

from this analysis, total \$46 million in 1962; \$50 million in 1963; and \$76 million in 1964. These expenditures are chiefly for research under the highway trust fund of the Department of Commerce.

Table G-1. **TOTAL ADMINISTRATIVE BUDGET EXPENDITURES FOR RESEARCH AND DEVELOPMENT** (in millions of dollars)

Purpose	1962 actual	1963 estimate	1964 estimate
Conduct of research and development.....	9,793.0	11,371.0	13,745.2
Research and development facilities.....	555.0	869.0	1,188.2
Total.....	10,348.0	12,240.0	14,933.5

Note.—Totals in text tables may not add due to rounding.

Through its programs the Federal Government now supports over two-thirds of the research and development of the Nation. Of the total Federal expenditures for this purpose about two-thirds are made through contracts with private industry; over 10% through grants and contracts with universities and other nonprofit institutions; and the remainder by Government scientists in Federal facilities.

Table G-2. **ADMINISTRATIVE BUDGET EXPENDITURES FOR RESEARCH AND DEVELOPMENT DIVIDED BETWEEN NATIONAL DEFENSE AND OTHER PROGRAMS, FISCAL YEARS 1953-1964** (in millions of dollars)

Fiscal year	National Defense	Other	Total
1953.....	2,832	269	3,101
1954.....	2,868	280	3,148
1955.....	2,979	289	3,268
1956.....	3,104	332	3,435
1957.....	4,027	433	4,460
1958.....	4,463	523	4,985
1959.....	5,048	744	5,792
1960.....	6,639	1,103	7,742
1961.....	7,719	1,572	9,291
1962.....	8,092	2,256	10,348
1963.....	8,515	3,725	12,240
1964.....	9,168	5,765	14,933

Note.—Amounts included in this table under "National Defense" for the Department of Defense have been compiled from the best available summary data to provide maximum possible comparability for the years shown.

In the following paragraphs are described the programs of the Federal agencies with the largest expenditures for research and development. The expenditures for these and other agencies are summarized in the table at the end of this text.

DEPARTMENT OF DEFENSE—MILITARY FUNCTIONS

The research and development programs of the Department of Defense include basic and applied research; exploratory, advanced, and engineering development of new components and systems with possible military applications; and development of weapons systems