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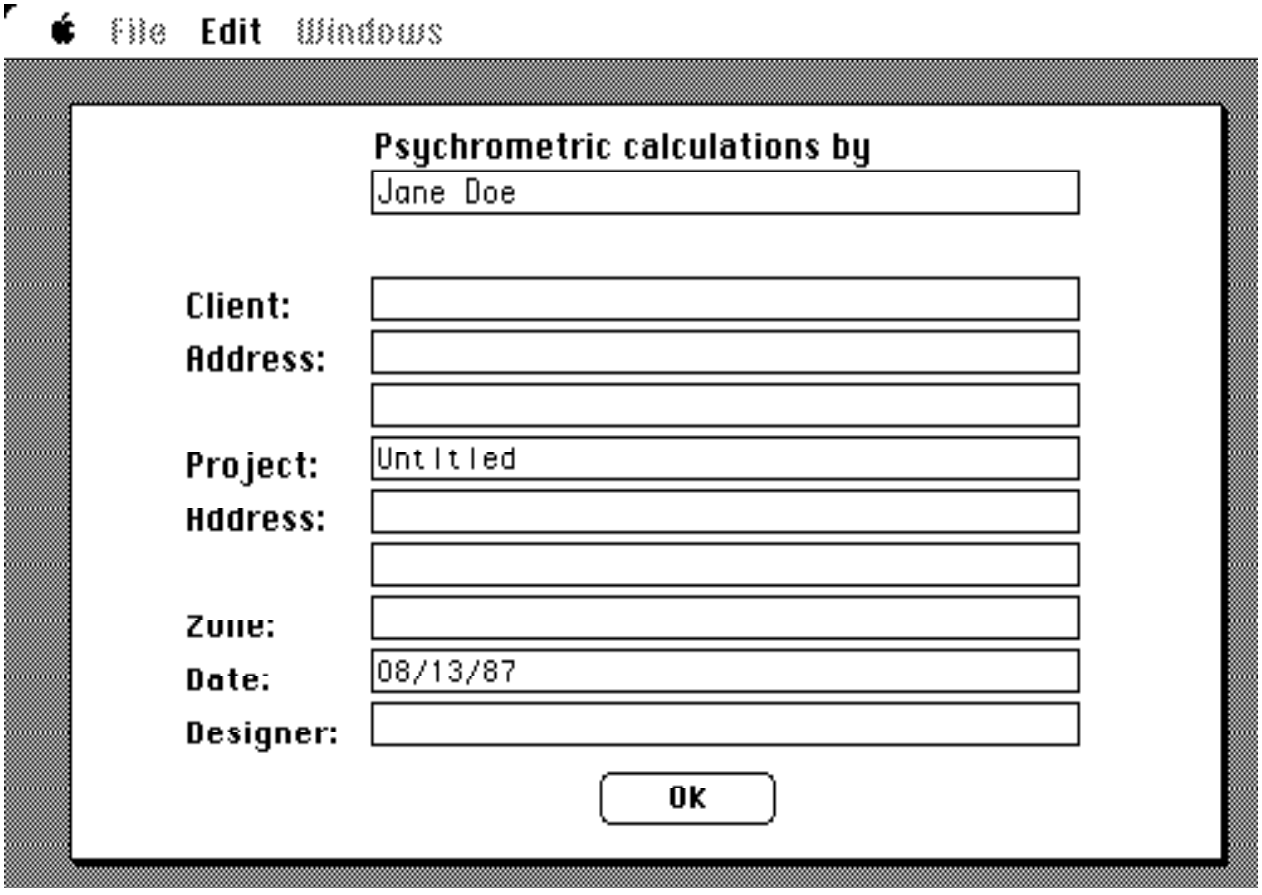
PsychroMouse provides a grahically oriented way to speed up the process of calculating psychrometric properties. Enter design parameters-outside air volume, room exhaust air volume, room return air volume, sensible cooling load, and altitude-quickly and easily. Room and outside temperatures (drybulb and wetbulb) are entered by clicking on a psychrometric chart. Within seconds, eighteen psychrometric properties are computed for room air, outside air, entering air and leaving air. The psychrometric chart and a table of computations may be printed. Adjustments for altitude are made automatically.

PsychroMouse works on Macintosh 512K and later models. The disk is not copy protected and upgrades will be provided to registered owners for the cost of media and shipping. The list price of PsychroMouse is $79.95. TechWare, Inc. also offers a program, HVAC, which provides a rapid means for computation of heating and cooling loads per the methods described in the ASHRAE GRP 158 manual. The list price of HVAC is $395.

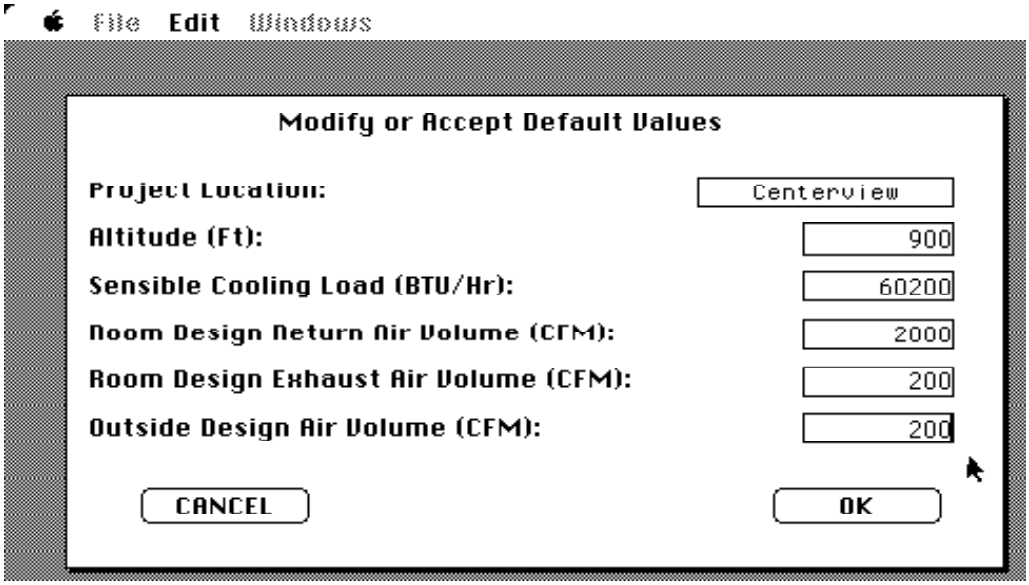
For more information, write TechWare, Inc., 806 Forest, Olathe, Kansas 66061 or call (816) 782-1249.

The open, save and print functions of PsychroMouse are disabled in the demonstration version. Additionally, the input parameters (altitude, cooling load, and cfm's) are preset.

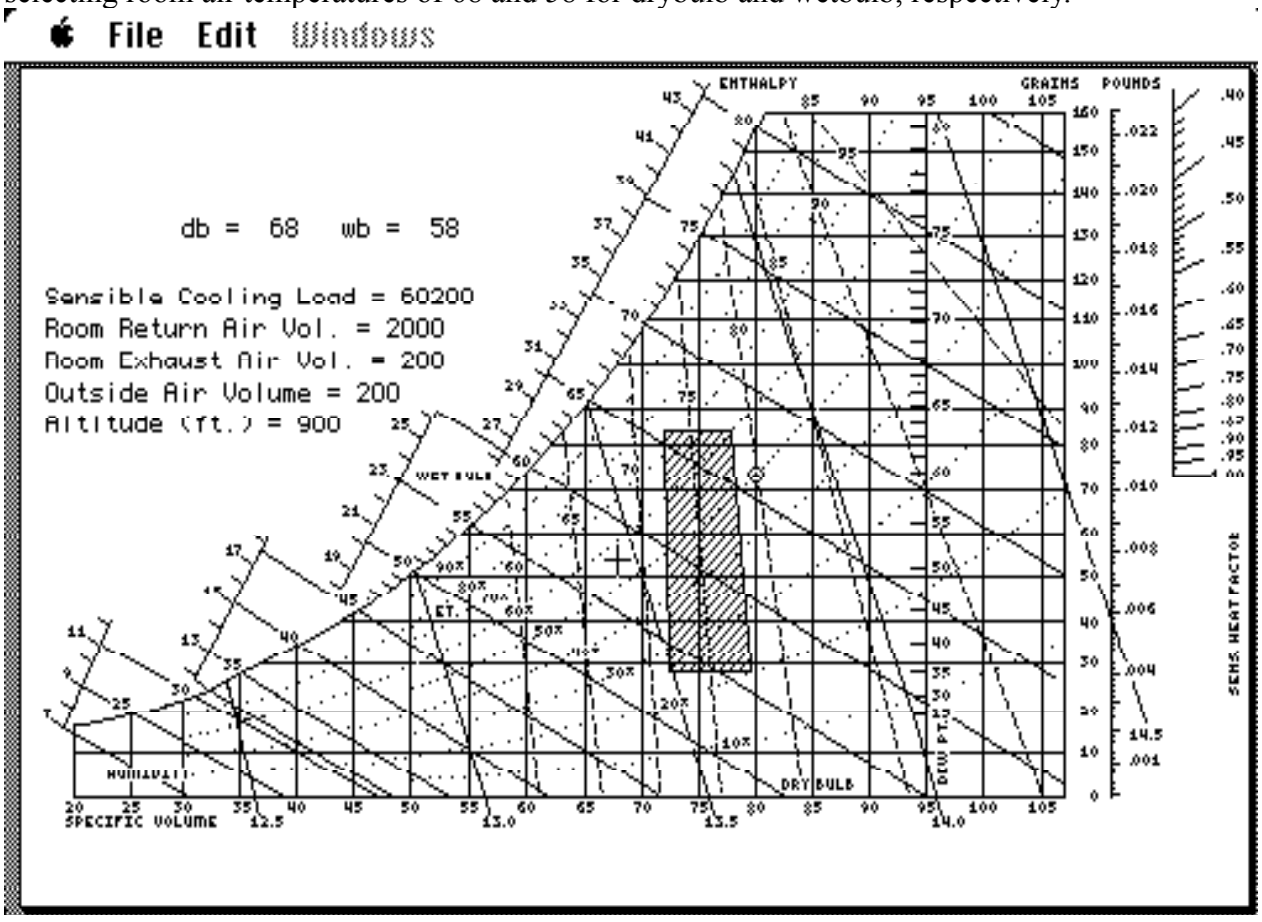
To operate the program, double-click on the application icon as is generally done with Macintosh programs. Choose New from the File menu in order to activate the Windows menu. Ordinarily, Project Information is next chosen from under the Windows menu.



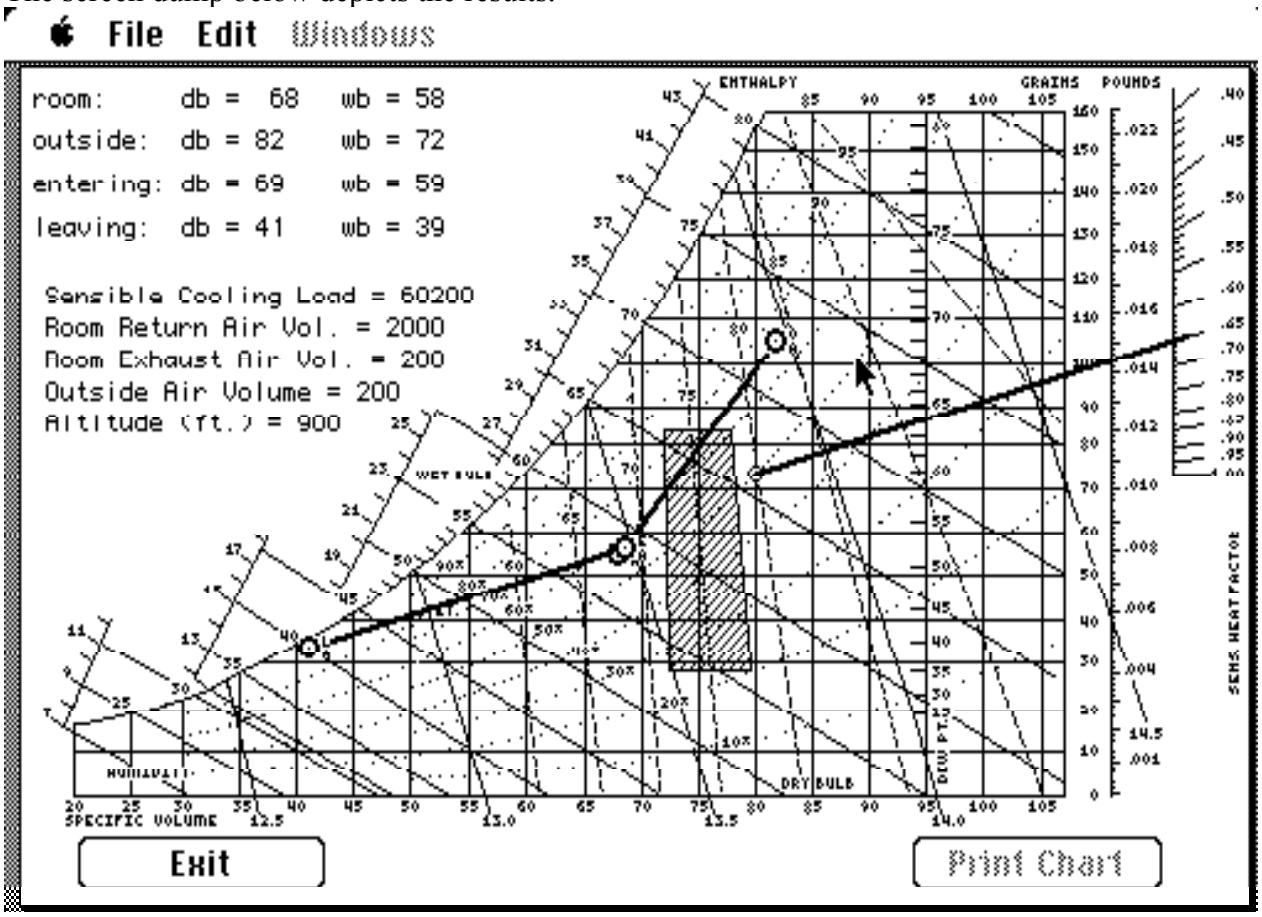
Project parameters are defined by choosing the Project Parameters item under the Windows menu. The default values may not be changed in the demonstration version of PsychroMouse.



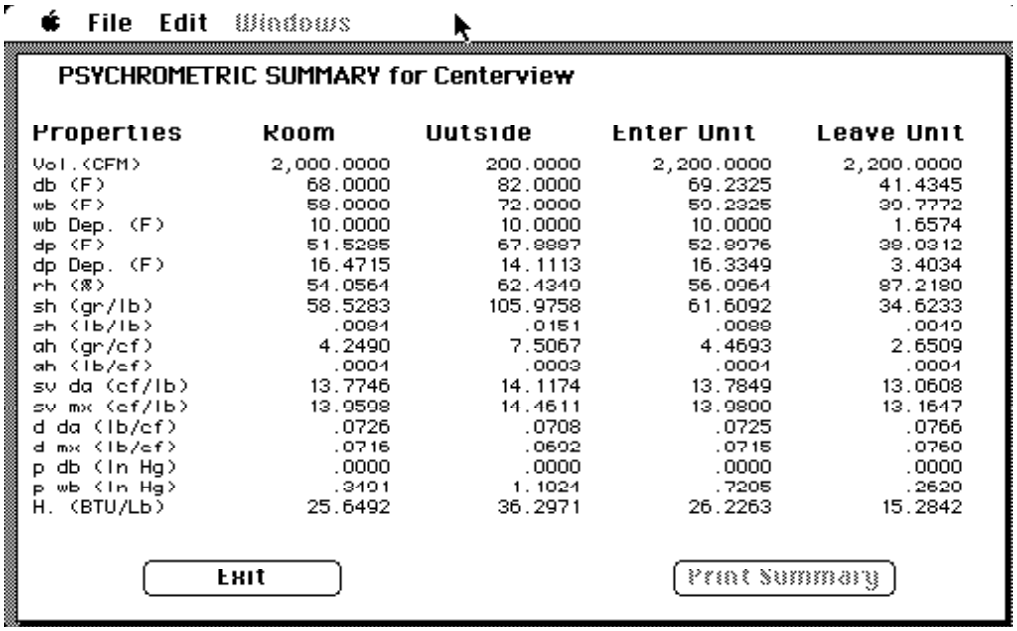
The main function of the program is activated by choosing Psychrometric Chart from under the Windows menu. A psychrometric chart is displayed for the user to select drybulb and wetbulb values of room and outside air. The screen dump below shows the chart with the cursor in the position for selecting room air temperatures of 68 and 58 for drybulb and wetbulb, respectively.



Clicking results in selection of the temperature and placement of a marker. Next the drybulb and wetbulb temperatures of outside air are selected by clisking on the appropriate position on the chart. The screen dump below depicts the results.



The reduced-size screen dump below illustrates the display following selection of the Psychrometric Summary choice under the Windows menu.



Properties	Room	Outside	Enter Unit	Leave Unit
Vol.(CFM)	2,000.0000	200.0000	2,200.0000	2,200.0000
db (F)	68.0000	82.0000	69.2325	41.4345
wb (F)	59.0000	72.0000	59.2325	39.7772
wb Dep. (F)	10.0000	10.0000	10.0000	1.6574
dp (F)	51.5295	67.9997	52.9976	38.0312
dp Dep. (F)	16.4715	14.1113	16.3349	3.4034
rh (%)	54.0564	62.4349	56.0964	97.2180
sh (gr/lb)	58.5283	105.9758	61.6092	34.6233
sh (lb/lb)	.0084	.0151	.0088	.0049
ah (gr/cf)	4.2490	7.5067	4.4693	2.6509
ah (lb/cf)	.0001	.0003	.0001	.0001
sv da (cf/lb)	13.7746	14.1174	13.7849	13.0608
sv mx (cf/lb)	13.9598	14.4611	13.9800	13.1647
d da (lb/cf)	.0726	.0708	.0725	.0766
d mx (lb/cf)	.0716	.0692	.0715	.0760
p db (In Hg)	.0000	.0000	.0000	.0000
p wb (In Hg)	.3191	1.1021	.7205	.2620
H. (BTU/Lb)	25.6492	36.2971	26.2263	15.2842