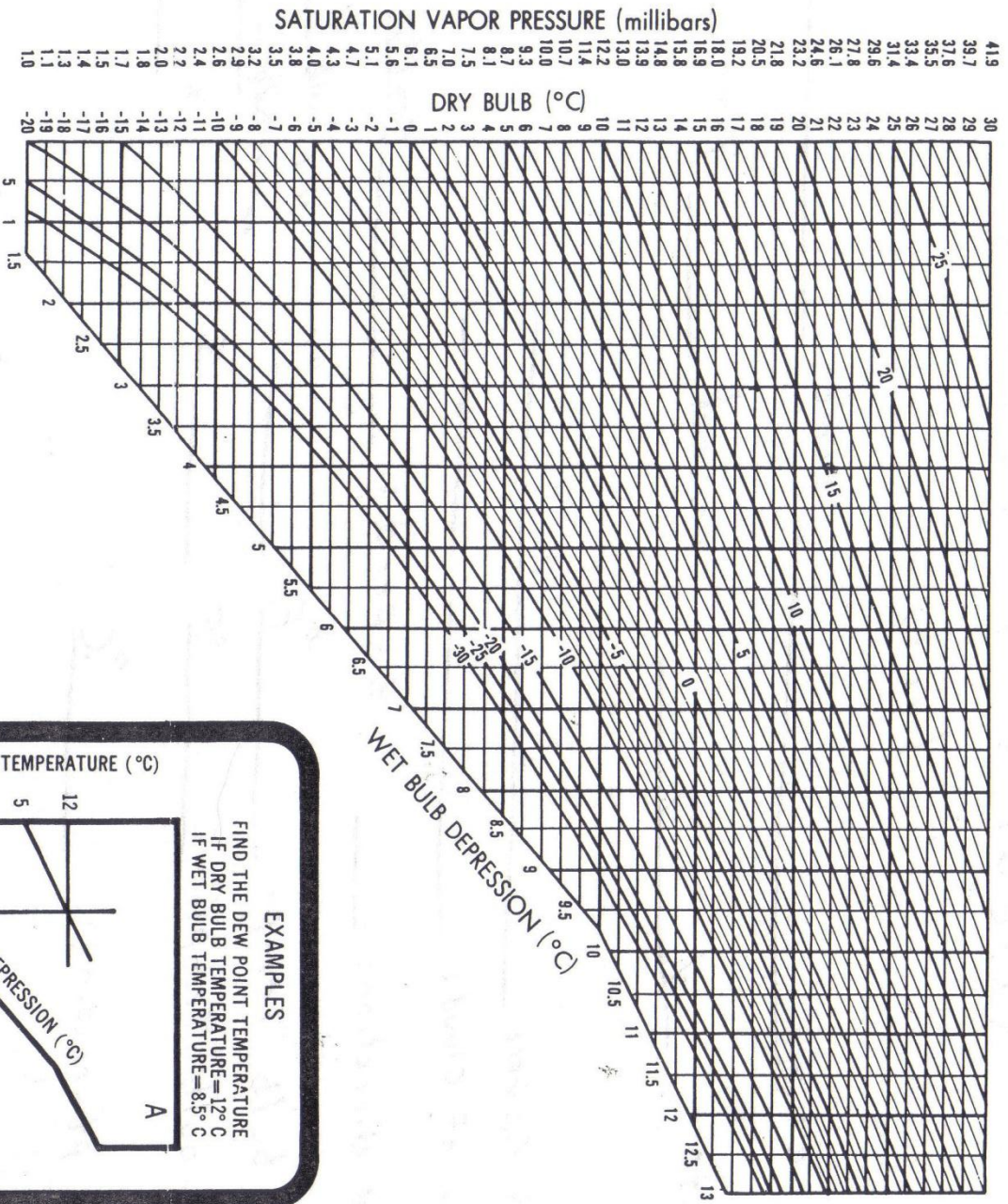
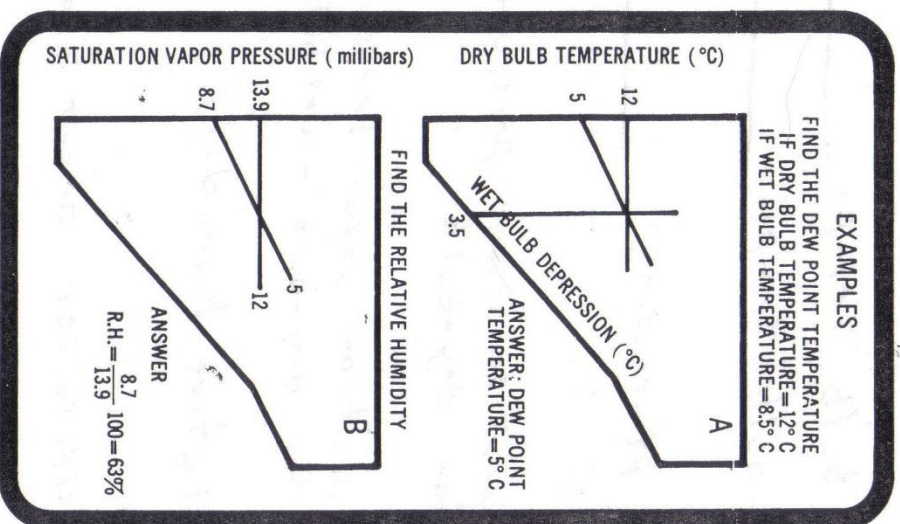


PSYCHROMETER



1. To find dew-point temperature (See Example A): Find the dry-bulb temperature along the left side of the chart (12°C). Follow horizontal line to the vertical line for the wet-bulb depression (difference between dry-bulb and wet-bulb temperatures, or 3.5°C). Read the dew-point temperature from sloping line at this intersection (5°C).
2. To find the relative humidity (See Example B): Read the value of the saturation vapor pressure for the dry-bulb temperature at left side of chart. (13.9 mb is saturation vapor pressure for air at 12°C.) Read the value of saturation vapor pressure for dew-point temperature also at left side of chart (8.7 mb is saturation vapor pressure for air at 5°C.) Divide the second value (8.7) by the first (13.9) and multiply by 100. Answer: 63%.



Reproduced through the courtesy of the Earth Science Curriculum Project (ESCP), Boulder, Colorado.

