

at a colony 286 feet away. The nearest colony nested only 15 feet from the *Polyergus* nest. During June the ants tended to raid nearby colonies; 20 raids averaged 56 feet per raid with a range of from 15 to 128 feet. By July they had to go farther afield to find new colonies. Eighteen raids averaged 103 feet and ranged from 18 to 286 feet. In August some raids were to distant colonies, and some were reraids of those nearby. Fourteen raids averaged 72 feet, ranging from 17 to 213 feet. The 2 September raids were short—27 and 43 feet.

NUMBER OF COLONIES RAIDED

During both 1964 and 1965 a numbered stake was placed at each raided colony. In 1964, 17 different colonies were raided in the 23 successful raids seen. In 1965, in the 29 successful raids observed, 20 different colonies were visited. In 1965, the ants found only 2 colonies where they had been the year before; but they located 5 others 3 to 9 feet from a 1964 stake. This would seem to indicate an unusual amount of moving on the part of *F. p. nitidiventris* colonies, a behavior pattern which was probably instigated by the raids. This moving perhaps accounts for the fact that some unsuccessful raids were to what seemed to be obvious nest sites which had been recently deserted.

Reraiding of colonies was common practice. One colony only 24 feet away was known to have been raided on July 22, August 26, and September 3 of 1964 and again on June 20 (2 raids) and June 25 of 1965. During 1964, one colony was known to have been raided 4 times, one 3 times, and one twice. During 1965, 5 colonies were robbed twice and one 3 times. It would seem that, within a raiding season, most of the colonies would be visited more than once. The total number of colonies available may not have been more than about 25. This multiple raiding probably kept the colonies so depleted that they could not gather numbers enough to produce winged forms. Since *Polyergus* colonies tend to stay in one place for a number of years, they probably do not completely destroy *F. p. nitidiventris* colonies; but they may gradually diminish them to the extent that the *Polergus* colony cannot make a living and must move.

RAIDS WHICH ENDED IN FAILURE

Occasionally a raiding group, typical in all respects, failed to find a colony. This seemed to be the result of misinformation on the part of a scout, because the raiding forces were as large as usual and the spots they stopped at were just as definite. The usual routine was