

TABLE 1

*Estimate of cycle length based on disappearance of successive generations of cells with increase in time after irradiation*

TIME AFTER IRRADIATION	NUMBER OF STAGE VII TUBULES WITH INDICATED CELL TYPES ABSENT <sup>1</sup>			
	Resting primary spermatocytes	Pachytene spermatocytes	Spermatids	Sperm
15 hr.	..			
18 hr.	1			
21 hr.	7			
24 hr.	19			
30 hr.	38			
36 hr.	54			
48 hr.	68			
7 days		..		
8 days		..		
9 days		..		
10 days		62		
11 days		79		
16 days			..	
17 days			..	
18 days			3	
19 days			59	
20 days			80	
25 days				..
26 days				7
27 days				53
28 days				71
29 days				80

<sup>1</sup> Based on 80 stage VII tubules (20 for each of 4 mice) scored for each time interval, pooled estimate of cycle length = 8.566 days, S.E. = .379.