

In early February, it was discovered that the Stanford Research Institute was using the University's Computation Center to develop helicopter assault plans for an amphibious invasion.

The computer program, entitled GAMUT-H, was described at a community meeting on the evening of February 8 and in the Stanford Daily the next day. The program was written and run by Andrew Grant, a member of SRI's Transportation and Logistics Department, under a continuing contract between the Defense Department's Office of Naval Research and SRI's Naval Warfare Research Center.

Grant's program is a computer simulation of an amphibious invasion, designed for optimum speed and efficiency in the deployment of helicopters, troops, and artillery from amphibious assault ships. The finished computer program could be used to direct an actual military operation.

Three types of ships and six types of helicopters are used in the simulated invasion. The ships are amphibious assault vessels, used to transport and land troops, helicopters, and supplies in an amphibious invasion. Three of the helicopters are used in combat to transport artillery, ammunition, and supplies; two primarily carry troops; and one is a gunship--a flying tank. All but one of the helicopters are currently used extensively throughout Indochina.

As indicated by parameters in the program, GAMUT-H dealt with variables such as "penetration distances," helicopter capacities and speeds, travel time to "beach area," and "priority given to personnel and artillery."

GAMUT-H is but one of many SRI "war games." In The Bomb and the Computer, Andrew Wilson reports that SRI has "major programs involving the use of war games in anti-ballistic missile defense, air defense, naval warfare, and unconventional (i.e., counter-insurgency) warfare." SRI programs in counterinsurgency have been extensively applied in Thailand.

On February 9 the Inquisition issued a set of demands relating to the usage of University facilities and the University's complicity in the War. The next day Provost Miller announced in response to the demands that a list of the users of the Computation Center would be made available to the Stanford Community. It was also reported that SRI, having determined that it had violated its contractual agreement with the University, had decided to terminate its usage of the University's Computation Center. At a meeting Wednesday evening of the Committee on Research of the Academic Senate, Earl Cilley, Stanford Vice President for Research, discussed SRI's War Game. He indicated that this project, which was directed toward formulating assault plans for amphibious warfare, fell within the existing University guidelines for acceptability of research projects. Furthermore, Cilley acknowledged that under the existing research policy, the war game could be conducted by a Stanford University researcher in a Stanford University laboratory.

At a meeting of the Academic Senate on February 18, it was reported that Professor Van Dyke of Aero and Astro had attempted to obtain a copy of a report on Grant's work from SRI. After being told by the SRI librarian that the document had restricted ac-

distribution, Professor Van Dyke asked Grant himself for a copy, but was refused. Professor Ashley of Aero and Astro reported that a Naval agency must give permission for an individual to read the document. The document control placed on Grant's report demonstrated a clear violation of the University's guidelines for usage of the Computation Center.

At this same meeting of the Academic Senate, Provost Miller implied that Grant's work could not possibly be classified, since the University Computation Center is not a classified facility. This intimation was grossly misleading; for it is not at all uncommon in the defense industry for the results of an unclassified computer program to be published in a document classified secret or top-secret.

Thus it is possible for a defense contractor to utilize the Computation Center in connection with a classified project without violating Defense Department security regulations. In these cases, whether or not the campus research policy is violated depends, according to Provost Miller, on the "integrity" of the user. The integrity of the Stanford Research Institute proved worthless.

Currently at least three companies engaging primarily in defense work are using the Computation Center. Varian Associates and Teledyne Microwave Electronics produce essential parts for the electronic warfare systems that make possible the current "protective reaction" bombing raids against North Vietnam. Litton Industries produces communications equipment used extensively by the U.S. military throughout Indochina.