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A Note on Certain Tables in Part II of the Supplement to the Sixty-Fifth Annual Report of the Registrar-General

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give the correct total number of fish, P , exceeding 25 centimetres in length. The relation between P and k is readily found by summing to infinity the successive values of y corresponding to 25, 26, 27 . . . centimetres. This gives $k = 2.13131 + \log P$, whence $\log y = 2.13131 + \log P - x/9$.

V.—*A Note on certain Tables in Part II of the Supplement to the Sixty-fifth Annual Report of the Registrar-General.* By REGINALD DUDFIELD, M.A., M.B.

ON p. xx of part II of the last Supplement Dr. Tatham observes: "Of the total male population above the age of 15 years at the last census more than 94 per cent. (including students) were returned as following some occupation . . ." meaning thereby that he ranked them as "occupied." In the census tables of occupations, "students" are included in Order XXIII ("Retired or Unoccupied"). A comparison of the totals of "years of life" given on pp. 3 and 8 of the Report with the numbers enumerated (Census Report: Summary Tables, pp. 186 *et seq.*) as "occupied" and as "retired or unoccupied" shows that for the purposes of the Supplemental Report 48,087 males aged 15 years and upwards have been transferred from the "unoccupied" class (Order XXIII) to the "occupied." The numbers of the "retired" obtained from the Supplement, viz., 287,742 agrees with sum of the "retired from business" (262,175) and "pensioners" (25,567) of the census table, and it is presumed that the 48,087 males have been transferred from the student group ("others aged 15 years and upwards, including student) which numbered 290,395 at the census.

The differences in the numbers of "occupied" at each age, as given by the census and as deduced from the Supplemental Report, are set out below:—

Occupied Males.

	Census.	Supplement.	Increase in Latter.
15—	1,475,987	1,508,797	+ 32,810
20—	1,433,629	1,445,445	+ 11,816
25—	2,442,667	2,445,855	+ 3,188
35—	1,889,184	1,889,411	+ 227
45—	1,341,324	1,341,358	+ 34
55—	808,148	808,152	+ 4
65—	400,832	400,840	+ 8
			48,087

The Supplemental Report gives tables of mortality (England and Wales) for "all males" (p. 2), "occupied males" (p. 3), and "unoccupied males" (p. 8). It will be necessary to remember that the "years of life" (defined on p. ix of the Report as "= three times the enumerated population at the census of 1901") given in the second and last-named tables are not equal to three times the enumerated populations as given in the Census Reports, but differ therefrom by 144,251 years (plus or minus as the case may be). It would require some search to find out to which of the 105 occupations, dealt with in the Report, the transferred males have been allocated. Probably the increases in the "years of life" would be found to be in most of the instances so small as to make the search valueless.

The table on p. 4 of the Report deals with the "occupied and retired," the latter being included in the table on p. 8—"unoccupied." It would, perhaps, have been preferable to give tables for the "occupied," the "retired" (including with the latter "pensioners") and for the "unoccupied" that is for Order XXIII after deducting the "retired" and "pensioners." The sum of the figures in the three suggested tables would agree with those in the table for "all males." It is true that the sum of the second and fourth tables (pp. 3 and 8) agrees with the "all males" table, but no mortality rates, &c., for the "retired" are given anywhere except general age mortalities in a table on p. xxiii of the text. The unoccupied class (really the non-workers) suggested above would include those "living on their own means" (93,381 individuals) and "others aged 15 years and upwards, including students" (242,308—assuming the 48,087 transferred males to have been taken from the students), making a total of 335,689 individuals with 1,007,067 years of life. Appended are the mortality figures (all causes) for the three suggested groups.

	Mean Annual Mortality per 1,000.							Compara- tive Mortality Figures.
	15—	20—	25—	35—	45—	55—	65—	
Occupied	2·44	4·41	6·01	10·22	17·73	31·01	88·39	925
Retired	79·68	90·59	96·50	94·80	68·29	91·48	148·02	6,353
Unoccupied	19·32	19·86	13·47	15·49	16·05	15·47	20·15	1,055