

APPENDICES

Appendix: A Morphology of metacercariae



Fig. 2 Encysted metacercaria of *Opisthorchis viverrini*, showing the excretory bladder and the oral and ventral suckers.

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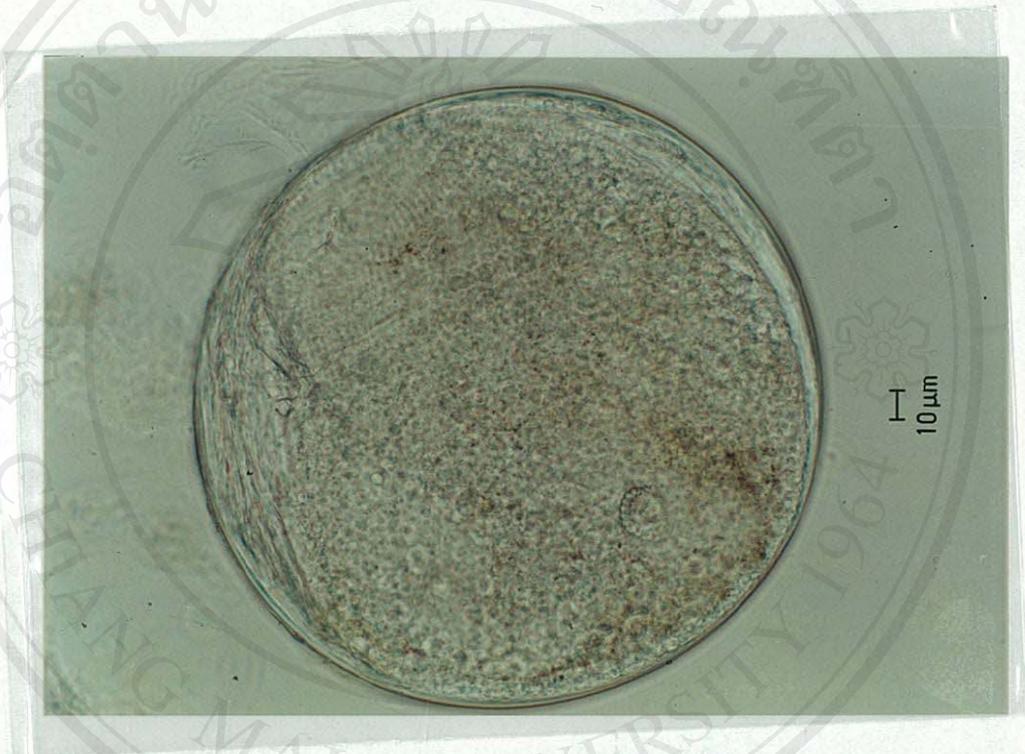
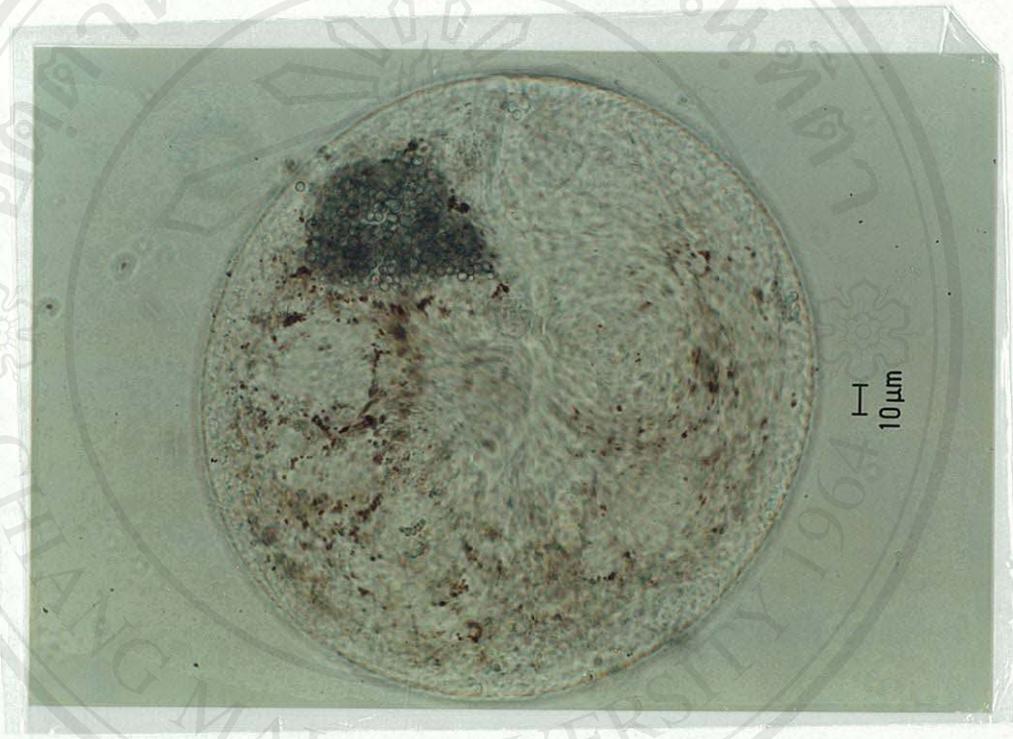


Fig. 3 Encysted metacercaria of *Haplorchis* sp. I, showing chitinous bar (fan-shaped) at ventrogenital sucker.

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**Fig. 4** Encysted metacercaria of *Haplorchis* sp. II , showing ventral sucker with numerous tiny spines.

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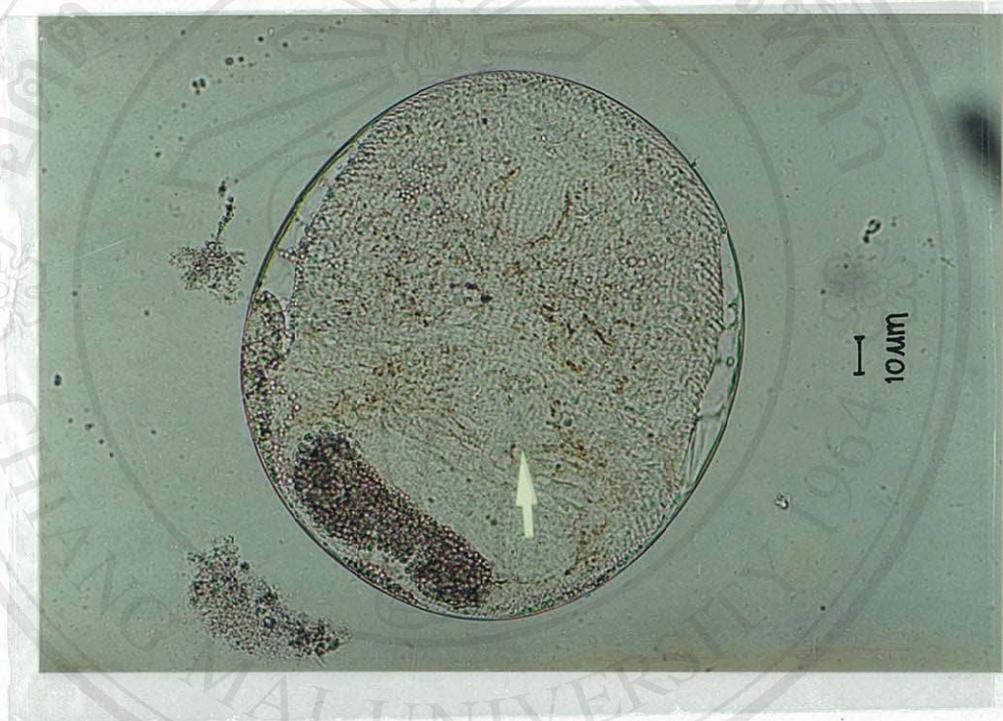
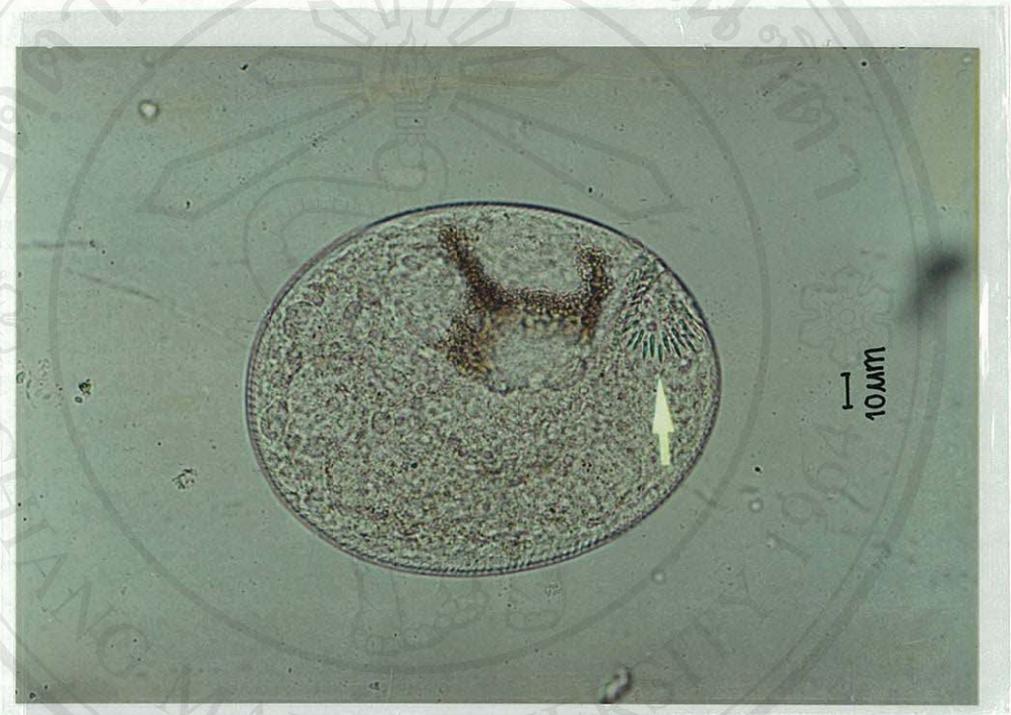


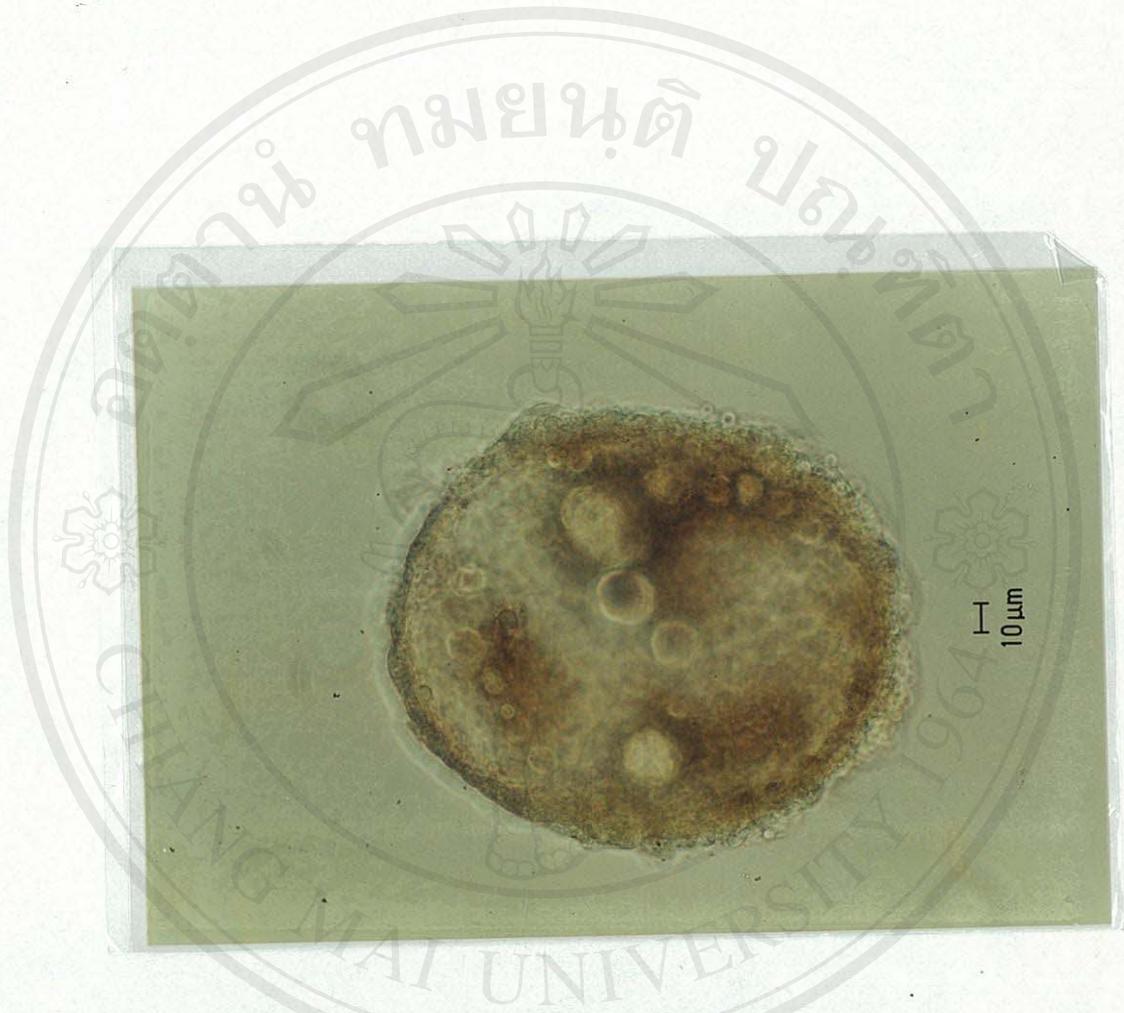
Fig. 5 Encysted metacercaria of *Haplorchis* sp. III, showing ventral sucker armed with incomplete circle of 32-40 sclerites.

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**Fig. 6** Encysted metacercaria of *Centrocestus* sp., showing oral sucker with two rings of collar spines.

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**Fig. 7** Completely degenerated metacercaria from "*pla-jom*".

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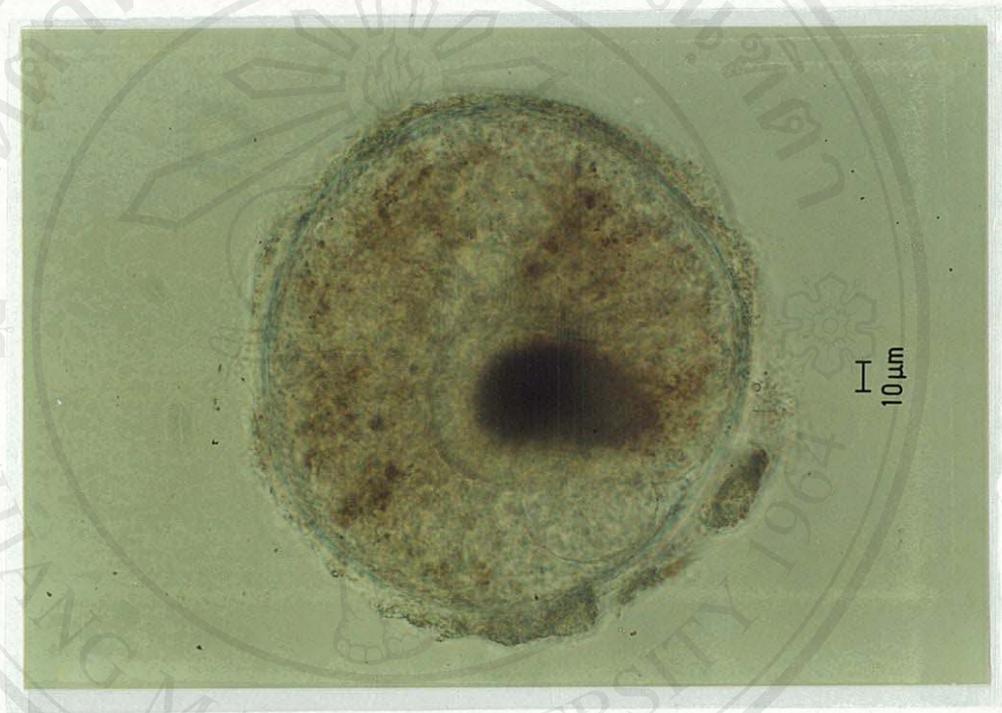


Fig. 8 Partially degenerated metacercaria from "*pla-jom*".

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## APPENDIX B

## Species of cyprinoid fish examined



Fig. 9 *Puntius leiacanthus* (Bleeker) (ปลาตะเพียนทราย)

**Description:** Body silver to light brownish silver, back darker with bluish shade.

A small, black, round spot on caudal peduncle. Dorsal fin somewhat yellowish; anal fin dusky yellow; pectoral fins hyaline to slightly grayish; pelvic fins orange-yellow; caudal fin gray.

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**Fig. 10** *Cyclocheilichthys repasson* (ปลาขาน้อย, ปลาขาน้อยไทย)

**Description:** Brownish with silvery sheen, dorsal part darker. Each scale on back and sides with a dark brown spot, which forms longitudinal interrupted stripes. A large black spot at base of caudal fin. Dorsal and caudal fin olive-red to dusky yellow; other fins light brownish yellow.

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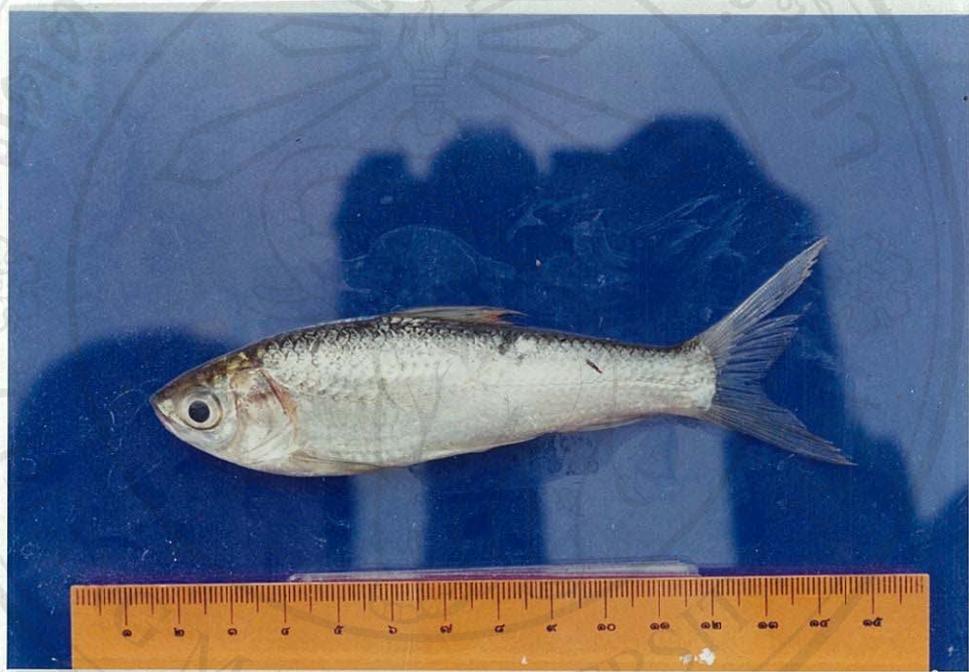


Fig. 11 *Osteochilus* sp. (ปลาสร้อย, ปลาหน้าหมอง)

**Description:** Body silvery white to light brownish silver. Dorsal fin grayish, sometimes with orange tint; caudal fin dusky; other fin hyaline.

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Fig. 12 *Esomus metallicus* (ปลาชีวา)

**Description:** Light brown with silvery metallic sheen. A dark lateral stripe extending from eye to base of caudal fin.

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Fig. 13 *Puntius gonionotus* (ปลาตะเพียนขาว, ปลาปาก)

**Description:** Body silver white, sometimes with golden tint. Dorsal and caudal fins gray to gray-yellow; anal and pelvic fins light orange, tip reddish; pectoral fins pale to light yellow.

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## APPENDIX C



**Fig. 14** View of a fish farm, showing water supply taken from an irrigation canal (on the right hand).

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