

THE MARTIN COMPANY, DENVER DIVISION

Facilities and Equipment - Space Medicine Section

The Space Medicine Section is presently housed in a temporary laboratory having a total area of approximately 1000 sq.ft. The laboratory is equipped with Fisher laboratory furniture. One third of this space is presently committed to the photosynthetic gas exchanger studies. Available major equipment includes the items listed in Enclosure 1. Available minor items include electric pumps, heaters, stirrers, flowmeters, thermistors, VOMAmeters and glass blowing equipment. A machine stop is available for construction of special equipment.

Construction will be initiated prior to December 15, 1958, on the Engineering Development Laboratory building. This 80,000 sq.ft. structure will have approximately 52,000 sq.ft. of laboratory space. The Space Medicine Section will occupy about 4,500 sq.ft. Because of the flexibility planned, additional space as required could be made available if dictated by contractual commitments. Occupancy of this facility is planned not later than November 1959.

Enclosure 1 - Major List of Available Equipment in Existing Space Medicine
Research Laboratory, Martin-Denver

<u>Quantity</u>	<u>Description</u>	<u>*Status Code</u>
1	Autoclave, Castle automatic double jacket, 30 in. x 50 in. interior	1
1	Fisher Fume Hood	1
1	Incubator, Bacteriological, Thelco Model 4	1
1	Refrigerator, 11 cu.ft.	1
1	Microscope, binocular, triocular, Spencer Microstar	1
1	Cooler, water bath, Sargent No. S-84890	1
1	Ainsworth automatic analytical balance	1
1	Beckman Zeromatic pH meter	1
1	Beckman Zeromatic pH meter	3
1	Sewall Model SS-4 high speed centrifuge with Szent-Gyorgi Blum continuous flow attachment	1
1	Eberbach recynocating shaker	1
1	Cenco Hynac Vacuum Pump	1
1	Virtis Homogenizer	1
1	Micro Scholander gas analyzer	1
1	Bausch and Lomb "Spectronic 20" Colometer	1
1	Precision water still - 3 gallongper hour	1
1	Beckman Oxygen Analyzer	1
1	Leeds and Northrup CO ₂ Analyzer	1
1	Bristol 12 Channel Strip Chart Recorder	2
1	Clinical microtome	3
1	Muffler furnace	3
1	Wide Field Stenoscopic Microscope	3

<u>Quantity</u>	<u>Description</u>	<u>* Status Code</u>
1	Freeze ^{es} Vacuum Oven	3
2	Nine Station Warburg Apparatus	3
1	Recording Hygrothermograph	3

*Status Code: 1-on hand; 2-on order, delivery anticipated before 30 January 1959; 3-approved and in purchasing.