





Slide 3

## Multi-Dimensional Arrays, Continued

- For old-style arrays (i.e., not VLAs), can't really write functions that work with different sizes, because to locate an individual element you need information about (some) dimensions of array (e.g., number of columns for 2D).
- Slide 4
- For VLAs, functions are easier but total size may be limited, and some very cautious programmers avoid VLAs because some compilers allegedly do not support them well.
- Dynamic allocation (making an array of arrays more later) may be better but is tedious.
- User-defined macros that "fake" multiple dimensions in single-dimensional array also work okay but are tedious.



Slide 5

