

From R. J. Donnelly, "Experimental Superfluidity"  
 U of Chicago Press 1967

TABLE 12

Velocity of second sound in  $^4\text{He}$

T ( $^{\circ}\text{K}$ )	$\dot{u}_2$ (m/sec)
0.86	23.00
0.90	21.20
0.95	20.05
1.00	19.40
1.05	19.00
1.10	18.75
1.15	18.70
1.20	18.75
1.25	18.95
1.30	19.20
1.35	19.55
1.40	19.78
1.45	19.95
1.50	20.07
1.55	20.11
1.60	20.14
1.65	20.15
1.70	20.10
1.75	20.02
1.80	19.78
1.85	19.37
1.90	18.78
1.95	17.91
2.00	16.77
2.05	15.20
2.10	13.00
2.125	11.60
2.150	9.40
2.158	7.57
2.163	6.91
2.170	5.00
2.174	3.91
2.176	3.12

TABLE 6

Specific heat of  $^4\text{He}$

T $^{\circ}\text{K}$	$c_{\text{sat}}$ joule g deg	T $^{\circ}\text{K}$	$c_{\text{sat}}$ joule g deg	T $^{\circ}\text{K}$	$c_{\text{sat}}$ joule g deg
0.60	0.0051	1.20	0.322	1.80	2.80
0.65	0.0068	1.25	0.410	1.85	3.19
0.70	0.0098	1.30	0.516	1.90	3.63
0.75	0.0146	1.35	0.634	1.95	4.27
0.80	0.0222	1.40	0.780	2.00	4.95
0.85	0.0343	1.45	0.944	2.05	5.82
0.90	0.0510	1.50	1.127	2.10	6.92
0.95	0.0743	1.55	1.330	2.15	8.61
1.00	0.1042	1.60	1.572	2.18	11.6
1.05	0.142	1.65	1.83	2.186	14.3
1.10	0.191	1.70	2.11		
1.15	0.250	1.75	2.46		