

It is well-established that Stanford University receives millions of dollars each year from the Department of Defense. The precise sum is unclear (Stanford gives a smaller figure than the Defense Department), but it is over \$15 million. While much of this money pays for "basic research," having no present-day application, a good deal goes for "applied research," some goes for classified research.

But to merely cite specific contracts is to miss the full impact of the university's relationship with the military. Not only does the big green hand of the Department of Defense ~~play a large part in its~~ influence, if not directly, ~~university~~ the university, but because military research plays a significant part of ~~or~~ student's education, it leads him into that type of work as his career. The University channels its students into certain career areas. Strangely enough, many of these careers support the war machine.

The Electrical Engineering department at Stanford has been for years, tops in the country. ~~It is~~ This department ~~that~~ provides the clearest portrait of the university as part and parcel of the military establishment. ~~And~~ ~~Non~~ could ~~have~~ a clearer picture of this relationship than Provost Emeritus Frederick Terman, the man most responsible for building the E.E. Department and a man who has served the military well, on numerous advisory boards. In a speech he gave almost five years ago (May 27, 1963 to the Palo Alto Chamber of Commerce and Rotary Club) he said, in reference to electronics research at Stanford:

"Industry has been able to make use of some of the products of this research. The University's faculty has provided a panel of consulting experts available to help local industry with its specialized problems--and on financial terms that make such assistance practical even for a small company . . . I contend that one of the most important contributions Stanford has made to the local electronics industry is our recruiting of graduate students in electronics. We bring the cream of the crop turned out by universities all over the country to the Peninsula. After these young people have lived here for a few years, and particularly if they are married, they naturalize very easy. Local companies therefore have a preferred position when it comes to hiring these very bright and highly skilled men when they complete their graduate training. The Peninsula can't lose on this kind of deal. It gives local industry an important edge in technical competence over its competition not so fortunately situated . . . The larger companies such as Hewlett-Packard, Varian, and Lockheed are all strongly technically oriented, are well-managed, and consistently run at a reasonable profit. Back of them are a group of smaller companies, with sales of a few million dollars a year. Such companies as Microwave Electronics, Granger Associates, Watkins-Johnson, and Precision Instruments have gotten past their birth period, are growing rapidly, making consistent profits, and are strong technically. Less conspicuous are literally dozens of very small companies, recently born . . .

While electronics around Palo Alto has a great and glamorous past, it also has an equally interesting future. This future will be based upon an advancing and very sophisticated technology which in the end is based on brains. As one of the nation's present centers of brains and electronics, and with Palo Alto and Stanford University to provide continuing nourishment, we can look confidently to an electronics future."

All this sounds innocent, until one studies exactly what the electronics industry is. Granger Associates, Metronics, and Microwave Electronics (now part of Telodyne) are local corporations ~~which are~~ heavily dependent on military contracts or sub-contracts. Varian has said that it ~~was~~ wanted to diversify (not for moral reasons) from its war-oriented business, but in its annual report, 1966, it said "It is axiomatic that all units of the company will respond to, and in many cases anticipate, the requirements of the national defense and space programs." The report continued, "Today Varian products are at work in airborne and ground-based military communications systems in Vietnam." Lockheed, primarily an aircraft manufacturer, has received military contracts over a billion dollars ~~a year~~ for the past few years. In 1966, 75% of the sales of Watkins-Johnson went for Space and "Defense." (Standard and Poors). "Applied Technology, Incorporated, ~~XXXXXX~~ (says a January, 1967 prospectus) is engaged in the business of developing, manufacturing, and marketing electronics countermeasures systems and systems components and certain other electronic systems and systems components . . . A major portion of ATI's business is classified for national security programs." The list goes on and on. With the development of equipment for the "Great Wall of Vietnam" and the "highway in the sky" navigation system (which allows a pilot to bomb without seeing where) one gets the idea that electronics in America means a little more than doorbells and color TV's.

united
+ maybe
American

The military-electronics industry in Palo Alto ~~XXXXXXXXXXXX~~ grew from the ~~XXXXXXXXXXXX~~ Electrical Engineering department at Stanford. But our university has helped in other ways. To make that growth ~~even~~ more natural, it leased land to each of the above-mentioned corporations, creating the Stanford Industrial Park. The nearness of the industrial park to the main campus has strengthened the ties between the ~~XXXX~~ campus and the corporations, with mutual financial reward. Stanford's industrial park, while representing Stanford's cooperation with business, ~~should not be mistaken for~~ a military enclave. Syntex, a chemical firm known for its contribution to the field of birth-control, was ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ helped by Stanford, ~~XXXXXX~~ for like Microwave and Varian, it grew out of Stanford science. It is no accident, however, that most corporations that grow out of the Stanford Community do extensive military work.

~~and~~ We can expect little change from within the University. All administrative posts dealing with research are held by men who have worked for the Department of Defense or consult for war corporations. The advisory council of the Engineering school is made up of military-industrial businessmen. The Academic Council has refused to act,

* Include us as an appendix?

largely because a large number of professors, holding government grants, fear either government reaction or an inquisition which could someday reach them. One cannot expect such men to take a critical position. And less can be expected from the trustees, which include Hewlett, Packard, Watkins, and many others with war corporation connections. It would be unfair to assert that all these men favor the war. But they do favor the development of the electronics industry, regardless of whether it serves war or peace. In American society, those institutions which serve war develop much easier than those that serve peace. There is not neutral stance.

IT IS FROM THIS PERSPECTIVE THAT WE MUST VIEW RESEARCH ON CAMPUS IN ELECTRONIC COUNTERMEASURES, AERODYNAMICS, CODES, MATERIALS, AND EVEN APPLIED STATISTICS. THE FACT THE ERL (Electronics Research Laboratories) IS DESIGNATED A "DEFENSE FACILITY" AND ~~THE CAMPUS IN THE AEE (Applied Electronics Lab) IS A GUARDED, CLASSIFIED AREA~~ DOES NOT REPRESENT THE INVASION OF THE CAMPUS BY THE MILITARY. IT REPRESENTS THE CONSCIOUS DIRECTION OF THE UNIVERSITY. STANFORD UNIVERSITY, AS SEEN BY MANY OF THE MEN WHO RUN IT, IS A KNOWLEDGE FACTORY FROM WHICH LOCAL INDUSTRY DRAWS ITS BRAINPOWER. STANFORD DIRECTS THAT BRAINPOWER INTO WHAT IS ~~ENTIRELY~~ THE MOST PROFITABLE BUSINESS. CURRENTLY, THAT BUSINESS IS WAR.

We demand a new course for the University.
We recognize that not all research done at Stanford is bad.
We realize that it is possible for a limited number of engineers and scientists to leave the narrow channels of military research.
We also realize that outside pressures, such as the draft, and industry itself are largely responsible for the direction of science in American society.
We do not see our actions as an attempt to create an ivory-tower, military-free university.
We want to stop war research.

Today Stanford! Tomorrow Palo Alto!

Rally in White Plaza--noon Friday--April 26

~~March to the AEL (Applied Electronics Lab) at 12:15~~