Basidiomycota

Invasion of Land

Borophytes

Basidiomycota

- · Decomposers- fungal groups discussed last lecture.
- Basidiomycota are those that you identify as mushrooms.
- Recognize mushrooms as fruiting bodies. The vast majority is under the soil as
 a a form of mycelia and the basidiomycota is considered as the largest
 group rest under the soil that you can't actually see.
- Basidiomycota has a septum associated with it and have structures known as
 dolipores. One of the structures found in the dikaryon state are the clam
 connections and operate to basically maintain the n + n state of the
 heteronuclei of the nuclei structure. Once you achieve diploidity meiosis
 is involved in forming a basidiospore that is then the asset.
- Mushrooms inclue a range of dd types of this stat include a range of
 different things. Mushrooms that can get you bigh [hallucinations], kill
 you or are good for you some toxins present in the mushroom kills you
 slowly another is no cure form.
- We strong with red cape to the will kill you. When they're young they come up as buttons. This is due to the peculiarity going on in the dikaryon state that is not seen.
- · Basidiomycota as a group will get you high or will kill you.
- The gasteromycetes (gastric-stomach) inclues puffballs. Fungi generally like to disperse spores use projectile stuff to spit them out. However in puff balls the mycelial structure is below the ball. The puff ball is in a shape of a ball usually the size of a golf ball. Want to spread your basidiospore as far as possible- have spores inside a ball. Think about the hallucination ones*. It emits pheromones and chemicals that float into the air- you inhale the chemicals and then it has a hallucinatory effect on you. You end up jumping on the puff ball and then it disperses its spores. -Example of spore dispersal in basidiomycota.
- Have action potentials occurring inside a basiodiomycota

[pg 53- lab manual] Life cycle of Pucinnia- virulent strains of rust

Has a virulent strain- can wipe out a large % of a food product- like wheat or