1.—Total Research and De	lopment Expenditures, 1955-64
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	Expenditure on Research and Development in Canada		Expenditure on Research and		
Year	Done Within Reporting Company	Done Outside Reporting Company	Development Outside Canada	Total	
	\$'000,000	\$'000,000	\$'000,000	<b>\$*000,000</b>	
1955. 1957. 1958 (estimate) 1959 (estimate) 1961 (estimate) 1962 (estimate) 1963 (estimate)	96.6 81.7 114.0	1,9 4,2 1 3,3 1 4,3 1 8,0	12.1 19.8 27.0 21.7 27.3 31.2 35.4 37.8 38.5	65.4 148.5 159.5 121.6 109.0 147.1 <sup>2</sup> 159.9 201.2 <sup>2</sup> 228.5	

<sup>1</sup> Included with expenditures outside Canada. 2 Since extramural payments include a number of payments which become intramural expenditures for the recipient firms, the totals have been adjusted to exclude duplication.

Three industries—transportation equipment, electrical products, and chemicals and chemical products—have accounted for more than one half of all research and development performed in Canada every year since 1955. In 1961, for the first time, the research and development expenditures of the transportation equipment industry, which are used largely for aircraft development, did not exceed those of every other industry. In that year the electrical products industry, which includes electronic equipment, was the leading performer of industrial research and development. In 1963, the transportation equipment industry, with \$31,200,000 assigned to research and development expenditures, was still behind the electrical products industry; however, if payments made outside Canada are included, the transportation equipment industry was first (\$39,300,000) and the electrical products industry was second (\$34,500,000).

2.—Research and Development Expenditures in Canada, by Major Industrial Group, 1961 and 1963

Group	1981		1963	
	Amount	P.C. of Total	Amount	P.C. of Total
	\$		\$	
Transportation equipment. Electrical products. Chemicals and chemical products.	17,373,480 28,199,659 20,292,535	15.0 24.3 17.5	31,202,042 33,435,679 25,021,027	19.1 20.5 15.3
Totals	65,865,674	56.8	89,658,748	54.9
Other industries	50.018,214	43.2	73,788,892	45.1
Grand Totals.	115.883.888	100.0	163,447,640	100.0

Table 3 shows intramural research and development expenditures over the four years 1961-64. The transportation equipment industry is given separately because of substantial fluctuations in its expenditures. Most of the other industries have increased their research and development activities over the period; the chemical and electrical products industries reported the greatest absolute increases, together having accounted for over 45 p.c. of total intramural expenditures (excluding those of transportation equipment) since 1961.