

NEWS

THE UNIVERSITY OF TEXAS
SOUTHWESTERN
MEDICAL SCHOOL AT DALLAS



BOB FENLEY, DIRECTOR OF INFORMATION

JOHN WEEKS, ASSOCIATE DIRECTOR

DALLAS--Heart researchers at The University of Texas Southwestern Medical School have received a new grant of \$202,618 for further exploration of "human Adaptation to environmental and exercise stress."

The award, from the National Heart and Lung Institute of the Department of Health, Education and Welfare, continues a project begun in 1968 under which researchers have examined the effects of exercise on widely varying sets of persons--from the sedentary blind to professional football players.

One of the more important findings has been that certain regular forms of exercise could increase cardiovascular efficiency by as much as 20 per cent in certain individuals.

A current project in the Weinberger Laboratories for Cardio-pulmonary Research involves tests of patients with angina pectoris--people whose activity is limited because of heart pain. Effects of number of drugs and surgical procedures--such as coronary ^{jump} ~~jap~~ grafts--are being examined.

Other laboratory projects involve basic studies of the geometry of heart movement, heart preservation and effects of isometric exercise on the cardiovascular system.

Principal investigator for the latest grant is Dr. Jere H. Mitchell, who will return to UTSMS in September after a year's leave of absence to study at Oxford, England.

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