

94'

ICHTHYOLOGY

Dr. James Triplett Professor of Ichthyology

A Notebook For Partial Fulfillment of The Course
Ichthyology

Daniel T. Albertini

Phylogenetic Order of Fishes Collected For The Course
Ichthyology

Common Name

Atlantic Stingray (Stingaree)

Order: Rajiformes

Family: Rajidae

Genus Species: Dasyatis sabina

Alligator Gar

Order: Lepisosteiformes

Family: Lepisosteidae *Lepisosteus*

Genus Species: Atractosteus spatula

Spotted Gar

Order: Lepisosteiformes

Family: Lepisosteidae

Genus Species: Lepisosteus oculatus

Gizzard Shad

Order: Clupeiformes

Family: Clupeidae

Genus Species: Dorosoma cepedianum

Cuban Anchovy

Order: Clupeiformes

Family: Engraulidae

Genus Species: Anchoa cubana

Striped Anchovy

Order: Clupeiformes

Family: Engraulidae

Genus Species: Anchoa hepsetus

Gulf Menhaden

Order: Clupeiformes

Family: Clupeidae

Genus Species: Brevoortia patronus

Scaled Sardine

Order: Clupeiformes

Family: Clupeidae

Genus Species: Harengula pensac[?]olae

Spanish Sardine

Order: Clupeiformes

Family: Clupeidae

Genus Species: Sardinella anchovia[?]

Redfin Pickerel

Order: Esociformes

Family: Esocidae

Genus Species: Esox americanus

Bullhead Minnow

Order: Cypriniformes

Family: Cyprinidae

Genus Species: Pimephales vigilax

Blackspotted Topminnow

Order: Cypriniformes *cyprinodontiformes*

Family: Cyprinidae *cyprinodontidae*

Genus Species: Fundulus olivaceus

Blackstripe Topminnow

Order: Cypriniformes *cyprinodontiformes*

Family: Cyprinidae *cyprinodontidae*

Genus Species: Fundulus notatus

Roundnose Minnow

Order: Cypriniformes

Family: Cyprinidae

Genus Species: Dionda episcopa

Red Shiner

Order: Cypriniformes

Family: Cyprinidae

Genus Species: Notropis lutrensis

Brazos River Shiner

Order: Cypriniformes

Family: Cyprinidae

Genus Species: Notropis brazosensis

Sharpnose Shiner

Order: Cypriniformes

Family: Cyprinidae

Genus Species: Notropis oxyrhynchus

Blacktail Shiner

Order: Cypriniformes

Family: Cyprinidae

Genus Species: *cyprinella venusta*
Notropis venustus

Cardinal Shiner

Order: Cypriniformes

Family: Cyprinidae

Genus Species: Luxilus cardinalis

Rosyface Shiner

Order: Cypriniformes

Family: Cyprinidae

Genus Species: Notropis rubellus

Creek Chubsucker

Order: Cypriniformes

Family: Cyprinidae *catostomidae*

Genus Species: Erismyzon oblongus

*

Threatened and Endangered Fish

*

Red Spot Chub

Order: Cypriniformes
Family: Cyprinidae
Genus Species: Nocomis asper

River Carpsucker

Order: Cypriniformes
Family: Cyprinidae *Catostomidae*
Genus Species: Carpionodes carpio

Central Stoneroller

Order: Cypriniformes
Family: Cyprinidae
Genus Species: Camptostoma anomalum

Channel Catfish

Order: Siluriformes
Family: Ictaluridae
Genus Species: Ictalurus punctatus

Hard-Head Catfish

Order: Siluriformes
Family: Ariidae
Genus Species: Arius felis

Slender Madtom

Order: Siluriformes
Family: Ictaluridae
Genus Species: Noturus exilis

Sargassum Fish

Order: Lophiiformes
Family: Antennariidae
Genus Species: Histrio histrio

Southern Hake

Order: Gadiformes
Family: Merlucciidae
Genus Species: Urophycis floridanus

Mosquitofish

Order: Cyprinodontiformes
Family: Cyprinodontidae *Poeciliidae*
Genus Species: Gambusia affinis

Rainwater Killifish

Order: Cyprinodontiformes

Family: Cyprinodontidae

Genus Species: Lucania parva

Longnose Killifish

Order: Cyprinodontiformes

Family: Cyprinodontidae

Genus Species: Fundulus similis

Brook Silverside

Order: Atheriniformes

Family: Atherinidae

Genus Species: Labidesthes sicculus

Sheepshead Minnow

Order: Cyprinidontoidei

Family: Cyprinodontidae

Genus Species: Cyprinodon variegatus

Rough Silverside

Order: Atheriniformes

Family: Atherinidae

Genus Species: Membras ~~Martinica~~

Tidewater Silverside

Order: Atheriniformes

Family: Atherinidae

Genus Species: Menidia peninsulae

Dusky Pipefish

Order: Gasterosteiformes

Family: Syngnathidae

Genus Species: Syngnathus floridae

Chain Pipefish

Order: Gasterosteiformes

Family: Syngnathidae

Genus Species: Syngnathus louisianae

Dwarf Seahorse

Order: Gasterosteiformes

Family: Syngnathidae

Genus Species: Hippocampus zosterae

Lined Seahorse

Order: Gasterosteiformes

Family: Syngnathidae

Genus Species: Hippocampus erectus

Green Sunfish

Order: Perciformes

Family: Percidae *Centrarchidae*Genus Species: Lepomis cyanellus

Bluegill

Order: Perciformes

Family: Percidae

*Centrarchidae*Genus Species: Lepomis macrochirus

Warmouth

Order: Perciformes

Family: Percidae

*Centrarchidae*Genus Species: Lepomis gulosus

White Crappie

Order: Perciformes

Family: Percidae

*Centrarchidae*Genus Species: Pomoxis annularis

Redear Sunfish (Shellcracker)

Order: Perciformes

Family: Percidae

*Centrarchidae*Genus Species: Lepomis microlophus

Dollar Sunfish

Order: Perciformes

Family: Percidae

*Centrarchidae*Genus Species: Lepomis marginatus

Pumpkinseed

Order: Perciformes

Family: Percidae

*Centrarchidae*Genus Species: Lepomis gibbosus

Orangespotted Sunfish

Order: Perciformes

Family: Percidae

*Centrarchidae*Genus Species: Lepomis humilus

Spotted Sunfish

Order: Perciformes

Family: Percidae

*Centrarchidae*Genus Species: Lepomis punctatus

Swamp (Slough Darter)

Order: Perciformes

Family: Percidae

Genus Species: Etheostoma gracile

Dusky Darter

Order: Perciformes

Family: Percidae

Genus Species: Percina sciera

*

Threatened and Endangered Fish

*

T&E Arkansas Darter

Order: Perciformes

Family: Percidae

Genus Species: Etheostoma cragini

Orange Throat Darter

Order: Perciformes

Family: Percidae

Genus Species: Etheostoma spectabile

Pinfish

Order: Perciformes

Family: Sparidae

Genus Species: Lagodon rhomboides

Southern Kingfish

Order: Perciformes

Family: Sciaenidae

Genus Species: Menticirrhus americanus

Star Drum

Order: Perciformes

Family: Sciaenidae

Genus Species: Stellifer lanceolatus

Black Drum

Order: Perciformes

Family: Sciaenidae

Genus Species: Pogonias cromis

Red Drum

Order: Perciformes

Family: Sciaenidae

Genus Species: Sciaenops ocellata

Spotted Sea Trout

Order: Perciformes

Family: Sciaenidae

Genus Species: Cynoscion nebulosus

White Mullet

Order: Perciformes

Family: Mugilidae

Genus Species: Mugil curema

Striped Mullet

Order: Perciformes

Family: Mugilidae

Genus Species: Mugil cephalus

Atlantic Threadfin

Order: Perciformes

Family: Polynemidae

Genus Species: Polydactylus octonemus

Hairy Blenny

Order: Perciformes

Family: Clinidae

Genus Species: Labrisomus nuchipinnis

Molly Miller

Order: Perciformes

Family: Blennidae

Genus Species: Blennius cristatus *Scartella cristata.*

Freshwater Goby

Order: Perciformes

Family: Gobiidae

Genus Species: Gobionellus boleosoma *shu seldti*

Naked Goby

Order: Perciformes

Family: Gobiidae

Genus Species: Gobiosoma bosci

Code Goby

Order: Perciformes

Family: Gobiidae

Genus Species: Gobiosoma robustum

Frillfin Goby

Order: Perciformes

Family: Gobiidae

Genus Species: Bathyrhynchus soporator *gobius*

Butterfish

Order: Perciformes

Family: Stromateidae

Genus Species: Peprilus trigcanthes

Paradise Gourami (Paradise Fish)

Order: Perciformes

Family: Belontiidae

Genus Species: Macropodus opercularis

Blue Gourami (Three-Spot Gourami)

Order: Perciformes

Family: Belontiidae

Genus Species: Trichogaster trichopterus

Baywhiff Flounder

Order: Pleuronectiformes

Family: Bothidae

Genus Species: Citharichthys spilopterus

Ocellated Flounder

Order: Pleuronectiformes

Family: Bothidae

Genus Species: Bothus ocellatus

Gulf Flounder

Order: Pleuronectiformes

Family: Bothidae

Genus Species: Paralichthys albigutta

BlackCheek Tonguefish (Patch)

Order: Pleuronectiformes

Family: Cynoglossidae

Genus Species: Symphurus plagiusa

23

A Chronological Order of Species Collected For The Class of
Ichthyology: Total Collected Species: 89

Total Live Species: 14

Jar #1

3/19/94

Sulphur Creek

16 miles North of Sulphur Springs Texas

Hopkins Co. Tx.

Habitat: Creek

Species Collected:

Pimephales vigilax (Bullhead Minnow)

32 Specimens

Lepomis cyanellus (Green Sunfish)

2 Specimens

Lepomis macrochirus (Bluegill)

1 Specimen

Notropis lutrensis (Red Shiner)

42 Specimens

Jar #2

3/19/94

South Sulphur River, Highway Jet of 19 & 154 16 Miles North
of Sulphur Springs Texas. Hopkins County.

Habitat: River

George Thomas's Photograph

Lepisosteus oculatus (Spotted Gar)

1 Photograph

Gambusia affinis (Mosquitofish)

12 Specimens

Lepomis macrochirus (Bluegill)

8 Specimens

Lepomis gulosus (Warmouth)

1 Specimen

Pomoxis annularis (White Crappie)

1 Specimen

Lepomis microlophus (Redear Sunfish) "Shell Cracker"

9 Specimens

Lepomis marginatus (Dollar Sunfish)

7 Specimens

Lepomis gibbosus (Pumpkinseed)

1 Specimen

Jar #3

3/19/94

Wood County, Sabine River, 3 mi South of Minniola Tx. North
Side of River.

Habitat: River

Erismyzon oblongatus (Creek Chubsucker)

1 Specimen

Esox americanus (Redfin Pickerel)

1 Specimen

✱

1 Specimen
Lepomis humilus (Orange-Spotted Sunfish)
2 Specimens
Lepomis microlophus (Redear Sunfish)
2 Specimens
Cyprinella venusta (Black Tail Shiner)
1 Specimen

Jar #4

3/20/94

Navasoto River, North Side of Bank, 5 Miles South of Marqueea
Texas.

Habitat:River

Pimephales vigilax (Bullhead Minnow)
5 Specimens
Notropis lutrensis (Red Shiner)
16 Specimens
Gambusia affinis (Mosquitofish)
2 Specimens
Labidesthes sicculus (Brook Silverside)
2 Specimens
Percina sciera (Dusky Darter)
1 Specimen
Lepomis macrochirus (Bluegill)
1 Specimen

Jar #5

3/20/94

Little Brazos River, 6 miles S.W. of Bryan, Tx. Brazos Co.
Hwy 21 S.

Habitat:River

Pimephales vigilax (Bullhead Minnow)
6 Specimens
Fundulus olivaceus (Black Spotted Topminnow)
1 Specimen
Notropis brazosensis (Brazos River Shiner)
12 Specimens
Lepomis cyanellus (Green Sunfish)
1 Specimen
Lepomis punctatus (Spotted Sunfish)
1 Specimen
Lepomis marginatus (Dollar Sunfish)
1 Specimen
Carpiodes carpio (River Carpsucker)
1 Specimen

Notropis lutrensis (Red Shiner)
12 Specimens

Notropis oxyrhynchus (Sharphnose Shiner)

2 Specimens
Notropis venustus (Blacktail Shiner)
1 Specimen
Fundulus notatus (Blackstripe Topminnow)
1 Specimen
Dionda episcopa (Roundnose Minnow)
8 Specimens
Ictalurus punctatus (Channel Catfish)
2 Specimens

Jar #6

3/21/94

Hoppers Landing, 4 miles N. of Aransas National Wildlife
Refuge, Refugio Co. Hwy 239
Habitat: Estuarine Coast

Mugil curema (White Mullett)
8 Specimens
Anchoa hepsettus (Striped Anchovy)
25 Specimens
Membras martinica (Rough Silverside)
13 Specimens
Brevoortia patronus (Gulf Menhaden)
1 Specimen
Paralichthys albigutta (Gulf Flounder)
8 Specimens
Mugil cephalus (Striped Mullett)
1 Specimen
Lucania parva (Rainwater Killifish)
1 Specimen
Anchoa mitchilli (Bay Anchovy)
9 Specimens
Stellifer lanceolatus (Star Drum)
32 Specimens
Pogonias cromis (Black Drum)
34 Specimens
Cynoscion nebulosus (Spotted Sea Trout)
6 Specimens
Gobiosoma boscii (Naked Goby)
3 Specimens
Lagodon rhomboides (Pin Fish)
7 Specimens
Cyprinodon variegatus (Sheepshead Minnow)
4 Specimens

Jar #7

3/21/94

Aransas Co.
Habitat: Ocean

Symphurus plagiura (Black Cheek Tonguefish) "Patch"
1 Specimen

Sygnathus floridae (Dusky Pipefish)
13 Specimens
Bathygobius soporator (Frillfin Goby)
12 Specimens
Gobiosoma boscii (Naked Goby)
37 Specimens
Sygnathus scovelli (Gulf Pipefish)
14 Specimens
Fundulus grandis (Gulf Killifish)
4 Specimens
Cynoscion nebulosus (Spotted Sea Trout)
7 Specimens
Pogonias cromis (Black Drum)
2 Specimens
Brevoortia patronus (Gulf Menhaden)
3 Specimens
Fundulus similis (Longnose Killifish)
2 Specimens
Stellifer lanceolatus (Star Drum)
7 Specimens
Anchoa mitchilli (Bay Anchovy)
7 Specimens
Menidia peninsulae (Tidewater Silverside)
4 Specimens
Paralichthys albigutta (Gulf Flounder)
2 Specimens
Lagodon rhomboides (Pinfish)
1 Specimen
Labrisomus nuchipinnis (Hairy Blenny)
2 Specimens
Cyprinodon variegatus (Sheepshead Minnow)
1 Specimen

Jar #8

3/22/94

Mustang Island, North Padre Texas

Sygnathus floridae (Dusky Pipefish)
2 Specimens
Menticirrhus americanus (Southern Kingfish)
1 Specimen
Bothus ocellatus (Ocellated Flounder)
1 Specimen

Stellifer lanceolatus (Star Drum)
1 Specimen
Lagodon rhomboides (Pinfish)
1 Specimen
Brevoortia patronus (Gulf Menhaden)
1 Specimen
Harengula pensacolae (Scaled Sardine)
1 Specimen

Polydactylus octonemus (Atlantic Threadfin)
11 Specimens
Membras martinica (Rough Silverside)
5 Specimens

Jar #9

3/24/94

Brazos Island, 2 Miles N. of Boca Chica Tx. Rio Grande River,
N. Bank off Hwy 4, Cameron City
Habitat: Ocean

Harengula pensacolatae (Scaled Sardine)
1 Specimen
Sardinella anchovia (Spanish Sardine)
3 Specimens
Anchoa mitchilli (Bay Anchovy)
2 Specimens
Pogonias cromis (Black Drum)
1 Specimen
Polydactylus octonemus (Atlantic Threadfin)
7 Specimens
Urophycis floridanus (Southern Hake)
3 Specimens
Gobionellus boleosoma (Freshwater Goby)
13 Specimens
Sygnathus louisianae (Chain Pipefish)
1 Specimen
Anchoa cubana (Cuban Anchovy)
1 Specimen
Menidia beryllina (Tidewater Silverside)
9 Specimens
Membras martinica (Rough Silverside)
2 Specimens
Citharichthys spilopterus (Baywhiff Flounder)
15 Specimens

Jar #10

3/25/94

Lagoona Madre, 1/10th Mile N. of South Padre City on West
Side of Hwy 100, 1:30 p.m. Camcron Co.
Habitat: Backwater Lagoon

Hippocampus zosterae (Dwarf Seahorse)
1 Specimen
Hippocampus erectus (Lined Seahorse)
2 Specimens
Bathyrhynchus soporator (Frillfin Goby)
3 Specimens
Sygnathus floridae (Dusky Pipefish)
2 Specimens
Fundulus similis (Longnose Killifish)

3 Specimens
Sciaenops ocellata (Red Drum)
4 Specimens
Peprilus trigcanthes (Butterfish)
17 Specimens
Mugil cephalus (Striped Mullett)
1 Specimen
Gobiosoma robustum (Code Goby)
3 Specimens
Gobiosoma boscii (Naked Goby)
Menidia beryllina (Tidewater Silverside)
2 Specimens
Lucania parva (Rainwater Killifish)
9 Specimens

Jar #11

3/25/94
South Padre Island, Gulf of Mexico, 3 mi. N. of South Padre
City on East Side of Hwy 100 3:00 p.m. Cameron Co.
Habitat: Ocean Shore

Hippocampus erectus (Lined Seahorse)
1 Specimen
Urophycis floridanus (Southern Hake)
24 Specimens
Histrio histrio (Sargassum Fish)
3 Specimens

Jar #12

3/25/94
South Padre Island, S. End of S. Padre City 1/16th mile at
park off of Hwy 100 4:45 p.m. Cameron Co.
Habitat: Ocean Jetties

Dasyatis sabina (Atlantic Stingray) "Stingaree"
1 Specimen
Blennius cristatus (Molly Miller)
4 Specimens

Jar #13

3/22/94
Adolf Thome Jr. County Park, Hwy 2925 Texas Campground
Habitat: Estuarine

Arius felis (Hard Head Catfish)
1 Specimen

Georges Photograph

Atractosteus spatula (Alligator Gar)
1 Photograph

Jar #14

Schermerhorn Park

Luxilus cardinalis (Cardinal Shiner)

16 Specimens

Notropis rubellus (Rosyface Shiner)

5 Specimens

*

Threatened and Endangered Species

*

Etheostoma cragini (Arkansas Darter)

1 Photograph

George's Photograph

*

Nocomis asper (Red Spot Chub)

1 Photograph

George's Photograph

*

Noturus exilis (Slender Madtom)

1 Photograph

George's Photograph

*

Camptostoma anomalum (Central Stoneroller)

1 Photograph

George's Photograph

Etheostoma spectabile (Orange Throat Darter)

1 Specimen

Notropis umbratilis (Redfin Shiner)

1 Specimen

My Home Collection of Fish

Dorosoma cepedianum (Gizzard Shad)

1 Specimen

Trichogaster trichopterus (Three-Spot Gourami) "Blue Gourami"

2 Specimens

Macropodus opercularis (Paradisefish)

2 Specimens

My Current Live Aquarium Fish Species

- 2 Moonlight Gouramis
Trichogaster microlepis
- 2 Common Goldfish
Carassius carassius
- Countless Fancy Guppies
Poecilia reticulata
- 2 Redtail Botias
Botia modesta
- 2 Synodontis Catfish
Synodontis eruptus
- 1 Armored Plecostomus
Hypostomus plecostomus
- 1 Spotted Plecostomus
Hypostomus rachovi
- 4 Dwarf "Rabautis" Corydoras Catfish
Corydoras rabauti
- 2 Reticulated Corydoras Catfish
Corydoras reticulatus
- 4 Peppered Corydoras Catfish
Corydoras paleatus
- 2 Bronze Corydoras Catfish
- 2 Albino Bronze Corydoras
Corydoras aenus
- 2 Arched Corydoras Catfish
Corydoras arcuatus
- 2 Black Spotted Corydoras Catfish
Corydoras melanistus
- 3 Leopard "Julii" Corydoras Catfish
Corydoras julii

My Past Aquarium Fish Species

- 6 Clown Loaches "Tiger Botia"
Botia macracanthus
- 4 Coolie Loaches "Leopard Eel"
"Striped Loach" "Prickly Eye"
Acanthopthalmus kulii
- 2 Japanese Weatherfish "Weather Loach"
Misgurnus anguillicaudatus
- 4 Craggy Headed Banjo Catfish
Bunocephalus bunocephalus
- 4 Dwarf Suckermouth Catfish
Otocinclus affinis
- 1 Bumblebee Goby
Brachygobius xanthozona
- 4 Angelfish
Pterophyllum scalare
- 12 Neon Tetras "Cardinal"
Cheirodon axelrodi
- 4 Fighting Fish "Betta"
Betta splendens

People In The Ichthyology Class of 1994

Triplett James	Kyler Steve D.
Albertini Daniel T.	Lewman Peyton D.
Austin Allison M.	Luedke Brent D.
Bennett John	Macari Mark A.
Bohannon Jack R.	Murray John W.
Borovety Diane M.	Payne Ronald B.
Coester Aaron R.	Peterson Christopher C.
Dillon Rob S.	Schnurbusch Aaron P.
Doolin James P.	Taylor Andrea M.
Haslett Richard E.	Van Leeuwen Daniel J.
Hays Thomas C.	Hicks Elizabeth L.
Jagels Douglas M.	Thomas George L.
Kern Matthew E.	

People on Ichthyology Field Trip: Texas

Triplett James	
Albertini Daniel T.	Payne Ronald B.
Bohannon Jack R.	Peterson Christopher C.
Borovsky Diane M.	Schnurbusch Aaron P.
Doolin James P.	Taylor Andrea M.
Hays Thomas C.	Van Leeuwen Daniel J.
Kern Matthew E.	Hicks Elizabeth L.
Lewman Peyton D.	Thomas George L.

People on Ichthyology Field Trip: Schermerhorn Park

Triplett James	Kyler Steve D.
Albertini Daniel T.	Lewman Peyton D.
Coester Aaron R.	Payne Ronald B.
Dillon Rob S.	Peterson Christopher C.