

Again, in cases of the local *unfelt* earthquakes, or those of Group VIII B, the duration of the total preliminary tremor varied, with a few exceptions, between  $2\frac{4}{10}$  and 25 sec.; the frequencies of the different cases being as follows.—

**TABLE XXV.**

DURATION OF THE PRELIMINARY TREMOR.  
[EARTHQUAKES OF GROUP VIII B.]

Duration of total prel. tremor.	Number of cases.	Duration of total prel. tremor.	Number of cases.
sec. $2\frac{4}{10}$	1	sec. 16	4
5	2	17	1
6	2	18	2
7	1	19	1
8	1	21	2
9	2	22	2
10	2	24	1
11	1	25	2
12	4	28	1
13	1	33	1
14	2	37	1
15	2	58	1

The data contained in the above two tables will be of use in the estimation of the focal depth of the local earthquakes.

**X. Annual Distribution of the Earthquakes of  
Groups VIII A and VIII B.**

§ 15. The small local earthquakes, namely, those of Group VIII A and VIII B occurred much more frequently in the summer months than in other parts of the year, as will be seen from the following table.

TABLE XXVI.

ANNUAL DISTRIBUTION OF THE EARTHQUAKES  
OF GROUPS VIII A AND VIII B.

Month.	Number of earthquakes.			Season.	Number of earthquakes.
	Group VIII A.	Group VIII B.	Sum.		
XII, 1900	3	5	8	Winter.	27
I „	2	2	4		
II „	8	7	15		
III „	7	8	15	Spring.	40
IV „	12	3	15		
V „	5	5	10		
VI „	23	8	31	Summer.	87
VII „	29	11	40		
VIII „	6	10	16		
IX „	5	1	6	Autumn.	37
X „	9	2	11		
XI „	9	11	20		
Sum	118	73	191	Sum.	191

The annual variation of these small earthquakes, most of which were *unfelt* ones, does not coincide with that of the earthquakes observed in Tōkyō by means of Palmieri's and Gray-Milne's seismographs;\* the difference probably arises from the difference in the origins of the majority of earthquakes in the different sets of the observations. The discussion of this point must be postponed to some future occasion.

\* See the *Publications*, No. 8.