The Gustav Mayr collection is in the Ernst-Moritz-Arndt-Universität (EMAU) in Greifswald and the Naturhistorisches Museum Wien (NHMW) in Vienna; the Erich Wasmann collection is deposited in the Natural History Museum (NHME) in Maastricht and the Massimiliano Spinola collection in the Museo Regionale di Scienze Naturali (MRSN) in Turin. The William Nylander collection is deposited in the Zoologiska Muset, Universitets Helsinki (UZMH) in Helsinki. For Italian collections, readers are referred to the complete list of entomological collections and authors published by Poggi and Conci (1996).

The George Arnold and Andre J. Prins collections are deposited in the South African Museum (SAMC).

In North America the most important collections besides the MCZC are those at the Los Angeles County Museum of Natural History (LACM), with the collections of Arthur C. Cole Jr., Thomas Wrentmore Cook, and William S. Creighton; the North Dakota and Nevada collections of George C. and Jeanette Wheeler; Daniel Janzen's collection of Central American Acacia-inhabiting ants; and many thousands of samples collected and studied by Roy R. Snelling; the USNM, holding parts of the Julian F. Watkins II army ants and portions of the Mann and Smith collections; and the AMNH, holding most of the Theodore C. Schneirla Panamanian Ecitoninae documents. Several smaller collections are also important, in particular the Robert Gregg collection, deposited in the Field Museum of Natural History (FMNH) in Chicago, which also houses some 14,000 samples of ants recovered by Berlese extraction of leaf litter. Gregg based his book Ants of Colorado on a collection now deposited in the University of Colorado Museum (UCMC) in Boulder. The Orma J. Smith Museum of Natural History, Albertson College of Idaho (CIDA) in Caldwell includes a part of the Watkins army ants, with field notes and a worldwide reference collection of ants, and it will eventually receive the P. E. Blom and William H. Clark personal collections and libraries. The Illinois Natural History Survey Insect Collection (INHS) has 20 drawers of pinned material and a full cabinet of ants in alcohol, mostly from the American Midwest.

In South America, Argentina and Brazil have the best ant collections. The Thomas Borgmeier, Walter Kempf, Karol Lenko, and Hermann von Jhering collections are all deposited in the MZSP in São Paulo, along with more recent collections by C. R. F. Brandão and collaborators. The Cincinnato R. Gonçalves collection has been divided between the Museu Nacional, Quinta da Boa Vista (QBUM) and the Instituto de Biologia, Universidade Rural Federal do Rio de Janeiro (IBUS), both in Rio de Janeiro. The collection at the Centro de Pesquisas do Cacau (CPDC), although quite new, is expanding rapidly, holding mostly material from the Atlantic forest in eastern Brazil. The Niko Kusnezov collection, mainly from Argentina, is deposited in IMLA in Tucumán, Argentina, whereas the Carlos Bruch and Angel Gallardo collections are in the Museo Argentino de Ciencias Naturales (MACN) in Buenos Aires (duplicates in the Museu de de la Plata, Universidad Nacional de la Plata [MLPA]). Cuba's Instituto de Zoologia, Academia de Ciencias de Cuba (IZAC) collection in Havana has the Pastor Alayo and Juan Gundlach material.

Asian and African material is mostly deposited in European and North American museums, especially in the MCZC and BMNH. Other important sources are the Musée Royal de l'Afrique Centrale (MRAC) in Tervuren, the NHME in Maastricht (the Jozef K. A. Van Boven and Erich Wasmann collections of ants and ant guests from all over the world), and the smaller collections listed subsequently.

Australian ants are deposited in several collections, but most species can be found in the Australian National Insect Collection (ANIC) in Canberra City.