

for the sake of comparison, to follow it with a consideration of the other forms of mixed and compound nests that are known to occur on our continent. While it thus becomes necessary to review much that is well known to the myrmecologist, I hope at the same time to call the attention of entomologists, who may have wearied of collecting and mounting our comparatively well-known beetles and butterflies, to an extensive subject, which is as interesting to the collector as it is fascinating to the philosophical observer. Ants' nests of the mixed and compound varieties are of sporadic and often very rare occurrence, so that there is great need of many more observations extending over large portions of our country. While reviewing the various forms of nests in the second part of my paper, I shall include a brief consideration of some interesting compound nests that have recently come under my observation in Texas and Mexico.

During the late afternoon of August 1, 1900, while walking over one of the Litchfield Hills near Colebrook, Connecticut, I found a number of nests of the common red-brown *Myrmica* (*M. brevinodis* Emery) under some small stones that were rather deeply imbedded in the moss bordering the exposed glaciated rock of the hilltop. In four of these nests which were rather close together and not very populous I detected among the *Myrmica* workers a few decidedly smaller and more yellowish ants of a different species running about on the up-turned lower surface of the stones. As my stay in Colebrook was at that time limited to a few days, I carefully replaced the stones in the moss after preserving a few of each of the two species. The smaller ants were sent to Professor Emery of Bologna, who pronounced them to be a new species of *Leptothorax* allied to *L. canadensis* Provencher.

Later in the month of August I returned to Colebrook and at once revisited the *Myrmica*-*Leptothorax* nests. Two of them had disappeared, as if in resentment of my former intrusion into their peaceful life on the hilltop. The third nest contained only a few *Leptothorax* workers. The fourth nest was in good condition and was dug up *in toto* and carried home in a canvas bag. For several days I searched diligently, but in vain, on all the hills about Colebrook for more of these double nests,