The University of Nevada, Reno will host the first Great Basin Biological Research Conference 14–16 October 1999. The conference will feature contributed presentations and posters, keynote speakers, and roundtable discussions related to the biological study and management of the Great Basin and eastern Sierra Nevada ecoregions. Also, several field trips have been planned.

This conference will provide an exciting opportunity to present and discuss biological research in a regional context and to share ideas with other professionals working throughout the Great Basin and adjacent biomes. As a biogeographical region, this area possesses a varied and unique biotic landscape that presents many management challenges and that has been used as a model system for investigating numerous ecological phenomena.

Authors are invited to submit posters and presentations involving biological research on the Great Basin or eastern Sierra Nevada mountains. Topics for paper sessions include, but are not limited to, physiology, evolutionary biology, population and community ecology, conservation biology, biogeography, biology and management of riparian areas, cellular and molecular biology, behavior, genetics, management of Nevada’s biotic resources, and paleobiology.

- **Papers** will be allotted 12 minutes each, with an additional 3 minutes for questions (15 minutes total).
- **Posters** (5’x6’ max. size) allow authors to engage in more detailed and personal communication with attendees.
- **Abstracts** must be less than 250 words and submitted by 18 June 1999 electronically via the Conference website (see below).

Registration is via the conference website: www.brcc.edu/gbbrc.com. Early registration deadline is 16 July 1999, $40 for students, $60 for non-students (late registration $55 and $75, respectively).
INFORMATION FOR AUTHORS

The Great Basin Naturalist welcomes previously unpublished manuscripts pertaining to the biological natural history of western North America. Preference will be given to concise manuscripts of up to 12,000 words. Simple species lists are discouraged.

SUBMIT MANUSCRIPTS to Richard W. Baumann, Editor, Great Basin Naturalist, 290 MLBM, PO Box 20200, Brigham Young University, Provo, UT 84602-0200. An accompanying cover letter must include phone number(s) of the author submitting the manuscript, and FAX number and E-mail address when applicable; the letter must also provide information describing the extent to which data, text, or illustrations have been used in other papers or books that are published, in press, submitted, or soon to be submitted elsewhere. Authors should adhere to the following guidelines; manuscripts not so prepared may be returned for revision.

MANUSCRIPT PREPARATION. In general, the Great Basin Naturalist follows recommendations in Scientific Style and Format: The CBE Manual for Authors, Editors, and Publishers, 6th edition (Cambridge University Press, 110 Midland Avenue, Port Chester, NY 10573, USA: TOLL-FREE PHONE 1-800-872-7423). We do, however, differ in our treatment of entries in Literature Cited. Authors may consult the most recent issue of the Great Basin Naturalist for formatting guidelines.

TYPE AND DOUBLE SPACE all materials, including literature cited, table headings, and figure legends. Avoid hyphenated words at the right-hand margins. Use WordPerfect’s italics feature for words to be printed in italics. Use standard bond (22 x 28 cm), leaving 2.5-cm margins on all sides.

SUBMIT 3 COPIES of the manuscript (5 copies of fish manuscripts) and the original on a 3.5-inch disk utilizing WordPerfect 5.1 or above. Number all pages and assemble each copy separately: title page, abstract and key words, text, acknowledgments, literature cited, appendices, tables, figure legends, figures.

TITLE PAGE includes an informative title no longer than 15 words, names and addresses of authors, a running head of fewer than 40 letters and spaces, footnotes to indicate change of address and author to whom correspondence should be addressed if other than the first author.

ABSTRACT states the purpose, methods, results, and conclusions of the research. It is followed by 6–12 key words, listed in order of decreasing importance, to be used for indexing.

TEXT has centered main headings printed in all capital letters; second-level headings are centered in upper- and lowercase letters; third-level headings begin paragraphs.

VOUCHER SPECIMENS. Authors are encouraged to designate, properly prepare, label, and deposit high-quality voucher specimens and cultures documenting their research in an established permanent collection, and to cite the repository in publication.

REFERENCES IN THE TEXT are cited by author and date: e.g., Martin (1989) or (Martin 1989). Multiple citations should be separated by commas and listed in chronological order. Use "et al." after name of first author for citations having more than two authors.

ACKNOWLEDGMENTS, under a centered main heading, include special publication numbers when appropriate.

LITERATURE CITED, also under a centered main heading, lists references alphabetically in the following formats:


TABLES are double spaced on separate sheets and designed to fit the width of either a single column (6.7 cm) or a page (14.0 cm). Use lowercase letters to indicate footnotes.

PHOTOCOPIES OF FIGURES are submitted initially with the manuscript; editors may suggest changes. Lettering on figures should be large enough to withstand reduction to one- or two-column width. Originals must be no larger than 22 x 28 cm.

NOTES. If the manuscript would be more appropriate as a short communication or note, follow the above instructions but do not include an abstract.

A CHARGE of $50 per page is made for articles published; the rate for individual subscribers will be $35 per page. However, manuscripts with complex tables and/or numerous photographs may be assessed an additional charge. Reprints may be purchased at the time of publication (an order form is sent with the proofs).

FINAL CHECK:

- Cover letter explaining any duplication of information and providing phone number(s), FAX number, and E-mail address
- 3 copies of the manuscript (5 copies of fish papers) and WordPerfect diskette
- Conformity with instructions
- Photocopies of illustrations
CONTENTS

Articles
Reproductive ecology of bison on Antelope Island, Utah ........ Michael L. Wolfe, Milan P. Shipka, and John E. Kimball 105
Remarkable waxing, waning, and wandering of populations of *Mimulus guttatus*: an unexpected example of global warming ............ Robert K. Vickery, Jr. 112
Biogeography and physiological adaptations of the brine fly genus *Ephydra* (Diptera: Ephydridae) in saline waters of the Great Basin .... David B. Herbst 127
Stream temperatures and elevational distribution of redband trout in southwestern Idaho .................................................. Bruce W. Zoellick 136
Effect of salinity on seed germination of *Triglochin maritima* under various temperature regimes ................................. M. Ajmal Khan and Irwin A. Ungar 144
An Irvingtonian species of *Brachylagus* (Mammalia: Lagomorpha) from Porcupine Cave, Park County, Colorado ................ Colleen N. Ramos 151
A new species and new synonym in the genus *Psychoronia* (Limnephilidae), with significant records for caddisflies (Trichoptera) from western North America .......................................................... David E. Ruiter 160
Emergence patterns of large stoneflies (Plecoptera: *Pteronarcys, Calineuria, Hesperoperla*) in a Montana river ............... Andrew L. Sheldon 169
Competition and niche partitioning among *Pseudoroegneria spicata, Hedysarum boreale, and Centaurea maculosa* ........ James S. Jacobs and Roger L. Sheley 175
A new species of *Plectia* from the Green River Formation and new combinations of fossil Bibionidae (Diptera) .................... Scott J. Fitzgerald 182
Assortative mating in soldier beetles (Cantharidae, *Chaupiognathus*): test of the mate-choice hypothesis .................. Ruth Bernstein and Stephen Bernstein 188

Notes
Body size dynamics of cougars (*Felis concolor*) in Oregon ......................................................... Stephan G. Kohlmann and Richard L. Green 193
Helminths of the lowland burrowing treefrog, *Ptyernohyla fodiens* (Hylidae), from southern Arizona ................ Stephen R. Goldberg, Charles R. Bursey, and Guillermo Galindo 195

Obituary
C[harles] Lynn Hayward .................... Herbert H. Frost and Wilmer W. Tanner 201