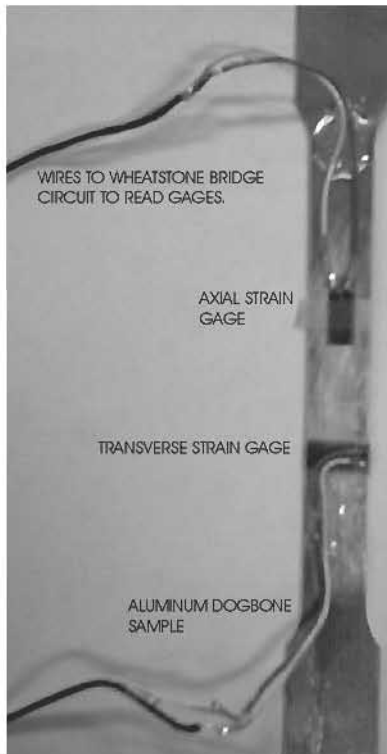
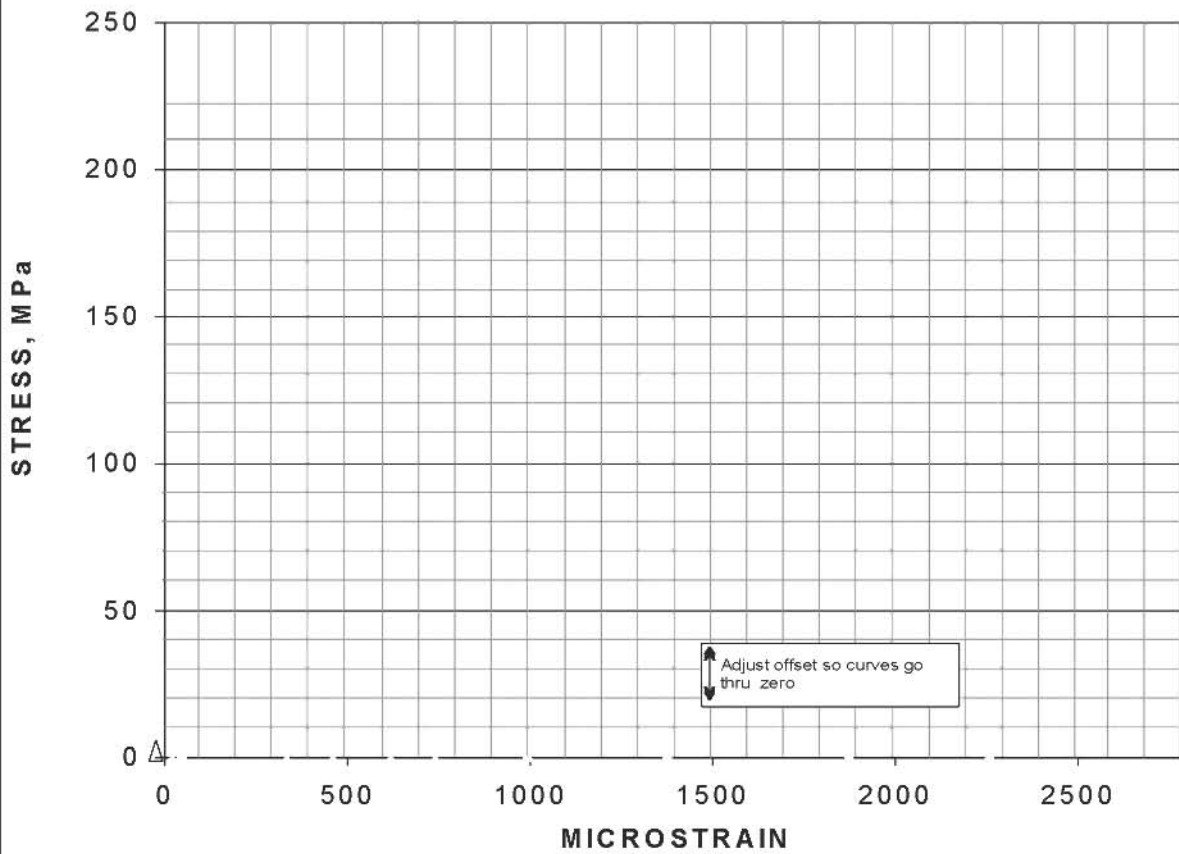


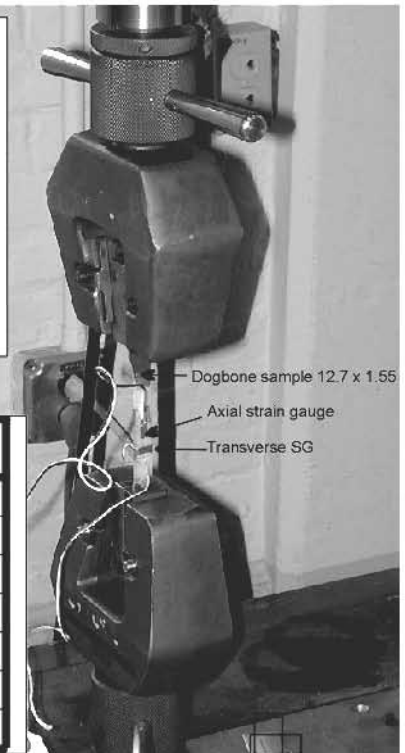
ELASTIC TEST OF 6061



TO SAVE TIME THIS STEP OF THE LAB PRACTICAL HAS BEEN DONE IN ADVANCE. THIS PROCEDURE IS DESCRIBED UNDER SECTION 3.1 OF THE LAB MODULE. USE THE FOLLOWING DATA. EITHER BY CALCULATIONS OR PLOTTING THE DATA, DETERMINE YOUNG'S MODULUS AND POISSON'S RATIO FOR THE SAMPLE OF 6061 ALUMINUM.

THE APPARATUS IS SETUP AT THE REAR OF ROOM 307 FOR VIEWING.

Sample	width 12.7 mm	thickness 1.55 mm	area 20-mm ²
$\mu\text{s-ax}$			$\mu\text{s-trans}$
		Load-N	stress-MPa
-31	1	30	
790	-264	1130	
1208	-391	1700	
1662	-530	2330	
2268	-718	3150	



DOGBONE SAMPLE WITH STRAIN GAGES MOUNTED

SAMPLE INSTALLED IN INSTRON MACHINE FOR LINEAR ELASTIC TESTING