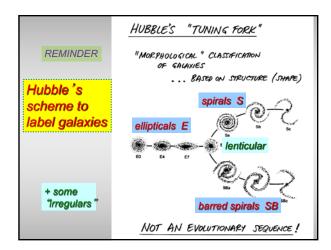
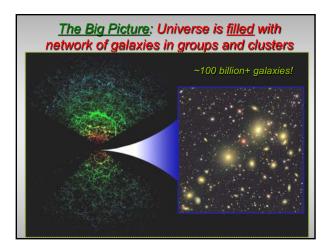
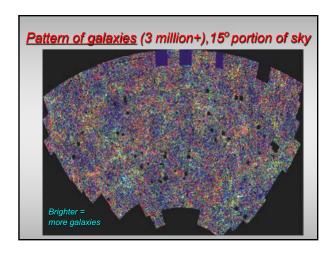


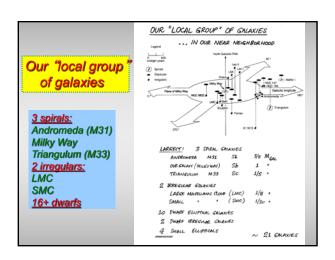
Our wide world (universe) of Galaxies

- Expanding universe: Hubble's discovery #2
- Then turn with planetarium to the joys of galaxies and how large-scale structure emerged
- Finish overview reading Chap 21 "Galaxy Evolution"
- Observatory Night #9 this Thur (Nov 15) by signup (7pm onward)

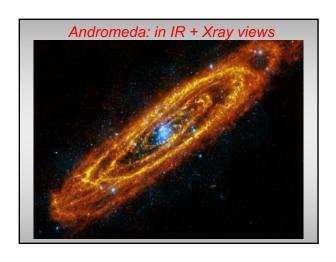


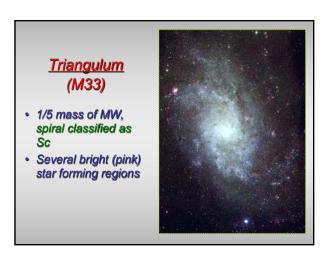


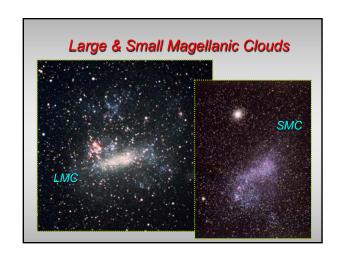






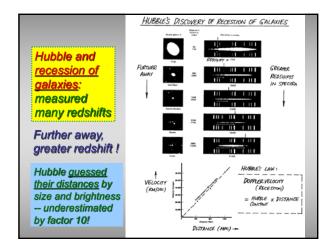


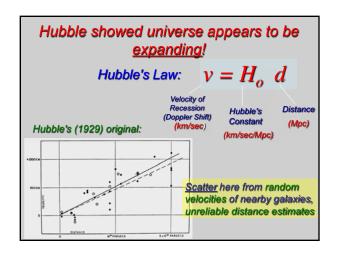


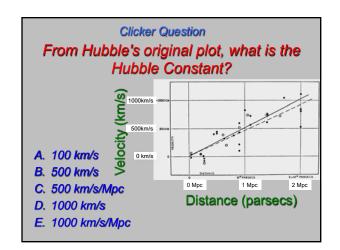


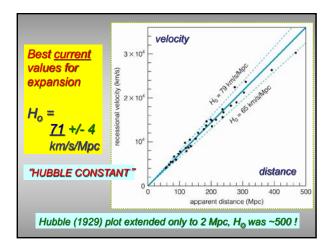


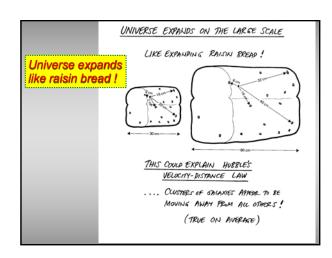
Hubble: next showed universe appeared to be expanding! Vesto Slipher (1912) reported that most galaxies showed Doppler redshifts Edwin Hubble, using new 100 "telescope, started busily measuring galaxy redshifts Hubble (1929) announced that redshifts of galaxies appear to increase with distance from us This was startling: suggests an EXPANDING UNIVERSE!

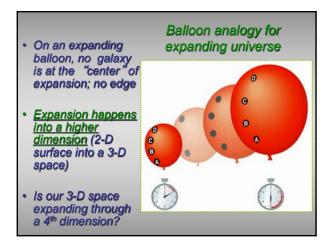


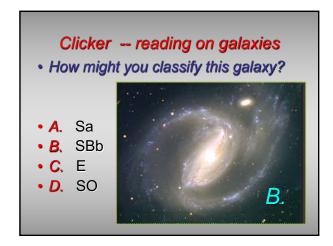












Now to our tour of Large-Scale Structure in our Universe