

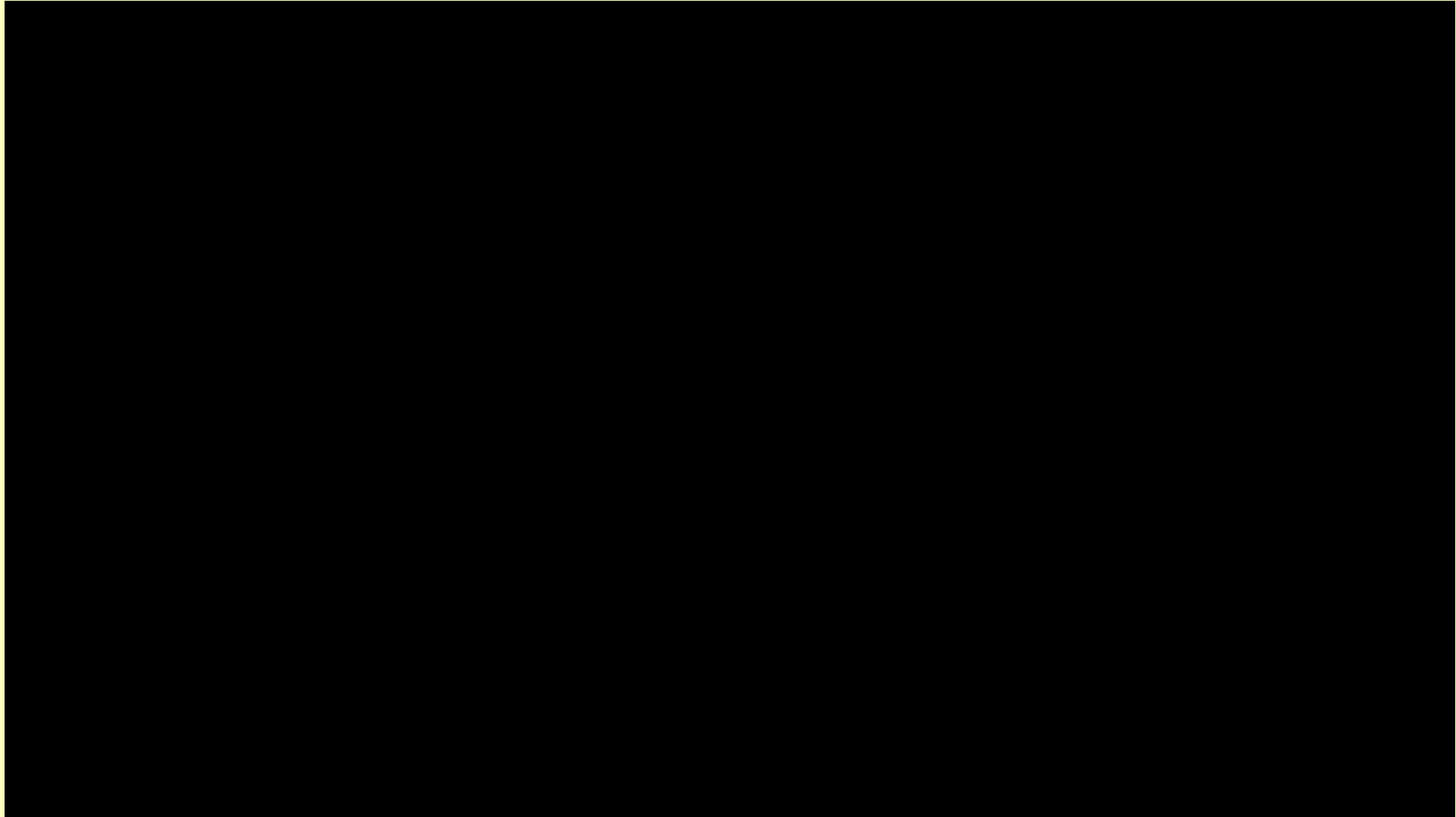
Carnivorous Plants and Their Role in Society

Jonathan Kui
Midtown Carnivores
2022

Overview

- Introduction
- From Hobby to Business
- Carnivorous Plants
- Documentary film
- Roles in Society
- Open Discussion / Q & A

Introduction



From Hobby to Business

- circa 1988

FLOWERS! SEEDS!! ***HAMBURGER!!!***

From Hobby to Business

- ***DISASTER!!!***

From Hobby to Business

- 2009 – The field (so to speak) has advanced!



From Hobby to Business

- 2012 – Midtown Carnivores



Carnivorous Plants

Plants that have adaptations that allow them to survive in very nutrient-poor growing conditions.



Carnivorous Plants

- Slow-growing
 - ~3 yrs to maturity
- Flowers on stalks to minimize predation on pollinators
 - Some are dioecious
- Nearly salt-free water
- Low-nutrient, acidic media
- Found on every continent except Antarctica



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Different Types

- Snap Traps
 - Venus Flytrap
 - Bladderworts
 - The Waterwheel
- Pitfall Traps
 - The Pitcher Plants
 - Carnivorous Bromeliads
 - The corkscrew plants
- Sticky Traps
 - Sundews
 - Butterworts
 - Rainbow plant



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Snap Traps: Venus Flytrap

- *Dionaea muscipula*
 - The only species in the genus.
 - Native to North Carolina
 - Introduced into the FL panhandle
 - Temperate: winter dormancy
 - Retreats to a rhizome for winter
 - Forms rosette of trap leaves
 - Trigger hairs on trap surface
 - Digestion ~7 days, then reopens
 - Flowers, sets seed in Spring



Snap Traps: Venus Flytrap



FTS Crimson Sawtooth



Justina Davis



Triton



Coquillage



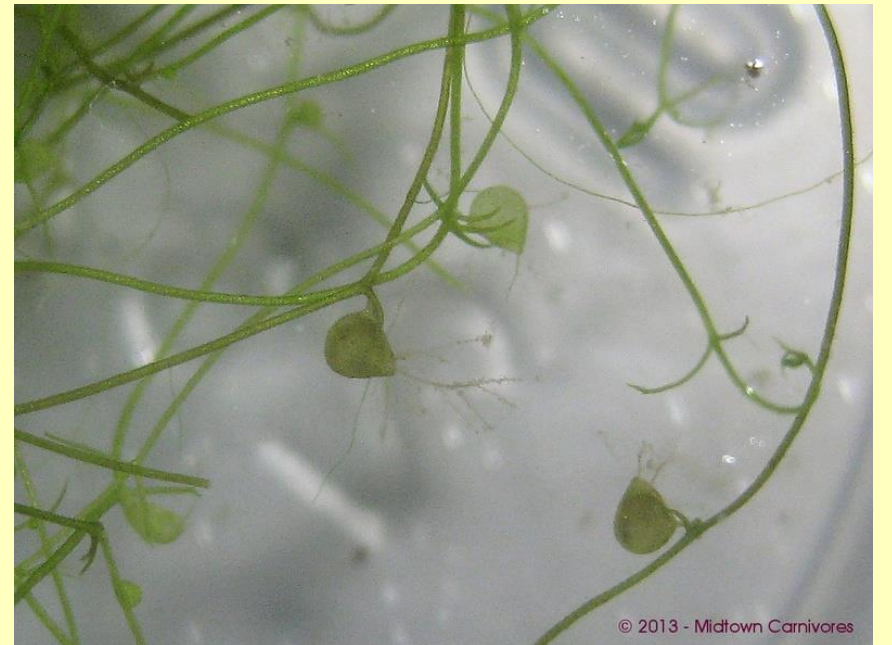
Fused Tooth



Wacky Traps

Snap Traps: Bladderworts

- *Utricularia*
 - The most diverse family of carnivorous plants.
 - Species range from terrestrial to aquatic to epiphytic
- Tiny, orchid-like flowers on raised stalks
- Many species are temperate, forming hibernacula
- Photosynthetic leaves from stem-like structures called stolons
- Small bladders under negative pressure have trigger hairs to snap trap open and shut, sucking in nearby prey



Snap Traps: The Waterwheel

- *Aldrovanda*
- Several free-floating aquatic species in acidic water.
- Snap-traps similar to aquatic bladderworts



The Pitfall Traps: The Pitcher Plants

- Many different families
 - *Sarracenia*, the North American pitcher plants
 - *Nepenthes*, the Tropical pitcher plants
 - *Darlingtonia*, the Cobra Lily
 - *Heliamphora*, the Marsh pitcher plants/Sun pitcher plants
 - *Cephalotus*, the Australian pitcher plants



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(photo from "A garden's chronicle")

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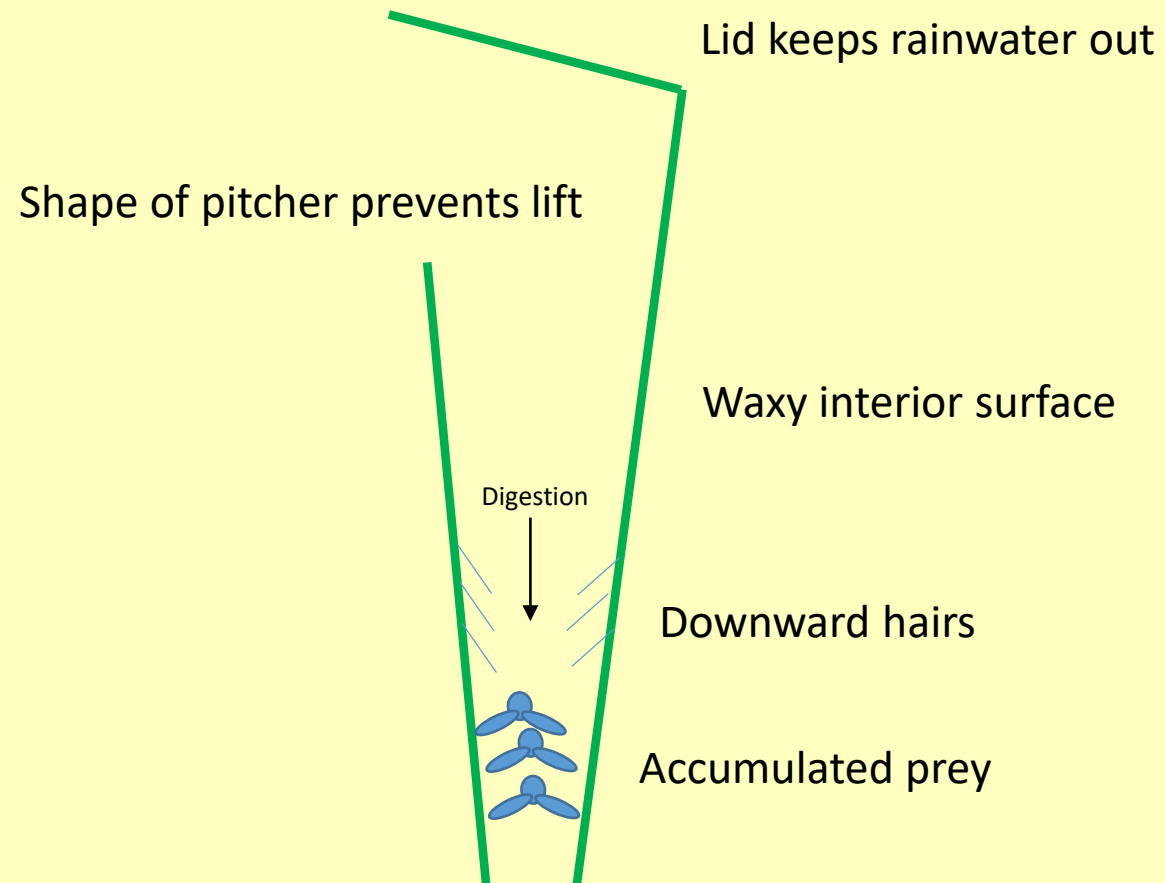


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Basic pitcher structure



The Pitfall Traps: Other types



Carnivorous Bromeliads: *Catopsis* and *Brocchinia*

The Pitfall Traps: Other types



Genlisea: the corkscrew plant

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Sticky Traps: The Sundews



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Sticky Traps: The Butterworts



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Sticky Traps: The Butterworts



(c) 2012 - Midtown Carnivores

Sticky Traps: The Rainbow Plant

An idea...



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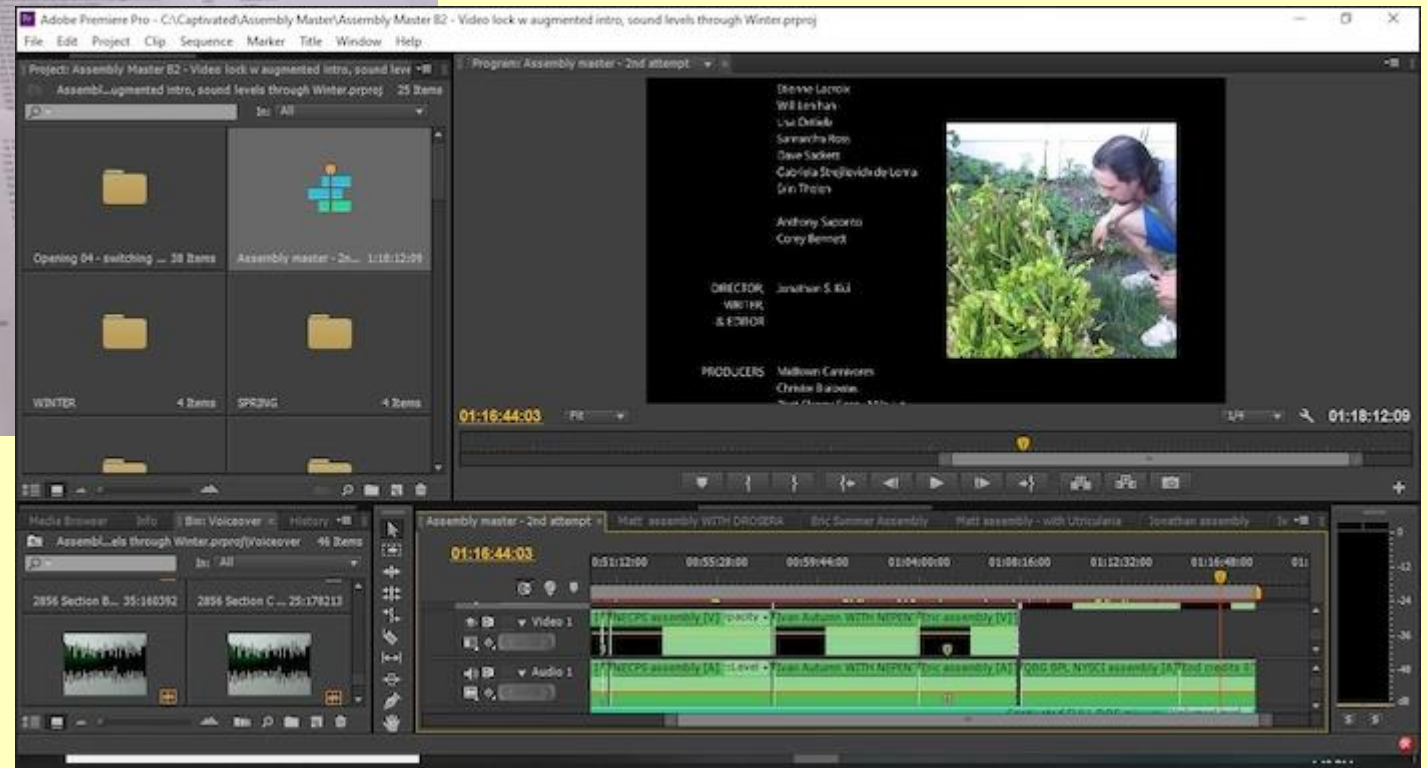
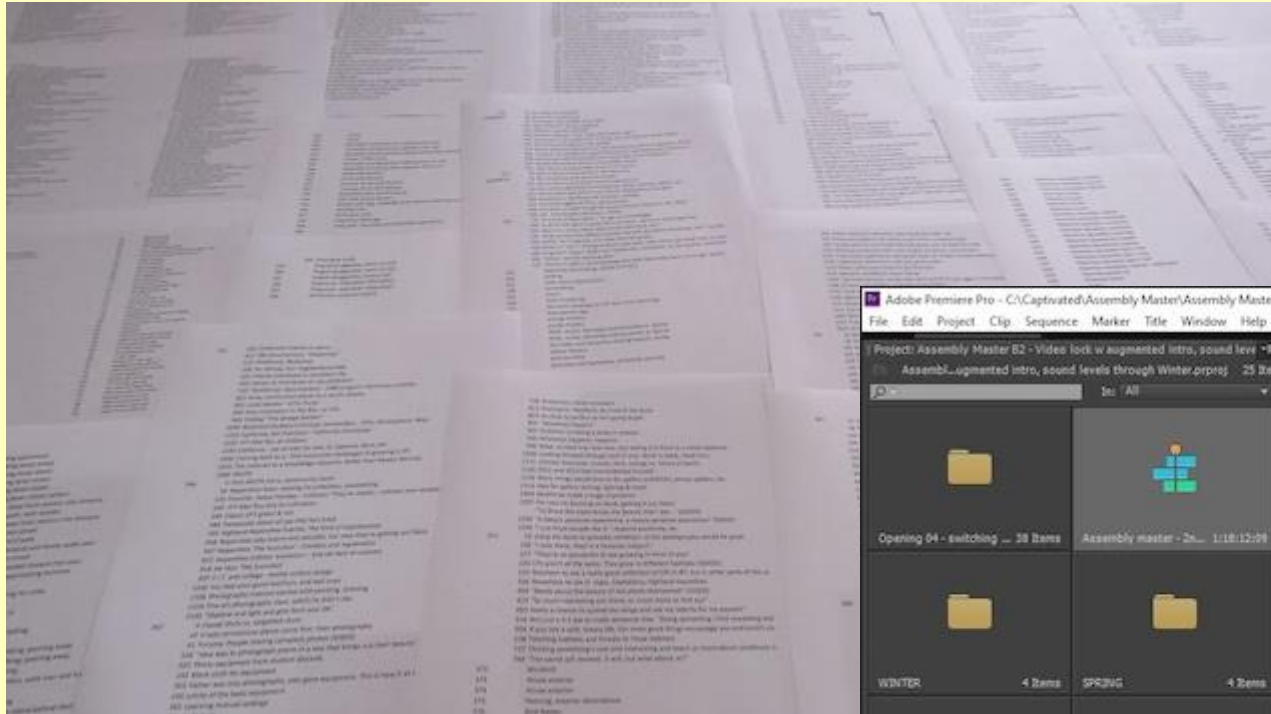
What would make this different?

- Human Interest
- Midtown Carnivores would NOT be the subject.
- Four subjects
 - Art
 - Livelihood
 - Discovery
 - Community
- “The Greater View”

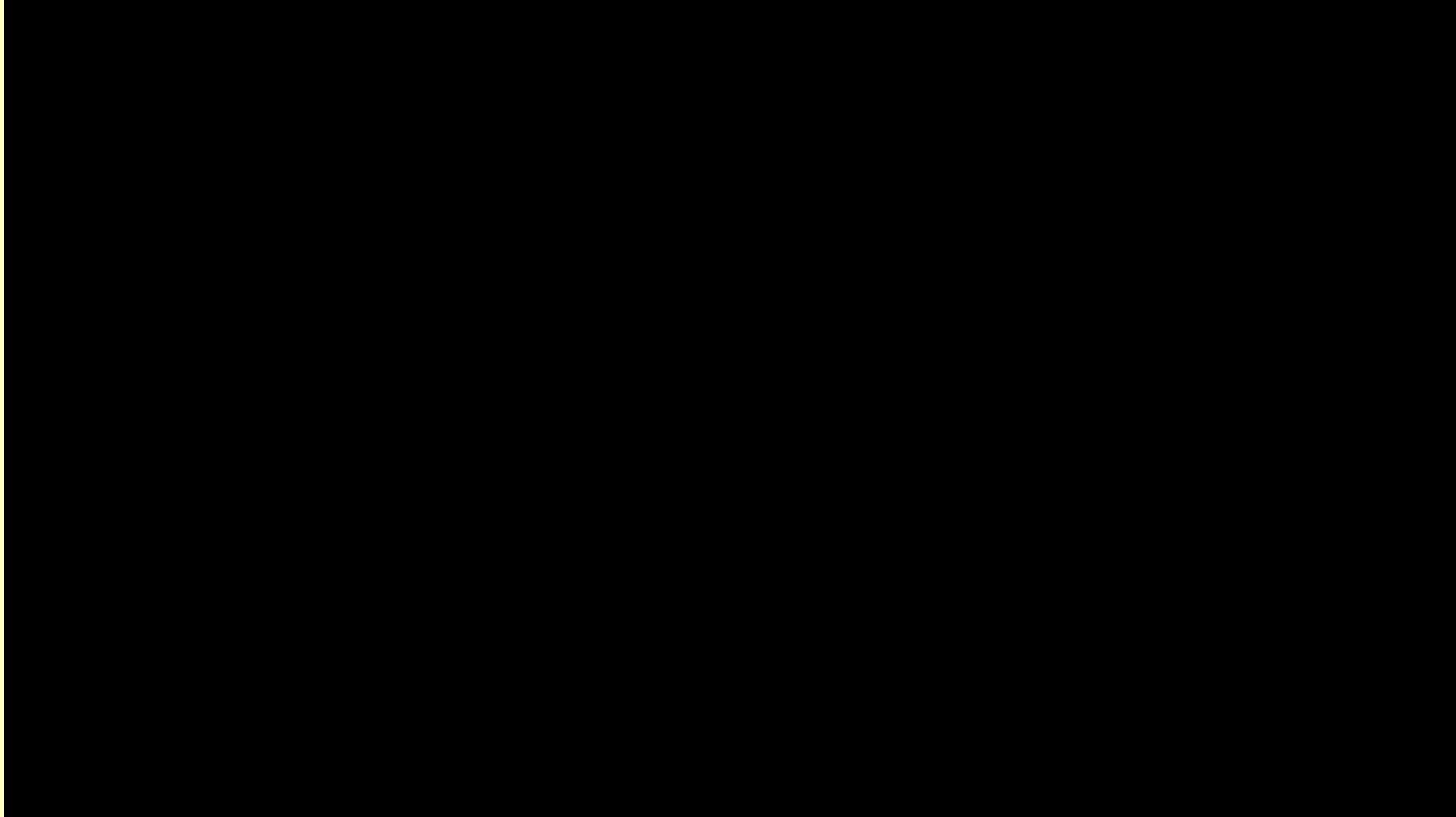
2015-2016

- **CAPTIVATED: The Allure of Carnivorous Plants**
- 2015: Funded through Kickstarter and Midtown Carnivores
- 2016: Principal Photography 01/23/2016 – 12/14/2016
 - The Hamptons
 - Nyack
 - Tompkins County
 - Brooklyn Botanic Garden
 - Queens Botanical Garden

2017 – 2021



2017 – 2021



2021

- IMDB
- FilmFreeway
- YouTube



<http://www.captivatedthefilm.com/>

An exploration of carnivorous plants, by way of four people whose lives have been changed by cultivation of these amazing organisms.

captivated
the allure of
carnivorous plants

Capture the wonder.
Capture the humanity.

2022 WINNER
GEEK FEST TORONTO
BEST DOCUMENTARY
Mabig Film Festival 2021
BEST DOCUMENTARY FEATURE
FESTOPEDIA CINEMAS & SCRIPTS
FCAS SEASON ONE 2022
OFFICIAL SELECTION
Strong Chance Film Festival 2021
OFFICIAL SELECTION
LOST RIVER FILM FEST 2021
OFFICIAL SELECTION
Independent-Star Filmfest Munich 2021

CONFESSIONS OF PRODUCTIONS LLC PRESENTS A JONATHAN S. KIM FILM "CAPTIVATED: THE ALLURE OF CARNIVOROUS PLANTS"
EXECUTIVE PRODUCERS: ERIC KANEZ, MATTHEW KAEHLIN, IVAN LACROIX, JONATHAN MEARS, ADOLFO ALBERTAS, PRODUCED BY KRISTY CHERNO-SCHROEDER, THE KIM FAMILY, LULU HERMES
EDITED BY MATTIWIN CARVALHO, CHRISTIE GHALOUBS, PHILIP SKINNY (COP), MILDRED, THE NEW ENGLAND CARNIVOROUS PLANT SOCIETY, DIRECTED BY JONATHAN S. KIM

Roles in Society

- First, what are YOUR thoughts?

Roles in Society

- Pest Control
- Home/Garden Decor
- Art
- Novelty
- Conservation/Natural Environment
- Gateway for Education

Open Discussion / Questions

Care info



Midtown
Carnivores
The Triumph Of Flora Over Fauna

Education & Workshops

Carnivorous Plants

Plants for Sale
Seeds and Gemmae
Supplies

Ordering Information

About Us
The Ordering Process
Frequently Asked Questions
Privacy Policy
Other Policies

Resources

Plant Care Information
External Links

Resources

Plant Care Information



Carnivory is a plant's method of providing the plant with additional nutrients in a nutrient-poor environment. Most carnivorous plants will respond better to more specific growing conditions. PDF files are provided below which detail plant care for individual species that we offer.

As a quick reference, see the **General care guidelines** in the section at the bottom of the page.


Speaking in general terms, most carnivorous plants require the same, basic requirements:


[[Care sheet list](#)] - [[General care guidelines](#)]


Carnivorous Plant Care Sheets

Care sheets for individual genera of available carnivorous plants are located below, and on the relevant product pages. All care sheets are provided in Adobe Acrobat (.pdf) format.


Plant Care by Type


Cephalotus (Australian Pitcher Plants) 

Dionaea (Venus Flytraps) 

Drosera (Sundews) 

Supplemental Care Guides

Feeding guide 
For all plant types

Dormancy guide: Winter care 
For *Dionaea* & *Sarracenia*

<http://www.midtowncarnivores.com/resources/plantcare.html>

THANK YOU!!!



Additional Resources

- **THE SAVAGE GARDEN**, by Peter D'Amato
- <http://www.sarracenia.com/> by Dr. Barry Rice
- **CAPTIVATED: The Allure of Carnivorous Plants** (2022) on YouTube, IMDB, FilmFreeway, www.captivatedthefilm.com
- Garden of Flesh: <https://gallery.midtowncarnivores.com>

Considerations

- Don't mix tropical and temperate plants in an outdoor setup
- Account for areas that can flood
- NEVER use fertilizer of any kind
- Protect against freezing winds
- Don't overwater when dormant, otherwise leads to rot

Considerations

- Space your plants out
- Dividing in the Spring
- Pests
 - Aphids
 - Squirrels
 - Birds