

made during a summer so if a colony were lost track of and another discovered later, it could not be determined whether this was the original colony or a new one. However, there is good evidence from several years' observations that there are at least four large active *sanguinea* colonies on the island. There may be several more.

#### RAIDING ACTIVITIES

Raiding activities have been noted during the summers of 1930, '31, '33, '34, '35, '36 and '37, and in 1939 the information so gathered was rounded out by detailed study from the beginning of the raiding season until the end of August. Three large colonies were located for the observations. These, because of their locations, were named the Walk Nest, the Dock Nest and the North Nest. Daily observations were made on all three. However, the data gathered are almost entirely from the Walk and the Dock Nests since the North colony moved to an unknown location near the beginning of the raiding season and at the end of August had not returned. The nest was not entirely abandoned, for some blacks and a very few reds remained behind, keeping some entrance open.

*Records from Previous Years.*—It is known that the Dock Nest was in the present position in 1935, 1936 and 1937, and in these years it made raids to the dining hall, to Stone Memorial, and along the dock. The Walk Nest was found in its present location in 1930. On July 28, 1930, it moved to a new nest east of the caretaker's house, the workers carrying larvae, pupae, *fusca* workers, and *sanguinea* winged females. Raids were carried on from this new base. A nest found in 1931 near the lake by the caretaker's house may have been this same colony, and so may the one found in 1933 to the right of the fork of the Castle walk. The Walk Nest was discovered again in 1934 in its original position; a flight was witnessed from that site July 27, 1936, and it remained in place during 1937. No observations were made in 1938, but in 1939 it stayed in the original location all summer.

The North Nest seems to wander more. In 1930, a nest was found just north of the Trustees' Cottage. In 1931 there was one in the depression between the dining hall and the Trustees' Cottage. This raided a nest near the cottage (the site of the 1939 nest) and moved in there. Later that summer it moved to the north of the Trustees' Cottage. Still later in the season a nest, which was probably the same colony, was found between the Trustees' Cottage and Barney Cottage.

Other nests have been located: beside the laboratory steps ('30, '31), near the Castle ('34, '35, '36, '39), beside the Power House ('31), and at the east end of the island ('34, '39).