

the new proposals will prove acceptable to trainees unless some provision is made for a bursary during the full-time year. As the Committee is firmly convinced that the full-time year is essential, it follows that a bursary for diploma students in their third year is an integral part of the Committee's plans for the improvement of engineering education. The Committee considers that the awards must be on such a scale and of such a value that all candidates who have satisfactorily completed the first two years of the course will be able to undertake the third year. This implies that provision should be made for additional payments to married men. It is hoped that employers will readily grant leave facilities during the tenure of the bursary. It has no doubt, too, that some employers will see fit to supplement the bursary allowance.

245. It will be remembered that in Section 9 the Committee set out the arguments for and against University training for all professional engineers and indicated that it would be necessary for some years to train a proportion of engineers by means of courses leading to diplomas in professional engineering. The previous paragraph follows logically from the recommendation in para. 124. Under present conditions the need to train more engineers quickly (so long as this is done without reducing the standard) and the desirability of providing more adequate courses for students who are studying Institution examinations under difficulties justify a considerable expenditure on diploma bursaries. Once this stage has passed, however, there ought to be a continually increasing trend towards the University. Assistance to those taking a diploma course should then be restricted by limiting the number of awards. The Committee had in mind a progressive reduction in the number of awards, but it feels that no good purpose would be served by such preciseness in the formal recommendation, as the position will be watched by the Council of Engineering Education.

#### RECOMMENDATIONS—

*That, in order to assist in increasing the efficiency of engineering education for non-degree students, bursaries be established available to all deserving students who are entering on the full-time year of the course for the Diploma in Professional Engineering; that the term of the bursary be one year, with the possibility of an extension for a further year in exceptional and strictly limited cases; and that the value of the bursary be £100 per annum, inclusive of any fees that may be payable, plus £40 per annum boarding-allowance, where justified, plus £100 per annum for married men, payment to be subject to receipt of satisfactory reports each term from the Principal of the school attended.*

*That the number of diploma bursaries be unlimited until the awards at the end of 1954 to give approved students already taking non-University courses every encouragement to complete their qualifications and that thereafter no more than 30 bursaries be awarded annually.*

*That during the interim period students who have completed Section A of the Institution Membership examinations be considered eligible for the above bursaries under the same conditions.*

#### (iv) ENGINEERING SCHOLARSHIPS

246. With the existing facilities for education in this country it is seldom that the lad of exceptional ability is not discovered and given the opportunity of continuing his studies to the highest level in the normal manner. Every now and then, however, cases occur of students whose capabilities remain unnoticed until a relatively late age. This happens in engineering, where, for example, a boy's passion for mere dabbling with mechanical things may well hide for the time being a mind capable of revelling in the higher intricacies of engineering mathematics. There can be no doubt that every encouragement to transfer to the University should be given to any such person who happens to be following a diploma course. The Committee proposes, therefore, that