"THE choice before mankind is a very simple one: nuclear disarmament or oblivion. In the absence of disarmament, more and more nuclear weapon powers will emerge. A limited nuclear war will eventually break out which may well escalate to a strategic The unchanged figure however, disnuclear exchange between the super- guises a disturbing trend: "The share powers and extinguish our civilisation. of world military expenditure absorbed The nuclear paradox is Man's total by the United States, the Soviet Union, inability to cope with the obvious, even France and the United Kingdom, taken when it is a matter of life and death together, has declined from 82% in for the human race." With these words 1955 to 70\% in 1973. This does not Dr Frank Barnaby, Director of the reflect a reduction in the military cap-Stockholm International Peace Re- ability of these four countries but search Institute (SIPRI), justified the rather indicates the magnitude of the pessimistic outlook of the Institute's increase in militarisation elsewhere." Yearbook 1974 recently published in India's recent nuclear explosion illus- fact that enormous resources are be-Stockholm. Like its four predecessors, trates this only too well. this yearbook is about armaments and disarmament. After surveying the state year books is that they relate all the advanced to allow the destruction of a of the armed world and the develop-happenings of a year, putting the portion of the enemy's strategic ments affecting it during 1973, the events hailed as political milestones in nuclear submarine force. On the tactiinstitute restates its commitment to perspective beside continuing world cal level, it has been suggested that general and complete disarmament as trends. Amidst the triumphant conclu- accurately delivered low yield nuclear the only possibility for survival.

to expect the authoritative and sober- forecasts of its effect on future oil ing picture which emerges from this deliveries, for example, it is easy to to this proposal because "it is of parayearbook as from the institute's many overlook what is happening in other mount importance that an absolute other publications. It comes as no sur- parts of the Middle East. The Persian prise to read that "... by the end of Gulf is a critically important area for tween nuclear and conventional war". 1973 there was still little evidence that the shipment of oil. In recent years, the degree of disorder in international the countries bordering the Gulf have, sises its basic commitment to effective affairs was decreasing". The bright according to the yearbook, dramati- disarmament as the only sure way of spots of the year fall into place as cally increased their military expendiacts of political necessity which have tures. Iran and Saudi Arabia have led spite of the facts that the yearbook is done nothing to stop the proliferation the way. Over the decade 1963-1973 aimed largely at governments and that of conventional weapons or the con- the average annual rate of increase of the institute is well aware that 'distinuing pressures towards technological military expenditure in these countries armament' is a dirty word in many refinement of both conventional and was 23%. During 1973, Iran had out- government circles. The official intolernuclear arms.

THE US House of Representatives voted last week to kill the Large Space Telescope (LST)-one of the most important astronomy programmes being planned for the 1980s-by deleting funding for the project from NASA's budget. If the Senate follows suit, NASA will have to revamp the project and come up with a cheaper option, but according to congressional sources, it is likely that the Senate Appropriations Committe will restore at least some of the money to keep LST alive.

NASA had asked for some \$6.2 million for the 1974-75 fiscal year for planning and design of the LST, before moving into the development phase. But the Appropriations Committee recommended that the money should

SIPRI pulls it all together

The peculiar value of the SIPRI sion of the Israeli-Syrian disengage- weapons should replace the higher SIPRI readers have by now learned ment agreement and the optimistic yield nuclear weapons now deployed, standing orders for about 800 Chieftain ance of disarmament detracts from the In 1973 the world spent \$207,000 main battle tanks, 250 Scorpion light practical value of the Yearbook's million on arms, of which \$20,000 tanks, more than 200 F-4E/F-5E solution, for history shows that polimillion was for military research and fighter aircraft and nearly 500 heli- tical will is essential for negotiated development. Since 1968 world military copters, including about 200 Sea Cobra progress in any direction. In going expenditure has been constant at about gunships armed with the latest US against the stream, SIPRI is not merely this level; therefore the latest figure anti-tank missiles. The prospect of the being politically naive. It is attesting represents a slightly lower proportion Gulf countries being armed to the to the fact that it sees no middle way of world GNP now than it did then. teeth and about to wield such influence between disarmament and annihilation.

over oil shipments may well make us rethink the current relief over developments in another part of the Middle East

Current nuclear events make the vearbook's discussion of nuclear policies particularly interesting. The statement on January 10 by the United States Secretary of Defense that the United States would in future pursue a counterforce strategy is interpreted by SIPRI as a justification for continuing the development of weapons for whose future deployment the doctrine of 'mutual assured destruction' provided no rationale. Of particular concern is the ing devoted to antisubmarine warfare technology, which is already sufficiently particularly in Europe. SIPRI objects 'firebreak' should be maintained be-

It is surprising that SIPRI emphalessening threats all over the world, in

LST in danger

be denied this year and that "A less expensive and less ambitious project be considered as an alternative." The recommendation was approved by the House itself last week when it voted on NASA's budget.

A 120-inch optical telescope, the LST would be about 100 times more powerful than the largest ground-based instruments now in operation. It would be launched in the early 1980s-probably in 1981-by the space shuttle and it would be periodically serviced and upgraded during its 15-year lifetime. It has been enthusiastically endorsed by the Space Science Board of the

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National Academy of Sciences but the House Appropriations Committee was evidently concerned at the large estimated costs of the project-between \$200 and 300 million.

Now that it has been approved by the House, NASA's budget must be considered by the Senate. The Senate Appropriations Committee is likely to report out a bill later this month and if the full Senate does eventually restore funding for the LST, the matter would have to be resolved by a House-Senate conference committee. Congressional sources predicted that the funds would be approved by the Senate and agreed to by the conference committee, but the outcome at this stage is far from certain.