

This is the text of the prepared remarks by Provost William F. Miller delivered on campus radio station KZSU, on February 16, 1971.

I am pleased to have this opportunity to talk with you. First, I would like to develop a few points and present some facts before moving to a question period. Although my responsibilities now cover a much broader area, tonight I shall talk principally about academic research and the use of Stanford facilities. In addition, I will discuss new research projects currently extant at the University and new opportunities in the foreseeable future.

We live in an integrated society--one where the relationships among government, business and industry and the universities are very strong. These interdependencies, depending upon one's perceptions, have both beneficial and harmful effects and make it very difficult for us to determine long-range impacts of our particular actions.

Our national efforts, both domestic and foreign, are built upon an intellectual edifice. That is, the success of a health care delivery system depends upon literacy, medicine, communications and so forth. The success of an army also depends upon literacy, medicine, communications as well as weapons. Much of our "success" toward both goals

derives from the same intellectual base.

To the extent that our national policy is directed toward a war effort, then practically everything all of us do is war-related. For example, my brother is a farmer and no doubt some of his crops feed the army. For those of us who oppose the war, our main effort must be directed toward changing national policies from war to peace.

Let me be clear: I do not believe that we can do without the military. I believe that we need a strong and sophisticated defense effort. I am, however, personally opposed to our current foreign policy and the manner in which our military forces are being utilized.

But, nevertheless, if the universities are so integrated into society, how do we decide our role, particularly in research areas? Are we simply to do the will of society, or may we have some impact on society? My answer is that we may considerably impact society through the acquisition of new knowledge and new perceptions in scholarship and research and by providing new concepts and new capabilities for people through teaching. Freedom of choice is the key ingredient in the way we make our contribution to society; our freedom to choose areas of research and subjects to be taught--one of the cornerstones of the University.

The concept and design of a research project springs from the thoughts of the faculty and/or students.

A proposal is prepared for submission to one or more funding agencies. Prior to submission the proposal is reviewed by his Department Chairman, the Dean of his school and at the University level to insure that research guidelines are met. Openness of research is a paramount guideline developed in 1969, and effectively prohibits proprietary research; thus, for example, barring classified research. We do not control the research itself, but rely upon the integrity of the faculty and students involved. Peer group judgement decides upon the quality of the research published. Proposals starting from the individual, openness, and peer group judgements are all factors that contribute to making certain that research has an intellectual content.

Now let me talk about the non-University use of Stanford facilities, including the Libraries and the Computation Center. We have a policy of openness in the use of our facilities consistent with the needs of our faculty, students and staff. The University Library, for example, has a number of subscribers to the Technical Information Service. This makes it possible for the subscriber to obtain the loan of reports, journals, books, or to obtain photostatic copies. We do not control the purposes for which our subscribers obtain any material, believing that would be incompatible with the open academic attitude. In fact, we go further; we refuse to disclose what materials a particular user obtains from the Library

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regardless of who asks the question. We have been asked such questions by Federal investigatory agencies and as a matter of policy have not provided the answers.

Regarding the Computation Center, we do state to the potential user that the work must be for educational or research activities and that the results must be freely publishable. We do not exercise tight controls, again relying upon the integrity of the user be he internal or external. We do not monitor the content of the usage of the machine believing that such actions would be incompatible with the academic openness of the University.

Let me now turn to a brief discussion of the new research directions at Stanford and the opportunities for funding. First, there has been a steady shift in the source of funding for research. For example, in 1960, 1965 and 1970, percentages of research support derived from the Department of Defense were: 62.8%, 28.1%, 19.2% respectively. *b 11 m down #2 m incl. class* For those same years, the percentages received from the Department of Health, Education and Welfare were: 16.3%, 23.6%, 23.4%. This shift arises because of a national decline in DoD research support coupled with an increased support for research in non-military areas.

Moreover, there has been a shift in the interests of our faculty and students into new research areas such as community development, environment, health care, medical support and so on. These shifts have been slow because it

is difficult to design a sound research and educational program in these areas. Funding has been growing slowly as well but it is important to point out that in the President's budget message just delivered a renewed emphasis has been made towards academic research support particularly from civilian agencies.

In closing my initial remarks, I would like to say that I believe the time is right for members of the Univeristy community to dedicate themselves to major new efforts on problems of our society. Change has been occurring more rapidly than I would have ever hoped and I believe the funding opportunities that will permit working in these new directions are being made available, the rest is up to us.