

# Concept II: Spawning Specifics



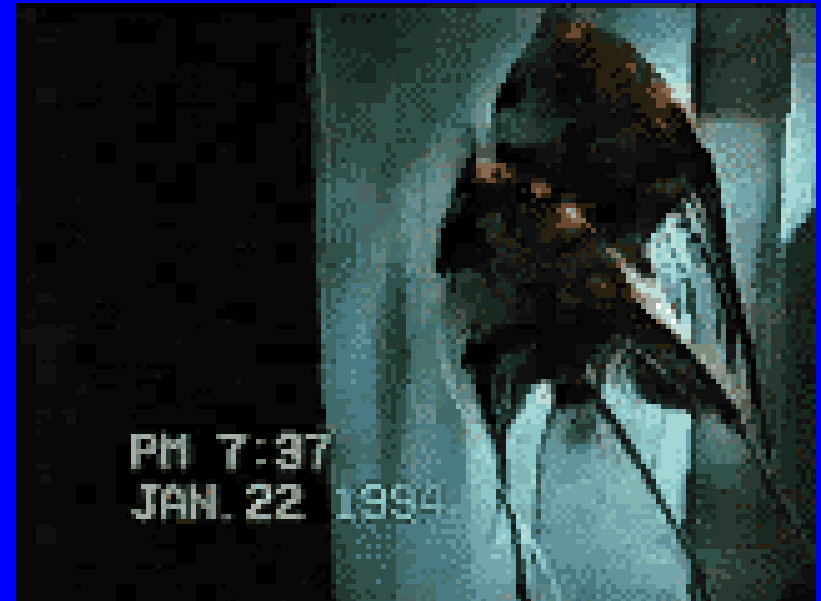
- Role of the environment is covered
- Physiology is covered
- Task is to get the things to breed



# Classifying Spawners

Many ways:

- By spawning type
- By Linnaean methods
- By guilds
- By breeding patterns



# Groups of Spawners

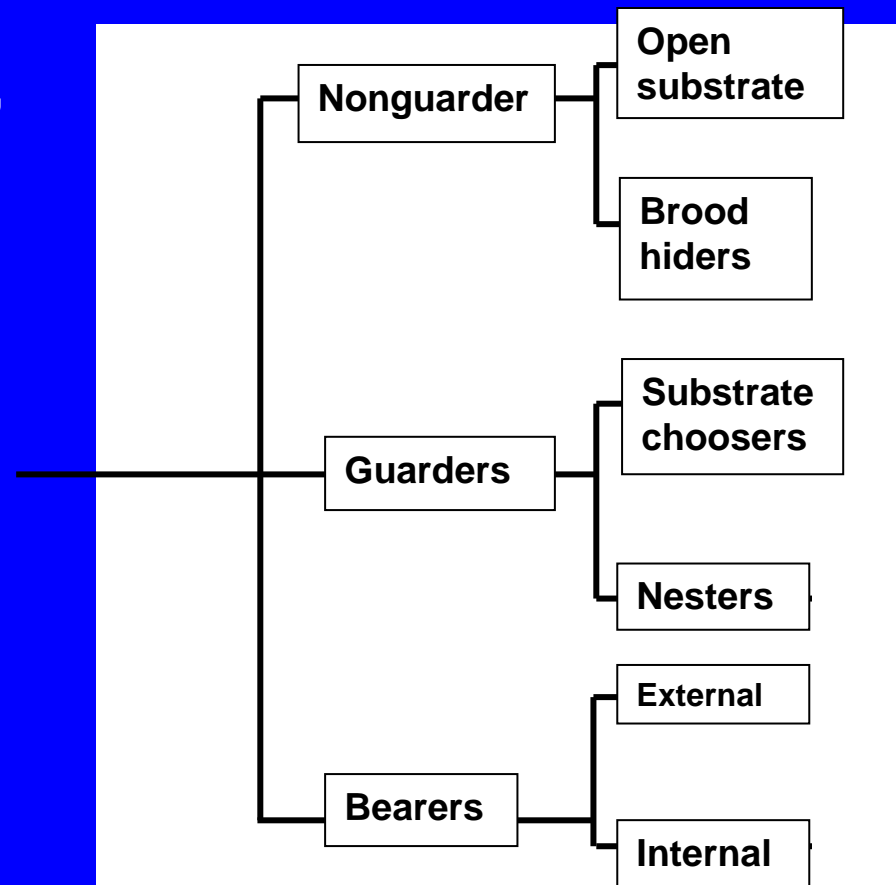
- 1) Synchronous- all oocytes develop synchronously and ovulate at the same time.
- 2) Group-synchronous- oocytes ÷ into groups, ovulate over one breeding season.
- 3) Asynchronous- oocytes at all developmental stages are present in the ovary.

Ex: tropical fish.



# Reproductive Guilds

- Proposed by Balon, 1975
- Still in use today
- An ecological approach
- Non-Linnaean
- Overlay with physiology



# Fish Evolution

