

YEAR ENDING 31 MARCH, 1947

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH—*continued*

VOTE—SCIENTIFIC AND INDUSTRIAL RESEARCH— <i>continued</i>	1946-47.	1945-46.	
		Voted.	Expended.
<i>Subdivision No. II—Research Investigations—ctd.</i>			
OTHER CHARGES FOR AND INCIDENTAL TO—	£	£	£
Air mapping	200	825	(a)
Expenses of officers overseas	(b) 1,240	2,585	2,348
Furniture and fittings, purchase of ..	1,475	1,258	1,181
Insect parasites	(c) 900	..	..
Instruments, apparatus, equipment, and laboratory stores, purchase of	(d) 36,787	22,229	19,558
Maintenance and operating expenses of labor- atories, experimental areas, factories, &c.	(e) 26,302	15,958	19,328
Motor-vehicles: purchases, repairs, main- tenance, license fees, and running-expenses	(f) 2,920	5,220	2,010
Office expenses	(e) 6,230	5,254	5,173
Overtime and meal allowances	645	995	636
Payments to Post and Telegraph Department	(e) 2,186	1,610	1,615
Permanent improvements, including buildings, roading, fencing, &c.	(g) 14,612	12,956	(g) 3,300
Printing and stationery	765	537	904
Printing of bulletins and maps	(h) 3,920	3,615	1,450
Rent and rates	(i) 2,182	2,070	1,366
Servicing industry and contributions to new research associations	(j) 3,700	1,500	17
Travelling allowances and expenses ..	11,580	8,898	(k) 9,895
Wages	27,466	23,940	23,516

(a) It proved impossible last year to make the proposed aerial surveys.

(b) An officer of the Entomology Division stationed at Adelaide is investigating the possibility of securing parasites to attack the grass-grub, whilst two officers of the Agronomy Division, recently released from the Armed Services in England, are visiting overseas research stations before returning to New Zealand.

(c) Refund of portion of expenses incurred by Imperial Institute of Entomology for work on parasites of New Zealand insect pests. Last year £500 was paid from Unauthorized Account.

(d) Increase required to meet costs of equipping new research units—e.g., Atomic Physics Section, £4,000; Industrial Psychology Division, £150; Grasslands Sub-station at Gore, £1,660; Grass Grub Research, £1,100; Anti-biotics Unit (Plant Chemistry Laboratory), £4,100—and to meet outstanding overseas orders expected to come to charge.

(e) Provision required for operating expenses of new research activities (see (d)).

(f) Vehicles are required by the new fruit research orchard in Otago, the Plant Research Bureau, and the Soil Bureau.

(g) Provision for temperature and humidity controlled rooms for Building Research, £700; worker's accommodation at Dairy Research Institute, £240; purchase of Stone Fruit Research Orchard in Otago, £3,450 (provided in 1945-46 but not used); improvements at Appleby Research Orchard, £265; installation of Industrial Psychology Division, £320; Grasslands Sub-stations, £3,600; glasshouses, &c., £2,100; implement-shed, Wheat Research Institute, £600.

(h) Printing of Industrial Psychology Division's Bulletin, £240; monograph on grass-grub, £450; completion of North Island Soil Map, £2,200; a bulletin on soils of Whangarei County, £500; and the Wheat Review, £220.

(i) Rental of new experimental areas.

(j) Provision by the Manufacturers' Research Committee for establishment of new research associations.

(k) Number of officers, 170. Motor hire, £400; mileage-allowances, £2,000; travelling-allowances, £4,100; travelling-expenses, £3,395.