in an aggressive attack pose, presenting its massive skull as a killing weapon. Approximately 40% of an original skeleton is represented in this specimen. The skull comprises approximately 30% original bone.

Length measures 38 feet; Height measures 12 feet  
**\$1,800,000 - 2,200,000**









1036 - Bones represented in skeleton



1036 - Bones represented in skeleton



1037

1037

**Mounted Juvenile Tenontosaurus Skeleton**

*Tenontosaurus tilletti*

*Early Cretaceous, Aptian/Albian Stages*

*Cloverly Formation, South-Central Montana*

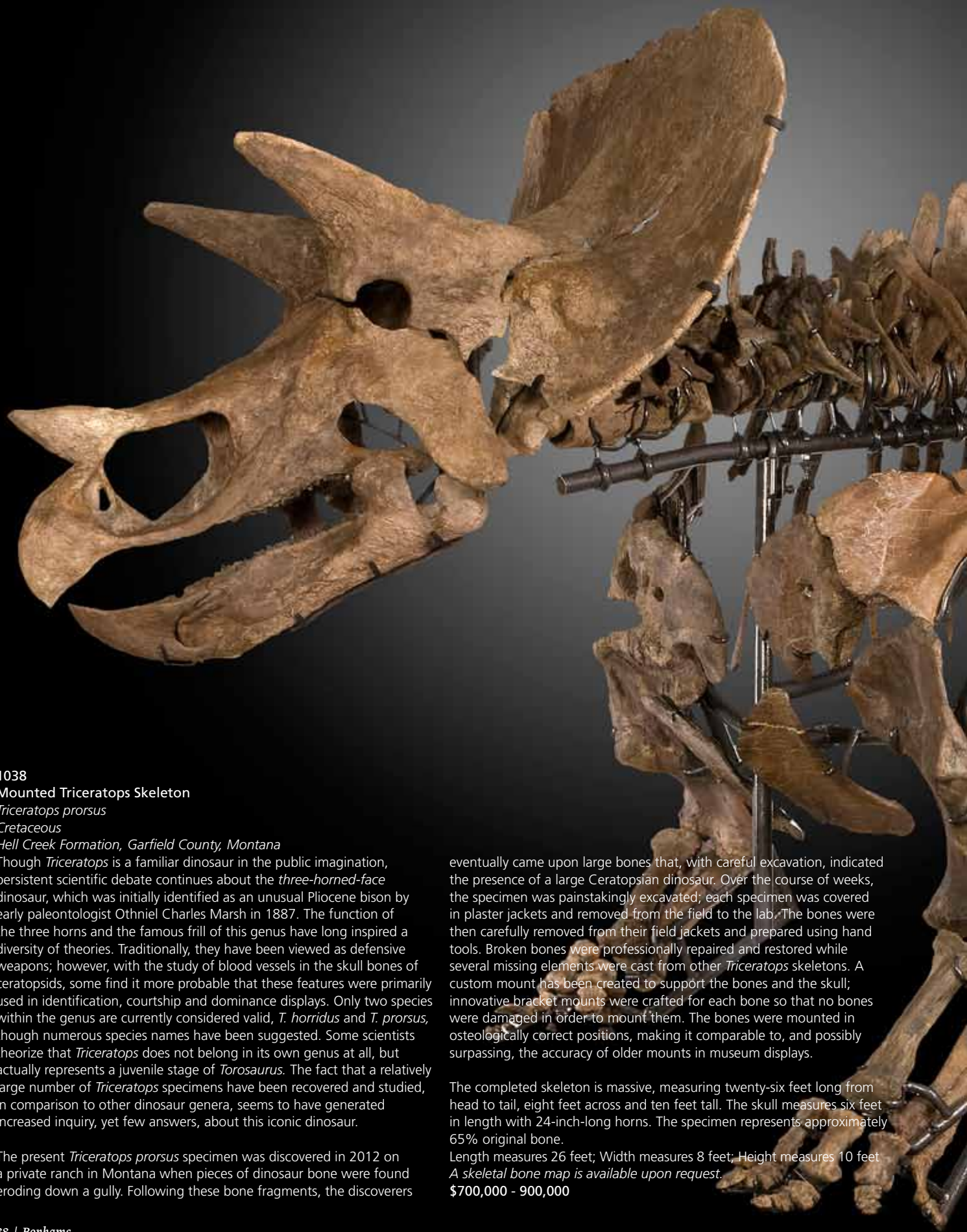
*Tenontosaurus* has been described as a basal or early iguanodontid, as the skull and teeth would suggest, though, postcranially, it very closely resembles the hypsilophodontids, adding to the uniqueness of this dinosaur which lived in the swamps of the Early Cretaceous. Although it probably ran on two legs, the adult *Tenontosaurus* was comparatively large and bulky and probably spent most of its time on four legs, grazing.

Juvenile dinosaurs from North America are exceedingly rare. Beyond its rarity in the general sense, the present specimen displays a notable pathology to the right forelimb. There is massive exostosis (extra bone growth) to both bones, and the distal end of one is completely gone. Perhaps this little dinosaur was attacked by a large raptor such as a *Deinonychus* (a contemporary and very well known predator of this time period and geologic formation), and narrowly escaped. The injury did not kill this diminutive individual, as the massive bone growth after the fact clearly shows.

Straight-line measurement from tip of nose to end of tail: 75inches;

Height, including mount, measures 26 1/2in

**\$150,000 - 180,000**



**1038**  
**Mounted Triceratops Skeleton**

*Triceratops prorsus*

Cretaceous

Hell Creek Formation, Garfield County, Montana

Though *Triceratops* is a familiar dinosaur in the public imagination, persistent scientific debate continues about the *three-horned-face* dinosaur, which was initially identified as an unusual Pliocene bison by early paleontologist Othniel Charles Marsh in 1887. The function of the three horns and the famous frill of this genus have long inspired a diversity of theories. Traditionally, they have been viewed as defensive weapons; however, with the study of blood vessels in the skull bones of ceratopsids, some find it more probable that these features were primarily used in identification, courtship and dominance displays. Only two species within the genus are currently considered valid, *T. horridus* and *T. prorsus*, though numerous species names have been suggested. Some scientists theorize that *Triceratops* does not belong in its own genus at all, but actually represents a juvenile stage of *Torosaurus*. The fact that a relatively large number of *Triceratops* specimens have been recovered and studied, in comparison to other dinosaur genera, seems to have generated increased inquiry, yet few answers, about this iconic dinosaur.

The present *Triceratops prorsus* specimen was discovered in 2012 on a private ranch in Montana when pieces of dinosaur bone were found eroding down a gully. Following these bone fragments, the discoverers

eventually came upon large bones that, with careful excavation, indicated the presence of a large Ceratopsian dinosaur. Over the course of weeks, the specimen was painstakingly excavated; each specimen was covered in plaster jackets and removed from the field to the lab. The bones were then carefully removed from their field jackets and prepared using hand tools. Broken bones were professionally repaired and restored while several missing elements were cast from other *Triceratops* skeletons. A custom mount has been created to support the bones and the skull; innovative bracket mounts were crafted for each bone so that no bones were damaged in order to mount them. The bones were mounted in osteologically correct positions, making it comparable to, and possibly surpassing, the accuracy of older mounts in museum displays.

The completed skeleton is massive, measuring twenty-six feet long from head to tail, eight feet across and ten feet tall. The skull measures six feet in length with 24-inch-long horns. The specimen represents approximately 65% original bone.

Length measures 26 feet; Width measures 8 feet; Height measures 10 feet  
A skeletal bone map is available upon request.

**\$700,000 - 900,000**









1038 - Bones represented in skeleton



1038 - Bones represented in skeleton



1039

**Incomparable Ornithopod Skeleton**

*Thescelosaurus* sp.

Late Cretaceous

Hell Creek Formation, Harding County, South Dakota

One of the last survivors of the Age of Dinosaurs, *Thescelosaurus* first appeared at the very end of the Late Cretaceous Period. This ornithopod (bipedal ornithomimid dinosaur) is known from several partial skeletons and skulls. It possessed sturdy hind limbs, small wide hands and a head with an elongated pointed snout. The structure of its teeth and jaws suggest a primarily herbivorous habit. The present impressive specimen leaves no doubt as to why the name *Thescelosaurus*, meaning *godlike*, *marvelous* or *wondrous*, was given to this species. With approximately 85% of the original skeleton represented, this is possibly one of the most complete examples of this genus known. The skeleton has been mounted on a custom metal armature attached to a hardwood base.

Length measures approximately 9 feet

\$400,000 - 550,000



1039 (detail)



1040



1041





1042

1040

**Jurassic Dinosaur Skull - Research Quality Cast Replica**

*Ceratosaurus nasicornis*

*Jurassic*

Morrison Formation, Utah

Among the Jurassic predators, *Ceratosaurus* boasts the most formidable skull, characterized by the prominent nasal horn and multi-sabre-toothed dentition. It is estimated that an adult *Ceratosaurus* may have gained lengths reaching more than thirty feet. The present offering is a mounted research quality cast of the largest known skull specimen of *Ceratosaurus nasicornis*. The mold was produced from a beautifully preserved and exceptionally large specimen discovered in the Cleveland Lloyd Dinosaur Quarry (Morrison Formation), Emery County, Utah. This valuable specimen is housed in the Utah Museum of Natural History (UMNH 5728.) A second comparable specimen, in the collections at Brigham Young University, was also used to accurately complete the missing bones to the Cleveland Lloyd skull and lower jaws bringing the representation of actual bone to more than 60%. Fossils attributable to *Ceratosaurus nasicornis* are rare and the paleontology of the species is poorly known. Ontogeny, sexual dimorphism, phyletic relationships, among numerous other biological information have yet to be established for this interesting dinosaur.

Measures 41 x 29 x 18 inches

**\$6,000 - 8,000**

1041

**Prehistoric Whale Skull**

*Zygorhiza* sp.

*Late Eocene*

*Ocala Limestone, Dixie County, Florida*

Closely related to the gigantic *Basilosaurus*, *Zygorhiza* possessed an unusually sleek, narrow body as well as the long head exemplified by the present specimen. An even more curious feature of this 44-42-million-year-old Archaeocete (ancient whale) is that its front flippers were hinged at the elbows, hinting at the potential of this prehistoric whale to have made its way onto land, perhaps to give birth to its young. *Zygorhiza* is the state fossil of Mississippi.

The present offering is one of the most complete skulls of this rare Eocene whale ever found. All teeth are original. Offered with the skull are approximately fifteen postcranial bones including the atlas/axis vertebrae, ten other vertebrae (mostly caudal), a partial humerus, radius, ulna and most of the sternum. All of the teeth are original. This specimen has never been molded or cast, representing a significant opportunity. A very important specimen.

Measures 39 inches

**\$60,000 - 80,000**

1042

**Mammoth Tusk, Alaskan**

Attractive Woolly Mammoth Tusk

*Mammuthus primigenius*

*Pleistocene*

*Alaska*

Immersion for thousands of years in the Alaskan permafrost produced the captivating patina on this tusk from an extinct member of the Elephantidae family. As the woolly mammoth roamed the Alaskan tundra during the last Ice Age, it was hunted by early humans for meat, as well as for its tusks and bones, from which tools, art and dwellings were made. It disappeared from the mainland at the end of the Pleistocene, 10,000 years ago; experts argue over the extent to which the cause of its extinction was due to climate change versus hunting by humans. The present specimen exhibits the characteristic curve prized by collectors.

Mounted on a custom wooden stand.

Measures 58 in. x 5 in.

**\$18,000 - 22,000**



1043

1043

**Immense *Blue* Mammoth Tusk**

*Mammuthus primigenius*

*Pleistocene*

*Yukon, Canada*

One of the largest *blue* mammoth tusks known, this extremely rare and unique mammoth tusk is from Canada. Entombment for thousands of years in the permafrost produced the spectacular color of this extraordinary tusk from an extinct member of the Elephantidae family, which ranged throughout Eurasia and North America during the Pleistocene. Most tusks exhibit creams, tan and browns, but only occasionally does a *blue* tusk emerge from the prehistoric permafrost. This example had been buried in a large deposit of the mineral vivianite, producing its amazing blue color. The distinctively curved tusks of the woolly mammoth are thought to have been used to help dig away the snow of the Ice Age tundra while feeding, and also may have been used in intraspecific combat, in competition for mates, for example. The massive size, exceptional curve and amazing blue coloration distinguish this example. The complex design of the metal stand was created to harness the extraordinary weight and curvature of the tusk, allowing the viewer the opportunity to appreciate every angle and color of this very rare piece.

Measures 12 feet; Weighs 285 pounds

**\$250,000 - 300,000**



1044

1044

**Giant Irish Elk Skull and Antlers**

*Megaloceros giganteus*

Pleistocene

German

Popularly known as the Irish Elk, *Megaloceros giganteus* was one of the largest deer species that ever lived. These extinct prehistoric creatures roamed from Ireland in the West to Lake Baikal in the East during the Late Pleistocene. *Megaloceros giganteus* first appeared approximately 400,000 years ago. Standing up to 2.1 meters (6.9 ft) tall at the shoulders, the species boasted the largest antlers of any known cervid. Some scientists have suggested that the demise of the Irish Elk may have been due to human hunting, as may have been the case with other Pleistocene megafauna.

The present fine specimen, with an antler measurement of an impressive five feet across, would be a covetable prize for the collector of distinguished fossils or the ultimate addition to any trophy room. The specimen comes from a private collection in France. The skull and antlers are natural to each other.

Width of antlers measures 60in

**\$30,000 - 35,000**





1045

1045

**Rare Nimravid – Incomparable Mounted Skeleton**

*Pogonodon platycopis*

Late Oligocene

*White River Badlands, Upper Brule Formation, Northeast Shannon County, South Dakota*

Millions of years before members of the cat family evolved into saber-tooths, a group of now-extinct, primitive carnivores occupied the same niche. Often referred to as *false saber-toothed cats*, these were the Nimravids. Extremely rare in the fossil record, no *Pogonodon platycopis* remains have been discovered that are comparable in quality to the present specimen.

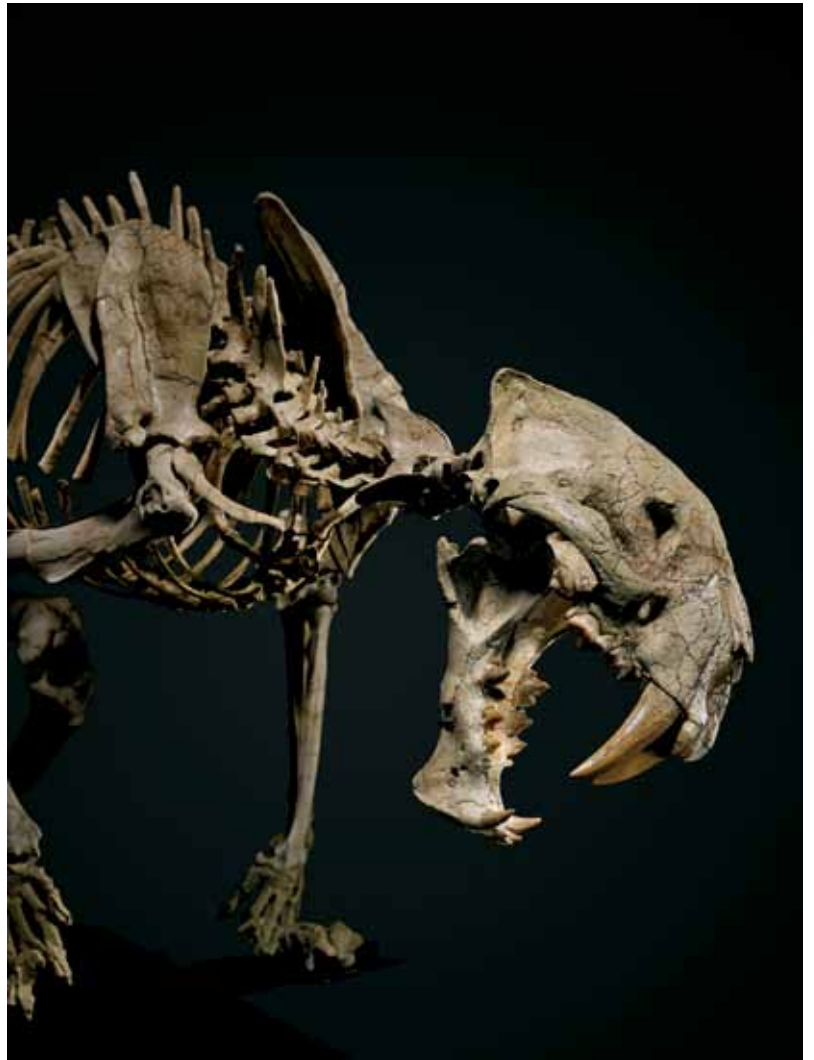
A virtually complete individual, fully articulated and mounted, this is the finest specimen from one individual discovered to date. Its beautiful preservation is seen in the lack of distortion of the bones and the fine texture of the bones, which display very little erosion. 70-80% complete by bone count, the specimen is articulated in an animated predatory pose. *Pogonodon platycopis* has not been formally described in the paleontological literature, which provides desirable research opportunities. The armature is designed for easy dismantling to provide for study and examination of each individual bone.

The spectacular 10-inch-long skull, displaying its stunning dentition, is one of the most complete examples known for this species. The teeth are remarkably well preserved and unworn, suggesting that the individual died in its prime. The formidable upper canines are original, measuring approximately 3 1/2 inches along the outer curve. An interesting pathology is seen in the middle left lower jaw, just below the carnassial. As evidence of healing is displayed, it is apparent that the individual sustained an injury during its life.

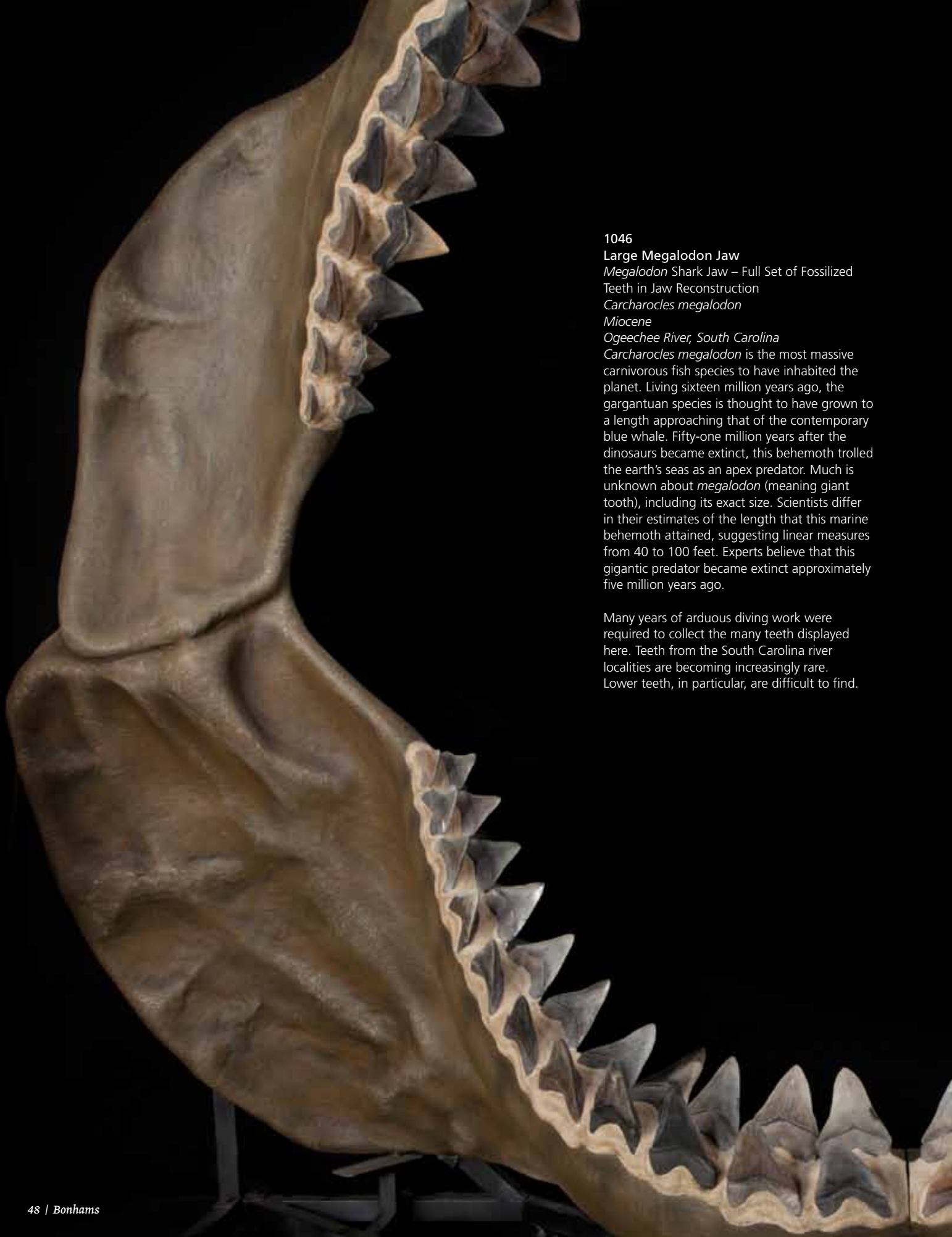
In life, *Pogonodon platycopis* would have approximated the size and weight of a modern jaguar or African lioness. The powerfully constructed forelimbs likely aided this carnivore in hunting animals that greatly exceeded their own weight. The shortened cranium accommodated the formidable upper canines, which were used for stabbing and bleeding its prey. Stalking and ambush were likely its predatory strategy.

Measures 84 in.

**\$180,000 - 220,000**



1045 (detail)



1046

**Large Megalodon Jaw**

*Megalodon* Shark Jaw – Full Set of Fossilized  
Teeth in Jaw Reconstruction

*Carcharocles megalodon*


*Miocene*

*Ogeechee River, South Carolina*

*Carcharocles megalodon* is the most massive carnivorous fish species to have inhabited the planet. Living sixteen million years ago, the gargantuan species is thought to have grown to a length approaching that of the contemporary blue whale. Fifty-one million years after the dinosaurs became extinct, this behemoth trolled the earth's seas as an apex predator. Much is unknown about *megalodon* (meaning giant tooth), including its exact size. Scientists differ in their estimates of the length that this marine behemoth attained, suggesting linear measures from 40 to 100 feet. Experts believe that this gigantic predator became extinct approximately five million years ago.

Many years of arduous diving work were required to collect the many teeth displayed here. Teeth from the South Carolina river localities are becoming increasingly rare. Lower teeth, in particular, are difficult to find.





Collecting data indicate that *megalodon* lost upper teeth more frequently than lower teeth, at an approximate ratio of eight to one. It is theorized that the upper teeth, which would have been used as tools to hack off chunks of flesh from prey, sustained the most wear.

The present offering comprises 184 fossil shark teeth mounted in a resin reconstruction representing the cartilaginous jaw of *Carcharocles megalodon*. Originating from a number of different individuals, the specimens have been carefully chosen to illustrate the correct positions and sizes that would have been seen in life. Four of the teeth measure an amazing 6.25 inches in length. The work of the preparator who fashioned this magnificent piece has been featured on National Geographic Channel's *Predators*.  
Measures 8 x 9.5 feet  
\$300,000 - 400,000



1047

**1047**  
**Impressive Titanotherium Skull**

*Titanotherium sp.*

*Oligocene*

*Brule Formation, Wyoming*

The formidable skull of this prehistoric rhinoceros-like mammal displays beautifully preserved original teeth, which are characteristic of its herbivorous habit. Expertly prepared, it displays most of the animal's original teeth. The lower jaw is original to the specimen. Now extinct, Titanotheres (also known as Brontotheres) were ancestors of the horse, rhinoceros and tapir. These large-hoofed mammals originated during the Early Eocene and died out during the Oligocene, some 28 million years ago. The bony protuberances on their massive skulls are thought to have been used in intraspecific combat or as defensive weapons against predators. It is possible that they lived in herds. The present amazing specimen was collected by Frank Garcia in the 1990's. It is mounted on a custom oak base.

Measures 33 x 21 x 21 inches including stand height  
**\$20,000 - 25,000**

**1048**  
**Charcharodon Megladon Tooth**

*Carcharodon megalodon*

*Miocene*

*South Carolina*

Discovered in the muddy river waters of South Carolina, this huge 15-million-year-old *Carcharodon megalodon* tooth belonged to a shark that would have measured over sixty feet in length (estimating the length of a shark at approximately ten feet to every one inch of tooth.) The specimen boasts excellent light golden caramel enamel, a complete medium brown root and sharply defined serrations on the edges. *Carcharodon megalodon* was the largest shark that ever lived. Fossilized whalebones from its prey have often been found alongside tooth specimens from this Miocene behemoth, which grew to over fifty feet in length. The spectacular tooth is offered on a custom display stand with a plaque inscribed, *Megalodon*. No restoration has been performed on this specimen.

Measures 6 in.  
**\$3,000 - 4,500**

**1049**  
**Rare Lebanese Toothed Fish**

*Akromysta sp., Scombroclupea sp., Armigatus sp.*  
*Haqil, Byblos, Lebanon*

This large fish specimen represents the most primitive group of fish found in Lebanon. It is characterized by a hypertrophy of the mesethmoid, which covers a portion of the upper jaw, a single pattern of completely ossified dorsal and ventral scales, and the covering of the spines on the scales of the ventral fin. It has no living relatives. The massive teeth are highly defined within the mouth. It is accompanied by three smaller fish related to modern herrings and sardines.

Matrix measures 21.5 x 19.5 inches  
**\$10,000 - 12,000**



1048



1049



1050

1050

**Lebanese Sawfish Part and Counterpart**

*Libanopristis hiram*

Late Cretaceous

Hgula, Byblos, Lebanon

*Libanopristis hiram* has no living relatives. In sawfishes, the pectoral fins join the rostrum (the "saw") and the head is not individualized from the body. Sawfishes display a snout stretching into a rostrum (the "saw") laterally holding small teeth. The present specimen is a well-preserved *positive/negative* presentation of a Lebanese sawfish from the family Sclerorhynchidae. Specimens of this quality are very rare and highly sought after by serious collectors. Numerous contrasting dendrites enhance the overall beauty of this specimen. From the private collection, *The Memory of Time*. Fitted with a metal cleat system for wall display. (2) Each matrix measures 47 x 18.5 inches; each fish measures 39.5 inches \$7,500 - 9,000

1051

**Rare Lebanese Guitar Fish**

*Rhombopterygia cappetta*

Late Cretaceous

Hgula, Byblos, Lebanon

An astonishing piece, the exceptionally large size, rarity and excellent preservation of this Lebanese fish makes it the find of a lifetime. Found only in Hgula, with no living relative, this 100-million-year-old guitarfish genus represents the rhombic-shaped disk family, only slightly broader than long, with a squat tail approximately as long as the disk. The present example represents a rarity among Middle Eastern fishes. From the private collection, *The Memory of Time*. Fitted with a metal cleat system for wall display.

Matrix measures 27 x 22 inches; Fish specimen measures 24.75 x 18 inches \$14,000 - 16,000



1051





1053



1052

1052

**Amphibian with fish**

*Amphibian: Sclerocephalus hauseri*

*Fish: Paramblypterus sp.*

*Permian*

*Odernheim Pfatz, Germany*

Rarely seen skin impressions are displayed in an early amphibian and two primitive fish specimens from a locality that has been closed to collectors since 1984. Skin impressions are rarely discovered, as they arise from soft tissue, which normally decays before fossilization can take place. The rare early amphibian in the present offering is over eleven inches long and is virtually complete, exhibiting a well defined 1.75-inch-wide, arrow-shaped skull. Its lower jaw is replete with tiny, sharp teeth. Marvelous detailed light and dark brown patterned skin impressions are visible along the entire body. The primitive fish is 8.5 inches long and preserved with a heterocercal fin that is somewhat shark-like. Detailed skin texture is detectable in both of these impressive fossil fish. This plate of multiple rare species preserved together from a closed locality represents an astonishing find.

Measures 20 1/2 in. x 15 in.

**\$3,500 - 4,500**

1053

**Fossil Shark with Exceptional Preservation of Skin and Skeleton**

*Orthacanthus senckenbergianus*

*Early Permian*

*Germany*

Only very rarely is skeletal tissue seen preserved in prehistoric sharks, let alone skin tissue. Shark skeletons are composed of cartilage, which typically decays before it can fossilize. The present specimen exhibits amazing skin texture as well as stunning dimension to the skeleton. The rich black shale composing the matrix provides dramatic contrast to the ivory-toned fossil. One straight spine is seen, attached to the shoulder girdle. Over 245 million years old, the stunning specimen is exceptionally well articulated.

The terror of freshwater swamps in both Europe and North America until it became extinct 225 million years ago, *Orthacanthus* was long and streamlined, which gave it a snake-like swimming action. The powerful jaws of this member of the Xenacanthidae family were lined with double-fanged teeth. Sharks originated in the Devonian seas and continue to thrive to this day.

Fitted with a metal cleat system for wall display.

Matrix measures 81 x 40.5 inches; Specimen measures 80 inches

**\$65,000 - 85,000**



1054

1054

**Large Fossil Fish Mural**

*Diplomystus dentatus*, *Mioplosus labracoides*, *Cockerellites liops*,  
*Knightia eoceana*

*Eocene*

*Green River Formation, Wyoming*

A wonderful sampling of four fish species from the Green River Formation is seen in a mural suggesting a fossil aquarium. Framed in walnut and fitted with a metal cleat system for wall display.

Presentation measures 97.75 x 49.75 inches; Fish specimens measure 19 inches (2 *Diplomystus*), 15.5 inches (1 *Mioplosus*), 5 inches (1 *Priscacara*) and 4.75 inches (*Knightia*)

**\$12,000 - 15,000**

1055

**Fossil Fish Mural**

*Knightia eocaena*, *Diplomystus dentatus*

*Early Eocene, Fossil Butte Member*

*Green River Formation, Wyoming*

Featuring both *Knightia* and *Diplomystus* fossil fish in a mass mortality group, numerous specimens form an aesthetically pleasing natural composition. The quality and articulation of each fish is exceptional.

This mural represents one of the finest plates of fossil fish recovered from the layer known as the *gastropod layer*, a near shoreline sedimentation that rarely produces such fine specimens. Fitted with a metal cleat system for wall display.

Measures 80 x 36 in.

**\$6,000 - 7,500**



1055



1056



1057



1056

**Extremely Rare Garfish**

*Massilosteus janaea*

Eocene

Green River Formation, Lincoln County, Wyoming

One of approximately ten specimens of its kind, this offering is one of the most rare fish specimens to come from the Green River Formation. This peculiar garfish species exhibits extremely short, robust jaws fitted with crushing molariform teeth rather than the rows of pointed teeth typical of other gar species. It has been suggested that the species fed on shelled invertebrates. The beautifully preserved, characteristic cylindrical body is covered with the thick, shiny, diamond shaped scales for which gars are known. The largest modern alligator gars are known to grow up to nearly ten feet in length. This specimen, measuring almost 40 inches, has been framed in tropical walnut and fitted with a metal cleat for wall display.

Frame measures 54 in x 32 inches; Specimen measures 39 inches

**\$35,000 - 40,000**

1057

**A Rare Fossil Bowfin**

*Amia pattersoni*

Eocene

Green River Formation, Wyoming

Amia are considered exceedingly rare in the Green River Formation, which is known for its spectacularly well-preserved aquatic fossils. Two factors are credited for the superb level of preservation of fossils from this ancient lake system: 1) the anoxic (free of oxygen) environment of the bottom of the exceptionally deep lakes which allowed specimens to fossilize before decay set in, and 2) a cold period during the Eocene which allowed dead fish to sink faster due to a less inflated air bladder. *Amia pattersoni* was probably a voracious predator that fed mainly on other fishes. The present specimen represents one of the largest examples to have been discovered. It is articulated so well that even many of the fin tips are present. With its massive skull and fine preservation, this specimen would be an impressive addition to any collection.

Length of specimen measures 46 inches

**\$35,000 - 45,000**

1058

**Palm Flower**

*Sabalites sp.*

Eocene

Green River Formation, Wyoming

Considered very rare finds in the Green River Formation of Wyoming due to the fragility of the fine cellulose composition, palm flowers are coveted for their delicate beauty. Evoking the subtropical climate of the Eocene in what is now the high desert of Southwestern Wyoming, the present specimen is meticulously prepared to reveal the amazingly intricate details of the beautiful flower. Wonderful texture and color is seen, as well as a pleasing contrast between the matrix and the fossil. Framed in wood and fitted with a metal cleat for wall display.

Measures 76 in. length x 32 in width

**\$20,000 - 25,000**



1058



1059





1060

1059

**Exquisite Eocene Palm Frond**

*Sabalites sp.*

*Eocene*

*Green River Formation, Wyoming*

Perhaps the most alluring treasures of the famed Green River Formation, fossil palm fronds are considered rare finds. Highly coveted for their dramatic beauty, palm fronds generally fossilize poorly due to the delicate nature of cellulose, the material of which plants are formed; therefore, most are lost forever to decay.

Epitomizing the subtropical flora of the Eocene in Southwestern Wyoming 51 million years ago, Green River Formation palms recall a thriving prehistoric lake system which supported an abundance of fishes, crocodiles, turtles, birds and flora that would be well-suited to modern-day Florida. The present richly-toned specimen beautifully contrasts with the creamy limestone matrix, which measures eight feet in height. It is framed in tropical walnut and fitted with a metal cleat system for wall display.

Frame measures 96 x 60 inches; Specimen measures 49 x 27 inches

**\$45,000 - 60,000**

1060

**Palm Frond with Bird – A Singular 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 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 was inlaid in its place. Amazingly, most of the feathers of the bird are highly visible and display strong contrast to the matrix. The matrix has been framed in tropical walnut and is fitted with a metal cleat system for wall display. This piece represents a remarkable discovery.

The skull of the bird, found on the negative side of the palm half, has been preserved for scientific inquiry; a cast bird skull was inlaid in its place. Amazingly, most of the feathers of the bird are highly visible and display strong contrast to the matrix. The matrix has been framed in tropical walnut and is fitted with a metal cleat system for wall display. This piece represents a remarkable discovery.

Matrix measures 61 x 55 inches; Palm frond measures 63 x 50 inches; Bird measures 10 x 10.5 inches

**\$90,000 - 100,000**



1060 (detail)



1061

**The 200-Fish-Palm - A Magnificent Fossil Mural**

*Sabalites* sp., *Knightia eocaena*

Eocene

Green River Formation, Wyoming

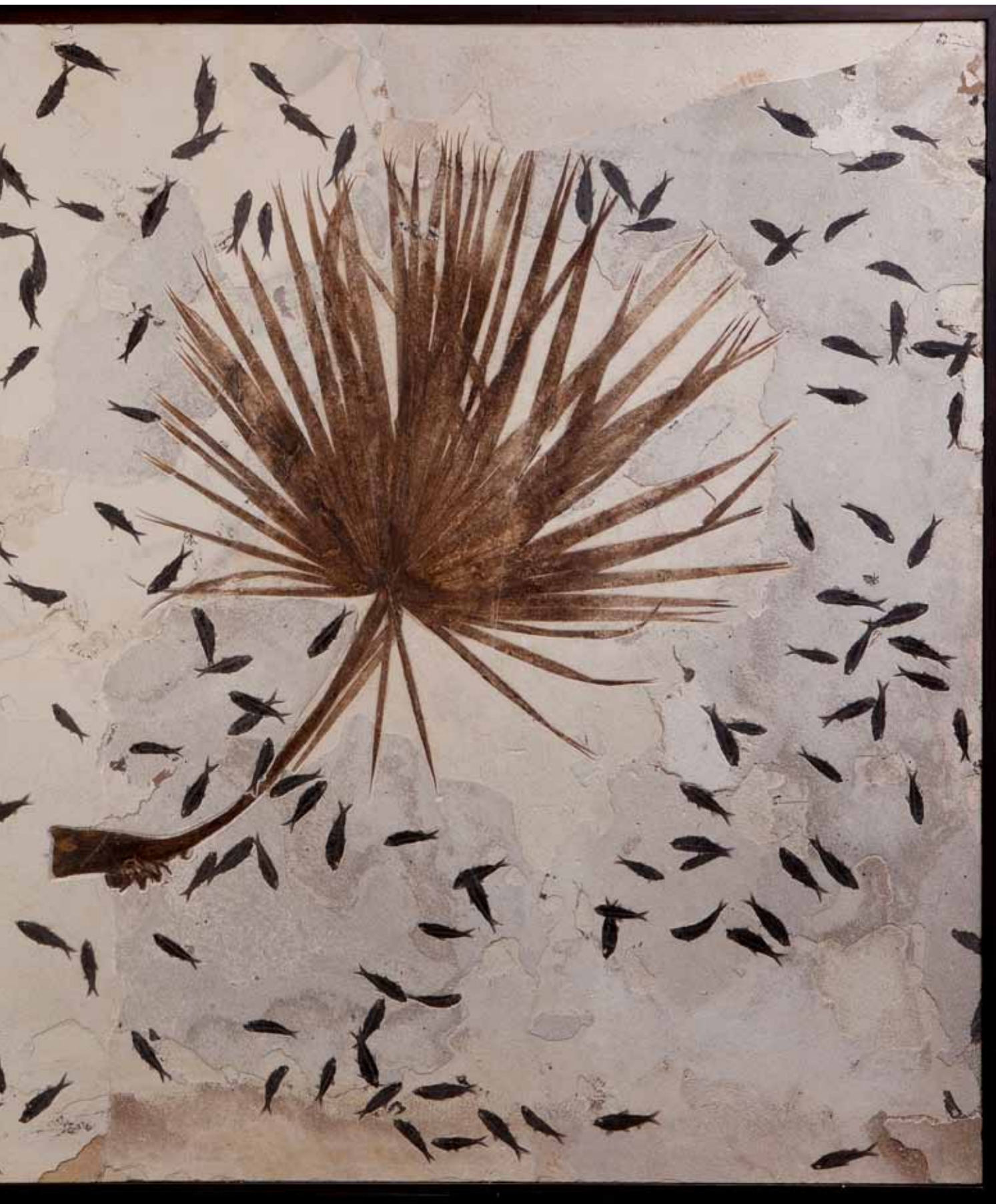
Arguably the most aesthetically appealing finds from the Green River Formation are its amazing palm fronds. Considered rare in this geologic formation due to the low probability of preservation of the delicate organic material, these marvelous fossil plants evoke the subtropical climate of North America during the Eocene. In the high desert of what is now known as Wyoming, an ancient lake system, surrounded by lush subtropical vegetation, teemed with fishes, turtles and crocodiles.

The present offering is a superlative palm frond specimen displaying the excellent preservation uncommon to most fossil localities. It is unusual to see a palm frond with a *mass mortality* of fossil fish on the same plate. Displaying over 200 *Knightia eocaena* specimens, indicating a *mass mortality* caused by sudden temperature inversion, landslide or other cataclysmic event, the natural composition of the mural is magnificent. The stone has been backed with wood, custom framed in walnut and fitted with a metal cleat system for wall display. Measures 101 ½ x 77 in.

**\$150,000 - 200,000**



1061







1062

1062

**Eocene Turtle with Fossil Fish**

*Trionyx* sp., *Diplomystus dentatus*

Eocene

*Green River Formation, Lincoln County, Wyoming*

Fossil turtle specimens from the Green River Formation are extremely rare. Very large, exceptionally well-preserved individuals such as the present example are almost never seen on the market and are highly coveted. The present specimen is from the stratigraphic layer known as the *F-1 Horizon*, or *18-inch layer*, of the Green River Formation. The ribs extending from the sides of the shell indicate that this is a soft shelled or *leather back* turtle. Preserved with the turtle is a *Diplomystus dentatus*. This *Trionyx* specimen lived 51 million years ago in an ancient subtropical environment similar to that of Southern Florida today. The genus lived through the Age of Dinosaurs, survived the K-T extinction and still exists today, though smaller in size than its Eocene ancestor. Modern trionychid turtles are found in Africa, Asia, Malaysia and North America.

Framed in walnut and fitted with a metal cleat for wall display.

Presentation measures 74 x 62 inches; Turtle specimen measures 40 inches; Length of fish specimen measures 17 inches

**\$180,000 - 220,000**



1063

**Superb Indiana Crinoid Plate**

*Platycrinites saffordi*, *Agaricocrinus americanus*,  
*Platycrinites brevinodus*, *Dizygocrinus mutabalis*,  
*Dichocrinus ficus*, *Histocrinus graphicus*,  
*Hypselocrinus hoveyi*,  
*Cyathocrinites jowensis*, *Hypselocrinus sp.*,  
*Unidentified starfish*  
Mississippian, Late Osagean  
Edwardsville Formation,  
Montgomery County, Indiana  
Providing a glimpse of the diversified fauna  
of the Mississippian seafloor, an aesthetically  
appealing plate displays a varied sampling of  
fossils from the famous 340-million-year-old  
marine sediments near Crawfordsville, Indiana.  
Exhibiting nine discrete species belonging  
to seven genera, the crinoids are beautifully  
preserved, showing fine detail in the stems  
and in the *feathers* of the arms. The amazing  
detail and dimension of this plate make it one  
of the finest from its locality that has ever been  
presented for sale. Professionally prepared by  
Tom Witherspoon, whose well-known work is  
seen in many of the museums of North America.  
Measures 28 in. x 22 in.  
**\$15,000 - 20,000**



1063

1064

**Rare Australian Crinoid Group**

*Jimbacrinus bostoki*  
Early Permian - Late Artinskian  
Cundlego Formation, Gascoyne Junction,  
Northwest Territories, Australia  
A wonderful multiple crinoid plate illustrating  
marine life in the Permian, this block of  
prehistoric sea floor displays numerous  
crinoids beautifully prepared in high relief. 260  
million years ago, these individuals anchored  
themselves to the sea bottom and used their  
arm-like tentacles to capture small prey. The  
robust specimens exhibit large cups with highly  
ornamented, spiky plates and long, stout  
uniserial arms. The beautiful natural composition  
from *down under* displays the red iron oxide  
coloration of the locality. It is one of the finest  
specimens to have been discovered in this  
unique locality. Its size, presentation and rarity  
distinguish this as an exceptional find.  
Measures 20 in. x 18 in.  
**\$30,000 - 40,000**



1064



1065

1065

**Spectacular Opalescent Ammonite in Matrix**

*Placenticerus meeki*

*Late Cretaceous*

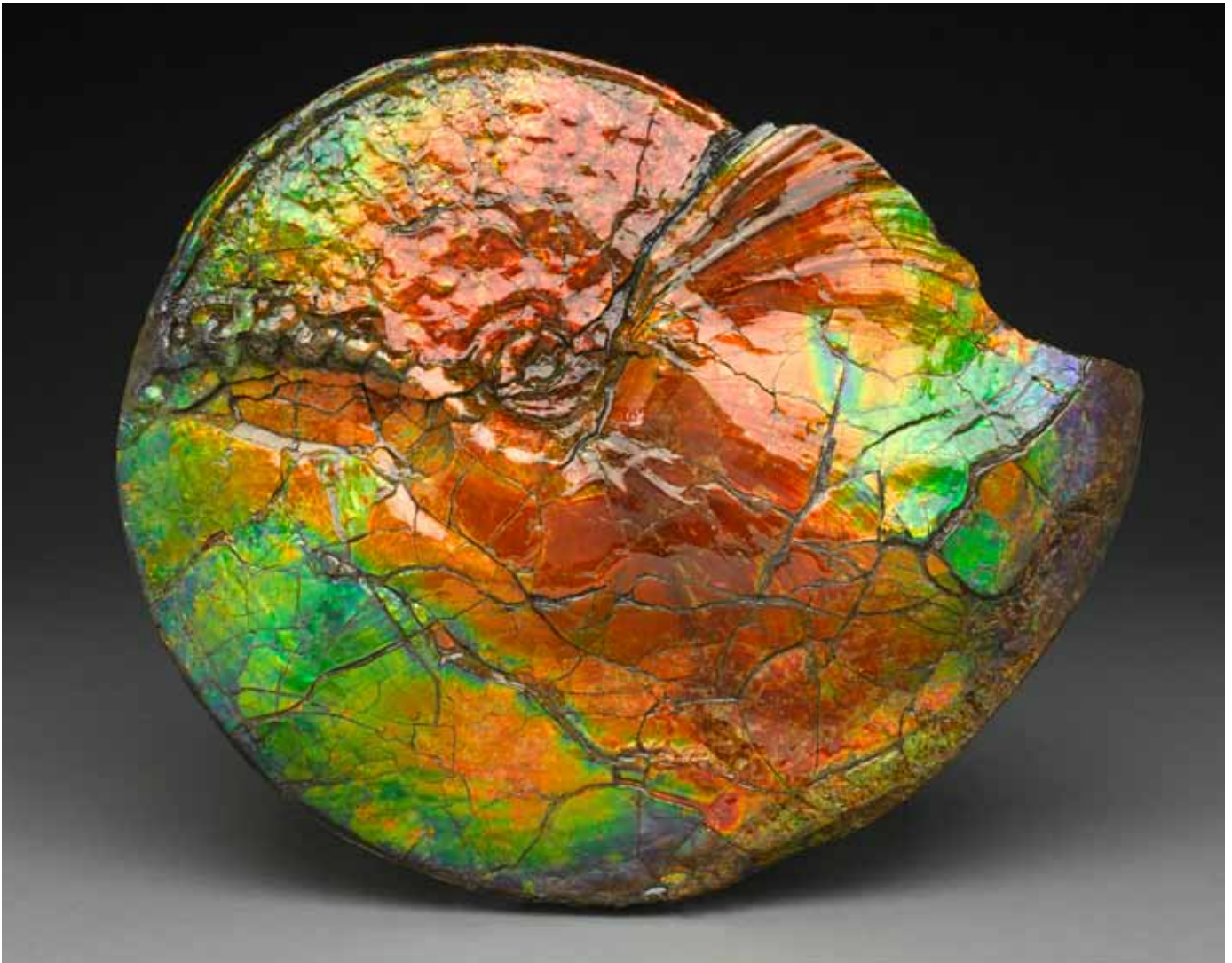
*Bearpaw Formation, Alberta, Canada*

Ancestor to the modern chambered nautilus, ammonites have existed for nearly 330 years, yet few fossil ammonites approach the beauty of specimens from this locality. Exhibiting the brilliant opalescence of the finest specimens from the Bearpaw Formation, the present well-formed example predominantly displays intense greens and yellows, with a luminous red coloration within the rich, dark matrix of this locality. Fitted with a metal cleat system for wall display.

Matrix measures 49 x 39in. Specimen measures 19in diameter

**\$40,000 - 50,000**





1066

1066

**Superb Canadian Ammonite**

*Placenticerus meeki*

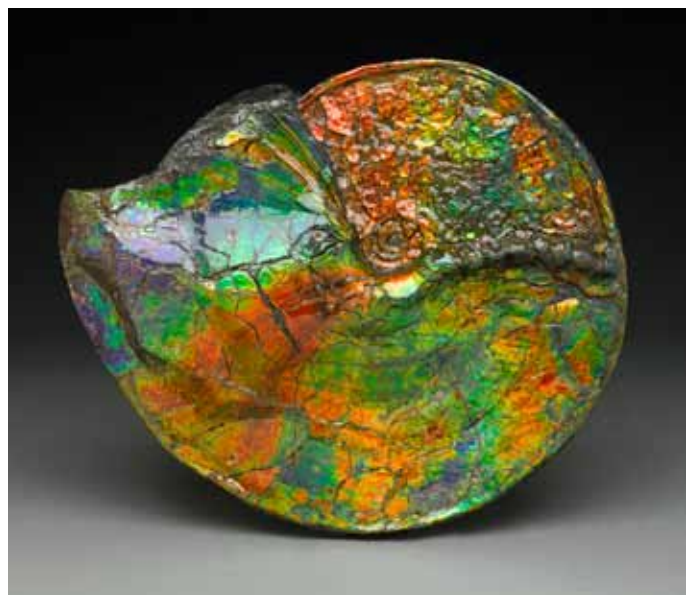
*Late Cretaceous*

*Bearpaw Formation, Alberta, Canada*

Ammonite fossils are found on every continent. Treasured for their appearance and form, some show intricate suture patterns, which are created by the complex walls dividing the inside of the shells. Those from Southern Alberta, however, display remarkably vibrant colors not seen in ammonites from other localities. Coveted by collectors the world over, their stunning palette is produced by light interference by the shell layers. The beauty of the present example belies its fierce predatory habit as a living squid-like creature, which flourished 71 million years ago during the Age of Dinosaurs. Displaying brilliant reds and greens, this example also exhibits some rare blue coloration. The colorful material seen in the Bearpaw ammonites represents one of only two fossils that are also classified as gemstones.

Measures 14 in. x 13 1/2 in

\$40,000 - 50,000



1066 (reverse)





1067

**1067**  
**Gigantic Ammonite Specimen**

*Eopachydiscus* sp.

*Cretaceous*

*Duck Creek Formation, Texas*

Measuring a monstrous five foot, six inches in diameter, this fully inflated ammonite from an extinct genus recently became available from the private collection of a Nobel Prize winner. The specimen boasts marvelous suture patterns on the top portion, representing the growth plates of the living animal as its shell increased in size during its lifetime. The definition of the inner coils is also striking. The prodigious size and the off-white coloration, resembling marble, evoke a piece of distinguished statuary. Yet this was a living creature, a massive predator of the Cretaceous seas. In life, a thin tube allowed the ammonite to empty water out of its shell chamber enabling it to rise or descend in the water column; it possessed a beak structure allowing it to effortlessly crush shellfish. Though aesthetically appealing in its present state, this animal would have been a formidable prehistoric carnivore in life. Collected in the 1960's, this specimen ranks among the top five largest known ammonites in the world. It is the largest successfully collected ammonite from North America. Offered on a custom designed metal and wooden base.

Measures 66 x 48 inches

**\$100,000 - 125,000**



1068

1068

**Modern Alligator Skeleton**

*Alligator mississippiensis*

Modern

United States

Raised in captivity at a reptile rescue center, Colorado Gators, this modern 9-foot-long alligator, named Ellie, was twenty-six years old at the time of her death. Bitten on the snout by another alligator, the damage is evident on the skull; the tooth from the second alligator was embedded in the underside of the maxilla. Although Ellie survived the initial bite, she died months later from respiratory complications. Numerous other pathologies are seen in this interesting specimen, which was beautifully mounted in a dynamic swimming pose by Todd L. Green, a researcher at Colorado State University. The offering includes a cargo case, a plaque with information about the individual animal, the scientific name and a list of bone pathologies.

Specimen measures 9 feet

**\$8,000 - 10,000**



1069

**1069**  
**Emu Skeleton on Nest with Chicks**

*Dromaius Novaehollandiae*  
Modern

An adult male emu *Dromaius novaehollandiae* skeleton assembled in a brooding position on a nest. Male emus exclusively incubate and raise offspring. The adult skeleton is positioned atop eight emu eggs, two of which have hatched to reveal two emu chick skeletons. The skeletons were prepared by Todd L. Green, a researcher at Colorado State University. Green has studied splayed-leg disorder in captive emus, which is the condition from which the present emu chicks suffered. The adult emu in the presentation was killed by a wild bobcat in the Rocky Mountains of Colorado. This is a wonderful representation of emu nesting behavior. The offering includes an informational plaque, the scientific name and a list of bone pathologies. The display stand may also be used as a cargo case.

Measures 60 x 48 x 28 inches

\$12,000 - 15,000





1070



1071

**1070**  
**Predecessor to the Dinosaurs – Mounted Primitive Reptile**

*Captorhinus magnus*  
 Permian  
 Arroyo Formation, Oklahoma

An early ancestor of synapsids and other reptiles, *Captorhinus magnus* is known as a stem reptile, as other reptiles and mammal-like reptiles branched off from it. Eventually, one of these branches evolved into the Archosaurs that survived the Permian extinction and gave rise to the dinosaurs much later. The present impressive mounted specimen is a composite of various individuals, as are all mounted *Captorhinus magnus* skeletons; its locality of origin represents a natural prehistoric catastrophe that killed hundreds of these reptiles at one time. The bones have been expertly cleaned, matched and assembled to yield a beautifully lifelike presentation. The skull has been prepared in an attack position to display the needle-sharp teeth. The ribs have been attached to the matrix, adding stability to the very delicate bones while maintaining the impression that the strange reptile is crawling over the matrix. Paleontologists have theorized that the mysterious small round hole in the center of the skull of this species may have allowed sunlight to enter the skull to the pineal gland. Length measures 17 inches; Skull measures 3.5 x 2.5 inches  
**\$3,500 - 5,500**

**1071**  
**A Complete Pteranodon Wing**

*Pteranodon longiceps*  
 Late Cretaceous  
 Niobrara Formation, Kansas

Named by the famous paleontologist O. Marsh in 1876, *Pteranodon* was not a dinosaur, as is often thought. These flying reptiles were toothless hunters that snatched fish from the prehistoric seas. The structure of *Pteranodon's* wing was formed by a thin, tough membrane stretched between its body, the top of its legs and its elongated fourth fingers. Offered is a *Pteranodon* wing embedded in faux matrix, framed for display (the chalky stone of the Niobrara Formation is too crumbly to support fossil bones.) The wing is approximately 98% original and measures over 70 inches in length.  
 Measures 71.5 x 13.5 x 3 inches  
**\$5,000 - 7,000**

**End of Sale**

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### REPRESENTATIVES

#### Arizona

Terri Adrian-Hardy, Tel: +1 (480) 994 5362

#### California - Central Valley

David Daniel, Tel: +1 (916) 364 1645

#### Southern California

Christine Eisenberg, Tel: +1 (949) 646 6560

#### Colorado - Denver

Julie Segraves, Tel: +1 (720) 355 3737

#### District of Columbia/Mid-Atlantic

Martin Gammon, Tel: +1 (202) 333 1696

#### Florida

Jon King

Tel: +1 (561) 651 7876, Palm Beach  
+1 (305) 228 6600, Miami  
+1 (954) 566 1630, Ft. Lauderdale

#### Georgia

Mary Moore Bethea, Tel: +1 (404) 842 1500

#### Illinois

Ricki Harris

Tel: +1 (312) 475 3922, +1 (773) 267 3300

#### Massachusetts/Boston/New England

Amy Corcoran, Tel: +1 (617) 742 0909

#### Nevada

David Daniel, Tel: +1 (775) 831 0330

#### New Jersey & Delaware

Margaret Tierney, Tel: +1 (610) 644-1199

#### New Mexico

Leslie Trilling, Tel: +1 (505) 820 0701

#### Oregon

Sheryl Acheson, Tel: +1 (503) 312 6023

#### Pennsylvania

Margaret Tierney, Tel: +1 (610) 644 1199

#### Texas

Amy Lawch, Tel: +1 (713) 621 5988

#### Washington

Heather O'Mahony, Tel: +1 (206) 218 5011

#### Canada

##### Toronto, Ontario

Jack Kerr-Wilson, Tel: +1 (416) 462 9004

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(Attendee / Absentee / Online / Telephone Bidding)

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## African, Oceanic & Pre-Columbian Art

November 2013, New York



+1 323 436 5416  
fred.backlar@bonhams.com

Fish-shaped pectoral,  
Easter Island  
*rei miro*  
wood, obsidian and bone  
width 10 1/8in (25.7cm)



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Audemars Piguet. A rare and very fine 18K gold  
chronograph wristwatch, No. 45598, 1940's  
\$30,000 - 50,000







EB 1793

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