

**NEW FAMILY AND GENUS NAMES,  
NOVACAROCERATIDAE NOM. NOV. AND  
NOVACAROCERAS NOM. NOV., FOR ACAROCERATIDAE  
AND ACAROCERAS CHEN, QI & CHEN, 1979  
(MOLLUSCA: CEPHALOPODA)**

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ABSTRACT: A junior homonym was detected among the cephalopod genus group names and the following replacement name is proposed: *Novacaroceras* nom. nov. for *Acaroceras* Chen, Qi & Chen, 1979. Accordingly, new combinations are herein proposed for the species currently included in this genus. *Novacaroceras altocameratum* (Chen & Qi, 1980) comb. nov.; *Novacaroceras changshanense* (Li, 1984) comb. nov.; *Novacaroceras dadoushanense* (Li, 1984) comb. nov.; *Novacaroceras densum* (Chen & Zou, 1979) comb. nov.; *Novacaroceras duibianense* (Li, 1984) comb. nov.; *Novacaroceras elegantum* (Li, 1984) comb. nov.; *Novacaroceras endogastrum* (Chen, Qi & Chen, 1979) comb. nov.; *Novacaroceras jiagouense* (Chen & Qi, 1980) comb. nov.; *Novacaroceras magnitubulatum* (Li, 1984) comb. nov.; *Novacaroceras minus* (Li, 1984) comb. nov.; *Novacaroceras minutum* (Chen & Qi, 1980) comb. nov.; *Novacaroceras minysiphonatum* (Li, 1984) comb. nov.; *Novacaroceras multiseptatum* (Chen & Qi, 1980) comb. nov.; *Novacaroceras rectoconum* (Chen, Qi & Chen, 1979) comb. nov.; *Novacaroceras rectum* (Chen & Qi, 1980) comb. nov.; *Novacaroceras semicollum* (Chen & Qi, 1980) comb. nov.; *Novacaroceras shanbeilingense* (Li, 1984) comb. nov.; *Novacaroceras stenotubulum* (Chen & Qi, 1980) comb. nov.; *Novacaroceras subcircinatum* (Chen & Qi, 1980) comb. nov.; *Novacaroceras taozhuangense* (Chen & Qi, 1980) comb. nov.; *Novacaroceras xiyangshanense* (Li, 1984) comb. nov.; *Novacaroceras ventrolobatum* (Chen & Qi, 1980) comb. nov. and *Novacaroceras zhejiangense* (Li, 1984) comb. nov.. In addition, I propose the replacement name Novacaroceratidae new name for the family name Acaroceratidae.

KEY WORDS: nomenclatural change, homonymy, replacement name, Acaroceratidae, *Acaroceras*.

**Remarks on nomenclatural change**

Firstly, the genus name *Acaroceras* was proposed by Grandjean (1936) with the type species *Acaroceras odontotus* Grandjean, 1936 by original designation from Venezuela in Acari (Oribatida: Microzetidae). The valid genus *Acaroceras* Grandjean, 1936 has at least 3 subgenera as the nominotypical subgenus (18 spp.), *Trichacaroceras* S. Mahunka, 1991 with the type species *Acaroceras africanus* S. Mahunka, 1991 from Cape Verde (only 1 sp.) and *Malgoceras* S. Mahunka, 1993 with the type species *Acaroceras helleri* S. Mahunka, 1993 from Madagascar (only 1 sp.).

Subsequently, the fossil genus *Acaroceras* was described by Chen, Qi & Chen (1979) with the type species *Acaroceras endogastrum* Chen, Qi & Chen, 1979 by original designation from China in Mollusca (Cephalopoda: Nautiloidea: Ellesmerocerida: Acaroceratidae). The name is currently used as a valid generic

name in Ellesmerocerida as the type genus of the family Acaroceratidae Chen, Qi & Chen, 1979.

However, the name *Acaroceras* Chen, Qi & Chen, 1979 is invalid under the rule of homonymy, being a junior homonym of *Acaroceras* Grandjean, 1936. Under the International Code of Zoological Nomenclature (ICZN 1999) it must be rejected and replaced. In accordance with article 60 of the International Code of Zoological Nomenclature, fourth edition (1999), I propose to substitute the junior homonym *Acaroceras* Chen, Qi & Chen, 1979 for the nomen novum *Novacaroceras*. As a result of this, *Acaroceras* Chen, Qi & Chen, 1979 is replaced with *Novacaroceras* new name. The following new combination is established: *Novacaroceras endogastrum* (Chen, Qi & Chen, 1979) new combination, along with twenty-two other new combinations for all twenty-three valid species currently included in *Acaroceras* Chen, Qi & Chen, 1979.

In addition to this, I herein propose the replacement name Novacarocetidae new name for the family name Acaroceratidae because its type genus *Acaroceras* Chen, Qi & Chen, 1979 is invalid and the type genus of a family-group name must be valid.

## SYSTEMATICS

Order Ellesmerocerida

Family **Novacaroceratidae** new name

Acaroceratidae Chen, Qi & Chen, 1979

**Type genus.**— *Novacaroceras* new name.

**Remarks.**—The name *Acaroceras* has been used in Ellesmerocerida as a stem for a family-group name, and should be automatically replaced with the new name.

Genus **Novacaroceras** new name

*Acaroceras* Chen, Qi & Chen, 1979, junior homonym of *Acaroceras* Grandjean, 1936.

*Acaroceras* Chen, Qi & Chen, 1979. Acta palaeont. sin. 18 (2): 115. (Mollusca: Cephalopoda: Nautiloidea: Ellesmerocerida: Acaroceratidae). Preoccupied by *Acaroceras* Grandjean, 1936. Bull. Soc. zool. Fr., 61: 77. (Acari: Oribatida: Microzetidae).

**Type species.**— *Acaroceras endogastrum* Chen, Qi & Chen, 1979 by original designation.

**Etymology.**— from the current generic name *Acaroceras*.

**Species account and distribution.** — Twenty-three species; known from China.

The following new combinations are proposed and the species is removed from *Georgina*:

*Novacaroceras altocameratum* (Chen & Qi, 1980) **new combination**

Syn.: *Acaroceras altocameratum* Chen & Qi, 1980

*Novacaroceras changshanense* (Li, 1984) **new combination**

Syn.: *Acaroceras changshanense* Li, 1984

*Novacaroceras dadoushanense* (Li, 1984) **new combination**

Syn.: *Acaroceras dadoushanense* Li, 1984

*Novacaroceras densum* (Chen & Zou, 1979) **new combination**

Syn.: *Acaroceras densum* Chen & Zou, 1979

- Novacaroceras duibianense* (Li, 1984) **new combination**  
Syn.: *Acaroceras duibianense* Li, 1984
- Novacaroceras elegantum* (Li, 1984) **new combination**  
Syn.: *Acaroceras elegantum* Li, 1984
- Novacaroceras endogastrum* (Chen, Qi & Chen, 1979) **new combination**  
Syn.: *Acaroceras endogastrum* Chen, Qi & Chen, 1979
- Novacaroceras jiagouense* (Chen & Qi, 1980) **new combination**  
Syn.: *Acaroceras jiagouense* Chen & Qi, 1980
- Novacaroceras magnitubulatum* (Li, 1984) **new combination**  
Syn.: *Acaroceras magnitubulatum* Li, 1984
- Novacaroceras minus* (Li, 1984) **new combination**  
Syn.: *Acaroceras minus* Li, 1984
- Novacaroceras minutum* (Chen & Qi, 1980) **new combination**  
Syn.: *Acaroceras minutum* Chen & Qi, 1980
- Novacaroceras minysiphonatum* (Li, 1984) **new combination**  
Syn.: *Acaroceras minysiphonatum* Li, 1984
- Novacaroceras multiseptatum* (Chen & Qi, 1980) **new combination**  
Syn.: *Acaroceras multiseptatum* Chen & Qi, 1980
- Novacaroceras rectoconum* (Chen, Qi & Chen, 1979) **new combination**  
Syn.: *Acaroceras rectoconum* Chen, Qi & Chen, 1979
- Novacaroceras rectum* (Chen & Qi, 1980) **new combination**  
Syn.: *Acaroceras rectum* Chen & Qi, 1980
- Novacaroceras semicollum* (Chen & Qi, 1980) **new combination**  
Syn.: *Acaroceras semicollum* Chen & Qi, 1980
- Novacaroceras shanbeilingense* (Li, 1984) **new combination**  
Syn.: *Acaroceras shanbeilingense* Li, 1984
- Novacaroceras stenotubulum* (Chen & Qi, 1980) **new combination**  
Syn.: *Acaroceras stenotubulum* Chen & Qi, 1980
- Novacaroceras subcircinatum* (Chen & Qi, 1980) **new combination**  
Syn.: *Acaroceras subcircinatum* Chen & Qi, 1980
- Novacaroceras taozhuangense* (Chen & Qi, 1980) **new combination**  
Syn.: *Acaroceras taozhuangense* Chen & Qi, 1980
- Novacaroceras xiyangshanense* (Li, 1984) **new combination**  
Syn.: *Acaroceras xiyangshanense* Li, 1984
- Novacaroceras ventrolobatum* (Chen & Qi, 1980) **new combination**  
Syn.: *Acaroceras ventrolobatum* Chen & Qi, 1980
- Novacaroceras zhejiangense* (Li, 1984) **new combination**  
Syn.: *Acaroceras zhejiangense* Li, 1984

**LITERATURE CITED**

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