

HYDROPTILIDAE (TRICHOPTERA) OF FLORIDA¹

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The present study resulted from the examination of light trap collections from 23 localities. The trap locations were scattered throughout the state from Laurel Hill, Okaloosa County, in the northwestern part to Big Pine Key, Monroe County, in the extreme southern part. In only one area were the light traps fairly closely grouped, these were the three locations in Jackson County and one in Gadsden County in the vicinity of the Jim Woodruff Dam. Clewiston, Hendry County, was the only locality from which no Hydroptilidae were taken. The period covered in the study was from January, 1957, to July, 1958, with a few scattered observations from 1956.

Twenty-six species, in six genera, totaling 9,102 specimens were taken, the identification being based on males. Of the 26 species four have been recently described as new. One species, *Oxyethira janella* Denning, recorded from Florida was not taken.

HYDROPTILA

berneri Ross: March, April, May. Alachua County (type locality), High Springs; 6 specimens.

lloganae Blickle: March-July, September, October, December. Chattahoochee (type locality), Goose Prairie, Highlands Hammock State Park, Temple Terrace; 31 specimens.

maculata (Banks): March-September. Fellsmere, Port Mayaca, Princeton, Temple Terrace; 761 specimens. This species was taken only at localities near the central and southern east coast or the central west coast of Florida.

molsonae Blickle: September. Highlands Hammock State Park (type locality); 2 specimens.

quinola Ross: April, May. Chattahoochee; 3 specimens.

remita Blickle and Morse: March-June, August, October-December. Chattahoochee, Highlands Hammock State Park, Keystone Heights, Sneads; 24 specimens. Previously this species was known only from the type locality, Durham, New Hampshire.

wakulla Denning: March-August, October. Highlands Hammock State Park, High Springs, Temple Terrace, Wakulla Springs (type locality); 399 specimens. All of the records are for 1957, even though the traps were operated in the same localities for the first six months of 1958.

waubesiana Betten: March-December. Chattahoochee, Goose Prairie, Lakeland, Laurel Hill, River Road (Jackson County), Sneads, Jim Woodruff Dam; 536 specimens.

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MAYATRICHIA

ayama Mosely: April. Madison; 1 specimen.

NEOTRICHIA

- elerobi* Blickle: April. Laurel Hill (type locality); 1 specimen.
minutisimella (Chambers): May, July. Highlands Hammock State Park, River Road (Jackson County); 2 specimens.
ranae Denning, synonym of *N. vibrans* Ross, Miami (type locality).
vibrans Ross: April-June, September. Chattahoochee, Madison, Miami (Denning), River Road (Jackson County), Temple Terrace; 22 specimens.

OCHROTRICHIA

- provosti* Blickle: July, Temple Terrace (type locality); 1 specimen.
tarsalis (Hagen): March-December, Temple Terrace; 1,487 specimens.
 This widespread species being taken at only one locality was surprising.

ORTHOTRICHIA

- americana* Banks: February-November. Chattahoochee, Fellsmere, Goose Prairie, Highlands Hammock State Park, Indrio, Keystone Heights, Lakeland, Leesburg, Miami (Denning), Port Mayaca, River Road (Jackson County), Sneads, Temple Terrace, Jim Woodruff Dam; 426 specimens.
baldufi Kingsolver and Ross: June 19, 1957, Chattahoochee, 1 specimen.
cristata Morton: April-July, September, Big Pine Key, Chattahoochee, Fellsmere, Miami (Denning), Sneads; 13 specimens.
curta Kingsolver and Ross: April, May, June, Goose Prairie; Highlands Hammock State Park; Temple Terrace (type locality); 41 specimens.
dentata Kingsolver and Ross: April, Temple Terrace (type locality); 9 specimens.
instabilis Denning: Winter Park (type locality).

OXYETHIRA

- abacatica* Denning: March, May-November, Chattahoochee, Keystone Heights, Jim Woodruff Dam; 225 specimens.
florida Denning: February, March, April, October, November, Miami (type locality), Temple Terrace; 1 specimen. The above records are from Denning (1947), except for April.
glasa Ross: January-December. Big Pine Key, Chattahoochee, Fellsmere, Fort Myers, Goose Prairie, Highlands Hammock State Park, Inverness, Keystone Heights, Lakeland, Lake Wales, Miami (Denning), Port Mayaca, River Road (Jackson County), Sneads, Temple Terrace, Vero Beach; 2,722 specimens. This was the most widespread and numerous species taken, however, sixty-five percent of the specimens were taken at Goose Prairie.
janella Denning: Type locality, Winter Park, May. Not taken in the present survey.

- lumosa* Ross: March, November. Chattahoochee, Daytona Beach (type locality), Goose Prairie, Highlands Hammock State Park, Inverness, Keystone Heights, Lake Wales, Lakeland, Laurel Hill, River Road (Jackson County), Sneads, Temple Terrace, Jim Woodruff Dam; 491 specimens. This species was taken only in the northern half of the state.
- maya* Denning: March-July, September-November. Chattahoochee, Fellsmere, River Road (Jackson County), Sneads, Jim Woodruff Dam; 25 specimens. This species, northern in distribution, was taken in the spring and fall but not the summer.
- novasota* Ross: March-May. Chattahoochee, Sneads; 6 specimens.
- pallida* (Banks): March-June. Chattahoochee, River Road (Jackson County), Sneads, Temple Terrace, Jim Woodruff Dam; 28 specimens. This species is closely related to *O. maya* and has the same distribution, however, it occurred only in the spring collections.
- verna* Ross: February-December. Chattahoochee, Fellsmere, Fort Myers, Goose Prairie, Highlands Hammock State Park, Indrio, Inverness, Keystone Heights, Lakeland, Leesburg, Madison, Miami (Denning), North Fort Myers, Port Mayaca, Sneads, Temple Terrace; 654 specimens. A widespread and numerous species.
- walteri* Denning: February-December. Big Pine Key, Chattahoochee, Fellsmere, Fort Myers, Goose Prairie, Highlands Hammock State Park, Keystone Heights, North Fort Myers, Miami (type locality), River Road (Jackson County), Sneads, Temple Terrace, Jim Woodruff Dam; 1,137 specimens. A widespread, numerous species.

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