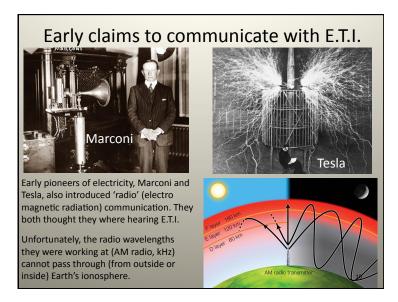


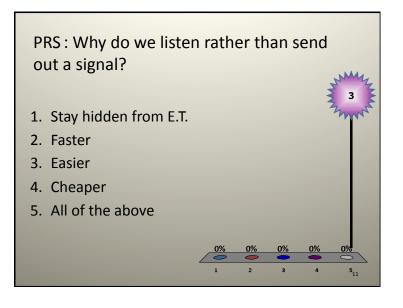
What does this lead to?

Multiply together the classes four most popular input values:

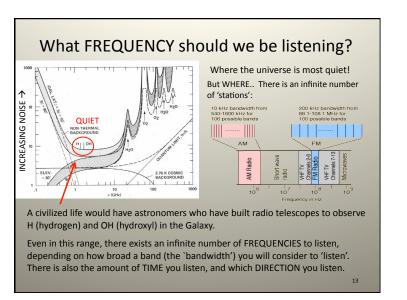
$$\mathcal{N}_{hp} \times f_{life} \times f_{civ} \times f_{now} =$$

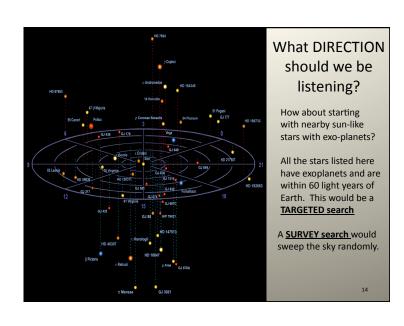
Total number of intelligent civilizations from whom we could potentially get a signal now.

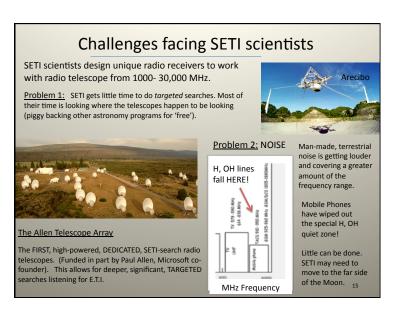


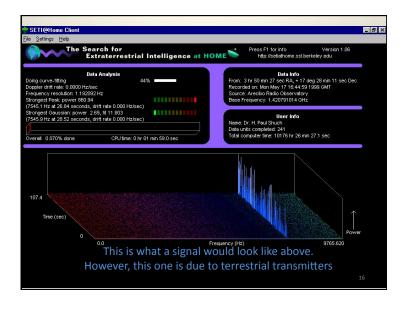


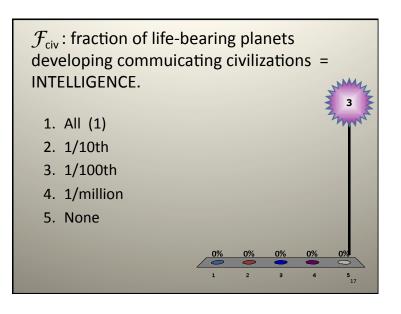


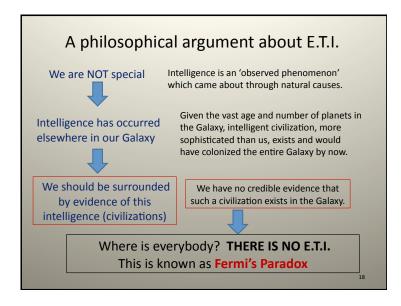






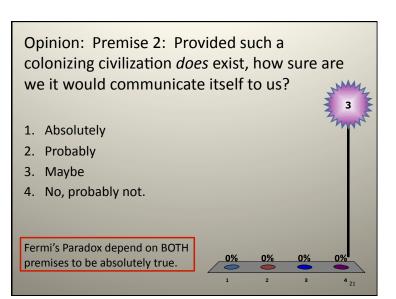


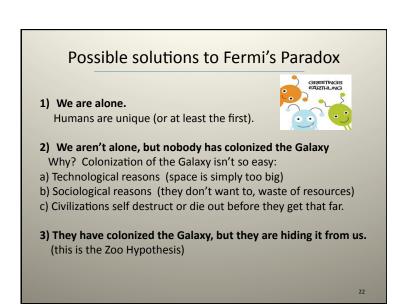




What is a paradox? Def. An argument that apparently derives self-contradictory conclusions by valid deduction (through reasoning) from accepted premises. Critical premises leading to Fermi's Paradox

'colonized' the **entire** Galaxy? 25% 1. Given the size and age of the Galaxy, absolutely yes. 2. Given the age of the Galaxy, its very likely. 1) Intelligent civilizations exist through out the 3. Even with the age of the Galaxy, Galaxy and have colonized the Galaxy by now. it is unlikely given its size. 4. I vote no. I don't believe any 2) Those intelligent civilizations would communicate to us in civilization has ever existed that such a way that we would know of their existence. can colonize the Galaxy.





Opinion: Premise 1. How sure are we that

intelligent civilizations would have

