

*Hydraulic Ram* is a short subject concerning the operation and installation of this unit and the method of calculating the amount of water raised.

*Air And Ventilation* covers the composition of air, impurities and methods of purification, ventilation (natural and artificial) and air conditioning.

*Front Axle And Steering* is designed to cover the "A" Grade Motor Mechanics' Exams syllabus and deals with front axle types and designs, independent suspension, types of steering gear and steering linkage, steering geometry and front end servicing.

*Micrometers.* Deals with the construction, types, use and method of reading micrometers. It is particularly valuable to the engineer who has been away from his trade for some time and requires 'brushing up' on the method of reading a micrometer. This course is also issued to students studying for the "A" Grade Motor Mechanics Examination.

#### ARTS WING.

Students who wish to study English or a foreign language should note that if they propose to sit the examination in 1945 the courses available are suitable. If, however candidates wish to sit next year, 1946, a different syllabus will probably be in force for the set books and literature section.

*Music (Additional) Composition*  
Copies of Standford's "Musical Composition" are available. These will be of use to students in orchestration.

#### AGRICULTURE WING

There is now a Part III of the Poultry Keeping Course.

*Forestry.* A new course on Forestry is being prepared in New Zealand by the State Forest Service. A number of books are designed to cover the complete course, but so far

only the first—"An Introduction to Forestry"—is available. This presents the objects and methods of Forestry as practised in the Dominion, and includes an historical review of the development and significance of the various branches of the industry. An outline of silviculture, the protection, measurement and management of forests, together with the harvesting and conservation of timber, its properties and uses are subjects touched upon.

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*Concessions To Ex-servicemen Plumbers.*—The Rehabilitation (Plumbers') Regulations, 1945, permit an ex-serviceman so wishing to sit for the examination of the Plumbers' Board provided he has been engaged in the trade for at least three years, including not less than six months after his discharge from the armed forces. They also lay down the trade qualification period for servicemen as four years, as against six years normally, including not less than six months at the trade from time of discharge. Should a serviceman, however, be engaged on plumbing work while on leave with pay immediately prior to his discharge from the forces that time will be counted as part of the requisite six months. The concessions apply to servicemen employed in the trade either as apprentices or under any rehabilitation scheme.

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*Rhodes Scholarships.* Two special Scholarships are to be awarded to New Zealanders before the end of the year. Applications will be accepted only from those who have performed at least one full year of mobilised defence service or such other special service as may be approved by the New Zealand committee and by the trustees. Full details and application forms may be obtained from the following ERS units:—Div. Det., Advance Base Det., MEF Det., N.Z. School of Education, and HQ-ERS.