3.—Research-Development Expenditures Performed Within Reporting Companies, by Industry, 1957-60

Industry	1957	1958[1]	1959	1960[1]
	$	$	$	$
Mining, quarrying and oil wells	4,835,332	4,143,122	4,907,029	5,168,654
Manufacturing—				
Foods and beverages	1,355,851	1,480,150	1,793,626	1,971,900
Rubber products	1,145,619	1,121,000	1,219,165	1,199,140
Textile products	1,292,876	1,333,500	1,395,769	1,462,940
Wood products	117,177	124,400	229,581	242,252
Paper products	5,700,747	6,066,393	6,571,953	6,822,565
Iron and steel products	4,045,081	4,526,800	5,569,828	5,747,984
Non-ferrous metal products	5,626,034	6,837,880	5,903,514	6,709,421
Electrical apparatus and supplies	14,444,799	14,871,067	15,903,065	17,551,660
Non-metallic mineral products	1,115,368	1,204,781	1,353,830	1,444,771
Products of petroleum and coal	2,934,400	3,420,000	3,761,700	4,224,000
Chemical products	11,717,093	13,479,184	14,133,296	12,818,696
Other manufacturing (incl. tobacco and tobacco products, leather products, printing and miscellaneous)	1,750,936	2,300,919	3,004,378	2,617,766
Transportation, storage, communication and public utility operations	2,377,100	2,553,000	2,779,440	3,126,460
Other non-manufacturing (incl. construction, scientific and engineering services and trade associations)	1,505,533	1,405,500	2,593,485	2,600,840
Totals (excl. Transportation equipment)	59,963,946	64,867,696	71,119,659	73,709,049
Transportation equipment	64,566,901	67,613,104	25,570,722	8,072,106
Totals, All Industries	**124,530,847**	**132,480,800**	**96,690,381**	**81,781,155**

[1] Estimates based on companies' intentions.

Table 4 gives the distribution of research-development expenditures in 1959 by product field. Of the total of $96,700,000, representing outlays in Canada within reporting companies and funds from affiliates, government and other sources, more than 50 p.c. was for research-development expenditures on aircraft and parts, chemicals and electronics. The Federal Government provided the transportation equipment industry with $13,000,000 in 1959, most of which was for aircraft and parts.

4.—Research-Development Expenditures Performed Within Reporting Companies, by Product Field, 1959

Product Field	Amount	P.C. of Total	Product Field	Amount	P.C. of Total
	$'000			$'000	
Aircraft and parts	23,601	24.4	Petroleum and natural gas	2,271	2.4
Chemicals (except drugs and medicines)	16,089	16.6	Drugs and medicines	2,030	2.1
Electronics	10,369	10.7	Motor vehicles and parts	1,536	1.6
Primary metals	10,250	10.6	Professional and scientific instruments	953	1.0
Electrical equipment (excluding electronics)	8,489	8.8	Other	14,853	15.4
Machinery (excluding electrical)	3,597	3.7			
Fabricated metals	2,653	2.7	**Totals**	**96,690**	**100.0**

The sources of funds for research-development done within companies also changed substantially from 1957 to 1959. Table 5 shows that most of the differences were caused by changes in the allocation of government funds for research-development in the transportation equipment industry. Because of this, the total value of research done within companies declined substantially even though reporting companies and their affiliates ncreased their own expenditures significantly.