Panel asks peace forces

(Continued from Page 1)

need to reduce risk of nuclear reactions in the sun, especially solar storms which disrupt radio communications. Needed financial support could be appropriated from military budgets.

Non-proliferation

On nuclear weapons: "a non-proliferation pact; pledges by the nuclear powers not to attack or threaten to attack a non-nuclear nation, defense guarantees for non-nuclear nations, a U.S.-British-Soviet treaty to cease production of nuclear materials, and the creation of nuclear-free zones in Latin America, Africa, and the Near East." The non-proliferation, though, holds top priority.

On European security: a non-aggression pact between NATO and the Warsaw Pact Organization; a U.S. effort "to ensure that measures to improve Western security do not result in the creation of new nuclear forces"; and an exploration of the possibility of "steps which would help lead to German reunification."

Limiting delivery capability

On the total weapons race: the "limiting of the strategic delivery capabilities on both sides, including a freeze on the number of delivery vehicles, followed by a cut...and a moratorium on the deployment of antiballistic-missile defenses."

In the arms race among under-developed nations: the U.S. should seek "to have controls established over the traffic in arms," to get regional non-aggression agreements and to get "U.S.-supervised agreements about sale and acquisition."

A UN monitoring system should be established. The major powers should "provide security for the less-developed nations," as supervised by the establishment of UN peacekeeping procedures.

Thus the strength of the United Nations is of supreme importance in the recommendations. Neither Dr. Wassen nor anyone can accurately speculate on their estimated success. But they do offer a sensible beginning.

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MIT satellite to orbit the sun

Y ears of research by Prof. John V. Harrison and other members of the MIT Center of Space Studies have culminated in a new solar orbiter labeled Sunblazer. The purpose of this project, supported by funds from the National Aeronautics and Space Administration, is to discover information on the thermo-nuclear reactions in the sun, especially on the corona. It will also shed light on the "magnetic storms" which disrupt radio communications on earth.

To follow each orbit

The 40 pound project will be put into a solar orbit on the opposite side of the sun from Sunblazer. It will make small scout orbits. It will take 18 months for the satellite to get to the other side of the sun, after which it will make one revolution every nine months. Thus, for about 250 days, scientists will be able to gather data gleaned from the signals of two different frequencies beamed through the sun by Sunblazer. The difference between the arrival of the signals will give scientists the density of the corona.

A great deal of work went into the development of the communications system necessary to receive and analyze the data transmitted. MIT's proposal to rejoin "worth looking into."

On Campus Interviews for Professional Career Programs March 1, 2

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