GRADUATE RESEARCH CENTER OF THE SOUTHWEST

NSF MAKES ONE-YEAR FUND GRANT OF $45,400 TO GRCSW:
EARTH-INTERIOR STUDY COMPARES COMPUTER SEISMOGRAMS TO ACTUAL

The National Science Foundation announced this week a one-year grant of $45,400 to the Graduate Research Center of the Southwest for support of a study of physical properties of the material in the Earth's interior, using seismic data.

Prof. Landisman, Geosciences Division of the Center, is the principal investigator for the study.

"Several times in the past few years, modern, highly-sensitive seismographs all over the world have recorded vibrations for many days after occurence of major earthquakes. The Earth 'rang' or vibrated the way a huge bell continues to vibrate freely for some time after a strong blow, " Prof. Landisman explained. The study at the Center will compare these and similar seismic observations with the results of theoretical studies, using high-speed digital computers.

"Some of these studies have already used quite realistic spherical Earth models for calculations of theoretical seismographs which show remarkable similarity to recordings of distant shocks, " Prof. Landisman stated. Prof. Landisman has collaborated on previous studies with Visiting Professors Yasuo Sato and Tatsuo Usami, from the Earthquake Research Institute of the University of Tokyo, who spent short periods at the Center during the past year.

PROF. LARRY MARSHALL, GRCSW, NAMED COUNCILOR FOR TESTING SOCIETY

Prof. Lauriston C. Marshall, chief of the Office of Scientific Personnel of the Graduate Research Center of the Southwest, has been named North Texas District Councilor for the American Society for Testing and Materials.

Prof. Marshall helped form the Society's Materials Research Division and has served on committees in fields of high-temperature research, ferrous alloys, and fatigue studies during his long-time membership in the Society.