

UNIVERSITY OF COLORADO MUSEUM OF NATURAL HISTORY
Vertebrate Collections
UCB 265, Bruce Curtis Building
Boulder, Co 80309-0265

LOAN INVOICE

Loan: V-157

SPECIMEN LIST ENCLOSED

Loan Type: in house

Date: 25 April 2018

Loan Period: until 19 February 2018

Approved By: Emily Braker

This loan document acknowledges the loan of specimens to:

Charles Counter, Exhibits Coordinator
University of Colorado Museum of Natural History
UCB 218, Exhibits
Boulder, CO 80309

Nature of Material: 6 bats from the Mammal Research Collection and 1 mounted specimen (UCM 521/M-211 Eptesicus fuscus) from the Public Education and Exhibition Collection.

Purpose: CUMNH Exhibit: Learning From Bats. Exhibition to run from ~June 2018 - February 15, 2019 in the Biolounge (Henderson Bldng).

Instructions: Display all specimens in a locked, secure case with UV-filtered, low light levels. Please do not remove specimen tags. Specimens are known to be arsenic-contaminated and can pose a health hazard; wear gloves when handling. Note: Exhibit may travel to Altec building on CU campus following initial display, but loan must be renewed and specimens swapped out due to damaging cumulative light effects.

Outgoing condition: _____ By: _____

Incoming condition: _____ By: _____

UPON RECEIPT, SIGN AGREEMENT ON REVERSE SIDE AND RETURN ONE COPY (by mail or email) TO:

Emily Braker
University of Colorado Museum of Natural History, Vertebrate Collections
265 UCB, Bruce Curtis Building
Boulder, CO 80309-0265
Email: emily.braker@colorado.edu
303-492-8446

UCM VERTEBRATE COLLECTIONS LOAN AGREEMENT

General Conditions

1. Specimens are loaned to institutions for use by the investigator listed on the loan invoice. In the case of students, material is loaned to the affiliated faculty research advisor. Ultimate responsibility of the specimens is assumed by the institution to which the specimens are loaned.
2. Specimens are loaned for a period of six (6) months unless otherwise noted on the loan invoice. If extensions to the initial loan period are requested, they must be formally reviewed by Vertebrate Collections staff. UCM reserves the right to terminate the loan at any time before its expiration with reasonable notice to the borrower.
3. No specimens may be exchanged, loaned, or transferred to a third party or cataloged into any collection without the express written permission of UCM. Permission should be requested to convey specimens from one institution to another in the case of a researcher's relocation.

Storage and Handling

4. Specimens are to be stored securely, in pest-proof cases in a climate-controlled facility when not in use/on display.
5. All specimens placed on public exhibit must be in locked or otherwise secure cases with limited UV light exposure.
6. Fluid-preserved specimens are to be maintained in 70-75% ethanol unless otherwise noted on the loan invoice. During examination, specimens should be kept moist in ethanol and never transferred to water, not even briefly.
7. No specimens should be subjected to any mechanical or chemical treatments without prior approval from UCM.
8. Labels, tags, or numbers should never be removed from specimens.

Destructive Sampling

9. No destructive sampling (clearing and staining, dissection, incision or removal of structures, DNA or isotope analysis, SEM work, microscope slide preparations, etc.) may be undertaken without express written permission from UCM. A request outlining the study, proposed methods, familiarity with destructive techniques, scientific merit of the proposed study, justification as to the need of the particular specimens, and summary of specimens requested from other institutions must be submitted to UCM for review prior to loan approval (see destructive sampling policy [link]).
10. When permission to determine sex has been granted for fluid-preserved specimens, incisions must be kept as small as possible and avoid cutting skeletal elements and viscera.
11. A detailed report tag, written in pencil on alcohol resistant paper, should accompany all specimens that have had destructive sampling performed and should include the investigator's name and date.
12. All dissected materials must be returned to UCM and should be associated with the individual specimen from which they were removed, including stomach contents. Materials returned in vials should be labeled with UCM catalog number, determination, and identification of contents.
13. Specimens that are to be cleared and stained should have the following additional data recorded by the preparator: snout-vent length, body and tail length, sex and reproductive condition (if possible). Additionally, the skin and viscera are to be returned, properly labeled with the name and UCM catalog number of the associated specimen.
14. All tissue and hair samples not completely consumed or destroyed by the borrower remain the property of UCM and must be returned to the Zoology Section in due course.

Packaging and Shipping

15. Specimens are to be returned to UCM via an authorized carrier with package tracking capabilities (couriers such as UPS, FedEx, or DHL, FedEx, **not** USPS).
16. All specimens should be returned using the same or similar packing container and materials. Appropriate Dangerous Goods packing and shipping regulations must be followed for fluid-preserved specimens and frozen tissues.

Credit and Reproduction

17. Loaned material should be acknowledged by UCM catalog number in subsequent publications, reports, presentations, or GenBank submissions. Copies of all publications resulting from specimens examined are to be provided to UCM.
18. The borrower will not reproduce loaned materials in any media without first requesting permission and signing a **UCM Image Reproduction Policy** agreement. For proposed commercial endeavors, a fee will be assessed.
19. The borrower assumes full legal responsibility for any infringement on literary, copyright, or publication rights.

By signing this form, you agree to the terms above, and will use the loaned materials only for the purpose outlined in your original proposal. Written permission must be obtained for any use outside of the scope of your original proposal.

UCM expects borrowers to treat loaned specimens with the highest standards of care. Thank you in advance for your cooperation.

Borrower Signature Date: _____

UCM Collections Manager Date: _____

Catalog #	Scientific Name	Sex	Locality	Collector(s)	Collect Date	Item
UCM 11049	<i>Desmodus rotundus rotundus</i>	female	West Indies, Trinidad and Tobago, Lesser Antilles, Trinidad. Old Spaniard	McCravy, Dyer	27 September 1956	skin, study
UCM 11049	<i>Desmodus rotundus rotundus</i>	female	West Indies, Trinidad and Tobago, Lesser Antilles, Trinidad. Old Spaniard	McCravy, Dyer	27 September 1956	skull
UCM 11432	<i>Perimyotis subflavus subflavus</i>	male	North America, United States, Oklahoma, Adair County. cave 5 miles S of Kansas (town) in Delaware Co., OK	C. J. McCoy	28 December 1960	skin, study
UCM 15871	<i>Myotis evotis</i>	male	North America, United States, Colorado, Rio Blanco County. Meeker, 6 mi SW of Meeker	J. Freeman	17 August 1978	skin, study
UCM 5959	<i>Corynorhinus townsendii pallescens</i>	male	North America, United States, Colorado, Pueblo County. Beulah	D. A. Sutton	29 November 1953	skin, study
UCM 6239	<i>Lasiurus cinereus</i>	female	North America, United States, Colorado, Boulder County. Boulder Reservoir, 7 miles NE of Boulder	J. Messick	13 October 1957	skin, study