

the DoD portion has declined to about 20 percent. Thus, we do not now have, nor are we developing, a predominant position. Third, about 90 percent of the Federal support of research at universities is, in fact, oriented to national missions.

DoD Research and Security

Finally, the issue of classified research. In the past fiscal year, DoD funds supported approximately 4152 contracts in what the NSF defines as "basic research." Of these, 138 (or 3.3 percent) were classified. These few contracts were classified usually because the individual investigator's work was more applied and required limited access to classified information, rather than because the research itself was classified. I am taking steps to assure that in the future all basic research supported by DoD at universities will be unclassified. However, because universities possess special skills unique for necessary national security activities, we will continue to support a very small number of exploratory development and study efforts at universities, as well as occasional consulting arrangements.

We recognize that any requirement to review publications—for security or other reasons—can pose problems for the university. For many years we have been sensitive to this issue. With one exception, the DoD policy places no restriction on the publication of work done under unclassified contracts. The exception is this: results of research in the behavioral and social sciences related to foreign policy must be reviewed prior to publication as a safeguard against creating or increasing international tensions. This is a general governmental policy; it is not confined to DoD.

Conclusion

The United States has evolved a pattern of association between our universities and the Department of Defense. This association has led to major achievements in science and engineering, and has strengthened both national security and the national academic research base. Those who would make sweeping changes in this successfully evolving pattern should consider the whole case, all of the consequences for the country, from the many points of view. The issues must be tested in the larger context of all support to academic research, and the entire range of national groups and goals.

APPOINTMENTS

Thomas C. Chalmers, chief of medical services, Lemuel Shattuck Hospital, Boston, and professor of medicine, Tufts University School of Medicine, to head of the Veterans Administration medical research and education program. . . . **Allen J. Enelow**, director of the postgraduate division of the University of Southern California School of Medicine, to director of the Mental Health Unit, St. Lawrence Hospital, and chairman of the department of psychiatry, Michigan State University. . . .

Peter C. Badgley, program chief, Earth Resources Survey Program, Office of Space Sciences and Applications, NASA, to program director, Gulf Unresources, Avco Corporation. . . .

Ernst R. Pariser, research chemistry, fish protein concentrate program, Bureau of Commercial Fisheries, Department of the Interior, to chief scientist and director of engineering for marine resources, Avco Corporation. . . .

Hans Fisher, professor of poultry nutrition, Rutgers, to chairman of the department of nutrition at the university. . . . **Giovanni Giudice**, molecular embryology unit, C.N.R.S., department of comparative anatomy, University of Palermo, Italy, to visiting lecturer during the fall quarter, department of zoology, University of Chicago. . . .

H. Vasken Aposhian, associate professor of microbiology, Tufts University School of Medicine, to head of the department of cell biology and pharmacology, University of Maryland School of Medicine. . . . **Arthur Hess**, associate professor of physiology, University of Utah College of Medicine, to chairman of the department of anatomy, Rutgers Medical School. . . .

Bruce M. Breckenridge, associate professor of pharmacology, Washington University School of Medicine, to chairman of the department of pharmacology, Rutgers Medical School. . . . **O. Hugo Schuck**, director of research, Honeywell Inc., to director of a new office of guidance and control research, Electronics Research Center, NASA. . . . **Jack L. Kostyo**, professor of physiology, Duke University, to chairman of the department of physiology, Division of Basic Health Sciences, Emory University. . . .

Riggsby, professor of science, Troy State College, to visiting professor, Auburn University. . . . **Manuel Diaz-Pifferer**, University of Puerto Rico; **Meredith Jones**, Smithsonian Institution;

Alain Liogier, West Indian Herbarium, New York Botanical Garden; and **Albert Schwartz**, Dadeco Junior College, Miami; visiting honorary professors in the faculty of scientists, Autonomous University of Santo Domingo. . . .

Richard L. Barrett, dean of the College of Arts and Sciences, New Mexico State University, will retire after 22 years next fall. . . . **Herbert P. Riley**, professor of botany, University of Kentucky, to visiting professor, Department of Population and Environmental Biology, University of California, Irvine. . . .

Gordon C. Ring, chairman emeritus of the department of physiology, University of Miami School of Medicine, to visiting professor of physiology, faculty of medicine, University of Malaya, Kuala Lumpur. . . . **Mildred S. Dresselhaus**, research scientist, Lincoln Laboratory, Massachusetts Institute of Technology to Abby Rockefeller Mauze Visiting Professor, M.I.T. . . .

Arthur A. Dole, professor of psychology, University of Hawaii, to professor of education and coordinator of the Counseling Program Graduate School of Education, University of Pennsylvania. . . . **Joseph T. Velardo**, director, Institute for the Study of Human Reproduction, Cleveland, to chairman of the department of anatomy, Stritch School of Medicine, Loyola University. . . .

John Troan, former science writer for Scripps-Howard newspapers, to editor, *Pittsburgh Press*. . . . **Trevor R. Cuykendall**, professor of engineering, at Cornell University, to director of the newly created School of Engineering Physics at the university, and **Norman Rostoker**, manager of fusion and plasma physics, General Atomic Division of General Dynamics Corporation, to chairman of the newly created department of applied physics, and IBM professor of engineering at Cornell. . . .

John C. Laidlaw, professor of medicine and director of University of Toronto's Clinical Investigation Unit, Toronto General Hospital, to head of the newly created Institute of Medical Sciences, School of Graduate Studies at the university. . . .

Erratum: In the paper "Strophanthidin-sensitive transport of cesium and sodium in muscle cells," by R. A. Sjodin and L. A. Beauge [*Science* 156, 1248 (2 June 1967)] line 10 of the legend to Fig. 2 should show that 25 mM of cesium, rather than 25 mM of potassium, was present in the Ringer fluid.

Erratum: In "Student Demonstrations" (News in Brief; 3 Nov., p. 613), the University of Wisconsin, Milwaukee, was erroneously identified as the site of a student demonstration. The demonstration took place at the University of Wisconsin, Madison.