

submission was consistent with a recent request from a congressional committee that the agency should place more emphasis on so-called 'strategic' research.

No absolute cut is proposed for the funding of any scientific discipline. But some 'pure' disciplines are promised only moderate expansion — astronomy, for example, would receive a 5 per cent spending increase — while those closer to policy goals, such as social science and some branches of computer science, would get increases of 20 per cent or more.

C. M.

NIH: better than last year

The administration's budget request for the NIH for the fiscal year 1995 is nothing to shout about. But in the face of tight controls on federal spending overall, the situation could have been worse. President Clinton is requesting \$517 million more in the year beginning on 1 October for NIH than in the current year, a modest increase of 4.7 per cent that would bring its budget to \$11.5 billion.

Apart from a few targeted areas — research on women's health, and in particular breast cancer, HIV/AIDS and tuberculosis, support for high-performance computing and the minority health initiative, which are all healthy increases — funding for other research at NIH's 22 institutes and centres will remain level in real terms, the extra money amounting to little more than a cost-of-living increase.

Strong emphasis has been placed on research that is focused on the prevention of disease. Interestingly, however, the administration has frozen almost the entire budget for the Centers for Disease Control and Prevention, based in Atlanta, Georgia, which is the leading public health agency in the United States.

In addition to the \$11.5 billion requested for NIH, the administration has recommended that it should receive an additional \$400 million for research into prevention as part of the president's request for fiscal year 1995 for health-care reform.

Considering that this is a stringent budget overall, the president's request for NIH is better this year than last, says Harold Varmus, the director of NIH. "As long as we [NIH] are keeping ahead of the biomedical research and development price index, we're doing pretty well."

Diane Gershon

Energy: cuts for nuclear

With a request of \$18.5 billion for the 1995 fiscal year, the Department of Energy (DoE)'s budget is proposed by the Clinton administration to fall 3 per cent for the second year in a row.

The largest cuts proposed by the

administration are in defence-related programmes (down 13 per cent, to \$5.6 billion) and nuclear energy research (down 25 per cent, to \$248 million). DoE plans to use some of these savings to increase spending on renewable energy and energy efficiency programmes, which would jump from a combined \$1 billion this year to \$1.4 billion in 1995.

The \$6.3-billion request for environmental cleanup at former defence laboratories is roughly the same as this year's spending level, and remains the largest single item of expenditure in the department's budget.

The Office of Energy Research is requesting \$2.8 billion, down 15 per cent from the amount finally allocated to it in 1994 (largely as a result of the phasing-out of the Superconducting Super



Space station funding remains at this year's level

Collider). More than a quarter of that amount goes towards DoE's programme of wide-ranging research in basic energy sciences, which is asking for slightly less than it received this year.

The 1995 request includes money to begin construction of the Tokamak Physics Experiment facility for fusion research at Princeton University, as well as the Advanced Neutron Source at Oak Ridge National Laboratory in Tennessee. It also continues funding for a variety of physics projects, such as the Advanced Photon Source, the B-Factory at Stanford University and the Relativistic Heavy Ion Collider. Funding for DOE laboratories will remain about level, although some will absorb significant cuts.

In the area of nuclear energy, the department plans to terminate research on two types of reactors deemed to have no near-term commercial return — the Advanced Liquid Metal Reactor and Modular High-Temperature Gas-Cooled Reactor. The Actinide Recycle Program also will be terminated. But research and development work on light water reactors will continue.

Tony Reichhardt

EPA: bigger budget and more jobs

After taking criticism from environmentalists for cutting last year's budget for the Environmental Protection Agency (EPA), the Clinton administration is proposing to reverse this with an 8 per cent increase to \$7.2 billion — the largest request in the agency's history.

Funding for the EPA's Office of Research and Development would rise 7 per cent to \$570 million, with an increased emphasis on ecosystems research. The agency also plans to convert 900 contractor positions to government employee status in 1995; in a move to boost its in-house scientific and technical expertise in-house.

T. R.

NASA: science up

NASA will see its first real budget reduction since the early 1970s, with a request of \$14.3 billion. This is \$965 million less than last year's budget request, and \$251 million less than the final 1994 figure approved by Congress.

Proposed spending on the international space station remains at this year's level of \$2.1 billion, while space science rises very slightly (2.5 per cent) to \$1.77 billion. Funding for both aeronautics and human space flight would be reduced

from their 1994 levels.

Wesley Huntress, NASA's head of space science, says that this is "a good budget for us," with "no problems and no issues". Two large projects — the Cassini mission to Saturn and the Advanced X-Ray Astrophysics Facility (AXAF) — remain fully funded, as do two low-cost planetary projects, namely the MESUR Pathfinder Mars lander and the Near Earth Asteroid Rendezvous (NEAR) mission. In addition, NASA is asking for money for a continuing 'Mars Surveyor' programme, which would send spacecraft to Mars once every two years.

NASA's funding request for the Earth Observing System and its related data network jumps by 46 per cent to \$740 million as the project gets closer to its first launch in 1998, while funding for life sciences and microgravity research are reduced. The agency's Advanced Concepts and Technology office gets a healthy increase, from \$495 million to \$608 million. Of that amount, \$48 million is requested for advanced small satellite technology — four times this year's amount.

T. R.