

Table F—Student Enrolments Two Engineering Schools, by Stages, 1945–1948 (Inclusive)

|                                        | 1945.  |        |       | 1946.  |        |       | 1947.  |        |       | 1948.  |        |       |
|----------------------------------------|--------|--------|-------|--------|--------|-------|--------|--------|-------|--------|--------|-------|
|                                        | A.U.C. | C.U.C. | Total | A.U.C. | C.U.C. | Total | A.U.C. | C.U.C. | Total | A.U.C. | C.U.C. | Total |
| First professional ..                  | 20     | 66     | 86    | 38     | 97     | 135   | 61     | 110    | 171   | 44     | 79     | 123   |
| Second professional—                   |        |        |       |        |        |       |        |        |       |        |        |       |
| Civil .. ..                            | 6      | 8      | 14    | 9      | 24     | 33    | 10     | 28     | 38    | 24     | 52     | 76    |
| Electrical .. ..                       | 3      | 5      | 8     | 7      | 22     | 29    | 7      | 36     | 43    | 6      | 31     | 37    |
| Mechanical .. ..                       | 4      | 3      | 7     | 5      | 11     | 16    | 10     | 13     | 23    | 7      | 17     | 24    |
| Chemical .. ..                         | ..     | ..     | ..    | ..     | ..     | ..    | 1      | 4      | 5     | ..     | 6      | 6     |
| Total .. ..                            | 13     | 16     | 29    | 21     | 57     | 78    | 28     | 81     | 109   | 37     | 106    | 143   |
| Third professional—                    |        |        |       |        |        |       |        |        |       |        |        |       |
| Civil .. ..                            | ..     | 13     | 13    | ..     | 17     | 17    | ..     | 43     | 43    | ..     | 43     | 43    |
| Electrical .. ..                       | ..     | 13     | 13    | ..     | 13     | 13    | ..     | 31     | 31    | ..     | 36     | 36    |
| Mechanical .. ..                       | ..     | 1      | 1     | 5      | 1      | 6     | 5      | 11     | 16    | 14     | 10     | 24    |
| Chemical .. ..                         | ..     | 1      | 1     | ..     | 1      | 1     | ..     | 1      | 1     | ..     | 1      | 1     |
| Total .. ..                            | ..     | 28     | 28    | 5      | 32     | 37    | 5      | 86     | 91    | 14     | 90     | 104   |
| Fourth or subsequent professional—     |        |        |       |        |        |       |        |        |       |        |        |       |
| Civil .. ..                            | ..     | ..     | ..    | ..     | ..     | ..    | ..     | ..     | ..    | ..     | 3      | 3     |
| Electrical .. ..                       | ..     | ..     | ..    | ..     | ..     | ..    | ..     | ..     | ..    | ..     | 4      | 4     |
| Mechanical .. ..                       | ..     | ..     | ..    | ..     | ..     | ..    | ..     | ..     | ..    | 3      | ..     | 3     |
| Chemical .. ..                         | ..     | ..     | ..    | ..     | ..     | ..    | ..     | ..     | ..    | ..     | 1      | 1     |
| Total .. ..                            | ..     | ..     | ..    | ..     | ..     | ..    | ..     | ..     | ..    | 3      | 8      | 11    |
| Totals, first, second, and third .. .. | 33     | 110    | 143   | 64     | 186    | 250   | 94     | 277    | 371   | 98     | 283    | 381   |
| Other students .. ..                   | 26     | 119    | 145   | 42     | 79     | 121   | 16     | 72     | 88    | 9      | 73     | 82    |
| First, second, third, and others .. .. | 59     | 229    | 288   | 106    | 265    | 371   | 110    | 349    | 459   | 107    | 356    | 463   |

## (3) ENTRANCE QUALIFICATIONS

158. Before commencing study in the intermediate year, a student is required to have University Entrance qualifications. The attention of the Committee was drawn to the apparently high mortality occurring in the intermediate year. Figures indicate that only about half of those entering the B.E. intermediate year will survive the examination. Part of this loss is possibly accounted for by students who transfer to an Arts or Science course during or at the end of the intermediate year.

159. Witnesses who remarked upon the quality of students embarking upon the engineering course were not unanimous as to the improvements, if any, that should be made. Some considered that greater specialization was desirable for future engineering students in the post-primary school; others thought that the greatest need was not for any relatively narrow or specialized post-primary course, but for a general well-balanced course designed to produce a student with interests outside his own selected field of training. One very convincing piece of evidence indicated that students who had spent at least one year in the Sixth Form after they had obtained University Entrance qualifications showed much better performance than those who commenced the intermediate year with the minimum entrance requirements.