

amount of food for fixed animals which can feed on small particles. These they waft into their mouths by creating currents in the water by various methods. Like the plants, the animals become adapted to definite conditions and grow in definite belts.

Three barnacles grow in the upper zones, one extending far into the spray zone. About the middle of the Gigartina alveata zone may be found two tube worms growing in narrow bands, one above the other. The upper one, Vermilia, builds a calcareous tube, while the lower one Hermelia has a tube built of sand particles. Extending throughout the mid-tide zone is the tiny black mussel Modiolus (or VolSELLA), while below low neap tide mark may be found the large mussel, Mytilus.

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### SCENERY PRESERVATION

Ever since its inception, the Auckland Botanical Society has endeavoured to attract attention to the threat to the natural vegetation of Rangitoto by animal and vegetable pests. Of recent years pines have become a considerable menace. The Devonport Council has now approached the Botanical Society and suggested that it should undertake the work of locating the pines. As a result the Committee set forth on May 1st and spent a day "pine spotting" on Rangitoto. With the aid of powerful binoculars the more important groups were located and marked on the plan. Dr. Godley has sent in a report of our investigations to the Devonport Council. It is proposed to hold a further excursion to the Island on June 19th, where members will either botanize or investigate pines as the spirit moves them. Those in a crusading mood are strongly urged to bring an axe!

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### CONGRATULATIONS

Our hearty congratulations to Mrs. Allen (née Betty Molesworth) on her recent marriage. Mrs. Allen is spending her honeymoon in Burma, prior to settling in Singapore. All members will unite in wishing her every possible happiness. We do not feel that she is altogether lost to the Society as she has promised in due course to send us some of her observations on the fascinating flora of the Malay Peninsula - in this connection it may be noted that she has already discovered a new orchid.