



ED74 MASS MEASUREMENT TECHNOLOGY EXPERIMENT

- OBJECTIVE
 - DEMONSTRATION OF THE METHODS OF MASS MEASUREMENT UTILIZED ON BASELINE SKYLAB SYSTEMS
- IMPLEMENTATION
 - A SIMPLE CANTILEVERED BEAM, SUPPORTING A LUMPED MASS AT ONE END, IS SET INTO OSCILLATION. THE FREQUENCY OF OSCILLATION IS A FUNCTION OF THE BASIC BEAM PROPERTIES AND THE LUMPED MASS. EXPERIMENT DATA WILL BE GATHERED IN ORBIT USING THE 16-mm DATA ACQUISITION CAMERA. IT IS ALSO PLANNED THAT THIS EXPERIMENT WILL BE A PART OF THE EDUCATIONAL TELEVISION PROGRAM. HARDWARE IS REQUIRED
- EXPERIMENT SUBMITTED BY VINCENT W. CONVERSE, 18, 12th GRADE, HARLEM HIGH SCHOOL, ROCKFORD, ILLINOIS
- SCIENCE ADVISORS
 - JOHN B. MacLEOD, NASA-JSC
 - ROBERT R. HEAD, PH.D., NASA-MSFC