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## CONTRIBUTION TO A BIBLIOGRAPHY OF RECENT TEXAS MAMMALS, 1971-1980

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Raun (Bull. Texas Mem. Mus., 3:xi+1-81, 1962) published a useful bibliography of the literature relating to mammals in Texas. His citations were more or less complete through 1959, and also included a few publications issued early in 1960. Subsequently, Jones and Homan (Occas. Papers Mus., Texas Tech Univ., 41:1-21, 1976) produced a bibliography covering the years 1961 through 1970; additionally, they recorded titles that appeared in 1960 but that were not listed by Raun, and a few published earlier that were overlooked by him. The current bibliography includes those works that were published in the years 1971 through 1980, and thus provides, with the two papers cited above, an index to the literature on mammalogy of a large and biologically important state through the close of the last decade.

In preparing a bibliography of this sort, certain decisions must be made *a priori* as to what kinds of material will and will not be included. As a general rule, we did not include processed literature (that is, literature produced by mimeograph, multilith, or similar processes) unless we felt the contribution to be of a level of significance that interested mammalogists should be aware of it. All citations to such works are labeled as "processed." Secondly, we did not include material actually published after the end of 1980 (if we could establish that fact) even if it appeared in a volume labeled as "1980" or earlier. And thirdly, we did not canvass nontechnical sources except the serial publication Texas Parks and

Wildlife, from which the more important articles on mammals were admitted to our list.

Other organizational features of import are: 1) publications listed, excepting some included in the section entitled General References, are only those in which there is a clear reference to Texas (although we did cite numbers of Mammalian Species, published by the American Society of Mammalogists and intended as concise summaries of the biology of individual species of mammals, that pertain to taxa occurring in Texas); 2) citations to the serial literature include only volume number and pagination unless individual numbers of volumes were separately paged; 3) references dealing with fossil mammals are excluded unless Recent material also was recorded or used in comparisons with fossil specimens; 4) citations ordinarily appear exactly as published (with the exception that only proper nouns are capitalized), but an occasional punctuation mark has been added or other minor change made in the interest of clarity or proper English usage.

As in the earlier bibliography by Jones and Homan (*op. cit.*), this one is organized in 12 sections: one including general references; one encompassing faunal studies and related works; eight sections headed by a mammalian ordinal name (the two orders of cetaceans being grouped together); one on parasites and diseases; and a terminal section for miscellaneous contributions in which Texas mammals are mentioned. Because the bibliography is relatively short, we have not attempted to cross-list references, but have entered them in what we considered to be the section most appropriate to the subject matter. For example, a paper involving distributional notes on two or more species belonging to different orders has been treated as a "regional list," whereas a similar one involving comments on several species of Rodentia will appear in the section having that ordinal heading. A publication on ectoparasites of white-tailed deer will be found in the section dealing with parasites and diseases, not included under Artiodactyla. Virtually all titles have been checked personally by one or more of the authors; the few not seen were taken from citations found in others works. Despite all efforts, some publications that might have been included possibly have been overlooked.

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## CLADISTICAL ANALYSIS OF CHROMOSOMAL EVOLUTION WITHIN THE GENUS *NEOTOMA*

B. F. KOOP, R. J. BAKER, AND J. T. MASCARELLO

In this paper we present a cladistical analysis of 10 species of *Neotoma* in order to: 1) determine if chromosomal data can provide an hypothesis of phylogenetic relationships within the genus; 2) determine how chromosomal events are distributed among the species; and 3) compare chromosomal evolution as seen in *Neotoma* with that observed in other genera within the Cricetidae (Robbins and Baker, 1981; Baker and Barnett, 1981; Baker *et al.*, 1983). The extensive work of Mascarello and several coauthors (Baker and Mascarello, 1969; Baker *et al.*, 1970; Mascarello *et al.*, 1974 *a*, 1974 *b*; Mascarello and Warner, 1974; Mascarello and Hsu, 1976; Mascarello, 1978) with *Neotoma* chromosomes provides basic karyotypic data that includes C and G-bands for *N. micropus*, *N. albigula*, *N. phenax*, *N. stephensi*, *N. lepida*, *N. devia*, *N. fuscipes*, and *N. cinereus*, as well as side-by-side comparisons between *N. micropus* and these seven other species of *Neotoma*. Additionally, we present G and C-band data for *N. mexicana* and *N. floridana*.

Based on shared sequences with *Peromyscus crinitus*, *N. micropus* was thought by Mascarello *et al.* (1974*a*) to have maintained most of the primitive G-band sequences for the genus *Neotoma*. Subsequent studies using outgroup methods substantiate that *Neotoma micropus* does have the probable primitive G-band karyotype for the genus *Neotoma* and that most of these G-band sequences may also be primitive for the family Cricetidae (Koop *et al.*, 1985; Haiduk *et al.*, personal communication). Therefore, starting with the proposed primitive G and C-band sequence for

