

"level of effort" basis, with the objective of advancing our knowledge in a balanced manner across the entire spectrum of science and technology pertinent to the Defense effort. To facilitate the management of the program and to insure that it is always responsive to changes in our fields of interest, I noted that we had organized the overall effort primarily in terms of disciplines, i.e., materials, general physics, chemistry, oceanography, etc., and that the effort in each discipline was allocated among the components of the Department on the basis of their primary fields of interest and competency.

Show on figure 6 is the research program proposed for fiscal year 1968, compared with prior years. You will notice that there is a sharp reduction in the amount of funds allocated to materials research and to a lesser extent for in-house laboratory independent research. In both cases, the amounts of unobligated and unexpended funds exceeded the levels dictated by prudent management. Accordingly, the amount of new funds requested for fiscal year 1968 has been reduced below the actual program levels which will be about the same as in fiscal year 1967.

FIGURE 6

Summary of the research program

[TOA, in millions of dollars]

	Fiscal year—						
	1962	1963	1964	1965	1966	1967	1968
Engineering sciences:							
Electronics.....			26	27	28	28	27
Materials.....			34	44	45	47	33
Mechanics.....			26	26	29	29	28
Energy conversion.....			12	14	14	15	14
Subtotal.....			97	111	116	119	102
Physical sciences:							
General physics.....			28	30	33	30	30
Nuclear physics.....			15	17	15	16	13
Chemistry.....			10	11	11	11	11
Mathematical sciences.....			33	35	37	38	37
Subtotal.....			86	93	96	95	91
Environmental sciences:							
Terrestrial.....			6	6	7	6	6
Atmospheric.....			19	20	19	21	22
Astronomy-astronautics.....			8	9	10	10	9
Oceanography.....			18	19	19	20	22
Subtotal.....			51	54	55	57	59
Biological and medical sciences.....			34	33	33	34	32
Behavioral and social sciences.....			9	10	12	13	12
Nuclear weapons effects research.....			36	38	39	41	43
In-House independent laboratory research.....			35	39	35	36	34
University program (THEMIS).....						18	27
Other support.....				8	7	7	8
Total research.....	339	351	346	383	391	415	409

¹ Amounts will not necessarily add to totals due to rounding.

Included in the fiscal year 1968 request for research is \$27 million for the Defense Department's share of the national program for developing new centers of excellence in science and technology. This program, previously referred to as the "university program" and now called THEMIS, is in addition to our regular contract/grant arrangements with institutions of higher learning and is not a substitute for