

**5.—Federal Expenditures on Scientific Activities by Civilian and Defence Branches of Government, Years Ended Mar. 31, 1959-62**

NOTE.—See headnote to Table 4, p. 381.  
(Millions of dollars)

Activity	Civilian Branches				Armed Forces and the Defence Research Board			
	1958-59	1959-60	1960-61	1961-62	1958-59	1959-60	1960-61	1961-62
Conduct of research-development, including planning and administering research-development and grants-in-aid of research	80.8	95.8	112.7	129.7	87.6	56.0	59.2	63.0
Capital expenditures on research-development plant.....	25.0	26.7	32.4	35.5	5.7	6.3	1.8	1.5
Scientific data collection.....	16.4	18.9	13.8	18.7	1.7	1.7	1.9	2.4
Scientific information.....	3.5	4.3	5.0	5.6	0.6	0.6	—	—
Scholarship and fellowship programs.....	1.3	2.0	2.0	2.5	—	—	—	—
<b>Totals, Scientific Activities.....</b>	<b>127.0</b>	<b>147.7</b>	<b>165.9</b>	<b>192.1</b>	<b>95.6</b>	<b>64.6</b>	<b>62.9</b>	<b>66.8</b>

Federal Government expenditures (exclusive of those by the Armed Forces and the Defence Research Board) on research-development are classified according to scientific field for the four fiscal years in Table 6. Such expenditures for the physical sciences have increased over this period at the rate of approximately \$10,000,000 each year. In the life sciences, expenditures have increased in proportion to total increase in expenditures on research-development.

**6.—Federal Expenditures on Research-Development, by Scientific Field, Years Ended Mar. 31, 1959-62**

NOTE.—See headnote to Table 4, p. 381.  
(Millions of dollars)

Scientific Field	1958-59	1959-60	1960-61	1961-62
<b>Physical Sciences—</b>				
<b>Engineering—</b>				
Chemical.....	3.5	4.4	5.1	6.3
Civil.....	2.3	2.6	3.4	3.8
Electrical.....	4.8	5.9	7.4	8.9
Mechanical.....	8.1	9.6	12.1	13.7
Other.....	1.7	4.9	5.2	7.7
<b>Totals, Engineering.....</b>	<b>20.4</b>	<b>27.4</b>	<b>33.2</b>	<b>40.4</b>
<b>Other Physical Sciences—</b>				
Chemistry.....	6.4	7.3	8.6	9.8
Physics.....	7.0	8.2	7.6	9.1
Geology, geophysics and other earth sciences.....	4.1	4.3	9.4	11.2
Metallurgy.....	4.9	5.3	2.6	3.4
Mathematics.....	0.1	0.1	0.4	0.4
Other.....	2.6	2.8	2.1	2.6
<b>Totals, Physical Sciences.....</b>	<b>45.5</b>	<b>55.4</b>	<b>63.9</b>	<b>76.9</b>
<b>Life Sciences—</b>				
Medicine.....	4.5	5.9	8.1	8.8
Agriculture.....	23.0	25.4	26.0	27.7
Biology.....	7.8	9.1	13.2	15.0
Other.....	—	—	0.5	0.5
<b>Totals, Life Sciences.....</b>	<b>35.3</b>	<b>40.4</b>	<b>47.8</b>	<b>52.0</b>
<b>Grand Totals.....</b>	<b>80.8</b>	<b>95.8</b>	<b>111.7</b>	<b>128.9</b>

Details of federal expenditures on scientific activities for the fiscal years 1960-61 and 1961-62 are given in Table 7.