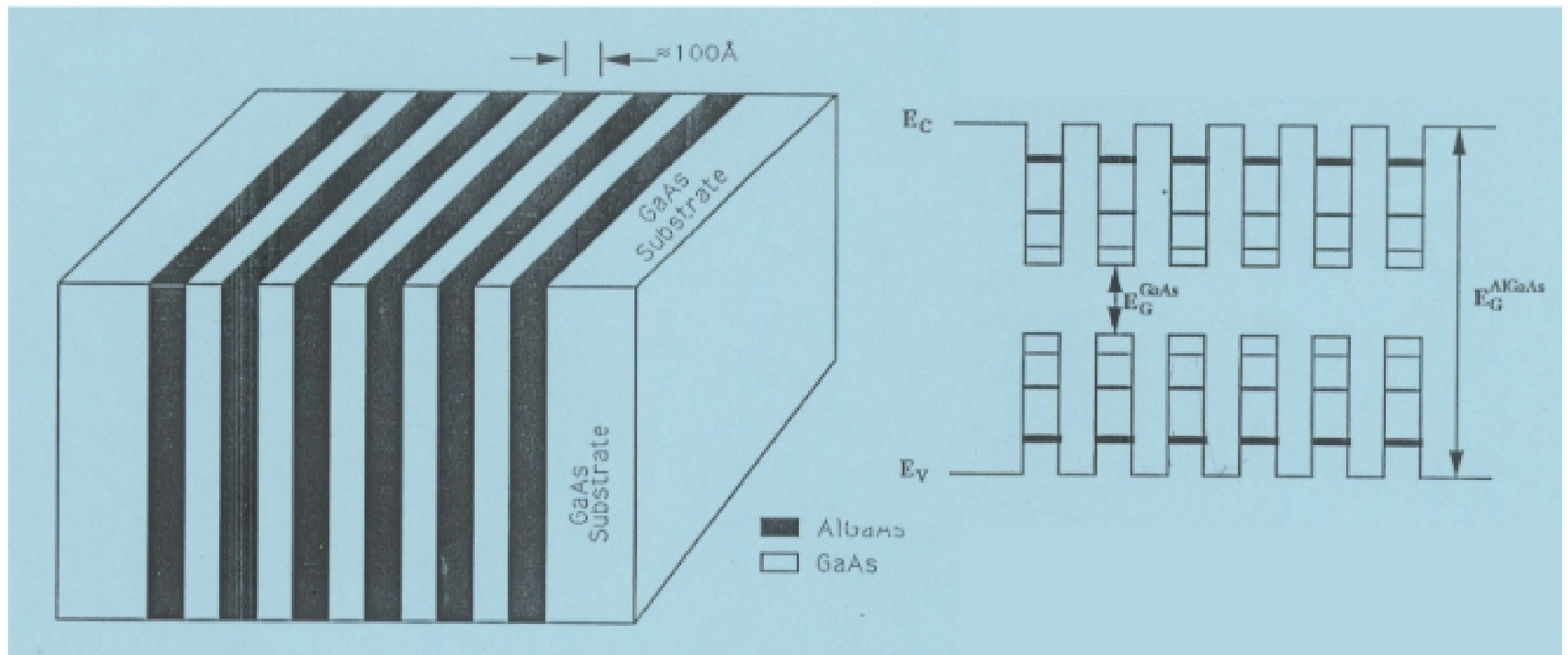


Multiple Quantum Well Structure



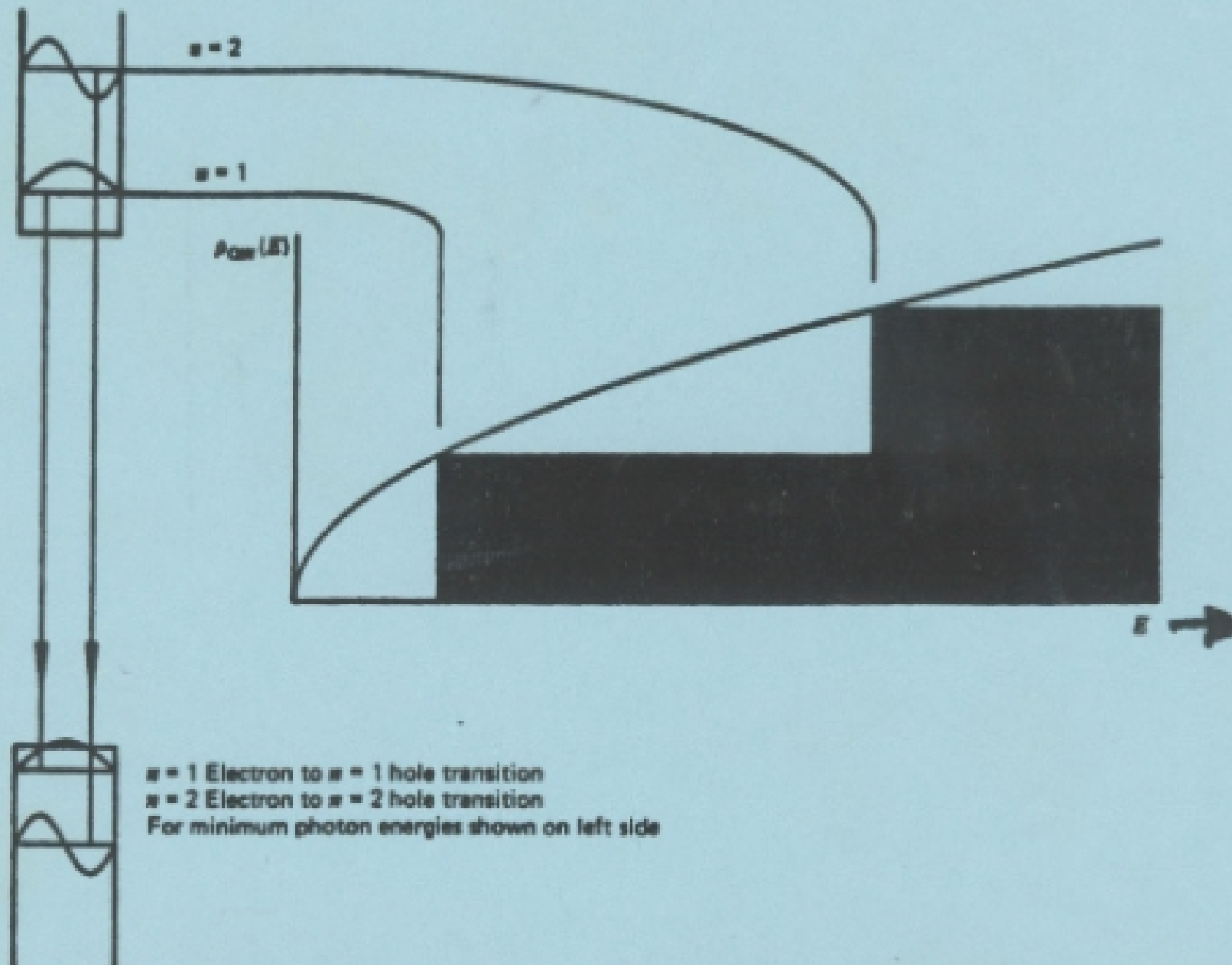


FIGURE 12.2 (a) The first two $n = 1$, $n = 2$ quantized electron and hole states and their eigenfunctions in an infinite potential well. (b) A plot of the volumetric density of states $(1/AL_z)V [dN(E)/dE]$ (i.e., the number of states per unit area per unit energy divided by the thickness of the action region) of a quantum well and of a bulk semiconductor. *Source:* Courtesy of M. Mittelstein, California Institute of Technology, Pasadena, Calif.

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Single Quantum Well Laser

