few minutes to an hour, depending not go ou robably mostly upon the distance she me in th as to go for flowers. When she remless mor and enters the hive one of two ooking in hings or both almost always occurs. occasional he may stop in a wild dance for a e or be finute or more, consisting of a vition of thatory lateral motion of the abdomen. herself, his seems to be for the purpose of , as often eventing the other workers from robs duties ing her of her pollen. At least, when ng, build e is going through this performance ing the leveral workers are generally arranged ems to bound her, making an occasional dive tion of each her pollen baskets. But this apve observent attempt at robbing seems to be eight ma tiated as often by her dancing as a individuo versa, for she often begins the per activit ne when no other workers are near After this, or in place of it, she gular in erally spends a minute or two in loes not broughly barbering herself, and then one. I ceeds to find a pollen cell and unrpical twe

mar n the distribution of her activity the twenty-four hours of the day alf min ave the results of the observations Barbers stated before. The eight marked Moves a utes, loa Moves 8 kers were watched on an average ut twenty-four hours each. ierself fo were generally watched twenty t works lites every hour, instead of every for a me hours, and at the times when minutes were apt to leave the hive they half. watched all the time. Only seven wo and a figure in the results of the next athering , which gives the average time a quite t in resting for the different threeto wh periods of the day, figured on a exce ty-minute basis:

ut in the			1000	
may su	A. M	Ρ.	М.	1
ery vigor	12-3 3-6 6-9 9-12 12-	3 3-6	16-9 119-	12
i run al	rest 2 23 1.92 1.44 1 06 1.2	5 16	1.14 2.	29
for				

is an igh the exception of the 6-9 p.m. before low figure of 1.14 is undoubtedly,

I think, accidental, and would disappear in the results of more extensive observations. The remainder would seem to indicate that they do about twice as much resting from 9 p.m. to 3 a.m. as during the rest of the time.

The number of bees resting in the whole hive were also counted every hour of the day and night for fortyeight hours, but this was done in about twelve-hour sections, on different days, so that the results are not of a continuous twenty-four hours' observation. The number of resters thus to be counted at the same hour on different days seems to vary very greatly, and a more even curve would be obtained from a larger number of counts. It is not very easy, in fact impossible, to make an accurate count, because of the fact that they will be resting onehalf minute and moving about the next half minute, while it takes about fifteen minutes to complete the count. Besides, many are often in the cells and others so thick on top that the cells cannot be seen. However, this, a considerable source of error, should not differ much from hour to hour, so that the relative number counted from hour to hour would remain the same, and thus not affect the results except in absolute numbers. The following are the results of the counts. The figures are average number of bees resting at the different hours of the day and night:

A. M.			P. M.				
12-3	3-1	6-9	9-12	12-3	3-6	6.9	9-12
778	756	374	3271	217	328	493	680

These figures disagree with the results of the observations on individual bees in so far as in the previous table the maximum amount of resting at any time was only about two and a fourth minutes, while this table shows that