



INSTRUMENTATION  
TECHNOLOGY  
ASSOCIATES

# Experiments on MDA Minilab aboard CONSORT 1 Sounding Rocket Flight

<u>Experiment</u>	<u>Principal Investigator</u>	<u>Institution or Company Affiliation</u>
1 <i>Effect of Low g's on Solid-liquid diffusion</i>	Mr. Mike Fiske	Teledyne Brown Engineering
2 <i>Sonovial Fluid Studies</i>	Mr. Bill Vardaman Dr. Ronald Burgess Dr. Dennis Morrison	RANTEK University of Kentucky NASA JSC
3 <i>Collagen Polymerization</i>	Dr. Marv Luttges	Bioserve Space Technologies The NASA Center for Commercial Development of Space (CCDS) at the University of Colorado-Boulder
4 <i>Fibrin Clot Formation</i>	Dr. Louis Stodieck	Bioserve CCDS
5 <i>Cell fixation</i>	Dr. Roy Hammerstedt	Penn State University CCDS/ Department of Biochemistry
6 <i>Effect of Low g's on Inorganic crystal size</i>	Dr. Martin Schoonen	SUNY Stony Brook, Department of Earth & Space Sciences
7 <i>Protein Crystal Stability</i>	Mr. John Cassanto & Dr. Rich Korzun	ITA University of Wisconsin-Parkside Department of Chemistry
8 <i>Effect of Low g's on Turbulent mixing</i>	Dr. Paul Todd	National Institute of Standards and Technology (NIST), Center for Chemical Technology
9 <i>Electrophoretic transfer</i>	Dr. Paul Todd Dr. Raghu Rao	NIST
10 <i>Capillary Flow Studies</i>	Dr. Paul Todd	NIST
11 <i>Phase Rearrangement</i>	Dr. Paul Todd	NIST
12 <i>Phenytoin Precipitation</i>	Dr. Subhas Sikdar Dr. Alan Randolph	NIST University of Arizona Department of Pharmacology
13 <i>Ceramic membrane Casting</i>	Dr. John Pelligrino	NIST
14 <i>Nafion Membrane Formation</i>	Dr. John Pelligrino	NIST
15 <i>Chitosan membrane formation</i>	Dr. John Pelligrino	NIST
16 <i>Cellulose Acetate Membrane Formation</i>	Dr. John Pelligrino	NIST
17 <i>Polysulphone Membrane Formation</i>	Dr. John Pelligrino	NIST