

## Studies on the Zoarcidae of the southern hemisphere. X. New records from western Antarctica

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### Abstract

Descriptions and some range extensions are given for 10 species of eelpouts ranging from the Ross to Weddell seas, Antarctica. The new specimens, from eight sampling cruises, broaden descriptive data previously reported by Anderson (1988) for *Dieidolycus leptodermatus*, *Lycenchelys antarctica*, *L. aratrirostris*, *L. argentina*, *Oidiphorus mcallisteri*, *Ophthalmolycys bothriocephalus*, *Pachycara brachycephalum* and *Seleniolycus laevifasciatus*. In addition, *Bothrocara molle*, previously known from Japan to Chile, is reported from off South Georgia in 1286–2187 m.

**Key words:** Antarctica, subantarctic, Zoarcidae, eelpouts, Ross Sea, Scotia Sea, Weddell Sea

### Introduction

In the most recent systematic review of southern polar zoarcids (Anderson, 1988), I treated 22 species occurring in the Antarctic Region (Andriashev, 1965; Anderson, 1990a). Since then, three other species from the area have been described: *Lycenchelys xanthoptera*, *Pachycara goni* (both Anderson, 1991) and *Dieidolycus gosztonyii* (Anderson and Pequeño-R., 1998), the latter from off Tierra del Fuego, but which may range well into the Scotia Sea. During the 1990s important new specimens were sent to me by various researchers allowing descriptive and geographic updates for 10 noteworthy species, all rare except *Pachycara brachycephalum*. That species is included here to document specimens with pelvic fins regressed or absent and a new lower depth range.

Specimens from the following trawl surveys were sent for examination: 1) Cruise ANT V/3, a German expedition to the Weddell Sea aboard the POLARSTERN in 1986; 2) Cruise ANT-VII (also EPOS-89), a German/EU expedition to the South Orkney Islands and Weddell Sea aboard the POLARSTERN in 1989; 3) Cruise S-011 of Woods Hole Oceanographic Institute to the Antarctic Peninsula area aboard the American ship POLAR DUKE in 1994; 4) Cruises 96-6 and 97-9 to the Ross Sea aboard the American ship