Eigenvalues and eigenvectors of a matrix:

`eigstuff <- eigen(A)`

This returns a list with two items:

- `eigstuff$values` is an array of the eigenvalues.

- `eigstuff$vectors` is a matrix with the eigenvectors as columns.

Notes:

- The eigenvalues will be in the same order as the eigenvectors (*i.e.*, eigenvalue #7 will be the eigenvalue that corresponds to column #7 of the eigenvector matrix).

- The dominant eigenvector is `eigstuff$vectors[,1]`.

- The eigenvectors will be *normalized* (*i.e.*, scaled to give a Euclidean norm of 1).