10. CEPHALOPODA

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INTRODUCTION.

In arranging a list of fossil Cephalopoda of the Malayan Archipelago it soon proved that the bulk were found on Timor. On some of the other islands viz. Rotti, the Sula islands, Taliabu and Mangoli, Buru, the Misol Archipelago and Sumatra a good deal have been found also. The oldest informations on the occurrence in the Archipelago date from 1705. RUMPHIUS described (jurassic) *belemnites* or *dactyli idaei* as he called them which were found on the island Taliabu. That old information is important as later it was the direct cause of the carrying out of further investigations on the Sula islands and in the Molucs (VERBEEK, BOEHM, SIBOGA expedition). Important material has already been found there (BROUWER, BOEHM) and these discoveries are sufficient to suppose that on these islands still more very important stratigraphical as well as palaeontological information is yet to be found. In 1865 BEYRICH published a short paper on fossil cephalopods and other fossils in Timor. MARTIN gave in 1880 in „die Tertiärschichten von Java", a description of *Nautilus javanus*, the only tertiary representative of this order from the archipelago known in literature. This species is the only fossil cephalopod found on Java. In the same year yet another paper appeared by ROEMER on permian fossils from Sumatra (collected by VERBEEK). This formed the commencement of the great series which culminated in the descriptions of the fossils collected by the expeditions on Timor in „Palaeontologie von Timor" and some volumes of the „Jaarboek van het Mijnwezen in Nederlandsch Indië". These and other descriptions have already given us much stratigraphical and palaeontological information about pretertiary sedimentary rocks on several islands.

Up to this time the cretaceous cephalopods are scarce. The bulk belong to the Triassic, whereas both the Permian and the Jurassic period have known a rich fauna of cuttle-fish in the region of the recent archipelago. Besides *Nautilus javanus* MART. only one other tertiary cephalopod has been described viz. *Kapal batavus* MART. This fossil is the only known representative in the archipelago of the fossil *Argo-*

nautidae. Some papers of little importance for our purpose, many of which are practically a repetition of those already named here, have been omitted in the bibliography.

More than once I have found references concerning the occurrence of fossil cephalopods only part of which have afterwards been studied. Also those fossils that have as yet only been studied superficially have been quoted here as even they are not without value for stratigraphical purposes and dispersed as they are in several papers they will now be less difficult to find.

Concerning the arrangement of these fossils I should have prefered an alphabetical list of all the different species, or an alphabetical list of the different orders, *Nautiloidea, Ammonoidea, Belemnoidea* and *Octopoda* as this list only deals with one class of animals. Moreover the systematic arrangement of fossil cephalopods is not yet so well established as that of different other classes. As, however, all the other lists in this volume have been arranged systematically the same method has been adopted here and the well known handbook of ZITTEL may be our principal guide. In the order of *Nautiloidea* the old genus *Nautilus* has been divided by some authors into different subgenera (HANIEL) whereas others divide the great family *Nautilidae* in equivalent families (MOJSISOVICS, DIENER etc.). In our case arrangement in different families presents difficulties. Thus of the *Nautiloidea* except the family of *Orthoceratidae* only the old family of the *Nautilidae* appears. The *Ammonoidea* have also been arranged according to ZITTEL's handbook. Some families of the *Ammonitidae* quoted there have also been divided by recent authors (MOJSISOVICS, ARTHABER etc.) and genera have been placed in an other family viz. *Monophyllites* etc. The *Belemnoidea* could readily be divided according to STOLLEY and others. For this reason that arrangement has been chosen here.

Where I found „nomina aperta", species provisionally classified or perhaps rather too badly preserved for being classified, such with the additions as sp. ind., sp. ind. ex aff., cf., aff. and ex aff., I always added the name of the author. Sometimes two or even more of those specimens bear the same name although one cannot suppose that they are identical. By this means they can easily be distinguished.

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LIST OF SPECIES. *)

Class CEPHALOPODA.

Sub-Class TETRABRANCHIA.

Order NAUTILOIDAE.

FAM. ORTHOCERATIDAE.

Actinoceras ? sp. ind. K. Mart. — Palaeozoic New Guinea, Bibl. 65, p. 93, 101. See Orthoceras (Actinoceras ?) sp. ind. K. Mart.

Orthoceras cf. austriacum (v. Mojs.) v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 13, pl. 61, fig. 12, pl. 62, fig. 8.

„ bitauniense Han. — Lower Permian, Timor, Bibl. 28, p. 14, pl. 56, fig. 5.

„ dubium v. Hauer. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 8, textfig. 1.

„ indo-australicum v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 12, pl. 61, fig. 16, pl. 62, fig. 7.

„ maubesiense Han. — Lower Permian, Timor, Bibl. 28, p. 143, pl. 54, fig. 6.

„ Mojsisovici Salom. — Middle and Upper Triassic (Ladinian, Karnian-Norian), Timor, Bibl. 18, p. 11, pl. 61, fig. 9, 10, pl. 62, fig. 10.

„ Mojsisovici Salom. var. sulcata v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 11, pl. 61, fig. 11, pl. 62, fig. 11.

„ multilabiatum v. Hauer. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 9.

„ orientale Flieg. — Permian, Sumatra, Bibl. 23, p. 119, pl. 8, fig. 16; 72, p. 301, pl. 3, fig. 5; 71, p. 10, pl. 3, fig. 5. See Orthoceras undulatum Flem. (O. annulatum Phill. non Sow.).

„ pulchellum v. Hauer. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 12.

„ pulchristriatum v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 13, pl. 61, fig. 15, pl. 62, fig. 9.

„ rotundulum v. Bül. — Middle Triassic (Anisian), Timor, Bibl. 18, p. 10, pl. 61, fig. 13, 14.

„ cf. styriacum (v. Mojs.) v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 12.

„ triadicum v. Mojs. — Triassic (Karnian-Norian), Timor, Bibl. 18, p. 9.

„ undulatum Flem. (O. annulatum Phill. non Sow.) — Permian, Sumatra, Bibl. 72, p. 301, pl. 3, fig. 5; 71, p. 10, pl. 3, fig. 5. See Orthoceras orientale Flieg.

*) In this list of species always follows a new number of the bibliography after a semicolon.

Orthoceras Verbeeki Han. — Lower (and Upper) Permian, Timor, Bibl. 28, p. 140, pl. 56, fig. 6.
„ Welteri Han. — Lower Permian, Timor, Bibl. 28, p. 142, pl. 56, fig. 3, 4.
„ sp. ind. 1 v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 14.
„ sp. ind. 2 v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 15.
„ sp. ind. 3 v. Bül. — Middle Triassic (Ladinian), Timor, Bibl. 18, p. 15.
„ sp. ind. 4 v. Bül. — Lower Triassic, Timor, Bibl. 18, p. 15.
„ sp Gerth. — Upper Triassic (Karnian-Norian), Sumatra, Bibl. 68, p. 277.
„ sp. indet. No. 1 Han. — Lower Permian, Timor, Bibl. 28, p. 143
„ sp. indet. No. 2 Han. — Lower Permian, Timor, Bibl. 28, p. 144, textfig. 38.
„ sp. indet. No. 3 Han. — Lower Permian, Timor, Bibl. 28, p. 145.
„ sp. indet. No. 4 Han. — Lower Permian, Timor, Bibl. 28, p. 145.
„ (Actinoceras?) sp. indet. K. Mart. — Palaeozoic, New Guinea, Bibl. 65, p. 93, 101.
„ sp. indet. K. Mart. — Permian, Timor[1]), Bibl. 55, p. 33; 56, p. 103.
„ sp. Rothpl. — Permian, Timor, Bibl. 75, p. 86; 76, p. 57.
„ spec. Umbgr. — Permian, Sumatra, Bibl. 68, p. 283.
„ sp. Zwierz. — Permian, Sumatra, Bibl. 100, p. 21.

FAM. NAUTILIDAE.

Callaionautilus Kiesl. nov. gen. — Upper Triassic, Timor, Bibl. 34, p. 93.
„ turgidus Kiesl. — Upper Triassic (Norian), Timor, Bibl. 34, p. 93, pl. 5, fig. 1, textfig. 20, 21. See Proclydonautilus turgidus Kiesl.
Clydonautilus biangularis v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 34, p. 66, 129, pl. 1, fig. 5, textfig. 5; 95, p. 215, textfig. 85—88.
„ (Cosmonautilus) cicatricosus Kiesl. — Upper Triassic (Norian), Timor, Bibl. 34, p. 72, pl. 1, fig. 2, textfig. 8.
„ compressus Welt. — Upper Triassic (Norian), Timor, Bibl. 34, p. 65, pl. 7, fig. 1; 95, p. 217, pl. 32, fig. 9, 15, textfig. 92.
„ Ermollii Dien. — Upper Triassic (Karnian-Norian), Timor, Bibl. 34, p. 64, pl. 3, fig. 2, textfig. 4.
„ glaber Kiesl. — Upper Triassic (Norian), Timor, Bibl. 34, p. 74, pl. 2, fig. 2.
„ (Cosmonautilus) Jonkeri Kiesl. — Upper Triassic, Timor, Bibl. 34, p. 130, 92, pl. 6, fig. 2. See Proclydonautilus (Cosmonautilus) Jonkeri Kiesl.

Clydonautilus Kieslingeri Pak. — ? Upper Triassic, Timor, Bibl. 70, p. 212, pl. 2, fig. 6.

„ noricus v. Mojs. var. timorensis Welt. — Upper Triassic (Lower Norian), Timor[2]), Bibl. 34, p. 67; 95, p. 215, textfig. 89—91.

„ Quenstedti v. Hauer. — Upper Triassic (Norian), Timor, Bibl. 34, p. 70, 85, 129, pl. 2, fig. 1, textfig. 7. See Proclydonautilus griesbachiformis Dien.

„ Salisburgensis v. Hauer. — Upper Triassic (Norian), Timor, Bibl. 34, p. 68, 129, pl. 3, fig. 1, textfig. 6; 95, p. 221, pl. 35, fig. 1, textfig. 99, 100. See Gonionautilus (?) Salisburgensis timorensis Welt.

„ sp. ind. aff. Salisburgensi (v. Hauer) Kiesl. — Upper Triassic (Karnian-Norian), Timor, Bibl. 34, p. 70.

Cosmonautilus cf. Dilleri (Hyatt et Smith) Welt. — Upper Triassic (Upper Karnian), Timor, Bibl. 95, p. 218, pl. 33, fig. 1—3, textfig. 93—98. See Proclydonautilus (Cosmonautilus) Dilleri Hyatt et Smith.

„ malayicus Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 220, pl. 32, fig. 4—6. See Proclydonautilus (Cosmonautilus) malayicus Welt.

Discites (Domatoceras Hyatt) Arthaberi Han. — Lower Permian, Timor, Bibl. 28, p. 129, pl. 55, fig. 1, 2, textifig. 37.

Endolobus (Solenocheilus M. et W.) Brouweri Han. — Lower Permian, Timor, Bibl. 28, p. 126, pl. 54, fig. 3, pl. 55, fig. 5.

Gonionautilus? Salisburgensis timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 221, pl. 35, fig. 1, textfig. 99, 100. See Clydonautilus Salisburgensis v. Hauer.

Grypoceras involutum Kiesl. — Upper Triassic (Karnian-Norian), Timor, Bibl. 34, p. 95, 139, pl. 1, fig. 7, textfig. 22.

„ sp. ind. aff. quadrangulo Beyr. — Middle Triassic (Anisian), Upper Triassic (Norian), Timor, Bibl. 34, p. 96, textfig. 23.

„ cf. suessiiforme Dien.[3]) — Upper Triassic (Karnian), Timor, Bibl. 95, p. 225, pl. 34, fig. 4, 5, textfig. 103.

Juvavionautilus Brouweri Kiesl. — Upper Triassic, Timor, Bibl. 34, p. 98, pl. 1, fig. 3, textfig. 24.

„ geyeriformis Kiesl. — Upper Triassic (Karnian-Norian), Timor, Bibl. 34, p. 99, textfig. 25.

„ trapezoidalis v. Hauer. — Upper Triassic (Norian), Timor, Bibl. 34, p. 139.

Mojsvaroceras spec. nov. ind. Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 132, pl. 94, fig. 2.

Nautiloidarum sp. Klein.[4]) — Permian, Sumatra, Bibl. 35, p. 1082.

Nautilus cfr. astacoides (Y. et B.) Krumb. — Lias Rotti, Bibl. 50, p. 166, pl. 15, fig. 2.

„ aff. baconico (Vadász) Krumb. — Middle Lias Rotti, Bibl. 50, p. 168, pl. 14, fig. 7, pl. 15, fig. 3.

„ (Aganides Zitt.) bitauniensis Han. — Lower Permian, Timor, Bibl. 28, p. 132, pl. 55, fig. 3.

Nautilus aff. clauso (d'Orb.) Krumb. — Lower Dogger, Rotti, Bibl. 50, p. 167, pl. 15, fig. 1.
„ javanus Mart. — Upper Miocene Java, Bibl. 54, p. 8, pl. 1, fig. 1; 66, p. 103.
„ sp. cfr. Jourdani (E. Dum.) Krumb. — Lias (M. and Up.) Rotti, Bibl. 50, p. 163, pl. 15, fig. 4.
„ spec. ind. (ex aff. cf. Kraffti v. Mojs.) Jaw. — Upper Triassic (Norian), Misol, Bibl. 31, p. 131, pl. 45, fig. 21.
„ Molengraaffi Han. — Lower Permian, Timor, Bibl. 28, p. 134, pl. 55, fig. 6.
„ sp. ind. aff. pseudorugoso (v. Pia) Kiesl. — ? Lias, Timor, Bibl. 34, p. 117, textfig. 31.
„ aff. striato Sow. — Lias (L. and M.) Rotti, Bibl. 50, p. 164, pl. 15, fig. 5.
„ sp. cfr. striatus (Sow.) Krumb. — Lias (L. and M.) Rotti, Bibl. 50, p. 164, pl. 14, fig. 5, 6.
„ (Indonautilus) subbambanagensis Krumb. — Upper Triassic (Lower Norian), Buru, Bibl. 49, p. 86, pl. 6, fig. 11, 12, pl. 7, fig. 1, textfig. 5.
„ trichinopolitensis Blanf. — Upper Cretaceous, Borneo, Bibl. 58, p. 191, pl. 21, fig. 2; 57, p. 67, pl. 21, fig. 2.
„ tuberosus? Mac Coy. — Permian, Sumatra, Bibl. 72, p. 300, pl. 3, fig. 3; 71, p. 9, pl. 3, fig. 3; 23, p. 119, pl. 8, fig. 13. See Temnocheilus (Metacoceras) Hayi Hyatt.
„ Wanneri Han. — Lower Permian, Timor, Bibl. 28, p. 136, pl. 55, fig. 4, pl. 56, fig. 1.
„ sp. G. Boehm. — Jurassic Misol, Bibl. 11, p. 208.
„ sp. G. Boehm. — Permian, Timor, Bibl. 84, p. 661.
„ sp. (ind.) G. Boehm. — Jurassic (Callovian), Taliabu, Bibl. 7, p. 139.
„ spec. Gerth. — Upper Triassic (Karnian-Norian), Sumatra, Bibl. 68, 277.
„ sp. indet. No. 1 Han. — Permian, Timor, Bibl. 28, p. 138.
„ sp. indet. No. 2 Han. — Lower Permian, Timor, Bibl. 28, p. 138, pl. 54, fig. 5, pl. 56, fig. 2.
„ sp. indet. No. 3 Han. — Upper Permian, Timor, Bibl. 28, p. 139.
„ sp. indet. No. 4 Han. — Lower Permian, Timor, Bibl. 28, p. 139.
„ sp. indet. No. 5 Han. — Lower Permian, Timor, Bibl. 28, p. 139.
„ sp. Krumb. — Lias Rotti, Bibl. 50, p. 168, pl. 14, fig. 4.
„ sp. Krumb. — Jurassic (Lias), Timor, Bibl. 51, p. 104, pl. 174, fig. 24.
„ sp. F. Roem. — Permian, Sumatra, Bibl. 72, p. 301, pl. 3, fig. 4; 71, p. 10, pl. 3, fig. 4; 23, p. 120, pl. 8, fig. 15. See Pleuronautilus sumatrensis Flieg. and P. Loczyi Flieg.
„ sp. Rothpl. — Permian, Timor, Bibl. 75, p. 86; 76, p. 57.
Paranautilus cassis Kiesl. — Upper Triassic (Karnian-Norian), Timor, Bibl. 34, p. 61, pl. 1, fig. 1, textfig. 3.

Paranautilus meridianus Welt. — Upper Triassic, Timor, Bibl. 95, p. 205, pl. 31, fig. 4—6.

„ sundaicus Welt. — Upper Triassic (Norian), Timor, Bibl. 34, p. 59, 127, textfig. 1; 95, p. 206, pl. 31, fig. 1—3.

„ cf. sundaicus (Welt.) Kiesl. — Upper Triassic (Norian), Timor, Bibl. 34, p. 60, 127, pl. 7, fig. 2, textfig. 2.

„ sp. ind. Kiesl. — Upper Triassic, Timor, Bibl. 34, p. 127.

Phloioceras nov. sp. ind. ex aff. gemmati (v. Mojs.) Welt. — Upper Triassic (Lower Karnian?), Timor, Bibl. 95, p. 230, pl. 34, fig. 6, 8, 9. See Phloioceras Welteri Kiesl.

„ Welteri Kiesl. — Upper Triassic (Karnian), Timor, Bibl. 34, p. 116, 145, pl. 4, fig. 2; 95, p. 230, pl. 34, fig. 6, 8, 9. See Phloioceras nov. sp. ind. ex aff. gemmati (v. Mojs.) Welt.

„ sp. ind. Welt. — Upper Triassic (Karnian), Ceram, Bibl. 97, p. 245.

Pleuronautilus dyadicus Han. — Lower Permian, Timor, Bibl. 28, p. 128. pl. 54, fig. 4.

„ (Enoploceras) sp. ind. ex aff. Gaudryi (v. Mojs.) Welt. — Upper Triassic (Lower Norian), Timor, Bibl. 95, p. 226, textfig. 104, 105.

„ (Enoploceras) Lepsiusi v. Mojs. — Upper Triassic (Karnian-Norian), Timor, Bibl. 34, p. 105, pl. 1, fig. 6.

„ (Enoploceras) cf. Lepsiusi (v. Mojs.) Kiesl.[5]) — Upper Triassic (Karnian-Ladinian), Timor, Bibl. 34, p. 106, pl. 5, fig. 2; 95, p. 226, pl. 34, fig. 1—3.

„ (Enoploceras) cf. Lepsiusi (v. Mojs.) Welt.[6]) — ? Middle-Upper Triassic (Ladinian?-Norian), Timor, Bibl. 95, p. 226, pl. 34, fig. 1—3; 34, p. 121.

„ (Enoploceras) nov. spec. ind. ex aff. Lepsiusi (v. Mojs.) Welt. — Upper Triassic (Lower Norian), Timor, Bibl. 95, p. 228, pl. 34, fig. 7, 10. See Pleuronautilus (Enoploceras) Molengraaffi Kiesl.

„ (Enoploceras) sp. ind. aff. Lepsiusi (v. Mojs.) Kiesl. — Upper Triassic, Timor, Bibl. 34, p. 106.

„ Lóczyi Flieg. — Permian, Sumatra, Bibl. 23, p. 120, pl. 8, fig. 14; 72, p. 301; 71, p. 10. See Nautilus sp. F. Roem.

„ (Enoploceras) malayicus Welt. — Upper Triassic, Timor, Bibl. 34, p. 107, pl. 4, fig. 1, textfig. 27; 95, p. 229, pl. 34, fig. 11—13, textfig. 107.

„ (Enoploceras) cf. malayicus (Welt.) Kiesl. — Upper Triassic, Timor, Bibl. 34, p. 108.

„ (Enoploceras) Molengraaffi Kiesl. — Upper Triassic (Lower Norian), Timor, Bibl. 34, p. 110, pl. 1, fig. 7, pl. 4, fig. 4; 95, p. 228, pl. 34, fig. 7, 10. See Pleuronautilus (Enoploceras) nov. sp. ind. ex aff. Lepsiusi (v. Mojs.) Welt.

„ multituberculatus Waag. — Permian, Sumatra, Bibl. 83, p. 168, 540.

Pleuronautilus (Enoploceras) pseudoplanilateratus Kiesl. — Upper Triassic (Karnian), Timor, Bibl. 34, p. 109, pl. 2, fig. 3.
„ (Enoploceras) nov. sp. ind. aff. planilaterato (v. Hauer) Kiesl. — Upper Triassic, Timor, Bibl. 34, p. 110.
„ (Enoploceras) pseudowulfeni Kiesl. — Upper Triassic (Karnian-Norian), Timor, Bibl. 34, p. 113, 114, textfig. 29.
„ (Holconautilus) cf. striatus (v. Hauer) Kiesl. — Middle Triassic (Anisian), Timor, Bibl. 34, p. 101, pl. 4, fig. 3.
„ (Holconautilus) nov. sp. ind. aff. striato (v. Hauer) Kiesl. — Middle Triassic (Anisian), Timor, Bibl. 34, p. 101, textfig. 26.
„ sumatrensis Flieg. — Permian, Sumatra, Bibl. 23, p. 120, pl. 8, fig. 15; 72, p. 301, pl. 3, fig. 4; 71, p. 10, pl. 3, fig. 4. See Nautilus sp. F. Roem.
„ (Enoploceras) tibeticus v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 34, p. 108.
„ Enoploceras) wulfeniformis Kiesl. — Upper Triassic, Timor, Bibl. 34, pl. 111, pl. 5, fig. 3, textfig. 28.
„ (Enoploceras) nov. sp. ex aff. Wulfeni (v. Mojs.) Kiesl. — Upper Triassic, Timor, Bibl. 34, p. 115, textfig. 30.
„ spec. Umbgr. — Permian, Sumatra, Bibl. 68, p. 283.
Proclydonautilus angustus Kiesl. — Upper Triassic (Norian), Timor, Bibl. 34, p. 77, pl. 7, fig. 3.
„ buddhaicus Dien. — Upper Triassic (Karnian), Timor, Bibl. 34, p. 75, 131, textfig. 9.
„ (Cosmonautilus) Dilleri Hyatt et Smith. — Upper Triassic (Upper Karnian), Timor, Bibl. 34, p. 87, pl. 3, fig. 3, textfig. 17, 18?; 95, p. 218, pl. 33, fig. 1—3, textfig. 93—98. See Cosmonautilus cf. Dilleri (Hyatt et Smith) Welt.
„ (Cosmonautilus) Dilleri Hyatt et Smith an malayicus Welt. — Upper Triassic (Karnian), Timor, Bibl. 34, p. 92.
„ (Cosmonautilus) Dilleri Hyatt et Smith var. spiralis Kiesl. — Upper Triassic, Timor, Bibl. 34, p. 90, pl. 6, fig. 1.
„ (Cosmonautilus) cf. Dilleri (Hyatt et Smith) Kiesl. — Upper Triassic (Karnian-Norian), Timor, Bibl. 34, p. 90, textfig. 19.
„ discoidalis Welt. — Upper Triassic, Timor, Bibl. 95, p. 206, pl. 31, fig. 7—9. See Styrionautilus discoidalis Welt.
„ (?) gasteroptychus timorensis Welt. — Upper Triassic (Norian), Bibl. 95, p. 212, pl. 32, fig. 8, 11, 12, pl. 35, fig. 7, 8, 10.
„ goniatites v. Hauer. — Upper Triassic (Karnian), Timor, Bibl. 34, p. 77, textfig. 10.

Proclydonautilus Griesbachi v. Mojs.) — Upper Triassic (Norian), Timor, Bibl. 34, p. 83, textfig. 16; 95, p. 208, pl. 32, fig. 1, textfig. 80.
„ griesbachiformis Dien. — Upper Triassic (Norian), Timor, Bibl. 34, p. 85. See Clydonautilus Quenstedti v. Hauer.
„ inflatus Welt. — Upper Triassic (Karnian-Norian), Timor, Bibl. 34, p. 75, 131; 95, p. 211, pl. 32, fig. 10, 13, textfig. 83.
„ (Cosmonautilus) Jonkeri Kiesl. — Upper Triassic, Timor, Bibl. 34, p. 92, pl. 6, fig. 2. See Clydonautilus (Cosmonautilus) Jonkeri Kiesl.
„ (Cosmonautilus) malayicus Welt. — Upper Triassic, Timor, Bibl. 34, p. 91; 95, p. 220, pl. 32, fig. 4—6. See Cosmonautilus malayicus Welt.
„ singularis Welt. — Upper Triassic, Timor, Bibl. 34, p. 78, 139, textfig. 11—14; 95, p. 211, pl. 32, fig. 7, 14, textfig. 82.
„ sp. ind. aff. singulari (Welt.) Kiesl. — Upper Triassic, Timor, Bibl. 34, p. 83.
„ spirolobus v. Dittm. — Upper Triassic (Lower Norian), Timor, Bibl. 34, p. 76, 132, textfig. 33 a and b; 95, p. 209, pl. 32, fig. 2, 3, textfig. 81.
„ spirolobus v. Dittm. an Procl. goniatites v. Hauer [8]). — Upper Triassic, Timor, Bibl. 34, p. 138.
„ cf. spirolobus v. Dittm. var. laevigata Kiesl. — Upper Triassic (Norian), Timor, Bibl. 34, p. 133, textfig. 33c.
„ triadicus v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 34, p. 131; 95, p. 207, textfig. 78, 79.
„ turgidus Kiesl. — Upper Triassic (Norian), Timor, Bibl. 34, p. 133, 93, pl. 5, fig. 1, textfig. 20, 21. See Callaionautilus turgidus Kiesl.
Styrionautilus discoidalis Welt. — Upper Triassic, Timor, Bibl. 34, p. 128, textfig. 32; 95, p. 206, pl. 31, fig. 7—9. See Proclydonautilus discoidalis Welt.
Syringoceras externecavatum Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 131, pl. 94, fig. 3, 4. See Syringonautilus externecavatum Welt.
„ malayicum Welt. — Upper Triassic, Timor, Bibl. 95, p. 224, pl. 33, fig. 4—6. See Syringonautilus malayicum Welt.
„ Zitteli timorense Welt. — Upper Triassic (Karnian), Timor, Bibl. 34, p. 143; 95, p. 223, pl. 33, fig. 7, 8, textfig. 101, 102. See Syringonautilus Zitteli timorense Welt.
„ spec. ind. Welt. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 101, pl. 85, fig. 4, textfig. 9.
Syringonautilus carolinus v. Mojs. — Upper Triassic, Timor, Bibl. 34, p. 143, textfig. 35.

Syringonautilus externecavatum Welt. — Middle Triassic (Anisian), Timor, Bibl. 34, p. 142; 96, p. 131, pl. 94, fig. 3, 4. See Syringoceras externecavatum Welt.

„ malayicum Welt. — Upper Triassic, Timor, Bibl. 34, p. 142; 95, p. 224, pl. 33, fig. 4—6. See Syringoceras malayicum Welt.

„ Zitteli timorense Welt. — Upper Triassic (Karnian), Timor, Bibl. 34, p. 140—143; 95, p. 223, pl. 33, fig. 7, 8, textfig. 101, 102. See Syringoceras Zitteli timorense Welt.

„ sp. ind. Welt. — Upper Triassic, Timor, Bibl. 95, p. 225.

Temnocheilus (Metacoceras) Hayi Hyatt. — Permian, Sumatra, Bibl. 23, p. 119, pl. 8, fig. 13; 72, p. 300, pl. 3, fig. 3; 71, p. 9, pl. 3, fig. 3. See Nautilus tuberosus? Mac Coy.

„ sp. indet. Han. — Lower Permian, Timor, Bibl. 28, p. 125, pl. 54, fig. 2.

Order AMMONOIDEA.

FAM. GONIATITIDAE.

Subfam. GEPHYROCERATINAE.

Thalassoceras Dieneri Smith. — Lower Permian, Timor, Bibl. 78, p. 24, pl. 16, fig. 7—9.

Ussuria nov. sp. ind. ex aff. Iwanowi (Dien.) Welt. — Lower Triassic, Timor, Bibl. 98, p. 100, pl. 157, fig. 10.

Subfam. BELOCERATINAE.

Aspenites laevis Welt. — Lower Triassic (Meekoceras beds), Timor, Bibl. 98, p. 99, pl. 155, fig. 4, 5, textfig. 8.

„ layeriformis Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 97, pl. 155, fig. 6—8.

Hedenstroemia kasliuensis Han. — Lower Triassic, Timor, Bibl. 28, p. 148, pl. 56, fig. 8.

„ Waageni Welt. — Lower Triassic (Meekoceras beds), Timor, Bibl. 98, p. 96, pl. 155, fig. 3, textfig. 5 and 6.

„ sp. ind. Welt. — Lower Triassic (Sibirites beds), Timor, Bibl. 98, p. 97.

Subfam. GLYPHIOCERATINAE.

Gastrioceras angulatum Han. — Lower Permian, Timor, Bibl. 78, p. 28; 28, p. 51, textfig. 11—14. See Glyphioceras angulatum Han.

„ beluense Han. — Lower Permian, Timor, Bibl. 28, p. 54, pl. 18, fig. 1.

„ Hanieli Smith. — Lower Permian, Timor. — Bibl. 78, p. 28, pl. 9, fig. 1—6.

„ melanesianum Smith. — Lower Permian, Timor, Bibl. 78, p. 29, pl. 8, fig. 7—12.

„ somoholense Han. — Lower Permian, Timor, Bibl. 28, p. 56, pl. 48, fig. 2, pl. 49, fig. 2, 3. See Paralegoceras evolutum Han.

Glyphioceras angulatum Han. — Lower Permian, Timor, Bibl. 28, p. 51, textfig. 11—14. See Gastrioceras angulatum Han.

Goniatites Listeri Mart. [9]). — Permian, Sumatra, Bibl. 72, p. 301, pl. 3, fig. 6; 71, p. 10, pl. 3, fig. 6; 23, p. 111.

Metalegoceras australe Smith. — Lower Permian, Timor, Bibl. 103, p. 199; 78, p. 31, pl. 8, fig. 1—6; 28, p. 59, pl. 48, fig. 5. See Paralegoceras australe Smith, P. sundaicum forma involuta Han.

„ evolutum Han. — Lower Permian, Timor, Bibl. 103, p. 199; 78, p. 32, pl. 3, fig. 1—3, pl. 4, fig. 1—19; 28, p. 56, pl. 48, fig. 2, pl. 49, fig. 2, 3; 28, p. 60, pl. 48, fig. 4, 6, textfig. 16, 17. See Paralegoceras sundaicum forma evoluta Han., P. evolutum Han. and Gastrioceras somoholense Han.

„ gigas Smith. — Lower Permian, Timor, Bibl. 103, p. 199; 78, p. 33, pl. 5, fig. 1, 2, pl. 6, fig. 1—7; 28, p. 59, pl. 53, fig. 8. See Paralegoceras gigas Smith, P. sundaicum forma involuta Han.

„ sundaicum Han. — Lower Permian, Timor, Bibl. 103, p. 199; 78, p. 34, pl. 1, fig. 1, 2, pl. 2, fig. 1—17; 28, p. 58. See Paralegoceras australe Smith, P. gigas Smith, P. evolutum Han., P. sundaicum Han., P. Tschernyschewi Karp., P. Wanneri Smith.

„ Tschernyschewi Karp. — Lower Permian, Timor, Bibl. 103, p. 199; 78, p. 36, pl. 4, fig. 14—19; 28, p. 58. See Paralegoceras Tschernyschewi Karp., P. sundaicum Han. p. p.

„ Wanneri Smith. — Lower Permian, Timor, Bibl. 103, p. 199; 78, p. 38, pl. 7, fig. 1—9; 28, p. 62, textfig. 18. See Paralegoceras sundaicum forma evoluta Han.

Paralegoceras australe Smith. — Lower Permian, Timor, Bibl. 78, p. 31, pl. 8, fig. 1—6; 28, p. 59, pl. 48, fig. 5. See Paralegoceras sundaicum forma involuta Han. p.p., Metalegoceras australe Smith.

„ evolutum Han. — Lower Permian, Timor, Bibl. 78, p. 32, pl. 3, fig. 1—3, pl. 4, fig. 1—19; 28, p. 56, pl. 48, fig. 2, pl. 49, fig. 2, 3; 28, p. 60, pl. 48, fig. 4, 6, textfig. 16, 17. See Paralegoceras sundaicum forma evoluta Han. p.p. and Gastrioceras somoholense Han., Metalegoceras evolutum Han.

„ gigas Smith. — Lower Permian, Timor, Bibl. 78, p. 33, pl. 5, fig. 1, 2, pl. 6, fig. 1—7; 28, p. 59, pl. 53, fig. 8. See Paralegoceras sundaicum forma involuta Han. p.p., Metalegoceras gigas Smith.

„ pseudo-meneghinii Han. — Lower Permian, Timor, Bibl. 28, p. 4, pl. 49, fig. 4—6. See Lecanites pseudo-meneghinii Han.

„ sundaicum Han. — Lower Permian, Timor, Bibl. 78, p. 34, pl. 1, fig. 1, 2, pl. 2, fig. 1—17; 28, p. 58. See Paralegoceras

australe Smith, P. gigas Smith, P. evolutum Han., P. Tschernyschewi Karp., P. Wanneri Smith, Metalegoceras sundaicum Han.

Paralegoceras sundaicum Han. — Lower Permian, Letti, Bibl. 27, p. 163, pl. 17, textfig. on p. 164.

„ sundaicum forma evoluta Han. — Lower Permian, Timor, Bibl. 28, p. 60, pl. 48, fig. 4, 6, textfig. 16, 17, 18. See Paralegoceras evolutum Han., P. Wanneri Smith.

„ sundaicum forma involuta Han. — Lower Permian, Timor, Bibl. 28, p. 59, pl. 48, fig. 3, 5, 7, pl. 53, fig. 8, textfig. 15. See Paralegoceras australe Smith, P. gigas Smith.

„ Tschernyschewi Karp. — Lower Permian, Timor, Bibl. 78, p. 36, pl. 4, fig. 14—19; 28, p. 58. See Paralegoceras sundaicum Han. p.p. Metalegoceras Tschernyschewi Karp.

„ Wanneri Smith. — Lower Permian, Timor, Bibl. 78, p. 38, pl. 7, fig. 1—9; 28, p. 62, textfig. 18. See Paralegoceras sundaicum forma evoluta Han., Metalegoceras Wanneri Smith.

FAM. NORITIDAE.

Daraelites submeeki Han. — Lower Permian, Timor, Bibl. 78, p. 12, pl. 9, fig. 22—24; 28, p. 23, pl. 46, fig. 7, textfig. 1.

Pronorites arbanus v. Arth. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 95, pl. 155, fig. 10—14.

„ sp. ind. ex aff. arbani (v. Arth.) Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 95, pl. 155, fig. 9, textfig. 4.

„ cf. postcarbonarius (Karp.) Han. — Lower Permian, Timor, Bibl. 28, p. 28, pl. 46, fig. 6.

„ timorensis Han. — Lower Permian, Timor, Bibl. 78, p. 13; pl. 10, fig. 1—15; 28, p. 25, pl. 46, fig. 1—5, textfig. 2. See Pronorites uralensis Karp. var. timorensis Han.

„ uralensis Karp. var. timorensis Han. — Lower Permian, Timor, Bibl. 28, p. 25, pl. 46, fig. 1—5, textfig. 2. See Pronorites timorensis Han.

Sundaites Han. nov. gen. — Permian, Timor, Bibl. 28, p. 31; 78, p. 16.

„ levis Han. — Upper Permian, Timor, Bibl. 78, p. 17; 28, p. 32, pl. 46, fig. 12, 13, textfig. 3, 4.

FAM. MEDLICOTTIIDAE.

Episagoceras intermedium Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 93, pl. 155, fig. 1, 2, textfig. 1, 2.

„ kasliuense Han. — Lower Triassic, Timor, Bibl. 28, p. 146, pl. 56, fig. 7; 98, p. 93.

„ Noetlingi Han. — Lower Triassic, Timor[10]), Bibl. 78, p. 23; 28, p. 47, pl. 47, fig. 10, textfig. 10.

Medlicottia (Artinskia) artiensis Gruenew. var. timorensis Han. — Lower Permian, Timor, Bibl. 78, p. 21, pl. 12, fig. 7—12; 28, p. 41, pl. 47, fig. 6, 7.

Medlicottia magnotuberculata Tschern.[11]). — Permian, Timor, Bibl. 89, p. 737.
„ Orbignyana de Vern. — Lower Permian, Timor, Bibl. 78, p. 21; 28, p. 43, pl. 47, fig. 8, textfig. 8.
„ subprimas Han. — Upper Permian, Timor, Bibl. 78, p. 22, pl. 12, fig. 20, 21; 28, p. 44, pl. 47, fig. 9, textfig. 9.
Parapronirites Koninckı Gemm. var. timorensis Han. — Lower Permian, Timor, Bibl. 28, p. 29, pl. 46, fig. 8—11. See Parapronorites timorensis Han.
„ timorensis Han. — Lower Permian, Timor, Bibl. 78, p. 15, pl. 10, fig. 16—19; 28, p. 29, pl. 46, fig. 8—11. See Parapronorites Koninckı (Gemm.) var. timorensis Han.
Parasageceras Welt. nov. gen. — Triassic, Timor, Bibl. 96, p. 113.
„ discoidale Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 113, pl. 89, fig. 4.
Propinacoceras insulcatum Han. — Upper Permian, Timor, Bibl. 78, p. 17, pl. 12, fig. 13—19; 28, p. 37, pl. 47, fig. 3, 4, textfig. 6.
„ simile Han. — Lower Permian, Timor, Bibl. 78, p. 18, p. 18, pl. 12, fig. 1—6; 28, p. 34, pl. 47, fig. 1, 2, textfig. 5.
„ transitorium Han. — Lower Permian, Timor, Bibl. 78, p. 18; 28, p. 39, pl. 47, fig. 5, textfig. 7. See Propinacoceras sp.
„ sp. (cf. transitorium) Han. — Lower Permian, Letti, Bibl. 5, p. 165.
Pseudosageras multilobatum Noetl. — Lower Triassic (Meekoceras beds), Timor, Bibl. 98, p. 94; 91, p. 182, pl. 7, fig. 4.
Sageceras Haidingeri v. Hauer. — Middle Triassic, (Ladinian), Upper Triassic (Karnian), Timor, Bibl. 1, p. 153; 96, p. 91, pl. 86, fig. 4.
Sicanites papuanus Smith. — Lower Permian, Timor, Bibl. 78, p. 46, pl. 8, fig. 15—17.

FAM. CERATITIDAE.

Anatibetites Boehmi Pak. — Upper Triassic, Timor, Bibl. 70, p. 203, pl. 2, fig. 2.
„ Kelvini v. Mojs.[12]). — Upper Triassic (Norian), Timor, Bibl. 21, p. 207, pl. 18, fig. 5.
„ cf. Kelvini (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 155.
„ Verbeeki Dien.[13]). — Upper Triassic, Timor, Bibl. 21, p. 207, pl. 12, fig. 3.
Arpadites cf. cinensis (v. Mojs.) Welt. — Middle Triassic, Timor, Bibl. 98, p. 157.
„ sp. ex aff. fassaensis (Wilck.) v. Arth. — Middle Triassic (Ladinian), Timor, Bibl. 70, p. 198.
Aspidites meridianus Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 133, pl. 166, fig. 1—3.

Aspidites meridianus involutus Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 133, pl. 166, fig. 4, 5.
Atsabites Han. nov. gen. — Permian, Timor, Bibl. 28, p. 50.
„ Weberi Han. — Permian, Timor, Bibl. 28, p. 50, pl. 49, fig. 1. See Lecanites Weberi Han.
Beyrichites timorensis Dien. — Middle Triassic (Anisian), Timor, Bibl. 21, p. 166, pl. 32, fig. 7.
„ cfr. timorensis (Dien.) Pak. — Middle Triassic (Anisian), Timor, Bibl. 70, p. 191.
Brouwerites Dien. nov. gen. — Triassic, Timor, Bibl. 21, p. 190.
„ involutus Dien. — Upper Triassic, Timor, Bibl. 21, p. 191; 95, p. 136, pl. 23, fig. 1—3. See Clionites involutus Welt.
Ceratites cf. himalayanus (Blanf.) Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 107, pl. 87, fig. 1, textfig. 11.
Ceratitidarum gen. nov. sp. ind. Dien. — Upper Triassic, Timor, Bibl. 21, p. 192, pl. 3, fig. 9.
Choristoceras cf. ammonitiforme (Gümb.) Welt. — Upper Triassic (Rhätic), Timor, Bibl. 95, p. 145, pl. 28, fig. 5—7.
„ indo-australicum Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 146, pl. 28, fig. 8—10.
„ sp. cfr. Marshi (v. Hauer) Krumb. — Triassic, Timor, Bibl. 52, p. 266, pl. 197, fig. 16.
„ sp. ind. Welt. — Upper Triassic, Ceram, Bibl. 97, p. 245.
„ spec. ind. Krumb. — Triassic, Timor, Bibl. 52, p. 267.
Clionites acutecostatus Klipst. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 82, pl. 83, fig. 4. See Clionites Catharinae v. Mojs.
„ amarassicus Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 137, pl. 21, fig. 4—6.
„ cf. amarassicus (Welt.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 175.
„ Ares v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 174, pl. 2, fig. 19, p. 197.
„ Ares v. Mojs. var. timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 21, p. 174; 95, p. 133, pl. 22, fig. 10—12, pl. 36, fig. 6, 9, 12.
„ nov. sp. ind. aff. Ares (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 174.
„ Catharinae v. Mojs. — Middle-Upper Triassic (Ladinian-Karnian), Timor, Bibl. 21, p. 177; pl. 32, fig. 3—5; 96, p. 82, pl. 83, fig. 4. See Clionites acutecostatus Klipst.
„ curvicostatus Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 139, pl. 21, fig. 7—9.
„ Gandolphi timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 21, p. 175; 95, p. 137, pl. 21, fig. 1—3.
„ sp. ind. aff. Gandolphi (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 175.
„ spec. ind. ex aff. Hughesi (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 140, pl. 20, fig. 23. See Clionites oemarensis Dien.

Clionites intermedius Welt. — Upper Triassic, Timor, Bibl. 95, p. 135, pl. 23, fig. 4, 5.

„ involutus Welt. — Upper Triassic, Timor, Bibl. 95, p. 136, pl. 23, fig. 1—3. See Brouwerites involutus Welt.

„ sp. ind. aff. Laubei (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 176.

„ oemarensis Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 181; 95, p. 140, pl. 20, fig. 23. See Clionites spec. ind. ex aff. Hughesi (v. Mojs.) Welt.

„ paucinodosus Welt. — Upper Triassic, Timor, Bibl. 95, p. 134, pl. 35, fig. 3, 4, textfig. 32.

„ cf. paucinodosus (Welt.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 175.

„ regularicostatus Dien. — Upper Triassic, Timor, Bibl. 21, p. 179, pl. 32, fig. 6.

„ Sinonis Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 176, pl. 3, fig. 3; 70, p. 197.

„ cf. spinosus (v. Mojs.) Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 182, pl. 3, fig. 2.

„ Torquati v. Mojs. — Upper Triassic (Karnian), Timor. Bibl. 95, p. 133.

„ Woodwardi v. Mojs. — Upper Triassic, Timor, Bibl. 21, p. 181. pl. 3, fig. 1.

„ cf. Woodwardi (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 138.

„ Xenocratis Dien. — Upper Triassic, Timor, Bibl. 21, p. 180, pl. 31, fig. 7.

? „ sp. div. Zwierz.[48]) — Upper Triassic, Buton, Bibl. 101, p. 15. See Ammonites sp. div.? Zwierz.

Cochloceras (Paracochloceras) canaliculatum v. Hauer. — Upper Triassic (Norian), Misol, Bibl. 31, p. 138, pl. 45, fig. 20.

„ continuecostatum v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 31, p. 135, pl. 45, fig. 17, 18; 89, p. 739. See Cochloceras misolense Wann.

„ spec. ind. ex aff. continuecostati (v. Mojs) Jaw. — Upper Triassic (Norian), Misol, Bibl. 31, p. 137, pl. 45, fig. 9.

„ misolense Wann. — Upper Triassic (Norian), Misol, Bibl. 89, p. 739. See Cochloceras continuecostatum v. Mojs.

Cycloceltites acutus Pak. — Upper Triassic (Norian), Timor, Bibl. 70, p. 191, pl. 1, fig. 11.

„ oppiani Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 164, pl. 17, fig. 9; 70, p. 191.

Danubites alternecostatus Welt. — Middle Triassic (Anisian), Timor, Bibl. 21, p. 166, pl. 32, fig. 8; 96, p. 109, pl. 88, fig. 2—4. See Florianites alternecostatus Welt.

Dinarites Hirschii Wann. — Lower or Middle Triassic, Timor, Bibl. 87, p. 211, pl. 11, fig. 3.

Durgaites angustecostatus Welt. — Middle Triassic (Anisian), Timor, Bibl. 21, p. 165; 96, p. 108, pl. 87, fig. 2, 3. See Keyserlingites angustecostatus Welt.

Ectolcites Duncani timorensis Welt. — Upper Triassic, Timor, Bibl. 21, p. 230; 95, p. 163, textfig. 41.

„ cf. Hollandi Dien. — Upper Triassic, Timor, Bibl. 21, p. 231.

Flemingites densistriatus Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 116, pl. 160, fig. 5—7.

„ griesbachiformis Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 113, pl. 162, fig. 1, 2, textfig. 9.

„ guyerdetiformis Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 117, pl. 160, fig. 10—12.

„ lidacensis Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 115, pl. 161, fig. 1—4, textfig. 10.

„ cf. muthensis v. Krafft. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 113, pl. 160, fig. 8, 9.

„ pulcher Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 114, pl. 162, fig. 3—4, pl. 163, fig. 1, 2.

„ timorensis Wann. — Lower Triassic (Meekoceras beds), Timor, Bibl. 98, p. 115; 13, p. 187, pl. 7, fig. 1, 2, textfig. 3.

Florianites alternecostatus Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 109, pl. 87, fig. 4, pl. 88, fig. 2—4. See Danubites alternecostatus Welt.

„ (?) compressus Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 111, pl. 88, fig. 1.

Guembelites jandianus v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 149, pl. 30, fig. 1.

„ Philostrati Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 150, pl. 29, fig. 6.

Hanielites Welt. nov. gen. — Lower Triassic, Timor, Bibl. 98, p. 145.

„ elegans Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 146, pl. 168, fig. 7—11.

Helictites Beneckei v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 70, p. 192.

„ sp. ex aff. Beneckei (v. Mojs.) Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 170.

„ geniculatus v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 70, p. 192.

„ malayicus Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 128, pl. 22, fig. 1—4, textfig. 30.

„ Mojsvari Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 169, pl. 12, fig. 5; 70, p. 193.

„ subalemon Dien. — Upper Triassic, Timor, Bibl. 21, p. 167, pl. 4, fig. 1; 70, p. 192.

„ sundaicus Dien. — Upper Triassic, Timor, Bibl. 21, p. 168, pl. 4, fig. 2.

Heraclites robustus v. Hauer. — Upper Triassic (Norian), Timor, Bibl. 21, p. 193, pl. 11, fig. 1, pl. 12, fig. 6; 70, p. 198.

Heraclites sundaicus Dien. — Upper Triassic, Timor, Bibl. 21, p. 193, pl. 12, fig. 7.

Hungarites crasseplicatus Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 147, pl. 168, fig. 1—6.

„ cf. Middlemissii Dien. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 146, pl. 167, fig. 6—9, 18.

„ spec. ind. ex aff. nitiensis (v. Mojs.) Welt. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 98.

„ tuberculatus Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 148, pl. 167, fig. 12—17.

Japonites meridianus Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 122, pl. 93, fig. 2, textfig. 21.

„ Raphaelis Zojae Tomm. forma I Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 123, pl. 92, fig. 3, 4, textfig. 22.

„ Raphaelis Zojae Tomm. forma 2 Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 124, pl. 92, fig. 2, textfig. 23.

„ Raphaelis Zojae Tomm. forma 3 Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 124, pl. 10, fig. 1, textfig. 24.

„ subacutus Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 125, pl. 94, fig. 1, textfig. 25.

„ ugra Dien. — Middle Triassic, Timor, Bibl. 96, p. 126, pl. 93, fig. 1, textfig. 26, 27.

„ sp. ind. Dien. — Middle Triassic (Anisian), Timor, Bibl. 21, p. 167.

Jellinekites Dieneri Pak. — Upper Triassic, Timor, Bibl. 70, p. 196, pl. 1, fig. 14.

„ cf. Hoveyi Dien. — Upper Triassic, Timor, Bibl. 21, p. 173, pl. 13, fig. 2.

Kashmirites acutangulatus Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 126, pl. 163, fig. 9—12.

„ densistriatus Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 123, pl. 164, fig. 9—16.

„ evolutus Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 124, pl. 164, fig. 1—5.

„ robustus Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 122, pl. 163, fig. 7, 8, textfig. 11.

„ cf. subarmatus (Dien.) Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 121, pl. 164, fig. 6—8.

„ subrobustus Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 121, pl. 163, fig. 13—15.

Keyserlingites angustecostatus Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 108, pl. 87, fig. 2, 3, textfig. 12. See Durgaites angustecostatus Welt.

Lecanites pseudo-meneghinii Han. — Lower Permian, Timor, Bibl. 78, p. 25; 28, p. 64, pl. 49, fig. 4—6. See Paralegoceras pseudo-meneghinii Han.

„ Weberi Han. — Permian, Timor, Bibl. 78, p. 25; 28, p. 50, pl. 49, fig. 1.

Meekoceras Hanieli Welt. — Lower Triassic (Meekoceras beds), Timor, Bibl. 98, p. 131, pl. 165, fig. 1—5.
„ indoaustralicum Wann. — Lower Triassic (Meekoceras beds), Timor, Bibl. 98, p. 129; 91, p. 183, pl. 6, fig. 1, pl. 7, fig. 3, textfig. 1.
„ infrequens v. Krafft. — Lower Triassic (Meekoceras beds), Timor, Bibl .98, p. 131, pl. 166, fig. 67.
„ jolinkense v. Krafft. — Lower Triassic, Timor, Bibl. 98, p. 132, pl. 165, fig. 10—15.
„ malayicum Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 127, pl. 165, fig. 6—9.
„ mushbachanum White. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 126.
„ paucesculptatum Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 128, pl. 165, fig. 16, 17, textfig. 12.
„ timorense Wann. — Lower Triassic (Meekoceras beds), Timor, Bibl. 98, p. 129; 91, p. 185, pl. 6, fig. 2, 3, pl. 7, fig. 5, 6, textfig. 2.
„ Wanneri Welt. — Lower Triassic (Meekoceras beds), Timor, Bibl. 98, p. 129, pl. 164, fig. 17, 18, pl. 165, fig. 18, 19.
„ sp. indet. Han. — Lower Triassic, Timor, Bibl. 28, p. 149.
Metinyoites Spath. nov. gen. — Lower Triassic, Timor, Bibl. 104.
„ discoidalis Welt. — Lower Triassic, Timor, Bibl. 104; 98, p. 138, pl. 167, fig. 1, 2. See Vishnuites discoidalis Welt.
Neotibetites Krumb. nov. gen. — Upper Triassic, Buru, Bibl. 49, p. 100.
„ Weteringi G. Boehm emend. Krumb. [14]). — Upper Triassic (Norian), Timor, Bibl. 21, p. 209; 70, p. 205; 95, p. 156, pl. 20, fig. 19, 21.
„ Weteringi G. Boehm emend. Krumb. [14]) — Upper Triassic (Norian), Buru, Bibl. 49, p. 100; 49, p. 104, pl. 7, fig. 2—6, pl. 8, fig. 1—3, pl. 11, fig. 5—12, textfig. 7; 49, p. 106, pl. 8, fig. 4—6, pl. 9, fig. 1, pl. 11, fig. 13—15, textfig. 8; 49, p. 107, pl. 9, fig. 2—5, pl. 10, fig. 1, pl. 11, fig. 3, 16—21; 49, p. 107, pl. 9, fig. 6, 7, pl. 10, fig. 2—4, pl. 11, fig. 4, 22—25, textfig. 9; 49, p. 125, 126; 48, p. 562; 39, p. 687; 9, p. 400; 84, p. 665. See Neotibetites Weteringi inflatus Krumb; Neotibetites Weteringi medius Krumb; Neotibetites Weteringi laevis Krumb; Neotibetites Weteringi compressus Krumb; Neotibetites Weteringi timorensis Welt; Tissotia Weteringi G. Boehm, cf. Tissotia Weteringi (G. Boehm) Kossm., Tissotia cf. Weteringi G. Boehm.
„ Weteringi compressus Krumb. [15]) — Upper Triassic (Norian), Buru, Bibl. 49, p. 108, pl. 9, fig. 6. 7, pl. 10, fig. 2—4, textfig. 9, pl. 11, fig. 4, 22—25; 49, p. 126.
„ Weteringi inflatus Krumb. — Upper Triassic (Norian), Buru, Bibl. 49, p. 104, pl. 7, fig. 2—6, pl. 8, fig. 1—3, textfig. 7, pl. 11, fig. 5—12; 49, p. 125. See Neotibetites Weteringi G. Boehm emend Krumb.

Neotibetites Weteringi laevis Krumb. — Upper Triassic (Norian), Buru, Bibl. 49, p. 107, pl. 9, fig. 2—5, pl. 10, fig. 1, pl. 11, fig. 3, 16—21; 49, p. 126. See Neotibetites Weteringi G. Boehm emend. Krumb.

„ Weteringi medius Krumb. — Upper Triassic (Norian), Buru, Bibl. 49, p. 106, pl. 8, fig. 4—6, pl. 9, fig. 1, textfig. 8, pl. 11, fig. 13—15; 49, p. 125. See Neotibetites Weteringi G. Boehm emend. Krumb.

„ Weteringi timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 156, pl. 20, fig. 19—21. See Neotibetites Weteringi G. Boehm emend. Krumb.

Ophiceras crassecostatum Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 103, pl. 156, fig. 11—14, pl. 157, fig. 3.

„ cf. gibbosum (Griesb.) Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 105, pl. 157, fig. 8, 9, pl. 158, fig. 6—7.

„ Nopcsanum Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 104, pl. 158, fig. 1—5. See Pseudoflemingites timorensis Spath.

„ tenue Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 104, pl. 157, fig. 1, 2.

Otoceras sp. ind. Welt. — Lower Triassic (Meekoceras beds), Timor, Bibl. 98, p. 149.

Parathisbites scaphitiformis v. Hauer. — Upper Triassic (Norian), Timor, Bibl. 21, p. 172, pl. 1, fig. 8; 19, p. 196.

„ Windhami Dien. — Upper Triassic, Timor, Bibl. 70, p. 195.

„ cf. Windhami Dien. — Upper Triassic, Timor, Bibl. 21. p. 173, pl. 12, fig. 4.

„ cfr. Windhami (Dien.) Pack.[16]) — Upper Triassic, Timor, Bibl. 70, p. 196.

„ nov. sp. ind. Dien. — Upper Triassic ,Timor, Bibl. 21, p. 173.

Paratibetites Adolphi v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 208; 70, p. 202, pl. 13, fig. 6.

„ angustisellatus posterior Welt. — Upper Triassic (Norian), Timor, Bibl. 21, p. 208; 95, p. 153, pl. 25, fig. 12—14, textfig. 35.

„ spec. ind. ex aff. angustisellati posterioris Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 154.

„ cfr. Geikiei (v. Mojs.) Pak. — Upper Triassic (Norian), Timor, Bibl. 70, p. 202.

„ cf. Geikiei (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 150, pl. 25, fig. 7—11, 18.

„ insulanus Welt. — Upper Triassic, Timor, Bibl. 95, p. 148, pl. 26, fig. 1, 2, textfig. 33.

„ meridianus Welt. — Upper Triassic, Timor, Bibl. 70, p. 202; 8, p. 149, pl. 25, fig. 15—17.

„ cf. Tornquisti (v. Mojs.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 203.

Paratibetites Tornquisti timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 151, pl. 25, fig. 4—6, textfig. 34.
„ cfr. Tornquisti timorensis (Welt.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 202.
„ nov. spec. ind. Welt. — Upper Triassic (Norian), Timor, Bibl. 95, pl. 27, fig. 9, 10.

Phormedites fasciatus v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 70, p. 193.
„ juvavicus v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 70, p. 193, pl. 1, fig. 13.
„ sp. ex aff. juvavici (v. Mojs.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 194.
„ sp. ind. aff. juvavico (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 170, pl. 13, fig. 2.
„ sp. ex aff. pygmaei (Gemm.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 194.

Prionites armatus Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 135, pl. 166, fig. 11—13.
„ elegans Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 136, pl. 166, fig. 14—16.
„ laevis Welt. — Lower Triassic, Timor, Bibl. 98, p. 134, pl. 166, fig. 8—10, textfig. 13.

Pseudoflemingites Spath. nov. gen. — Lower Triassic, Timor, Bibl. 104.
„ timorensis Spath. — Lower Triassic, Timor, Bibl. 104; 98, p. 104, pl. 158, fig. 4, 5. See Ophiceras Nopscsanum Welt. p. p.

Pteroceras Welt. nov. gen. — Triassic, Timor, Bibl. 96, p. 83.
„ abnorme Dien. — Upper Triassic, Timor, Bibl. 21, p. 212, pl. 15, fig. 1.
„ Arthaberi Welt. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 83, pl. 85, fig. 1.
„ Helminae Dien. — Middle Triassic (Ladinian?), Upper Triassic (Karnian), Timor, Bibl. 21, p. 210, pl. 15, fig. 2; 70, p. 206.
„ insigne Dien. — Upper Triassic, Timor, Bibl. 21, p. 211, pl. 14, fig. 1, pl. 15, fig. 3.
„ subclarissae Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 210, pl. 14, fig. 2.
„ cf. subclarissae Dien. (Pak.). — Upper Triassic (Karnian), Timor, Bibl. 70, p. 205.

Rhabdoceras Suessi v. Hauer. — Upper Triassic (Norian), Misol, Bibl. 52, p. 133, pl. 45, fig. 14, 15; 31, p. 739.
„ nov. sp. (ind.) Jaw. — Upper Triassic, Misol, Bibl. 31, p. 135, pl. 45, fig. 16.

Steinmannites bihatiensis Dien. — Upper Triassic, Timor, Bibl. 21, p. 184, pl. 1, fig. 6; 70, p. 197.
„ Brouweri Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 187, pl. 2, fig. 4; 70, p. 197.

Steinmannites Hoernesi v. Hauer. — Upper Triassic, Timor, Bibl. 21, p. 183, pl. 1, fig. 4.
„ Hoernesi timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 21, p. 183; 95, p. 142, pl. 23, fig. 6, 8, pl. 35, fig. 2, 6.
„ nov. sp. ind. aff. Hoernesi (v. Hauer) Dien. — Upper Triassic, Timor, Bibl. 21, p. 184.
„ irregularis Welt. — Upper Triassic, Timor, Bibl. 95, p. 141, pl. 23, fig. 7, pl. 24, fig. 4—6.
„ cf. irregularis (Welt.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 184.
„ Lubbocki v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 185, pl. 1, fig. 5; 70, p. 197.
„ multicostatus Dien. — Upper Triassic, Timor, Bibl. 21, p. 188, pl. 1, fig. 3.
„ multinodosus Welt. — Upper Triassic, Timor, Bibl. 21, p. 185; 95, p. 140, pl. 24, fig. 1—3.
„ Noetlingi v. Mojs. — Upper Triassic, Timor, Bibl. 21, p. 188, pl. 1, fig. 2.
„ cf. undulatostriatus (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 186, pl. 2, fig. 3.
„ nov. sp. ind. Dien. — Upper Triassic, Timor, Bibl. 21, p. 189.
„ sp. Gerth? — Upper Triassic, Borneo, Bibl. 45, p. 71.

Styrites cfr. collegialis (v. Mojs.) Pak. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 188.
„ cristatus v. Mojs. — Upper Triassic, Timor, Bibl. 95, p. 122, fig. 31, 32, 41.
„ malayicus Welt. — Upper Triassic, Timor, Bibl. 95, p. 123, pl. 12, fig. 33—35.
„ Verbeeki Pak. — Upper Triassic, Timor, Bibl. 70, p. 188, pl. 1, fig. 9.

Subvishnuites Spath. nov. gen. — Lower Triassic, Timor, Bibl. 104.
„ Welteri Spath. — Lower Triassic, Timor, Bibl. 104; 98, p. 137, pl. 167, fig. 3—5. See Vishnuites spec. Welt.

Tibetites acanthomphalus Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 205, pl. 15, fig. 6.
„ altus Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 206, pl. 13, fig. 8.
„ deliciosus Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 205, pl. 13, fig. 7.

Tirolites meridianus Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 149, pl. 168, fig. 14—17.

Thisbites cf. Biondi (Gemm.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 129, pl. 12, fig. 39, 40.
„ cfr. Campbelli (Dien.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 194.
„ meleagri v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 195; 21, p. 171, pl. 5, fig. 2.

Thisbites Rassikori Welt. — Upper Triassic, Timor, Bibl. 95, p. 130, pl. 12, fig. 28—30.
„ Ronaldshayi Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 171, pl. 4, fig. 3, pl. 5, fig. 1; 70, p. 195.
Trachypleuraspidites malayicus Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 131, pl. 22, fig. 8, 9, textfig. 31.
„ malayicus involutus Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 132, pl. 22, fig. 5—7.
„ spec. ind. ex aff. malayici Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 133.
Vishnuites discoidalis Welt. — Lower Triassic (Meekoceras beds), Timor, Bibl. 98, p. 138, pl. 167, fig. 1, 2. See Metinyoites discoidalis Welt.
„ spec. Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 137, pl. 167, fig. 3—5. See Subvishnuites Welteri Spath.
Xenaspis Beedei Smith. — Upper Permian, Timor, Bibl. 78, p. 27, pl. 15, fig. 14—16.
„ indo-australica Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 129, pl. 93, fig. 4, 5.
„ laevis Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 130, pl. 92, fig. 5—7.
Xenodiscus angustecostatus Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 110, pl. 158, fig. 14—17.
„ Bittneri Hyatt et Smith. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 106, pl. 158, fig. 8, 9.
„ Brouweri Welt. — Lower Triassic (Meekoceras beds), Timor, Bibl. 98, p. 110, pl. 159, fig. 14—16.
„ lidacensis Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 108, pl. 159, fig. 5—7, 18, pl. 160, fig. 1, 2.
„ lidacensis involutior Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 109, pl. 159, fig. 3, 4, 11—13.
„ Molengraaffi Welt. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 108, pl. 158, fig. 10—13.
„ nivalis Dien. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 108, pl. 159, fig. 19, 20.
„ cf. ophioneus (Waag.) Welt. — Lower Triassic (Meekoceras beds), Timor, Bibl. 98, p. 112.
„ Oyensi Welt. — Lower Triassic, Timor, Bibl. 98, p. 111, pl. 159, fig. 1, 2, 17.
„ rotula Waag. — Lower Triassic (Ophiceras beds), Timor, Bibl. 98, p. 106, pl. 159, fig. 8—10, pl. 160, fig. 3, 4.
„ rotundus Han. — Upper Permian, Timor, Bibl. 78, p. 26, pl. 9, fig. 13, 14; 28, p. 123, pl. 53, fig. 7.

FAM. PTYCHITIDAE.

Gymnites amanubanensis Welt. Middle Triassic (Anisian), Timor, Bibl. 96, p. 119, pl. 91, fig. 3, textfig. 15, 16.
„ Humboldti v. Mojs. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 121, pl. 91, fig. 2, textfig. 19, 20.

Gymnites meridianus Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 120, pl. 90, fig. 6, textfig. 17, 18.
„ vastesellatus Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 118, pl. 95, fig. 4, textfig. 14.
„ Volzi Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 117, pl. 89, fig. 5, pl. 90, fig. 5, textfig. 13.
Metacarnites Dieneri Welt. — Upper Triassic (Norian), Timor, Bibl. 21, p. 209; 70, p. 205; 95, p. 157, pl. 27, fig. 1—3, pl. 36, fig. 2, 4, 10, textfig. 36—38.
Nannites cf. Heberti (Dien.) Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 100, pl. 156, fig. 8—10.
„ cf. hindostanus (Dien.) Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 101, pl. 156, fig. 5—7.
Owenites egrediens Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 151, pl. 168, fig. 22—26, textfig. 14—18.
„ simplex, Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 153, pl. 169, fig. 1—8.
Proptychites Arthaberi Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 102, pl. 156, fig. 1—4.
„ nov. spec. ind. ex aff. undati (Waag.) Welt. — Lower Triassic (Ophiceras beds), Bibl. 98, p. 101, pl. 157, fig. 4—7.
Ptychites amarassicus Welt. — Middle Triassic (Anisian), Timor, Bibl. 1, p. 116, textfig. 14; 96, p. 128, pl. 95, fig. 3, textfig. 28, 29.
„ cfr. amarassicus (Welt.) v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 118, textfig. 15.
„ spec. nov. ind. Welt. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 100, textfig. 8.
Sturia Karpinskyi v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 120.
„ malayica Welt. — Upper Triassic, Timor, Bibl. 95, p. 198, pl. 30, fig. 1, 2, textfig. 69. See Malayites malayaicus Welt.
„ cf. malayica Welt. — Upper Triassic, Timor, Bibl. 95, p. 199, pl. 30, fig. 8, 9. See Malayites cf. malayicus Welt.
„ mongolica Dien. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 127, pl. 95, fig. 1.
„ sp. nov.? ex aff. mongolicae Dien. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 128, pl. 95, fig. 2.
„ cf. Sansovinii (v. Mojs) Welt. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 99, textfig. 7.
„ semiarata v. Mojs. — Middle Triassic (Anisian-Ladinian), Timor, Bibl. 96, p. 100, 127.

FAM. PINACOCERATIDAE.

Pinacoceras imperator v. Hauer. — Upper Triassic (Norian), Timor, Bibl. 1, p. 161.
„ Lopense v. Arth. — Upper Triassic (Karnian?), Timor. Bibl. 1, p. 159, pl. 19, fig. 1.

Pinacoceras Metternichi v. Hauer. — Upper Triassic (Norian), Timor, Bibl. 1, p. 158.
„ Parma v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 95, p. 195.
„ rex v. Mojs. — Upper Triassic, Timor, Bibl. 95, p. 196.
„ Schneideri Welt. — Middle Triassic (Ladinan), Timor, Bibl. 96, p. 92, pl. 85, fig. 3.
„ (Parapinacoceras) subimperator v. Mojs. — Upper Triassic, Timor, Bibl. 1, p. 162, pl. 20.
Placites meridianus Welt. — Upper Triassic, Timor, Bibl. 95, p. 197, pl. 30, fig. 3, 4, textfig. 68.
„ perauctus v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 95, p. 196.
„ polydactylus var. Oldhami v. Mojs. — Bibl. 1, p. 167, pl. 19, fig. 2—4.

FAM. TROPITIDAE.

Acanthinites excelsus v. Mojs. var. timorensis Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 200, pl. 13, fig. 3.
„ Hogarthi Dien. — Upper Triassic, Timor, Bibl. 21, p. 201.
„ trachycostatus Pak. — See Cyrtopleurites (Acanthinites) trachycostatus Pak.
Acrochordiceras anodosum Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 111, pl. 89, fig. 3.
Amarassites Welt. nov. gen. — Triassic, Timor, Bibl. 95, p. 49.
„ egrediens Welt. — Upper Triassic (Norian), Bibl. 95, p. 49, pl. 5, fig. 12—16. See Amarassites semiplicatus v. Hauer.
„ laevicostatus Welt. — Upper Triassic, Timor, Bibl. 21, p. 104; 70, p. 170; 95, p. 50, pl. 6, fig. 4.
„ Parmenidis Dien. — Upper Triassic, Timor, Bibl. 21, p. 107, pl. 26, fig. 4; 70, p. 170.
„ pulcher Welt. — Upper Triassic, Timor, Bibl. 21, p. 104; 98, p. 155, textfig. 19, 20.
„ semiplicatus v. Hauer. — Upper Triassic (Norian), Timor, Bibl. 21, p. 102, pl. 26, fig. 1, 2, pl. 22, fig. 3; 70, p. 170; 95, p. 49, pl. 5, fig. 12—16, pl. 6, fig. 1—3. See Amarassites egrediens Welt.
„ sundaicus Welt. — Upper Triassic (Norian), Timor, Bibl. 21, p. 105; 95, p. 50, pl. 6, fig. 5—7.
Anasibirites multiformis forma 1—9 Welt. — Lower Triassic (Sibirites beds), Timor, Bibl. 98, p. 138, pl. 169, fig. 9—27, pl. 170, fig. 1—19, pl. 171, fig. 1—14.
„ multiformis forma 1 Welt. — Lower Triassic (Sibirites beds), Timor, Bibl. 98, p. 140, pl. 169, fig. 9—13.
„ multiformis forma 2 Welt. — Lower Triassic (Sibirites beds), Timor, Bibl. 98, p. 141, pl. 169, fig. 14—18.
multiformis forma 3 Welt. — Lower Triassic (Sibirites beds), Timor, Bibl. 98, p. 141, pl. 169, fig. 19—24.

Anasibirites multiformis forma 4 Welt. — Lower Triassic (Sibirites beds), Timor, Bibl. 98, p. 141, pl. 169, fig. 25—27, pl. 170, fig. 1—5.

„ multiformis forma 5 Welt. — Lower Triassic (Sibirites beds), Timor, Bibl. 98, p. 142, pl. 170, fig. 6—10.

„ multiformis forma 6 Welt. — Lower Triassic(Sibirites beds), Timor, Bibl. 98, p. 142, pl. 170, fig. 11—15.

„ multiformis forma 7 Welt. — Lower Triassic (Sibirites beds), Timor, Bibl. 98, p. 142, pl. 170, fig. 16—19.

„ multiformis forma 8 Welt. — Lower Triassic (Sibirites beds), Timor, Bibl. 98, p. 143, pl. 171, fig. 1—10.

„ multiformis forma 9 Welt. — Lower Triassic (Sibirites beds), Timor, Bibl. 98, p. 143, pl. 171, fig. 11—14.

„ robustus Welt. — Lower Triassic (Sibirites beds), Timor, Bibl. 98, p. 144, pl. 171, fig. 15—17.

Anasirenites cf. Aristotelis (v. Mojs.) Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 246, pl. 16, fig. 6.

Anatomites sp. ex aff. Albertii (Gemm.) Pak. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 182.

„ spec. nov. ind. ex aff. Albertii (Gemm.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 81, pl. 10, fig. 2.

„ amanubanensis Welt. — Upper Triassic, Timor, Bibl. 70, p. 178; 95, p. 72, pl. 9, fig. 10, 11, 12.

„ cf. Arethusae (Gemm.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 78, pl. 10, fig. 11, 12.

„ Bacchus v. Mojs. — Upper Triassic, Timor, Bibl. 95, p. 83.

„ Bakhuyzeni Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 136, pl. 31, fig. 1, 2.

„ Beresfordi (Dien.) Pak. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 180.

„ Brocchanti v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 182.

„ cf. Brocchii (v. Mojs.) Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 136, pl. 21, fig. 3, 4; 70, p. 178.

„ brocchiiformis Welt. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 129; 70, p. 177; 95, p. 69, pl. 9, fig. 1—7.

„ brocchiiformis forma 1 Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 69, pl. 9, fig. 3, 4. See Anatomites brocchiiformis Welt.

„ brocchiiformis forma 2 Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 69, pl. 9, fig. 1, 2. See Anatomites brocchiiformis Welt.

„ sp. ind. ex aff. Camilli (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 137.

„ sp. ind. aff. Carolo (v. Mojs.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 70, pl. 8, fig. 21.

„ Carstensi Dien. — Upper Triassic, Timor, Bibl. 21, p. 138, pl. 31, fig. 9.

Anatomites Castoris Dien. — Upper Triassic, Timor, Bibl. 21, p. 143, pl. 25, fig. 6; 70, p. 182.
, cecropis Dien. — Upper Triassic, Timor, Bibl. 21, p. 141, pl. 31, fig. 6.
„ crasseplicatus v. Mojs. — Upper Triassic, Timor, Bibl, 70, p. 182.
„ crasseplicatus timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 82, pl. 10, fig. 3—5.
„ sp. ind. aff. crasseplicato (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 139.
„ cf. Curionii (Gemm.) Pak — Upper Triassic, Timor, Bibl. 70, p. 180.
„ sp. ind. ex aff. Di Stefanoi (Gemm.) Pak. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 179.
„ Ducetti Gemm. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 73, p. 10, fig. 14—17, pl. 11, fig. 1—6, 8—13, 16—18. See Anatomites Grotti Dien.
„ Ducetti Gemm. forma 1 Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 74, pl. 10, fig. 14, 15, pl. 11, fig. 1, 2, 5, 8, 17. See Anatomites Grotii Dien.
„ Ducetti Gemm. forma 2 Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 75, pl. 10, fig. 16, 17, pl. 11, fig. 2, 3, 11, 13. See Anatomites Grotii Dien.
„ Ducetti Gemm. forma 3 Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 75, pl. 11, fig. 6, 9, 10, 16. See Anatomites Grotii Dien.
„ Ducetti Gemm. forma 4 Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 76, pl. 11, fig. 12, 18. See Anatomites Grotii Dien.
„ Edgari timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 21, p. 139; 95, p. 77, pl. 8, fig. 8, 9, pl. 9, fig. 13—16.
„ Grotii Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 132; 19, p. 178; 95, p. 73, pl. 10, fig. 14—17, pl. 11, fig. 1—6, 8—13, 16—18. See Anatomites Ducetti Gemm.
„ Grotii var. latecosta Dien. — Upper Triassic, Timor, Bibl. 21, p. 134.
„ Gümbeli v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 95, p. 83.
„ cf. Herbichi (Mojs.) Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 135; 19, p. 179; 95, p. 71, pl. 9, fig. 8, 9.
„ Heyrmansi Dien. — Upper Triassic, Timor, Bibl. 21, p. 141, pl. 31, fig. 8.
„ Hirschii Dien. — Upper Triassic, Timor, Bibl. 21, p. 130. pl. 29, fig. 7, 19, p. 178.
„ Houtmanni Dien. — Upper Triassic, Timor, Bibl. 21, p. 138, pl. 29, fig. 8.
„ intermittens v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 180.

Anatomites sp. ind. ex aff. intermittentis (v. Mojs.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 183.
„ sp. ind. aff. laevicosto (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 140, pl. 29, fig. 9.
„ Loriauxi Welt. — Upper Triassic, Timor, Bibl. 21, p. 132; 70, p. 178; 95, p. 79, pl. 8, fig. 5—7.
„ Martini Dien. — Upper Triassic (Karnian) Timor, Bibl. 21, p. 129, pl. 30, fig. 5; 70, p. 177.
„ Mauritii timorensis Welt. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 182; 95, p. 78, pl. 10, fig. 13.
„ Molengraaffi Pak. — Upper Triassic, Timor, Bibl. 70, p. 181, pl. 1, fig. 8.
„ sp. ex aff. Proserpinae (Gemm.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 180.
„ cf. Rothi (v. Mojs.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 71.
„ nov. sp. aff. rotundo (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 135, pl. 28, fig. 6.
„ Rutilii Dien. — Upper Triassic, Timor, Bibl. 21, p. 131, pl. 30, fig. 6; 70, p. 178.
„ sp. ind. ex aff. speciosi (Dien.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 181.
„ sp. ex aff. Strabonis (v. Mojs.) Pak. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 183.
„ cf. subrotundus (v. Mojs.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 179, pl. 1, fig. 7.
„ sp. ind. aff. tenuicompto (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 140, pl. 32, fig. 9.
„ Vorstmanni Welt. — Upper Triassic, Timor, Bibl. 95, p. 79, pl. 9, fig. 17—19.
„ cf. Vorstmanni (Welt.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 132.
„ Wichmanni Welt. — Upper Triassic, Timor, Bibl. 21, p. 130; 70, p. 177; 95, p. 80, pl. 10, fig. 6—10.
„ sp. ind. Pak. — Upper Triassic, Timor, Bibl. 70, p. 183.
„ sp. ind. Welt. — Upper Triassic, Ceram, Bibl. 97, p. 245.

Anatropites Martini Welt. — Upper Triassic, Timor, Bibl. 95, p. 120, pl. 20, fig. 16—18.
„ spinosus meridianus Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 119, pl. 20, fig. 13—15.
„ spinosus timorensis Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 118, pl. 20, fig. 10—12.
„ Xenophanis Dien. — Upper Triassic, Timor, Bibl. 21, p. 157, pl. 19, fig. 2.

Columbites nov. spec. ind. Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 150, pl. 168, fig. 12, 13. See Prenkites timorensis Spath.

Cyrtopleurites bicrenatus v. Hauer. — Upper Triassic (Norian), Timor, Bibl. 70, p. 201.

Cyrtopleurites cf. bicrenatus (v. Hauer) Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 195, pl. 14, fig. 3.
„ spec. (cf. Freshfieldi Dien.) Gerth. — Upper Triassic (Karnian-Norian), Sumatra, Bibl. 68, p. 277.
„ sp. ind. aff. Freshfieldi Dien. — Upper Triassic, Timor, Bibl. 21, p. 197.
„ (?) gracilis Dien. — Upper Triassic, Timor, Bibl. 21, p. 199, pl. 3, fig. 5.
„ himalayicus Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 196, pl. 15, fig. 5; 70, p. 201.
„ indonesicus Dien. — Upper Triassic, Timor, Bibl. 21, p. 198, pl. 3, fig. 4.
„ Jonkeri Dien. — Upper Triassic, Timor, Bibl. 21, p 194, pl. 15, fig. 4.
„ longispinus Pak. — Upper Triassic, Timor, Bibl. 70, p. 200, pl. 2, fig. 1.
„ malayicus Welt. — Upper Triassic, Timor, Bibl. 95, p. 144, pl. 24, fig. 7—9.
„ cf. Parteniae (Dien.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 201.
„ (Acanthinites) trachycostatus Pak. — Upper Triassic, Timor, Bibl. 70, p. 199, pl. 1, fig. 15.
„ transiens Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 197, pl. 13, fig. 5.
„ spec. (cf. transiens Dien.) Gerth. — Upper Triassic (Karnian-Norian), Sumatra, Bibl. 68, p. 277.

Dionites asbolus v. Dittm. — Upper Triassic (Norian), Timor, Bibl. 70, p. 197.
„ cf. Caesar (v. Mojs.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 143, pl. 25, fig. 1—3.

Discotropites cf. Plinii (v. Mojs.) Welt. — Upper Triassic (Karnian?), Timor, Bibl. 95, p. 121, pl. 20, fig. 22.

Distichites anacanthus Dien. — Upper Triassic, Timor, Bibl. 21, p. 227, pl. 7, fig. 2; 70, p. 208.
„ spec. ind. ex aff. celtici (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 162.
„ ectolcitiformis Dien. — Upper Triassic, Timor, Bibl. 21, p. 230.
„ falcatus Dien. — Upper Triassic, Timor, Bibl. 21, p. 221, pl. 5, fig. 3.
„ cfr. Falconeri (Dien.) Pak. — Upper Triassic (Norian), Timor, Bibl. 70, p. 207.
„ Hacqueti v. Mojs. — Upper Triassic, Timor, Bibl. 21, p. 229, pl. 9, fig. 1.
„ sp. ind. aff. Hacqueti (v. Mojs.) Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 229.
„ cf. harpalos v. Dittm. — Upper Triassic (Norian), Timor, Bibl. 21, p. 220, pl. 6, fig. 3.

Distichites homacanthus Dien. — Upper Triassic, Timor, Bibl. 21, p. 219, pl. 10, fig. 2.
„ Huygensi Dien. — Upper Triassic, Timor, Bibl. 21, p. 223, pl. 30, fig. 7.
„ hypsacanthus Dien. — Upper Triassic, Timor, Bibl. 21, p. 218, pl. 6, fig. 1; 70, p. 206.
„ Kmetyi v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 226, pl. 4, fig. 4, 5; 70, p. 208.
„ leptacanthus Dien. — Upper Triassic, Timor, Bibl. 21, p. 224, pl. 8, fig. 1.
„ sp. ex aff. Loidli (v. Mojs.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 208.
„ megacanthus v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 215, pl. 8, fig. 2, pl. 10, fig. 1; 70, p. 206.
„ megacanthus timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 21, p. 216; 95, p. 161, pl. 36, fig. 3, 5, 11, textfig. 39.
„ sp. ind. ex aff. megacanthi timorensis (Welt.) Dien. — Upper Triassic (Norian), Timor, Bibl. 95, p. 162, textfig. 40.
„ mesacanthus Dien. — Upper Triassic, Timor, Bibl. 21, p. 218, pl. 6, fig. 2, pl. 9, fig. 3; 70, p. 206, pl. 2, fig. 3.
„ polyacanthus Dien. — Upper Triassic, Timor, Bibl. 21, p. 217, pl. 7, fig. 1.
„ pudens Welt. — Upper Triassic, Timor, Bibl. 21, p. 225, pl. 26, fig. 3, 6, 7, pl. 36, fig. 7, 8.
„ pudens fatuensis Welt. — Upper Triassic, Timor, Bibl. 95, p. 160, pl. 26, fig. 4, 5.
„ cf. pudens (Welt.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 224.
„ cf. Reynoldsi Dien.[17]) — Upper Triassic, Timor, Bibl. 21, p. 228, pl. 5, fig. 5.
„ cf. Reynoldsi (Dien.) Pak.[18]) — Upper Triassic, Timor, Bibl. 70, p. 208.
„ Sollasi Dien. — Upper Triassic (Norian), Timor, Bibl. 70, p. 207.
„ subfalcatus Dien. — Upper Triassic, Timor, Bibl. 21, p. 222, pl. 5, fig. 4.
„ nov. sp. aff. subfalcato Dien. — Upper Triassic, Timor, Bibl. 21, p. 223, pl. 9, fig. 4.
„ tropicus Dien. — Upper Triassic, Timor, Bibl. 21, p. 225, pl. 9, fig. 2; 70, p. 207.
„ sp. ind. div. Dien. — Upper Triassic, Timor, Bibl. 21, p. 230.
Drepanites cf. Hyatti (v. Mojs.) Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 189, pl. 17, fig. 7.
„ cf. Hyatti (v. Mojs.) Pak. — Upper Triassic (Norian), Timor, Bibl. 96, p. 198.
„ spec. Gerth. — Upper Triassic (Karnian-Norian), Sumatra, Bibl. 68, p. 277.

Gonionotites Diblasii timorensis Welt. — Upper Triassic, Timor, Bibl. 95, p. 91, pl. 17, fig. 16, 17; 19, p. 185.
„ cf. Diblasii timorensis (Welt.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 146.
„ cf. Gemmellaroi Dien. — Upper Triassic, Timor, Bibl. 21, p. 146, pl. 20, fig. 3.
„ cf. Maurolicoi (Gemm.) Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 147, pl. 20, fig. 2; 70, p. 184.
„ cfr. Maurolicoi (Gemm.) Pak. — Upper Triassic ,Timor, Bibl. 70, p. 184.
„ megasthenis Dien. — Upper Triassic, Timor, Bibl. 21, p. 148, pl. 20, fig. 1.
„ cf. Mojsisovicsi (Gemm.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 90, pl. 36, fig. 1, textfig. 15.
„ Waldthauseniae Welt. — Upper Triassic, Timor, Bibl. 21, p. 145; 95, p. 91, pl. 17, fig. 2, 3, 5, 6, 9, 10, 19, textfig. 16—18.

Griesbachites amarassicus Welt. — Upper Triassic, Timor, Bibl. 70, p. 177; 95, p. 100, pl. 12, fig. 36, 37, 38.
„ sp. ex aff. Chamissoi (v. Mojs.) Pak. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 177, pl. 1, fig. 6.
„ costatus Welt. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 124; 70, p. 176; 95, p. 97, pl. 13, fig. 11, 14, 16; 20, p. 476. See Griesbachites pseudomedleyanus Dien. var. costatus Welt.
„ Crommelini Dien. — Upper Triassic, Timor, Bibl. 21, p. 126, pl. 28, fig. 4.
„ cf. densicostatus Dien. — Upper Triassic, Timor, Bibl. 21, p. 126, pl. 29, fig. 1.
„ Gerthi Dien.[19]) — Upper Triassic, Timor, Bibl. 21, p. 127, pl. 29, fig. 2.
„ cf. Kastneri (v. Mojs.) Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 127; 70, p. 176.
„ cf. Kastneri (v. Mojs.) Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 98, pl. 13, fig. 13, 15.
„ malayicus Welt. — Upper Triassic, Timor, Bibl. 21, p. 122; 95, p. 96, pl. 13, fig. 1, 4, 7.
„ medleyanus inflatus Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 99, pl. 13, fig. 3, 5, 6.
„ sp. ind. aff. medleyano (Stol.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 124.
„ pseudomedleyanus costatus Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 97, pl. 13, fig. 11, 14, 16. See Griesbachites costatus Welt.
„ pseudomedleyanus timorensis Welt. — Upper Triassic (Karnian), Timor, Bibl. 95. p. 95, pl. 13, fig. 2, 8, 9, 10, pl. 35, fig. 5. See Griesbachites timorensis Welt.
„ Rumphii Dien. — Upper Triassic, Timor, Bibl. 21, p. 125, pl. 28, fig. 5.

Griesbachites timorensis Welt. — Upper Triassic, Timor, Bibl. 21, p. 122; 70, p. 176; 95, p. 95, pl. 13, fig. 2, 8, 9, 10, pl. 35, fig. 5; 20, p. 476. See Griesbachites pseudomedleyanus timorensis Welt.

„ nov. sp. ind. Dien. — Upper Triassic, Timor, Bibl. 21, p. 128.

Halorites Alcaci v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 99, pl. 27, fig. 5; 70, p. 169.

„ cf. Bufonis (v. Mojs.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 166, pl. 1, fig. 1.

„ nov. sp. ind. ex aff. Capellinii (v. Mojs.) Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 89; 95, p. 36, pl. 3, fig. 3, 4, 5. See Halorites ind. ex aff. Capellinii (v. Mojs.) Welt.

„ ind. ex aff. Capellinii (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 36, pl. 3, fig. 3, 4, 5. See Halorites nov. sp. ind. ex aff. Capellinii (v. Mojs.) Dien.

„ carinatus Dien. — Upper Triassic, Timor, Bibl. 21, p. 87, pl. 20, fig. 1.

„ catenatus v. Buch. — Upper Triassic (Norian), Timor, Bibl. 21, p. 85, pl. 21, fig. 2.

„ Chrysippi Dien. — Upper Triassic, Timor, Bibl. 21, p. 87, pl. 23, fig. 2, 3; 70, p. 168.

„ Erasistrati Dien. — Upper Triassic, Timor, Bibl. 21, p. 85, pl. 22, fig. 2.

„ ferox v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 81, pl. 24, fig. 1; 70, p. 166; 95, p. 35.

„ sp. ind. ex aff. ferocis (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 35, pl. 3, fig. 6.

„ hypsiclis Dien. — Upper Triassic, Timor, Bibl. 21, p. 88, pl. 23, fig. 1.

„ sp. ind. aff. Lamarcki (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 21, p. 83, pl. 21, fig. 3.

„ macer v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 90, pl. 24, fig. 2, 3, 4, pl. 25, fig. 3—5; 70, p. 168; 8, p. 44 pl. 1, fig. 5, 6, pl. 4, fig. 6, 7, pl. 5, fig. 4—7, textfig. 2—5. See Halorites cf. macer (v. Mojs.) Welt.

„ macer v. Mojs. var. enodis Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 93, pl. 25, fig. 2.

„ macer v. Mojs. var. radiosa Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 93, pl. 25, fig. 1.

„ cf. macer (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 44, pl. 1, fig. 5, 6, pl. 4, fig. 6, 7, pl. 5, fig. 4—7, textfig. 2—5. See Halorites macer v. Mojs.

„ malayicus Welt. — Upper Triassic, Timor, Bibl. 21, p. 84; 70, p. 167; 95, p. 38, pl. 2, fig. 1—12, pl. 3, fig. 1, 2, textfig. 1.

„ malayicus forma 1. Welt. — Upper Triassic, Timor, Bibl. 95, p. 38, pl. 2, fig. 1, 2. See Halorites malayicus Welt.

„ malayicus forma 2. Welt. — Upper Triassic, Timor, Bibl. 95, p. 39, pl. 2, fig. 3, 4. See Halorites malayicus Welt.

Halorites malayicus forma 3. Welt. — Upper Triassic, Timor, Bibl. 95, p. 39, pl. 2, fig. 5, 6. See Halorites malayicus Welt.
„ malayicus forma 4. Welt. — Upper Triassic, Timor, Bibl. 95, p. 40, pl. 2, fig. 7—10, pl. 3, fig. 1, 2. See Halorites malayicus Welt.
„ malayicus forma 5. Welt. — Upper Triassic, Timor, Bibl. 95, p. 40, fig. 11, 12. See Halorites malayicus Welt.
„ Phaonis v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 100, pl. 17, fig. 4; 70, p. 169.
„ Phaonis v. Mojs. var. timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 42, pl. 5, fig. 1—3.
„ Pomponii Dien. — Upper Triassic, Timor, Bibl. 21, p. 82, pl. 19 fig. 11, 12; 70, p. 166.
„ cf. Pomponii (Dien.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 167, pl. 1, fig. 2.
„ procyon v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 99, pl. 27, fig. 3.
„ pygmaeus Dien. — Upper Triassic, Timor, Bibl. 21, p. 96, pl. 26, fig. 5; 70, p. 168.
„ Sapphonis v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 97, pl. 27, fig. 1—3.
„ sp. ind. ex aff. subcatenati (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 33, pl. 4, fig. 1, 2.
„ sundaicus Welt. — Upper Triassic, Tomir, Bibl. 21, p. 95; 95, p. 43, pl. 1, fig. 1—4.
„ superbus v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 86, pl. 22, fig. 1; 70, p. 167.
„ superbus timorensis Welt.[20]) — Upper Triassic, Timor, Bibl. 95, p. 37, pl. 35, fig. 9—11; 21, p. 86.
„ Wanneri Welt. — Upper Triassic, Timor, Bibl. 21, p. 96; 95, p. 46, pl. 4, fig. 3—5.
„ nov. sp. ind. (ex aff. H. Catenati v. Buch) Dien. — Upper Triassic, Timor, Bibl. 21, p. 90.
„ sp. ind. (ex aff. H. catenati v. Buch) Pak. — Upper Triassic, Timor, Bibl. 70, p. 167.
Himavatites Watsoni Dien. — Upper Triassic, Timor, Bibl. 21, p. 202, pl. 12, fig. 1, 2.
„ Welteri Dien. — Upper Triassic, Timor, Bibl. 21, p. 202, pl. 13, fig. 4.
Indonesites Welt. nov. gen. — Upper Triassic, Timor, Bibl. 95, p. 103.
„ Dieneri Welt. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 151; 70, p. 185; 95, p. 103, pl. 15, fig. 3—10, pl. 16, fig. 1—3, textfig. 22—24.
„ Dieneri forma 1 Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 104, pl. 15, fig. 3, 4, textfig. 22. See Indonesites Dieneri Welt.
„ Dieneri forma 2 Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 105, pl. 15, fig. 5—7, textfig. 23. See Indonesites Dieneri Welt.

Indonesites Dieneri forma 3 Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 105, pl. 15, fig. 8—10, textfig. 24. See Indonesites Dieneri Welt.

Isculites Balzeri v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 52, pl. 6, fig. 8, 9.

„ crasseplicatus Welt. — Upper Triassic, Timor, Bibl. 95, p. 53, pl. 6, fig. 10, 11.

„ cf. decrescens (v. Hauer) Pak. — Upper Triassic (Norian), Timor, Bibl. 70, p. 171.

„ Dieneri Pak. — Upper Triassic, Timor, Bibl. 70, p. 171, pl. 1, fig. 3.

„ Heimi v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 171.

„ cf. Heimi (v. Mojs.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 52.

„ Eunapii Dien. — Upper Triassic, Timor, Bibl. 21, p. 107, pl. 14, fig. 4.

„ bihatiensis Welt. — Middle Triassic (Ladinian), Bibl. 96, p. 81, pl. 83, fig. 2, 3.

„ ladinus Welt. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 80, pl. 83, fig. 1.

„ Gugenbergi v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 111, pl. 17, fig. 1.

Jovites daciformis Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 101; 70, p. 169.

„ daciformis (Dien. var.) timorensis Welt.[21]) — Upper Triassic, Timor, Bibl. 95, p. 48, pl. 5, fig. 10, 11.

„ cf. dacus (v. Mojs.) Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 47, pl. 5, fig. 8, 9.

„ cf. Mercedis (v. Mojs.) Pak. — Upper Triassic (Norian), Timor, Bibl. 70, p. 170.

„ spectabilis Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 101; 70, p. 169.

Juvavites angulatus Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 111; 95, p. 63, pl. 7, fig. 25.

„ Artemidori Dien. — Upper Triassic, Timor, Bibl. 21, p. 113, pl. 29, fig. 3.

„ sp. ind. aff. Ballo (v. Mojs.) Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 56, pl. 7, fig. 24.

„ Brouweri Welt. — Upper Triassic, Timor, Bibl. 21, p. 112; 95, p. 60, pl. 7, fig. 15—18.

„ Bülowi Dien. — Upper Triassic, Timor, Bibl. 21, p. 112; pl. 27, fig. 6; 70, p. 173, pl. 1, fig. 4.

„ ceramensis Wann. — Upper Triassic (Norian), Ceram, Bibl. 94, p. 38, pl. 1, fig. 1.

„ cf. continuus (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 112, pl. 28, fig. 3.

Juvavites sp. nov. aff. continuo (v. Mojs.) Wann. — Upper Triassic (Norian), Ceram, Bibl. 94, p. 39, pl. 1, fig. 2; 97, p. 245. See Juvavites sp. ind. Welt.

„ Decheni timorensis Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 62, pl. 6, fig. 15, 16.

„ Ehrlichi timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 55, pl. 6, fig. 12—14.

„ (Dimorphites) electrae v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 70, p. 174.

„ (Dimorphites?) fissicostatus interruptus Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 68, pl. 8, fig. 18—20.

„ (Dimorphites?) fissicostatus timorensis Welt. — Upper Triassic, Timor, Bibl. 95, p. 67, pl. 8, fig. 14—17; 70, p. 173.

„ sp. ex aff. gastrogonii (v. Mojs.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 172.

„ goniotitiformis Welt. — Upper Triassic, Timor, Bibl. 21, p. 116; 70, p. 173; 95, p. 65, pl. 7, fig. 32, pl. 8, fig. 1—4.

„ Idenburgi Welt. — Upper Triassic, Timor, Bibl. 21, p. 118; 95, p. 59, pl. 7, fig. 9—11.

„ nov. sp. ind. aff. inflato (Gemm.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 119.

„ sp. ind. aff. interrupto (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 118.

„ Kampeni Dien.[22]) — Upper Triassic, Timor, Bibl. 21, p. 119, pl. 29, fig. 4.

„ Molengraaffi Welt. — Upper Triassic, Timor, Bibl. 21, p. 115; 95, p. 63, pl. 7, fig. 26—28.

„ cf. Nepotis (v. Mojs.) Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 115, pl. 31, fig. 5.

„ Nepotis timorensis Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 58, pl. 7, fig. 5—8. See Juvavites Welteri Dien.

„ otiartis Dien. — Upper Triassic, Timor, Bibl. 21, p. 120, pl. 29, fig. 5.

„ Oyensi Welt. — Upper Triassic, Timor, Bibl. 21, p. 115; 95, p. 61, pl. 7, fig. 19—21.

„ Sandbergeri v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 109; 95, p. 61, pl. 7, fig. 22—24.

„ sandbergeriformis Dien. — Upper Triassic, Timor, Bibl. 21, p. 110, pl. 28, fig. 1; 70, p. 173.

„ Sarasini Dien.[23]) — Upper Triassic, Timor, Bibl. 21, p. 111, pl. 30, fig. 4.

„ Stoliczkai v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 70, p. 172.

„ subinterruptus crasseplicatus Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 57, pl. 7, fig. 12—14.

„ Tobleri Welt. — Upper Triassic, Timor, Bibl. 21, p. 116; 70, p. 173; 95, p. 64, pl. 7, fig. 30, 31, pl. 8, fig. 12, 13.

„ tonkinensis Dien. — Upper Triassic, Timor, Bibl. 21, p. 113, pl. 28, fig. 2.

Juvavites Verbeeki Welt. — Upper Triassic, Timor, Bibl. 21, p. 117; 95, p. 54, pl. 7, fig. 1, textfig. 6, 7.
„ (Dimorphitis?) Weberi Welt. — Upper Triassic, Timor, Bibl. 95, p. 66, pl. 7, fig. 10, 11.
„ Welteri Dien. — Upper Triassic, Timor, Bibl. 21, p. 114; 95, p. 58, pl. 7, fig. 5—8.
„ sp. ind. Welt. — Upper Triassic, Ceram, Bibl. 97, p. 245. See Juvavites sp. nov. aff. continuo (v. Mojs.) Wann.

Malayites Welt. nov. gen.[24]). — Upper Triassic, Timor, Bibl. 95, p. 83; 21, p. 121; 70, p. 174.
„ Brouweri Pak. — Upper Triassic, Timor, Bibl. 70, p. 175, pl. 1, fig. 5.
„ crasseplicatus Welt. — Upper Triassic (Norian), Timor, Bibl. 70, p. 176; 95, p. 88, pl. 12, fig. 17, 19, 20, textfig. 13.
„ geniculatus Welt. — Upper Triassic, Timor, Bibl. 95, p. 86, pl. 12, fig. 3, textfig. 10, 11.
„ geniculatus elegans Welt. — Upper Triassic, Timor, Bibl. 95, p. 87, pl. 12, fig. 18, 21, textfig. 12.
„ indomalayicus Welt. — Upper Triassic, Timor, Bibl. 95, p. 88, pl. 12, fig. 12, 13, textfig. 14.
„ cf. indomalayicus (Welt.) Pak. — Upper Triassic (Norian), Timor, Bibl. 70, p. 175.
„ informis Welt. — Upper Triassic, Timor, Bibl. 95, p. 84, pl. 12, fig. 1, 2, textfig. 8.
„ malayicus Welt. — Upper Triassic, Timor, Bibl. 70, p. 175; 95, p. 198, pl. 30, fig. 1, 2, textfig. 69. See Sturia malayica Welt.
„ cf. malayicus Welt. — Upper Triassic, Timor, Bibl. 95, p. 198, pl. 30, fig. 8, 9. See Sturia cf. malayica Welt.
„ singularis Welt. — Upper Triassic, Timor, Bibl. 70, p. 174; 95, p. 85, pl. 12, fig. 15, 16, textfig. 9.
„ sundaicus Welt. — Upper Triassic (Norian), Timor, Bibl. 70, p. 176; 95, p. 89, pl. 11, fig. 7, 14, 15, pl. 12, fig. 14.
„ cf. sundaicus (Welt.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 121.

Margarites nov. sp. ind. aff. Devasena Dien. — Upper Triassic, Timor, Bibl. 21, p. 158, pl. 19, fig. 3.
„ sp. ind. ex aff. salinarii (Gümb.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 123, pl. 20, fig. 19—21.
„ senilis v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 188.

Metasibirites sp. ind. aff. Uhligi (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 160, pl. 19, fig. 4.
„ Wanneri Pak. — Upper Triassic, Timor, Bibl. 70, p. 189, pl. 1, fig. 10.
„ nov. sp. ind. Dien. — Upper Triassic, Timor, Bibl. 21, p. 160.

Miltites cfr. Hölderi (v. Mojs.) Welt. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 190; 95, p. 126, pl. 12, fig. 4, 5.

Miltites malayicus Welt. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 163; 95, p. 127, pl. 12, fig. 6—8.
„ cf. Rastli (v. Mojs.) Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 127, pl. 12, fig. 9—11.
Molengraaffites Welt. nov. gen. — Upper Triassic, Timor, Bibl. 95, p. 100.
„ carinatus Welt. — Upper Triassic, Timor, Bibl. 95, p. 102, pl. 14, fig. 1, 2, textfig. 21.
„ compressus Welt. — Upper Triassic, Timor, Bibl. 95, p.103, pl. 13, fig. 12, 17, pl. 15, fig. 1, 2; 21, p. 145.
„ crassus Welt. — Upper Triassic, Timor, Bibl. 21, p. 144; 95, p. 100, pl. 14, fig. 3, 4, textfig. 19, 20.
„ sp. ind. Pak. — Upper Triassic, Timor, Bibl. 70, p. 184.
Paratropites sp. ind. aff. Phoebo (Dittm.) Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 158.
„ Sellai v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 187; 95, p. 121, pl. 19, fig. 14, 15.
Prenkites sundaicus Welt. — Lower Triassic (Meekoceras beds?), Timor, Bibl. 98, p. 150, pl. 168, fig. 18—21. See Subcolumbites sundaicus Welt.
„ timorensis Spath. — Lower Triassic, Timor, Bibl. 104; 98, p. 150, pl. 168, fig. 12, 13. See Columbites nov. spec. ind. Welt.
Protrachyceras Archelaus Laube. — Middle Triassic (Ladinian), Timor, Bibl. 70, p. 208; 96, p. 85, pl. 84, fig. 1; 21, p. 232, pl. 32, fig. 1.
„ bihatiense Dien. — Upper Triassic (Karnian?), Timor, Bibl. 21, p. 233, pl. 32, fig. 2.
„ furcatum Münst. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 86, pl. 84, fig. 3.
„ (?) Jonkeri Pak. — Middle Triassic (Ladinian), Timor, Bibl. 70, p. 209, pl. 2, fig. 4.
„ ladinum v. Mojs.) — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 86; 21, p. 233.
„ cf. longobardicum v.Mojs. — Middle Triassic (Ladinian), Timor, Bibl. 21, p. 233.
„ nov. spec. ex aff. recubariensis (v. Mojs.) Welt. — Middle Triassic (Ladinian), Timor, Bibl. 98, p. 157, pl. 156, fig. 17, 18, 19.
Sagenites cf. biplex (v. Mojs.) Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 152, pl. 30, fig. 3.
„ cfr. biplex (v. Mojs.) Pak. — Upper Triassic (Norian), Timor, Bibl. 70, p. 185.
„ malayicus Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 107, pl. 16, fig. 6, 7, 8, pl. 17, fig. 1.
„ sp. ind. aff. Schaubachi (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 151, pl. 19, fig. 10.
„ subtheodori Krumb. — Upper Triassic (Lower Norian), Buru, Bibl. 49, p. 91, pl. 6, fig. 15.
„ sp. ind. Krumb. — Upper Triassic (Lower Norian), Buru, Bibl. 49, p. 124; 37, p. 690. See Schloenbachia sp.? Kossm.

Sandlingites Archibaldi v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 234; 95, p. 168, pl. 28, fig. 11—13.
„ cf. Archibaldi (v. Mojs.) Pak. — Upper Triassic (Norian), Timor, Bibl. 70, p. 210.
„ nov. sp. ind. ex aff. Archibaldi (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 169, pl. 28, fig. 14—16. See Sandlingites Welteri Dien.
„ cfr. Castoris (v. Mojs.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 210.
„ Cuspidiani Dien. — Upper Triassic, Timor, Bibl. 21, p. 236, pl. 5, fig. 6.
„ striatissimus Dien. — Upper Triassic, Timor, Bibl. 21, p. 235, pl. 17, fig. 5, 6; 70, p. 210.
„ cf. Tuckeri Dien. — Upper Triassic, Timor, Bibl. 21, p. 236, pl. 8, fig. 3.
„ Welteri Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 235; 95, p. 169, pl. 10, fig. 3. See Sandlingites nov. sp. ind. ex aff. Archibaldi (v. Mojs.) Welt.

Sibirites meridianus Welt. — Upper Triassic, Timor, Bibl. 95, p. 125, pl. 12, fig. 25—27.
„ miltitiformis Welt. — Upper Triassic, Timor, Bibl. 95, p. 124, pl. 12, fig. 22—24.
„ subspinescens Krumb. — Upper Triassic (Lower Norian), Buru, Bibl. 49, p. 89, pl. 6, fig. 14.
„ ventroplanus Krumb. — Upper Triassic (Lower Norian), Buru, Bibl. 49, p. 88, pl. 6, fig. 13, textfig. 6.

Sirenites sp. ind. aff. Achillis (v. Mojs.) Dien. — Upper Triassic, Timor, Bibl. 21, p. 240.
„ crassus Dien. — Upper Triassic, Timor, Bibl. 21, p. 239, pl. 17, fig. 3, 4; 70, p. 211.
„ Dianae v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 241; 70, p. 211.
„ cf. Dianae (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 166, pl. 27, fig. 11, 14, 15.
„ nov. sp. ind. ex aff. Dianae (v. Mojs.) Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 242.
„ elegantiformis Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 244, pl. 16, fig. 4, 5; 70, p. 211.
„ Euphrosinae v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 244, pl. 16, fig. 2.
„ cfr. Evae (v. Mojs.) Pak.[25]) — Upper Triassic (Norian), Timor, Bibl. 70, p. 211, pl. 2, fig. 5.
„ cf. Evae (v. Mojs.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 164, pl. 28, fig. 4.
„ Krumbecki Dien.[26]) — Upper Triassic, Timor, Bibl. 21, p. 243, pl. 18, fig. 2.
„ malayicus Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 164, pl. 28, fig. 1—3.

Sirenites cf. Richteri (v. Mojs.) Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 245, pl. 18, fig. 3.
„ subargonautae Dien. — Upper Triassic, Timor, Bibl. 21, p. 237, pl. 18, fig. 1.
„ sp. ind. aff. subargonautae Dien. — Upper Triassic, Timor, Bibl. 21, p. 238.
„ sundaicus Dien. — Upper Triassic, Timor, Bibl. 21, p. 242, pl. 16, fig. 3.
„ trachyceratoides Dien. — Upper Triassic, Timor, Bibl. 21, p. 238, pl. 17, fig. 1.
„ trachyceratoides var. globosa Dien. — Upper Triassic, Timor, Bibl. 21, p. 239, pl. 17, fig. 2.
„ vredenburgiformis Dien. — Upper Triassic, Timor, Bibl. 21, p. 245, pl. 16, fig. 1.
„ sp. ind. Dien. — Upper Triassic, Timor, Bibl. 21, p. 246.

Subcolumbites Spath. nov. gen. — Lower Triassic, Timor, Bibl. 104.
„ sundaicus Welt. — Lower Triassic, Timor, Bibl. 104; 98, p. 150, pl. 168, fig. 18—21.

Thetidites Agatarchi Dien. — Upper Triassic, Timor, Bibl. 21, p. 162, pl. 19, fig. 6.
„ Archytae Dien. — Upper Triassic, Timor, Bibl. 21, p. 163, pl. 19, fig. 9; 70, p. 190.
„ Brysonis Dien. — Upper Triassic, Timor, Bibl. 21, p. 161, pl. 19, fig. 8.
„ sp. ind. ex aff. Brysonis (Dien.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 190.
„ Huxleyi v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 21, p. 161, pl. 19, fig. 7; 70, p. 189.

Trachyceras Aon zu Münst. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 87.
„ sp. ind. aff. aonoides (v. Mojs.) Dien. — Upper Triassic (Norian), Timor, Bibl. 21, p. 231, pl. 29, fig. 10.
„ crassum Welt. — Middle Triassic, Timor, Bibl. 96, p. 87, pl. 83, fig. 5.
„ sp. ind. Welt. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 88, pl. 84, fig. 2.
„ (Protrachyceras?) spec. Gerth. — Upper Triassic (Karnian-Norian), Sumatra, Bibl. 68, p. 277.

Trachysagenites galeatus Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 154, pl. 20, fig. 6.
„ Herbichi v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 152.
„ Herbichi v. Mojs. var. asiatica Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 153.
„ cf. Herbichi (v. Mojs.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 107, pl. 16, fig. 4, 5, pl. 17, fig. 18, textfig. 25. See Trachysagenites Welteri, Pak.
„ Welteri Pak. — Upper Triassic (Karnian), Timor, Bibl. 70, p. 186; 95, p. 107, pl. 16, fig. 4, 5, pl. 17, fig. 18,

textfig. 25. See Trachysagenites cf. Herbichi (v. Mojs.) Welt.

Tropites acutangulus v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 156.

„ acutangulus timorensis Welt. — Upper Triassic, Timor, Bibl. 70, p. 186; 95, p. 113, pl. 18, fig. 1—7.

„ Aristylli Dien. — Upper Triassic, Timor, Bibl. 21, p. 155; 95, p. 115, pl. 18, fig. 8—10. See Tropites nov. spec. ind. ex aff. discobullati (v. Mojs.) Welt.

„ discobullatus v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 155; 70, p. 186.

„ cf. discobullatus v. Mojs.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 114.

„ nov. spec. ind. ex aff. discobullati (v. Mojs.) Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 115, pl. 18, fig. 8—10, textfig. 27. See Tropites Aristylli Dien.

„ sp. ind. ex aff. discobullati (v. Mojs.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 115.

„ dubiosus Welt. — Upper Triassic, Timor, Bibl. 95, p. 117, pl. 19, fig. 6, textfig. 29. See Tropites (?) dubiosus Welt.

„ (?) dubiosus Welt. — Upper Triassic, Timor, Bibl. 21, p. 157; 95, p. 117, pl. 19, fig. 6—9, textfig. 29. See Tropites dubiosus Welt.

„ cf. fusobullatus (v. Mojs.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 167.

„ cf. fusobullatus (v. Mojs.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 111, pl. 20, fig. 7—9.

„ involutus Welt. — Middle Triassic (Ladinian), Timor, Bibl. 98, p. 156, pl. 156, fig. 15, 16.

„ cf. laestrigonius (Gemm.) Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 112, pl. 19, fig. 1, 2.

„ malayicus Welt. — Upper Triassic, Timor, Bibl. 21, p. 155; 70, p. 187; 95, p. 115, pl. 20, fig. 1—5, textfig. 28.

„ spec. ind. ex aff. malayici Welt. — Upper Triassic, Timor, Bibl. 95, p. 117, pl. 20, fig. 6.

„ sp. ind. ex aff. malayici (Welt.) Pak. — Upper Triassic, Timor, Bibl. 70, p. 187.

„ pilificis Dien. — Upper Triassic, Timor, Bibl. 21, p. 156, pl. 19, fig. 1; 70, p. 187.

„ subbullatus v. Hauer. — Upper Triassic (Karnian-Norian), Timor, Bibl. 21, p. 154; 70, p. 186; 95, p. 110, pl. 19, fig. 11—13.

„ cf. Telleri (v. Mojs.) Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 112.

„ torquillus v. Mojs. — Upper Triassic, Timor, Bibl. 21, p. 155; 70, p. 186.

„ cf. torquillus (v. Mojs.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 114, pl. 19, fig. 3—5.

Waldhausenites Welt. nov. gen. — Upper Triassic, Timor, Bibl. 95, p. 167.

Waldhausenites Leophanis Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 159, pl. 19, fig. 5; 70, p. 189.
„ malayicus Dien. — Upper Triassic (Karnian), Timor, Bibl. 21, p. 159; 70, p. 188; 95, p. 167, pl. 27, fig. 4—8, 12, 13.
Welterites Dien. nov. gen. — Upper Triassic, Timor, Bibl. 21, p. 247.
„ egregius Dien. — Upper Triassic, Timor, Bibl. 21, p. 248, pl. 18, fig. 4; 70, p. 212.

FAM. CYCLOLOBIDAE.

Adrianites Beyrichi Han. — Lower Permian, Timor, Bibl. 78, p. 41; 28, p. 83, pl. 50, fig. 13, 14, textfig. 23; 84, p. 661. See Agathiceras Beyrichi Han. and Agathiceras cf. timorense G. Boehm.
„ cancellatus Han. — Lower Permian, Timor, Bibl. 78, p. 41; 28, p. 74; 28, p. 75, pl. 50, fig. 2, 3; 28, p. 76, pl. 50, fig. 1; 103, p. 200. See Agathiceras cancellatum Han., Agathiceras cancellatum form. discoidalis Han. and Agathiceras cancellatum form. globosa Han.
„ Oyensi Han. — Permian, Timor, Bibl. 78, p. 42; 28, p. 77, pl. 50, fig. 4; 103, p. 200. See Agathiceras Oyensi Han.
„ Rothpletzi Han. — Upper Permian, Timor, Bibl. 78, p. 42; 28, p. 82, pl. 50, fig. 5; 103, p. 200. See Agathiceras Rothpletzi Han.
„ timorensis G. Boehm. — Upper Permian, Timor, Bibl. 78, p. 42; 28, p. 79, pl. 50, fig. 6, 7, 12, textfig. 22; 28, p. 80, pl. 50, fig. 8—11; 10, p. 321, pl. 11, fig. 3; 84, p. 661. See Agathiceras timorense G. Boehm, Agathiceras timorense G. Boehm var. involuta Han., Epadrianites evolutus Han., Epadrianites timorensis G. Boehm.
„ Wichmanni Han. — Upper Permian, Timor, Bibl. 78, p. 42; 28, p. 85, pl. 50, fig. 15, textfig. 24. See Agathiceras (Doryceras) Wichmanni Han., Pseudagathiceras (Agathiceras) Wichmanni Han.
Agathiceras Beyrichi Han. — Lower Permian, Bibl. 28, p. 83, pl. 50, fig. 13, 14, textfig. 23. See Adrianites Beyrichi Han.
„ Brouweri Smith. — Upper Permian, Timor, Bibl. 78, p. 39, pl. 9, fig. 15—17; 103, p. 200.
„ cancellatum Han. — Lower Permian, Timor, Bibl. 28, p. 74. See Adrianites cancellatus Han.
„ cancellatum forma discoidalis Han. — Lower Permian, Timor, Bibl. 28, p. 75, pl. 50, fig. 2, 3. See Adrianites cancellatus Han.
„ cancellatum forma globosa Han. — Lower Permian, Timor, Bibl. 28, p. 76, pl. 50, fig. 1. See Adrianites cancellatus Han.
„ Martini Han. — Lower Permian, Timor, Bibl. 78, p. 40; 28, p. 72, pl. 49, fig. 18, 19; 28, p. 74, pl. 49, fig. 20; 103, p. 200. See Agathiceras Martini var. globosa Han.

Agathiceras Martini var. globosa Han. — Lower Permian, Timor, Bibl. 28, p. 74, pl. 49, fig. 20. See Agathiceras Martini Han.
„ Oyensi Han. — Permian, Timor, Bibl. 28, p. 77, pl. 50,
„ fig. 4; 103, p. 200. See Adrianites Oyensi Han.
„ Rothpletzi Han. — Upper Permian, Timor, Bibl. 28, p. 82, pl. 50, fig. 5; 103, p. 200. See Adrianites Rothpletzi Han.
„ sundaicum Han. — Lower Permian, Timor, Bibl. 78, p. 40; 28, p. 66, pl. 49, fig. 7—17, textfig. 19—21; 103, p, 200, pl. 5, fig. 1, 2.
„ sundaicum Han. — Lower Permian, Letti, Bibl. 27, p. 164.
„ timorense G. Boehm. — Upper Permian, Timor, Bibl. 28, p. 79, pl. 50, fig. 6, 7, 12, textfig. 22; 10, p. 321, pl. 11, fig. 3; 94, p. 661. See Adrianites timorense G. Boehm, Epadrianites timorensis G. Boehm.
„ timorense G. Boehm var. involuta Han. — Upper Permian, Timor, Bibl. 28, p. 80, pl. 50, fig. 8—11. See Adrianites timorensis Boehm, Epadrianites involutus Han.
„ cf. timorense G. Boehm [27]) — Permian, Timor, Bibl. 84, p. 661.
„ sp. ind. G. Boehm [28]) — Permian, Timor, Bibl. 84, p. 661.
„ sp. ind. G. Boehm [29]) — Lower Triassic, not Permian Timor, Bibl. 84, p. 661.
„ (Doryceras?) Wichmanni Han. — Upper Permian, Timor, Bibl. 28, p. 85, pl. 50, fig. 15, textfig. 24. See Adrianites Wichmanni Han., Pseudagathiceras (Agahiceras) Wichmanni Han.

Ammonites megaphyllus Beyr. — Lower? Triassic, Timor, Bibl. 4, p. 70, pl. 3, fig. 1; 5, p. 66. See Megaphyllites megaphyllus Beyr.

Cyclolobus persulcatus Rothpl. — Upper Permian, Timor, Bibl. 78, p. 58; 28, p. 116, pl. 53, fig. 4—6, pl. 54, fig. 1; 75, p. 88, pl. 9, fig. 5; 76, p. 61, pl. 1, fig. 5. See Arcestes persulcatus Rothpl.
„ subcumminsi Han. — Lower Permian, Timor, Bibl. 28, p. 114. pl. 52, fig. 14, pl. 53, fig. 2, 3. See Perrinites subcumminsi Han.

Epadrianites Schind. nov. gen. — Upper Permian, Timor, Bibl. 103, p. 200.
„ involutus Han. — Upper Permian, Timor, Bibl. 103, p. 200; 28, p. 80, pl. 50, fig. 8—11. See Agathiceras timorense G. Boehm var. involuta Han., Adrianites timorensis G. Boehm.
„ timorensis G. Boehm. — Upper Permian. Timor, Bibl. 103, p. 200, pl. 5, fig. 3; 78, p. 42; 28, p. 79, pl. 50, fig. 6, 7, 12, textfig. 22; 10, p. 321, pl. 11, fig. 3; 84, p. 661. See Adrianites timorensis G. Boehm, Agathiceras timorense G. Boehm.

Hyattoceras subgeinitzi Han. — Upper Permian Timor, Bibl. 78, p. 57; 28, p. 112, pl. 52, fig. 11—13.
„ Waageni, Smith — Lower Permian, Timor, Bibl. 78, p. 57, pl. 16, fig. 1—6.

Istreites timorensis v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 110, pl. 16, fig. 9.

Joannites cymbiformis Wulf. — Middle Triassic, Upper Triassic (Ladinian-Karnian), Timor, Bibl. 1, p. 100, pl. 16, fig. 1; 95, p. 195; 96, p. 89.

„ cfr. cymbiformis (Wulf.) Welt. — Upper Triassic (Karnian), Ceram, Bibl. 97, p. 245.

„ difissus v. Hauer. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 106, pl. 16, fig. 6.

„ difissus v. Hauer var. argolica Frech. — Upper Triassic, Timor, Bibl. 1, p. 107.

„ difissus v. Hauer var. subdifissa Mojs. emend. Renz. — Upper Triassic, Timor, Bibl. 1, p. 107.

„ Joannis Austriae v. Klipst. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 102, pl. 16, fig. 3.

„ Klipsteini v. Mojs. — Middle Triassic-Upper Triassic (Ladinian-Karnian), Timor, Bibl. 1, p. 101, pl. 16, fig. 2; 8, p. 194.

„ Kossmati Dien. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 103, pl. 16, fig. 4, textfig. 13.

„ macer v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 107, pl. 16, fig. 7.

„ Mojsvari Dien. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 104.

„ cfr. Salteri v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 105, pl. 16, fig. 5.

Lobites Brouweri v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 115, pl. 17, fig. 2.

Marathonites Dieneri Smith. — Lower Permian, Timor, Bibl. 78, p. 46, pl. 11, fig. 1—12; 28, p. 93 and 96, pl. 51, fig. 6, 12, 13, pl. 52, fig. 1, textfig. 26; 103, p. 201. See Popanoceras (Stacheoceras) timorense forme β Han.

„ Dieneri Smith[30]) — Lower Permian, Celebes, Bibl. 16, p. 832. See Popanoceras (Stacheoceras) timorense forma β Han.

„ gracilis Smith — Lower Permian Timor, Bibl. 78, p. 47, pl. 13, fig. 1—6. See Vidrioceras gracile Smith.

„ timorensis Han. — Lower Permian, Timor, Bibl. 78, p. 48, pl. 13, fig. 7—14; 28, p. 93 and 95, pl. 51, fig. 4, 8, textfig. 25; 28, p. 103, pl. 52, fig. 3, 4, textfig. 32; 75, p. 87; 76, p. 57. See Popanoceras (Stacheoceras) timorense forma α Han.; Popanoceras (Stacheoceras) tridens Rothpl. forma α Han., Arcestes tridens Rothpl. p.p., Vidrioceras timorense Han., Vidrioceras Wanneri Schind.

Megaphyllites evolutus Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 114, pl. 89, fig. 2.

„ jarbas zu Münst. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 113.

„ megaphyllus Beyr.[31]). — Lower? Triassic, Timor, Bibl. 96, p. 11, 136; 28, p. 120; 24, p. 504, textfig. p. 495, 503;

75, p. 86, textfig. on p. 87; 76, p. 57, textfig. on p. 57; 4, p. 70, pl. 3, fig. 1; 5, p. 66. See Ammonites megaphyllus Beyr. Arcestes megaphyllus Beyr., Poponoceras megaphyllum Beyr.

Monophyllites Arthaberi Welt. — Middle Triassic, Timor, Bibl. 96, p. 115, pl. 89, fig. 1.

„ nov. spec. ex aff. Dieneri (v. Arth.) Welt. — Lower Triassic, Timor, Bibl. 98, p. 118, pl. 161, fig. 5—7.

„ Hara Dien. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 115, pl. 90, fig. 1—3.

„ pseudo-pradyumna Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 117, pl. 90, fig. 4.

„ Simonyi v. Hauer. — Middle Triassic (Ladinian), Upper Triassic, Timor, Bibl. 96, p. 97, pl. 86, fig. 2, 3, textfig. 3; 1, p. 190.

„ wengensis Klipst. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 97, textfig. 4, 5.

„ wengensis Klipst. var. argolica Renz. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 97, pl. 86, fig. 1, textfig. 6.

Neostacheoceras Schind. nov. gen. — Lower Permian, Timor, Bibl. 103, p. 201.

„ Hanieli Schind. — Lower Permian, Timor, Bibl. 103, p. 201; 28, p. 99, pl. 51, fig. 9, 10, textfig. 31. See Popanoceras (Stacheoceras) timorense forma ϑ Han.

„ tridens Rothpl. — Lower Permian, Timor, Bibl. 103, p. 201; 78, p. 50, pl. 13, fig. 18—21; 28, p. 102, 105, textfig. 35; 75, p. 87, pl. 9, fig. 4; 76, p. 57, pl. 1, fig. 4. See Popanoceras (Stacheoceras) tridens Rothpl. forma ζ Han. (Stacheoceras) tridens Rothpl., Arcestes tridens Rothpl.

„ nov. sp. Schind. — Lower Permian, Timor, Bibl. 103, p. 201; 28, p. 99, pl. 51, fig. 7—11, textfig. 30. See Poponoceras (Stacheoceras) timorense forma η Han.

Parapopanoceras dyadicum Han. — Upper Permian, Timor, Bibl. 78, p. 54; 28, p. 106, pl. 52, fig. 6.

Perrinites Brouweri Smith. — Lower Permian, Timor, Bibl. 78, p. 55, pl. 14, fig. 1—4.

„ subcumminsi Han. — Lower Permian, Timor, Bibl. 78, p. 55, pl. 16, fig. 10, 11; 28, p. 114, pl. 52, fig. 14, pl. 53, fig. 2, 3. See Cyclolobus subcumminsi Han.

Popanoceras Boesei Smith. — Lower Permian, Timor, Bibl. 78, p. 51, pl. 15, fig. 1, 2.

„ Hanieli Smith. — Lower Permian, Timor, Bibl. 78, p. 52, pl. 15, fig. 3—13; 28, p. 88, pl. 51, fig. 2, 3. See Popanoceras indo-australicum Han.

„ indo-australicum Han. — Lower Permian, Timor, Bibl. 78, p. 53; 28, p. 88, pl. 50, fig. 16—19, pl. 51, fig. 1. See Popanoceras Hanieli Smith.

Popanoceras megaphyllum Beyr. — Lower? Triassic not Permian, Timor, Bibl. 21, p. 503. See Megaphyllites megaphyllus Beyr.

„ (Stacheoceras) timorense Han. — Lower Permian, Timor, Bibl. 28, p. 93, pl. 51, fig. 4—13, pl. 52, fig. 1; 75, p. 87; 76, p. 57. See Marathonites Dieneri Smith, Marathonites timorensis Han., Arcestes tridens Rothpl.

„ (Stacheoceras) timorense forma α Han. — Lower Permian, Timor, Bibl. 28, p. 95, pl. 51, fig. 4—8, textfig. 25. See Marathonites timorensis Han., Vidrioceras timorense Han.

„ timorense β Han. [30]) — Lower Permian, Celebes, Bibl. 16, p. 832. See Marathonites Dieneri Smith.

„ (Stacheoceras) timorensis forma β Han. — Lower Permian, Timor, Bibl. 28, p. 93, 96, pl. 51, fig. 6, 12, 13, pl. 52, fig. 1, textfig. 26. See Marathonites Dieneri Smith.

„ (Stacheoceras) timorense forma γ Han. — Lower Permian, Timor, Bibl. 28, p. 97, extfig. 27.

„ (Stacheoceras) timorense forma δ Han. — Lower Permian, Timor, Bibl. 28, p. 98, pl. 51, fig. 5, textfig. 28.

„ (Stacheoceras) timorense forma ζ Han. — Lower Permian, Timor, Bibl. 28, p. 98, textfig. 29.

„ (Stacheoceras) timorense forma η Han. — Lower Permian, Timor, Bibl. 28, p. 99, pl. 51, fig. 7—11, textfig. 30.

„ (Stacheoceras) timorense forma ϑ Han. — Lower Permian, Timor, Bibl. 28, p. 99, pl. 51, fig. 9, 10, textfig. 31. See Neostacheoceras Hanieli Schind.

„ (Stacheoceras) tridens Rothpl. — Lower Permian, Timor, Bibl. 28, p. 102, pl. 52, fig. 2—5, textfig. 32—35. See Marathonites timorensis Han., Stacheoceras Arthaberi Smith, Stacheoceras tridens Rothpl., Arcestes tridens Rothpl.

„ (Stacheoceras) tridens Rothpl. forma α Han. — Lower Permian, Timor, Bibl. 28, p. 103, pl. 52, fig. 3—4, textfig. 32. See Marathonites timorensis Han., Vidrioceras Wanneri Schind.

„ (Stacheoceras) tridens Rothpl. forma β Han. — Lower Permian, Timor, Bibl. 28, p. 103.

„ (Stacheoceras) tridens Rothpl. forma γ Han. — Lower Permian, Timor, Bibl. 28, p. 104.

„ (Stacheoceras) tridens Rothpl. forma δ Han. — Lower Permian, Timor, Bibl. 28, p. 104, pl. 52, fig. 2, textfig. 33. See Stacheoceras Arthaberi Smith.

„ (Stacheoceras) tridens Rothpl. forma ε Han. — Lower Permian, Timor, Bibl. 28, p. 104, pl. 52, fig. 5, textfig. 34. See Stacheoceras Arthaberi Smith.

„ (Stacheoceras) tridens Rothpl. forma ζ Han. — Lower Permian, Timor, Bibl. 28, p. 102, 105, textfig. 35. See Stacheoceras tridens Rothpl., Neostacheoceras tridens Rothpl.

Pseudagathiceras Schind. nov. gen. — Permian, Timor, Bibl. 103, p. 200.
„ (Agathiceras) Wichmanni Han. — Upper Permian, Timor, Bibl. 103, p. 200; 78, p. 42; 28, p. 85, pl. 50, fig. 15, textfig. 24. See Adrianites Wichmanni Han., Agathiceras (Doryceras) Wichmanni Han.

Romanites Simionescui Kittl. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 108, pl. 16, fig. 8.
„ cf. Simionescui (Kittl.) Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 113, pl. 91, fig. 1.

Stacheoceras Arthaberi Smith — Lower Permian, Timor, Bibl. 78, p. 50, pl. 13, fig. 15—17; 28, p. 104, pl. 52, fig. 2, 5, textfig. 33, 34; 103, p. 201. See Popanoceras (Stacheoceras) tridens Rothpl. forma δ and ε.
„ tridens Rothpl. — Upper Permian, Timor, Bibl. 78, p. 50, pl. 13, fig. 18—21; 28, p. 102, 105, textfig. 35; 75, p. 87, pl. 9, fig. 4; 76, p. 57, pl. 1, fig. 4. See Popanoceras (Stacheoceras) tridens Rothpl. forma ζ Han., Neostacheoceras tridens Rothpl. and Arcestes tridens Rothpl.

Timorites Han. nov. gen. — Permian, Timor, Bibl. 28, p. 108.
„ curvicostatus Han. — Upper Permian, Timor, Bibl. 78, p. 43; 28, p. 109, pl. 52, fig. 9, 10.
„ Hanieli Smith. — Upper Permian, Timor, Bibl. 78, p. 43, pl. 9, fig. 18—21.
„ striatus Han. — Upper Permian, Timor, Bibl. 78, p. 44; 28, p. 110, pl. 52, fig. 7, 8.

Vidrioceras gracile Smith. — Lower Permian, Timor, Bibl. 103, p. 201; 78, p. 47, pl. 13, fig. 1—6. See Marathonites gracilis Smith.
„ timorense Han. — Lower Permian, Timor, Bibl. 103, p. 201; 78, p. 48, pl. 13, fig. 7—14; 28, p. 95, pl. 51, fig. 4, 8, textfig. 25. See Marathonites timorensis Han., Popanoceras (Stacheoceras) timorense forma α Han.
„ Wanneri Schind. — Lower Permian, Timor, Bibl. 103, p. 201; 28, p. 103, pl. 52, fig. 3—4, textfig. 32; 78, p. 48. See Popanoceras (Stacheoceras) tridens Rothpl. forma α Han., Marathonites timorensis Han.

Waagenoceras Gemmellaroi Han. — Upper Permian, Timor, Bibl. 78, p. 56; 28, p. 120, pl. 53, fig. 1, textfig. 36.

FAM. ARCESTIDAE.

Arcestes agnatus v. Mojs. var. timorensis Welt. — Upper Triassic
„ (Norian), Timor, Bibl. 1, p. 58; 95, p. 184, pl. 29, fig. 8—11, textfig. 61. See Arcestes agnatus timorensis Welt.
„ agnatus timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 95, pl. 29, fig. 8—11, textfig. 61. See Arcestes agnatus v. Mojs. var. timorensis Welt.
„ Antonii v. Mojs. — Upper Triassic, Timor, Bibl. 1, p. 83.
„ biceps v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 1, p. 67, pl. 8, fig. 6—8.

Arcestes bicornis v. Hauer. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 185, pl. 29, fig. 3, 4. See Arcestes Welteri v. Arth.
„ bicornis v. Hauer. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 61.
„ bulla v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 80, pl. 10, fig. 5.
„ bulla var. bulloides v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 81, pl. 10, fig. 6.
„ cfr. clausus (v. Mojs.) v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 84.
„ Czörnigi v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 78.
„ decipiens v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 59, pl. 6, fig. 6, 7.
„ Dieneri v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1. p. 64, pl. 7, fig. 3.
„ diphyus v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 1, p. 60, pl. 7, fig. 1.
„ aff. Frechi (Dien.) v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 82.
„ hollandicus v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 65, pl. 7, fig. 5, pl. 8, fig. 1—4.
„ Jonkeri v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 65, pl. 7, fig. 4.
„ megalosphaerus v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 85, textfig. 12; 95, p. 183, textfig. 59, 60. See Arcestes cf. parvogaleatus (v. Mojs.) Welt.
„ megaphyllus Beyr. — Lower ? Triassic, not Permian, Timor, Bibl. 75, p. 86, textfig. on p. 86; 76, p. 57, textfig. on p. 57. See Megaphyllites megaphyllus Beyr.
„ cf. parvogaleatus (v. Mojs.) Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 183, textfig. 59, 60. See Arcestes megalosphaerus v. Arth.
„ (Cyclolobus Waag.) persulcatus Rothpl. — Lower Permian, Timor, Bibl. 75, p. 88, pl. 9, fig. 5; 76, p. 61, pl. 1, fig. 5. See Cyclolobus persulcatus Rothpl.
„ Piae Dien. — Upper Triassic, Timor, Bibl. 1, p. 61, pl. 6, fig. 8.
„ placenta v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 82.
„ cfr. polysarcus (v. Mojs.) v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 70, textfig. 70.
„ Richthofeni v. Mojs. var. v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 69, pl. 9, fig. 2.
„ Rothpletzi Welt. — Upper Triassic (Norian), Timor, Bibl. 1, p. 68; 8, p. 188, pl. 29, fig. 16—19.
„ cfr. Rothpletzi (Welt.) v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 68, pl. 8, fig. 9.
„ nov. spec. ind. ex aff. Rothpletzi Welt. — Upper Triassic. Timor, Bibl. 95, p. 190, pl. 29, fig. 20.

Arcestes subdistinctus v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 1, p. 57, pl. 6, fig. 5.
„ sundaicus Welt. — Upper Triassic (Norian), Timor, Bibl. 1, p. 75, textfig. 11; 95, p. 186, pl. 29, fig. 1, 2, textfig. 64, 65.
„ cfr. sundaicus (Welt.) v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 78.
„ tacitus v. Mojs. v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 79, pl. 10, fig. 4.
„ timorensis v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 55, pl. 6, fig. 1—3.
„ tridens Rothpl. — Lower Permian, Bibl. 75, p. 87, pl. 9, fig. 4; 76, p. 57, pl. 1, fig. 4. See Stacheoceras tridens Rothpl., Popanoceras (Stacheoceras) timorense Han., Marathonites timorensis Han., Neostacheoceras tridens Rothpl.
„ turgidus v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 72, pl. 9, fig. 3.
„ umbonatus v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 74, pl. 10, fig. 2, 3.
„ Welteri v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 62; 95, p. 185, pl. 29, fig. 3, 4. See Arcestes bicornis v. Hauer.
„ nov. sp. (ex aff. intuslabiati (v. Mojs.)) v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 72, textfig. 10.
„ sp. ind. (ex aff. intuslabiati (v. Mojs.)) v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 69.
„ spec. indet. (ex aff. coloni v. Mojs.) v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 81.
Didymites Adriani v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 127, pl. 13, fig. 2.
„ nov. sp. indet. ex aff. Adriani v. Arth. — Upper Triassic, Timor, Bibl. 1, p 127, pl. 13, fig. 3.
„ angustilobatus v. Hauer. — Upper Triassic, Timor, Bibl. 1, p. 130, pl. 14, fig. 5.
„ angustilobatus v. Hauer var. A. v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 132, pl. 15, fig. 2.
„ angustilobatus v. Hauer var. B. v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 133, pl. 15, fig. 3.
„ angustilobatus v. Hauer var. perplana v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 132, pl. 15, fig. 1.
„ angustilobatus v. Hauer var. timorensis v. Arth. — Upper
„ Triassic, Timor, Bibl. 1, p. 131, pl. 14, fig. 6, 7; 95, p. 108, pl. 17, fig. 11—13. See Didymites cf. angustilobatus (v. Hauer) Welt.
„ cf. angustilobatus (v. Hauer) Welt. — Upper Triassic, Timor, Bibl. 95, p. 108, pl. 17, fig. 11—13. See Didymites angustilobatus v. Hauer var. timorensis v. Arth.
„ Apollonis v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 128, pl. 13, fig. 4, pl. 14, fig. 1.
„ Apollonis var. v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 128, pl. 13, fig. 5.

Didymites conglobatus v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 125, pl. 12, fig. 11, 12.
„ inopinatus v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 126, pl. 13, fig. 1.
„ isculitiformis v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 134, pl. 15, fig. 4.
„ Kitchini Dien. — Upper Triassic, Timor, Bibl. 1, p. 135, pl. 14, fig. 4.
„ malayicus Welt. Upper Triassic, Timor, Bibl. 1, p. 134, pl. 14, fig. 2, 3; 95, p. 109, pl. 17, fig. 7, 8, textfig. 26.
„ cf. sphaeroides (v. Mojs.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 109, pl. 17, fig. 14.
„ subglobus v. Mojs. — Upper Triassic (Norian), Timor, Bibl. 1, p. 124, pl. 12, fig. 5—7.
„ subglobus v. Mojs. var. brevilobata v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 125, pl. 12, fig. 9.
„ subglobus v. Mojs. var. paucilobata v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 124, pl. 12, fig. 8.
„ tectus v. Mojs. — Upper Triassic, Timor, Bibl. 1, p. 123, pl. 12, fig. 10.
„ Valerii v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 129, pl. 13, fig. 6.
Pararcestes discoidalis v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 95, pl. 8, fig. 10.
„ sublabiatus timorensis Welt. — Upper Triassic, Timor, Bibl. 95, p. 191, pl. 34, fig. 14—15, textfig. 66.
„ trilabiatus Kittl. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 98, pl. 15, fig. 5.
„ Wanneri v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 96, pl. 12, fig. 4.
„ Zitteli timorensis Welt. — Upper Triassic, Timor, Bibl. 95, p. 191, pl. 29, fig. 21, 22.
„ sp. ind. v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 97.
Proarcestes ausseeanus v. Hauer. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 51, pl. 5, fig. 1—6; 95, p. 180. See Proarcestes cf. bicarinatus ausseeanus v. Hauer) Welt.
„ cf. bicarinatus ausseeanus (v. Hauer) Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 180.
„ globosus v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 54, pl. 5, fig. 8.
„ Hanieli Welt. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 53, pl. 5, fig. 7; 95, p. 181, pl. 29, fig. 5—7, textfig. 56—58.
„ Hanieli var. lata Welt. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 54, pl. 5, fig. 7*b*.
„ Hanieli var. procera Welt. — Upper Triassic (Karnian) Timor, Bibl. 1, p. 54, pl. 5, fig. 7*c*.
„ spec. ind. Welt. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 88, pl. 84, fig. 4.

Stenarcestes amarassicus v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 93, pl. 11, fig. 8.
„ cfr. Barrandei (Laube) v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 91, pl. 11, fig. 6.
„ malayicus Welt. — Upper Triassic, Timor, Bibl. 95, p. 193, pl. 29, fig. 12—15, textfig. 67.
„ Martini v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 90, pl. 11, fig. 4, 5.
„ Molengraaffi v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 93, pl. 11, fig. 7.
„ subumbilicatus Bronn. — Upper Triassic (Norian), Timor, Bibl. 1, p. 89, pl. 11, fig. 1—3.
„ Verbeeki v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 94, pl. 12, fig. 1, 2.

FAM. CLADISCITIDAE.

Cladiscites Beyrichi Welt. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 24, pl. 1, fig. 1—4, pl. 28, fig. 22, textfig. 42—45.
„ Beyrichi Welt. var. angusta v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 27, pl. 1, fig. 6, 7.
„ Beyrichi Welt. var. externeplicata v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 28, pl. 2, fig. 1, 2; 95, p. 174. See Cladiscites externeplicatus v. Mojs.
„ Beyrichi Welt. var. rotundata v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 26, pl. 1, fig. 5; 95, p. 171, textfig. 46. See Cladiscites Beyrichi striatissimus Welt.
„ Beyrichi striatissimus Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 171, textfig. 46. See Cladiscites Beyrichi Welt. var. rotundata v. Arth.
„ carinatus v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 33, pl. 2, fig. 6.
„ crassestriatus v. Mojs. — Upper Triassic, Timor, Bibl. 1, p. 33, pl. 3, fig. 1, 2; 91, p. 190, pl. 7, fig. 7, textfig. 4, 5; 95, p. 172.
„ externecavatus Welt. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 31; 95, p. 175, pl. 28, fig. 17—19; 95, p. 177, pl. 28, fig. 20, 21, textfig. 53, 54. See Hypocladiscites subcarinatus timorensis Welt.
„ externeplicatus v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 174. See Cladiscites Beyrichi var. externeplicata v. Mojs.
„ Gorgiae Gemm. — Upper Triassic, Timor, Bibl. 1, p. 29, pl. 2, fig. 3; 95, p. 173, textfig. 47, 48. See Cladiscites cf. Gorgiae (Gemm.) Welt.
„ Gorgiae var. coracis Gemm. — Upper Triassic, Timor, Bibl. 1, p. 30, pl. 2, fig. 4.
„ cf. Gorgiae (Gemm.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 173, textfig. 47, 48. See Cladiscites Gorgiae Gemm.

Cladiscites subcarinatus Gemm. var. sicula v. Arth. — Upper Triassic, Timor, Bibl. 1, p. 31, pl. 3, fig. 5.
„ substriatulus Welt. — Middle Triassic (Ladinian), Timor, Bibl. 96, p. 90, pl. 85, fig. 2, textfig. 2.
„ cf. tenuiplicatus (Gemm.) Welt. — Upper Triassic, Timor, Bibl. 95, p. 174.
„ tornatus Bronn. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 172.

Hypocladicites subaratus v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 36, pl. 3, fig. 3—5; 95, p. 175, textfig. 49, 50.
„ subaratus compressus Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 176, textfig. 51.
„ subaratus v. Mojs. var. planata Welt. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 38; 95, p. 177, textfig. 52. See Hypocladiscites subaratus planatus Welt.
„ subaratus planatus Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 177, textfig. 52. See Hypocladiscites subaratus v. Mojs. var. planata Welt.
„ subaratus timorensis Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 177, pl. 28, fig. 20, 21, textfig. 53, 54.
„ cf. subaratus (v. Mojs.) Wann. — Upper Triassic (Karnian), Rotti, Bibl. 91, p. 191, pl. 7, fig. 8.
„ subcarinatus timorensis Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 177, pl. 28, fig. 20, 21, textfig. 53, 54. See Cladiscites externecavatus Welt.
„ subtornatus v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 38.

Paracladiscites Brouweri v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 42, pl. 4, fig. 2.
„ indicus v. Mojs. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 42, pl. 4, fig. 3; 8, p. 178, extfig. 55.
„ multilobatus Bronn. — Upper Triassic (Norian), Timor, Bibl. 95, p. 179.
„ timidus v. Mojs. — Upper-Triassic (Karnian), Timor, Bibl. 1, p. 41.
„ timorensis v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 39, pl. 4, fig. 1, textfig. 1.

Procladiscites cf. Yasoda (Dien.) Welt. — Middle Triassic (Anisian), Timor, Bibl. 96, p. 112, pl. 91, fig. 4.

FAM. PHYLLOCERATIDAE.

Discophyllites debilis timorensis Welt. — Upper Triassic (Norian), Timor, Bibl. 95, p. 204, pl. 30, fig. 12, 13, textfig. 77. See Rhacophyllites debilis v. Hauer.
„ cf. Ebneri (v. Mojs.) Welt. — Upper Triassic (Karnian), Timor, Bibl. 95, p. 202, pl. 30, pl. 30, fig. 10, 11, textfig. 74—76.
„ Floweri Dien. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 152, textfig. 18.

Discophyllites Krumbecki v. Arth. — Upper Triassic (Karnian), Timor, Bibl. 1, p. 151, pl. 18, fig. 6.

„ neojurensis Quenst. — Upper Triassic (Norian), Timor, Bibl. 95, p. 199, pl. 30, fig. 5—7, textfig. 70—73. See Rhacophyllites neojurensis Quenst.

Palaeophyllites Welt. nov. gen. — Lower Triassic, Timor, Bibl. 98, p. 118.

„ Steinmanni Welt. — Lower Triassic (Owenites beds), Timor, Bibl. 98, p. 119, pl. 162, fig. 5—7, pl. 163, fig. 3—6.

Phylloceras cylindricoides Krumb. — Lias, Timor, Bibl. 51, p. 105, pl. 176, fig. 5.

„ aff. cylindrico (Sow.) Krumb. — Lower Lias, Rotti, Bibl. 50, p. 172, pl. 15, fig. 10, pl. 16, fig. 4.

„ Eastoni Kruiz. — ? Callovian Taliabu, Bibl. 47, pl. 5, fig. 1, 2, textfig. p. 26.

„ galoi G. Boehm. — Oxfordian Buru, Bibl. 30, p. 136, textfig. 3, 4.

„ galoi G. Boehm. — Oxfordian Taliabu, Mangoli, Bibl. 47, p. 23; 7, p. 76, pl. 12, fig. 1—4, textfig. 23.

„ insulare Waag. — Oxfordian Buru, Bibl. 30, p. 135, pl. 11, fig. 1, textfig. 1, 2.

„ insulindae G. Boehm. — Oxfordian Taliabu, Bibl. 47, p. 27; 7, p. 83, pl. 17, fig. 2, textfig. 28.

„ Nilsoni Héb. var. timorensis Krumb. — Upper Dogger, Timor, Bibl. 51, p. 106, pl. 173, fig. 15.

„ malayanum G. Boehm. — Oxfordian, Buru, Bibl. 10, p. 325; 30, p. 137, textfig. 5.

„ malayanum G. Boehm. — Oxfordian Taliabu, Mangoli, Bibl. 47, p. 23; 7, p. 78, pl. 12, fig. 7, pl. 13, pl. 14, pl. 15, fig. 1, 2, textfig. 24—26.

„ malayanum G. Boehm var. mefaensis Humm. — Oxfordian. Buru, Bibl. 30, p. 137, pl. 11, fig. 2, textfig. 6.

„ mamåpiricum G. Boehm. — Callovian Taliabu, Bibl. 7, p. 139, pl. 32, fig. 11. See Phylloceras taliabuticum Kruiz.

„ mamåpiricum G. Boehm. — Callovian, New Guinea, Bibl. 47,

„ p. 28; 12, p. 7, pl. 1, fig. 3, pl. 2, fig. 1, 2, textfig. 1; 12, p. 9, textfig. 2. See Phylloceras sp.

„ aff. mediterraneum (Neum.) Humm. — Oxfordian, Buru, Bibl. 30, p. 138, textfig. 7.

„ monsuni G. Boehm. — Oxfordian, Buru, Bibl. 30, p. 135.

„ monsuni G. Boehm. — Oxfordian, Taliabu, Bibl. 47, p. 27; 7, p. 75, pl. 12, fig. 5, 6, textfig. 22.

„ passati G. Boehm. — Oxfordian Taliabu, Mangoli, Bibl. 7, p. 82, pl. 15, fig. 3, pl. 16, pl. 17, fig. 1, textfig. 27.

„ rotticum Krumb. — Middle Lias Rotti, Bibl. 50, p. 173, pl. 16, fig. 1—3.

„ strigile Blanf. — Lower Cretaceous (Transition Jurassic-Cretaceous) Taliabu, Mangoli, Bibl. 47, p. 35; 7, p. 22;

Phylloceras 84, p. 664, pl. 1, fig. 5, 6, pl. 2, fig. 1, pl. 3, fig. 1, 2, textfig. 1, 2.
„ subcapitanei Krumb. — Middle Lias, Rotti, Bibl. 50, p. 176, pl. 15, fig. 8, 9, pl. 16, fig. 7.
„ submeneghinii Krumb. — Middle Lias, Rotti, Bibl. 50, p. 178, pl. 16, fig. 8—13.
„ taliabuticus Kruiz. — Callovian Taliabu, Bibl. 47, p. 30, pl. 3, fig. 1, 2, pl. 6, fig. 3, pl. 7, fig. 1, textfig. on p. 32; 7, p. 139, pl. 32, fig. 11. See Phylloceras mamåpiricum G. Boehm.
„ cf. taliabuticum Kruiz. — Callovian Taliabu, Bibl. 47, p. 33, pl. 5, fig. 3.
„ Verbeeki Kruiz. — ? Callovian Taliabu, Bibl. 47, p. 23, pl. 4, fig. 3, 4.
„ cfr. Zetes (d'Orb.) Krumb. — Middle Lias, Rotti, Bibl. 50, p. 175.
„ sp. nov.? G. Boehm. — Callovian Taliabu, Bibl. 7, p. 140, pl. 33, fig. 1, 2, textfig. 55, 56.
„ sp. G. Boehm. — Lower Callovian, New Guinea, Bibl. 12, p. 9, textfig. 2. See Phylloceras mamåpiricum G. Boehm.
„ sp. Boehm. — Dogger, Obimajora, Bibl. 92, p. 568.
„ sp. ind. G. Boehm. — Jurassic, Rotti, Bibl. 84, p. 663.
„ sp. Rothpl. — Jurassic, Rotti, Bibl. 75, p. 104; 76, p. 90.
„ sp. indet. Humm. — Oxfordian, Buru, Bibl. 30, p. 139.
„ sp. Soerg. — Lower Dogger, Fialpopo (Misolarchipelago), Bibl. 79, p. 621.

Rhacophyllites bihatiensis v. Arth.[82]) — Upper Triassic (Norian), Timor, Bibl. 1, p. 149, pl. 18, fig. 2.
„ cladiscitoides v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 149, pl. 18, fig. 3, 4.
„ debilis v. Hauer. — Upper Triassic (Norian), Timor, Bibl. 1, p. 44, textfig. 17; 95, p. 204, pl. 30, fig. 12, 13, textfig. 77. See Discophyllites debilis timorensis Welt.
„ debilis v. Hauer var. triangularis v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 146, pl. 17, fig. 4.
„ disciformis v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 148, pl. 17, fig. 6, pl. 18, fig. 1.
„ fallax v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 147, pl. 17, fig. 5.
„ neojurensis Quenst. — Upper Triassic (Norian), Timor, Bibl. 1, p. 142, textfig. 16; 95, p. 199, pl. 30, fig. 5—7, textfig. 70—73. See Discophyllites neojurensis Quenst.
„ phylloceratoides v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 150, pl. 18, fig. 5.
„ sp. ex aff. Rhac. stellae (Sow.) Krumb. — Lias, Timor, Bibl. 51, p. 104, pl. 177, fig. 12.
„ ürmosensis Herb. var. rotticensis Krumb. — Lower Lias, Rotti, Bibl. 50, p. 169, pl. 16, fig. 5, 6.
„ ? sp. ind. G. Boehm. — Jurassic Rotti, Bibl. 84, p. 663.

Trachyphyllites costatus v. Arth. — Upper Triassic (Norian), Timor, Bibl. 1, p. 141, pl. 17, fig. 3.

FAM. LYTOCERATIDAE.

Analytoceras (Pleuracanthites?) aff. articulato (Sow.) Krumb. — Lower Lias, Timor, Bibl. 51, p. 109, pl. 177, fig. 9, textfig. 1.

„ sp.? aff. articulato (Sow.) Krumb. — Lower Lias, Timor, Bibl. 51, p. 108, pl. 177, fig. 2.

(?) „ sp. nov. Krumb. — Lias, Timor, Bibl. 51, p. 110, pl. 177, fig. 10.

Ectocentrites sp. nov. aff. italico (Canav.) Krumb. — Lias, Timor, Bibl. 51, p. 110, pl. 177, fig. 7, textfig. 2.

? Lytoceras sp. ind. ex aff. articulato (Sow.) P. G. Krause. — Upper Cretaceous (Cenomanian), Borneo, Bibl. 41, p. 184, fig. 3; 42, p. 16. See Ammonites sp. P. G. Krause.

„ cf. fimbriatum (Sow.) Krumb. — Middle Lias, Rotti, Bibl. 50, p. 180.

„ rotticum Krumb. — Lias, Rotti, Bibl. 50, p. 182, pl. 17, fig. 1.

„ sp. ex aff. L. jurensis (v. Ziet.) Krumb. [33]) — Middle Lias, Rotti, Bibl. 50, p. 184, pl. 15, fig. 7, pl. 17, fig. 6.

„ sp. ind. ex aff. L. quadrisulcati (d'Orb.) G. Boehm. — Jurassic, Babar, Bibl. 84, p. 662.

„ sp. Boehm. — Lower Cretaceous (Transition Jurassic-Cretaceous) Sula Islands, Bibl. 7, p. 25, pl. 2, fig. 2—4.

„ sp. Gür. — Lower Lias, Rotti, Bibl. 26, p. 17.

„ sp. Rothpl. — Lias-Neocomian, Rotti, Bibl. 75, p. 104; 76, p. 90.

Bochianites Versteeghi G. Boehm. — Lower Cretaceous (Transition Jurassic-Cretaceous), Sula Islands, Bibl. 7, p. 27, pl. 2, fig. 6, textfig. 4.

„ Weteringi G. Boehm. — Lower Cretaceous (Transition Jurassic-Cretaceous), Sula Islands, Bibl. 47, p. 35; 7, p. 26, pl. 1, 2, fig. 5, textfig. 3.

FAM. AEGOCERATIDAE.

Subfam. PSILOCERATINAE.

Psilonoticeras cf. plicatum (Quenst.) Gür. [34]) — Lower Lias, Rotti, Bibl. 26, p. 17.

Subfam. ARIETITINAE.

Arieticeras geometricum Opp. — Lower Lias Rotti, Bibl. 26, p. 17. See Arnioceras geometricum Oppel.

„ cf. spiratissimum (Quenst.) Gür. — Lower Lias, Rotti, Bibl. 26, p. 17. See Arietites cf. spiratissimum (Quenst.) Gür.

Arietites (Arnioceras) cfr. ceratitoides (Quenst.) Krumb. (= semicostatus (Yet B.) Wright. — Lias Rotti, Bibl. 50, p. 188. See Arnioceras mendax Fucc.

Arietites sp .aff. coregonensi (Sow.) Krumb. — Lower Lias, Timor, Bibl. 51, p. 112, pl. 177, fig. 6.
„ sp. cfr. coregonensis (Sow.) Krumb. — Lower Lias, Timor, Bibl. 51, p. 112, pl. 177, fig. 3.
„ (Arnioceras) geometricus Opp. — Lower Lias, Rotti, Bibl. 50, p. 187. See Arnioceras ceratitoides Quenst. emend. Fucc.
„ geometricus Opp. — Lower Lias, Rotti, Bibl. 75, p. 97, pl. 14, fig. 2; 76, p. 78, pl. 6, fig. 2. See Arnioceras ceratitoides (Quenst.) emend. Fucc.
„ (Caloceras) longicellus (Quenst.) Rothpl. — Lower Lias, Rotti, Bibl. 50, p. 193; 75, p. 98, pl. 12, fig. 1, textfig. p. 99; 76, p. 80, pl. 12, fig. 1, textfig. on p. 81.
„ longicellus (Quenst.) emend. Rothpl. — Lower Lias, Rotti, Bibl. 75, p. 98, pl. 12, fig. 1, textfig. on p. 99; 76, p. 80, pl. 4, fig. 1, textfig. on p. 81. See Arietites (Caloceras) longicellus (Quenst.) emend. Rothpl.
„ (Coroniceras) sp. aff. lyrae (Hyatt) Krumb. — Lower Lias, Rotti, Bibl. 50, p. 186, pl. 17, fig. 7. See (Coroniceras sp. aff. lyrae (Hyatt) Krumb.
„ (Coroniceras) cfr. rotator (Reyn.) Krumb. — Lower Lias, Rotti, Bibl. 50, p. 184, pl. 17, fig. 13. See Coroniceras cf. rotator (Reyn.) Krumb.
„ (Arnioceras) rotticus Rothpl. — Lower Lias, Rotti, Bibl. 50, p. 189, pl. 17, fig. 12. See Arnioceras rotticus Rothpl.
„ rotticus Rothpl. — Lower Lias, Rotti, Bibl. 75, p. 100, pl. 12, fig. 2, textfig. on p. 99; 76, p. 82, pl. 4, fig. 2, textfig. on p. 81. See Arnioceras rotticus Rothpl.
„ cf. spiratissimum (Quenst.) Gür.[85]) — Lower Lias, Rotti, Bibl. 26, p. 17. See Arieticeras cf. spiratissimum (Quenst.) Gür.
„ Wichmanni Rothpl. — Lias Rotti, Bibl. 75, p. 100, pl. 12, fig. 5; 76, p. 83, pl. 4, fig. 5. See Arnioceras Wichmanni Rothpl.
„ Wichmanni Rothpl. var. landuensis Krumb. — Lower Lias, Rotti, Bibl. 50, p. 192, pl. 17, fig. 8. See Arnioceras Wichmanni Rothpl. var. landuensis Krumb.
„ (Arnioceras) cfr. Wichmanni (Rothpl.) Krumb. — Lower Lias, Rotti, Bibl. 50, p. 190, pl. 17, fig. 9—11. See Arnioceras cfr. Wichmanni (Rothpl.) Krumb.
„ cfr. Wichmanni (Rothpl.) Krumb. — Lias Timor, Bibl. 51, p. 113. See Arnioceras cfr. Wichmanni (Rothpl.) Krumb.
„ sp. Rothpl. — Lias Rotti, Bibl. 75, p. 101, pl. 14, fig. 5; 76, p. 84, pl. 6, fig. 5.

Arnioceras sp. ind. cf. Arnouldi (Dum.) Wann. et Jaw. — Lower Lias,
„ Jamdena (Tenimber archipelago), Bibl. 102, p. 204.
„ ceratitoides (Quenst.) emend. Fucc. — Lias, Babbar, Bibl. 33, p. 119.
„ ceratitoides (Quenst.) emend. Fucc. — Lias, Rotti, Bibl. 33, p. 110, 119; 75, p. 97, pl. 14, fig. 2; 76, p. 78, pl. 6, fig. 2;

50, p. 187. See Arietites geometricus Oppel, Arietites (Arnioceras) geometricus Oppel.

Arnioceras ceratitoides (Quenst.) emend. Fucc. — Lias. Timor, Bibl. 33. p. 119; 51, p. 113. See Arnioceras cf. geometricum (Oppel) Krumb.

„ geometricum Oppel. — Lias Babbar, Bibl. 33, p. 110.

„ geometricum Oppel.[86]) — Lower Lias, Rotti, Bibl. 26, p. 17. See Arieticeras geometricum Oppel.

„ cfr. geometricum (Oppel) Krumb. — Lias, Timor, Bibl. 51, p. 113; 33, p. 110. See Arnioceras ceratitoides Quenst. emend. Fucc.

„ mendax Fucc. — Lias, Rotti, Bibl. 33, p. 119; 50, p. 188. See Arietites (Arnioceras) cfr. ceratitoides Quenst. = semicostatus (Y. et B.) Wright.

„ rotticus Rothpl. — Lower Lias, Rotti, Bibl. 50, p. 189, pl. 17, fig. 12; 75, p. 100, pl. 12, fig. 2, textfig. on p. 99; 76, p. 82, pl. 4, fig. 2, textfig. on p. 81. See Arietites (Arnioceras) rotticus Rothpl.

„ cf. semilaeve (v. Hauer) Wann. et Jaw. — Lower Lias, Celebes, Bibl. 102, p. 201, pl. 19, fig. 3.

„ subgeometricum Jaw. — Lias Babbar, Bibl. 33, p. 110.

„ Wichmanni Rothpl. — Lower Lias, Rotti, Bibl. 75, p. 100, pl. 12, fig. 5; 76, p. 83, pl. 4, fig. 5. See Arietites Wichmanni Rothpl., Echioceras (Euechioceras) Wichmanni Rothpl.

„ Wichmanni Rothpl. var. landuensis Krumb. — Lias Rotti, Bibl. 50, p. 192, pl. 17, fig. 8. See Arietites Wichmanni Rothpl. var. landuensis Krumb.

„ cfr. Wichmanni (Rothpl.) Krumb. — Lower Lias, Rotti, Bibl. 50, p. 190, pl. 17, fig. 9—11. See Arietites (Arnioceras) cfr. Wichmanni (Rothpl.) Krumb.

„ cfr. Wichmanni (Rothpl.) Krumb. — Lias Timor, Bibl. 51, p. 113. See Arietites cfr. Wichmanni (Rothpl.) Krumb., Echioceras (Euechioceras?) Wichmanni Rothpl.

Asteroceras sparsicostatum Wann. et Jaw. — Lower Lias, Jamdena, (Tenimber archipelago), Bibl. 102, p. 206, pl. 19, fig. 1.

Caloceras longicellus (Quenst.) Rothpl. — Lower Lias, Rotti, Bibl. 50, p. 193. See Arietites (Caloceras) longicellus (Quenst.) Krumb.

Coroniceras sp. aff. lyrae (Hyatt) Krumb. — Lower Lias, Rotti, Bibl. 50, p. 186, pl. 17, fig. 7. See Arietites (Coroniceras) sp. aff. lyrae (Hyatt) Krumb.

„ cf. rotator (Reyn.) Krumb. — Lower Lias, Rotti, Bibl. 50, p. 184, pl. 17, fig. 13. See Arietites (Coroniceras) cfr. rotator (Reyn.) Krumb.

Echioceras (Euechioceras) Wichmanni Rothpl. — Lower Lias, Rotti, Bibl. 102, p. 200. See Arnioceras Wichmanni Rothpl.

„ (Euechioceras)? Wichmanni Rothpl. — Lower Lias, Timor, Bibl. 102, p. 200. See Arnioceras cf. Wichmanni (Rothpl.) Krumb.

Echioceras (Euechioceras) Wichmanni Rothpl. — Lower Lias, Jamdena (Tenimber archipelago), Bibl. 102, p. 208, pl. 19, fig. 2.

Subfam. AEGOCERATINAE.

Schlotheimia sp. Rothpl. — Lower Lias, Rotti, Bibl. 75, p. 101; 76, p. 85.

„ sp. cfr. marmorea (Oppel) Krumb. — Lias, Rotti, Bibl. 50, p. 193; 75, p. 101; 76, p. 85. See Schlotheimia sp. Rothpl.

Aegoceras borneense P. G. Krause. — Lias, Borneo, Bibl. 44, p. 79, pl. 7, fig. 1—6.

„ (Deroceras) landui G. Boehm. — Lower Lias, Rotti, Bibl. 10, p. 326, pl. 11, fig. 5, textfig. 2; 98, p. 662.

„ subtaylori Krumb. — Lower-Middle Lias, Rotti, Bibl. 50, p. 195, pl. 7, fig. 5.

Deroceras aff. armato (Sow.) Krumb. — Lower Lias, Rotti, Bibl. 50, p. 196, pl. 17, fig. 16.

„ landui G. Boehm. — Lower Lias, Rotti, Bibl. 50, p. 195; 10, p. 326, pl. 11, fig. 5, textfig. 2. See Aegoceras (Deroceras) landui G. Boehm.

„ spec. nov.? aff. nodoblongo (Quenst.) Krumb. — Lias, Timor, Bibl. 51, p. 114, pl. 177, fig. 11.

Subfam. POLYMORPHINAE.

Liparoceras rotticum Krumb. — Lower Lias, Rotti, Bibl. 50, p. 198, pl. 14, fig. 8, pl. 18, fig. 1, 2.

„ cfr. striatum amalthei (Quenst.) Krumb. — Lower-Middle Lias, Rotti, Bibl. 50, p. 197, pl. 17, fig. 3.

Uptonia sp.? aff. Jamesoni (Sow.) Krumb. — Lias, Timor, Bibl. 51, p. 114, pl. 177, fig. 4.

Subfam. HAMMATOCERATINAE.

Hammatoceras sp. ind. cf. lotharingicum (Ben.) Jaw. — Upper Lias-Lower?Dogger, Taliabu, Bibl. 32, p. 199, pl. 1, fig. 5; 81, p. 104.

„ moluccanum Cloos. — Dogger Misol, Bibl. 19, p. 6.

„ moluccanum Cloos. — Lower Dogger Taliabu, Mangoli, Bibl. 47, p. 36, fig. 1—3; 19, p. 9; 84, p. 665. See Haugia sp. nov. G. Boehm.

„ moluccanum var. macromphala Cloos. — Dogger Misol, Bibl. 19, p. 6.

„ moluccanum var. macromphala Cloos. — Dogger Mangoli, Bibl. 19, p. 11.

„ moluccanum var. micromphala Cloos. — Dogger Misol, Bibl. 19, p. 8.

„ moluccanum var. micromphala Cloos. — Dogger Mangoli, Bibl. 19, p. 9.

„ sp. Rogg. — Dogger Soemba, Bibl. 73, p. 676, fig. 2; 74, p. 514, fig. 2.

Hammatoceras sp. Rothpl. — Lias-Dogger, Rotti, Bibl. 75, p. 102; 76, p. 86.
„ sp. Rothpl. — Lias-Dogger, Rotti, Bibl. 75, p. 102; 76, p. 85.
„ sp. div. G. Boehm.[88]) — Jurassic Misol, Bibl. 11, p. 208.
Tropidoceras sp. cfr. Masseanum (d.Orb.) Krumb. — Lower Lias, Rotti, Bibl. 50, p. 199, pl. 18, fig. 4.

FAM. AMALTHEIDAE.

Oxynoticeras sp. aff. numismali (Oppel) Krumb. — Middle Lias, Rotti, Bibl. 50, p. 201, pl. 15, fig. 6.
„ sp. cfr. oxynotum (Quenst.) Krumb. — Lower Lias, Rotti, Bibl. 50, p. 201, pl. 18, fig. 6.

FAM. HARPOCERATIDAE.

Subfam. HARPOCERATINAE.

Grammoceras Baumbergeri Kruiz. — Upper Lias ?, Taliabu, Bibl. 47, p. 39, pl. 1, fig. 1, textfig. p. 40.
„ Kiliani Kruiz. — Upper Lias ?, Taliabu, Bibl. 47, p. 38, pl. 1, fig. 2.
„ timorense Krumb. — Lias, Timor, Bibl. 51, p. 115, pl. 147, fig. 8.
Harpoceras aalense Ziet. — Upper Lias, Jefbie (Misol archipelago), Bibl. 79, p. 608, pl. 23, fig. 3, textfig. 1—3.
„ arietitiforme Kruiz. — Upper Lias, Taliabu, Bibl. 47, p. 40, pl. 1, fig. 3—5, textfig. p. 41.
„ cf. comense (v. Buch.) Soerg. — Lower Dogger, Jefbie (Misol archipelago), Bibl. 79, p. 620, pl. 24, fig. 2.
„ sp. (cf. costala Rein.) Soerg. — Lower Dogger, Fialpopo (Misol archipelago), Bibl. 79, p. 621.
„ cf. Eseri (Opp.) Rothpl. — Upper Lias, Bibl. 75, p. 101; 76, p. 85.
„ landui G. Boehm. — Upper Lias, Rotti, Bibl. 50, p. 292; 10, p. 328, pl. 12, fig. 1, textfig. 3; 84, p. 662.
„ cf. radians gigas (Quenst.) Soerg. — Upper Lias, Jefbie (Misol archipelago), Bibl. 79, p. 611.
„ sp. (ind. ex aff. radians Rein.) P. G. Krause. — Upper Lias, Borneo, Bibl. 40, p. 157, pl. 11, fig. 1—4; 38, p. 31, pl. 11, fig. 1—4; 62, p. 255; 39, p. 219; 61, p. 35.
„ cf. striatulum (Sow.) Soerg. — Lower Dogger, Fialpopo (Misol archipelago), Bibl. 79, p. 618, pl. 23, fig. 5, textfig. 10, 11.
„ toarcense d'Orb. — Upper Lias, Jefbie (Misol archipelago), Bibl. 79, p. 616, pl. 23, fig. 4, textfig. 8.
„ cf. toarcense (d'Orb.) Soerg. — Lower Dogger, Jefbie (Misol archipelago), Bibl. 79, p. 615, pl. 24, fig. 1.
„ cf. toarcense (d'Orb.) Soerg. — Lower Dogger, Fialpopo (Misol archipelago), Bibl. 79, p. 618, textfig. 9.

Harpoceras (Trimarginites) trimarginatum Wepf. (non Opp.) (Ammonites complanatus Ziet. et Quenst.) — Oxfordian, Buru, Bibl. 30, p. 139, textfig. 8.
„ cf. variabile d'Orb. var. dispansum (Lyc.) Soerg. — Upper Lias, Jefbie (Misol archipelago), Bibl. 79, p. 611, pl. 23, fig. 6, textfig. 3—7.
„ sp. G. Boehm — Lias Misol, Bibl. 11, p. 209.
„ sp. Kruiz. — Upper Lias ?, Mangoli, Bibl. 47, p. 42.
„ sp. (div. ind.) Soerg. — Lias?-Dogger, Jefbie (Misol archipelago), Bibl. 79, p. 620.

Haugia sp. nov. G. Boehm — Dogger, Mangoli, Bibl. 84, p. 665. See Hammatoceras moluccanum Cloos.

Hauerites rarestriatus v. Hauer var. timorensis Dien. — Upper Triassic, Timor, Bibl. 21, p. 200, pl. 12, fig. 8.

Hildoceras sp. G. Boehm. — Lias Misol, Bibl. 11, p. 209.
„ sp. Soerg. — Lower Dogger, Jefbie (Misol archipelago), Bibl. 79, p. 621.

Hudlestonia sp. cfr. serrodens (Quenst.) Krumb. — Upper Lias, Rotti, Bibl. 50, p. 203, pl. 18, fig. 5.

Subfam. OPPELINAE.

Oppelia flexuosa disca Quenst. — Oxfordian, Buru, Bibl. 30, p. 141, p. 11, fig. 8.
„ fusca Quenst. — Callovian, Taliabu, Bibl. 7, p. 143, pl. 33, fig. 3, 4, pl. 34, fig. 1—4, textfig. 57—63.
„ cf. fusca (Quenst.) Kruiz. — Callovian, Taliabu, Bibl. 47, p. 42.
„ cf. fusca (Quenst.) G. Boehm — Callovian, Taliabu, Bibl. 7, p. 147, pl. 33, fig. 5.
„ galoi G. Boehm — Oxfordian, Taliabu, Bibl. 7, p. 84, pl. 17, fig. 3, textfig. 29.
„ sp. G. Boehm. — ? Callovian, New Guinea, Bibl. 12, p. 9.
„ (Neumayria) sp. Krumb. — Oxfordian, Rotti, Bibl. 50, p. 204, pl. 18, fig. 7.

Streblites Nouhuysi G. Boehm. — Lower Cretaceous (Transition Jurassic-Cretaceous) Taliabu, Mangoli, Bibl. 47, p. 43; 7, p. 29, pl. 2, fig. 7, pl. 3, fig. 3, textfig. 5, 6.

FAM. STEPHANOCERATIDAE.

Ammonites sp. ind. G. Boehm. — Dogger, New Guinea, Bibl. 8, p. 409, textfig. on p. 409. See Coeloceras Moermanni Kruiz.

Astieria spec. (cf. Sayni Kil.) Baumb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 27, pl. 2, fig. 13, 14.
„ spec. indet. Baumb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 32.

Coeloceras indicum Kruis. — Upper Lias-?Dogger Taliabu, Bibl. 47, p. 46, pl. 14, fig. 1, textfig. p. 46.
„ Moermanni Kruiz.[89]). — Dogger, New Guinea, Bibl. 47, p. 45; 8, p. 409, textfig. on p. 409. See Ammonites sp. ind.

G. Boehm, ? Stephanoceras sp. Gerth.

Coeloceras Moermanni Kruiz. — Dogger, Taliabu, Bibl. 47, p. 44.

„ Moermanni Kruiz. — Dogger, Mangoli, Bibl. 47, p. 44, pl. 13, fig. 2, textfig. on p. 44.

„ Moermanni Kruiz. — Middle Dogger, Babbar, Bibl. 47, p. 45; 3, p. 330, pl. 12, fig. 3, textfig. 4. See Stephanoceras aff. Braikenridgii (Sow.) G. Boehm.

„ sp. Gür. — Lower Lias, Rotti, Bibl. 26, p. 17.

„ ? sp. ind. K. Mart. — Jurassic, New Guinea, Bibl. 65, p. 90, 101.

Dactylioceras aff. athletico (Simps.) Krumb. — Lias, Timor, Bibl. 51, p. 116, pl. 177, fig. 1.

„ aff. athletico (Simps.) Krumb. — Upper Lias, Rotti, Bibl. 50, p. 205, pl. 17, fig. 14, 15?, pl. 18, fig. 9.

„ aff. communi (Sow.) Krumb. — Upper Lias, Rotti, Bibl. 50, p. 206; 75, p. 102, pl. 14, fig. 1; 76, p. 87, pl. 6, fig. 1. See Stephanoceras (Coeloceras) aff. communi (Sow.) Rothpl.

„ Rothpletzi Krumb. — Upper Lias, Rotti, Bibl. 50, p. 206; 75, p. 102, pl. 14, fig. 3; 76, p. 86, pl. 6, fig. 3. See Stephanoceras (Coeloceras) aff. Hollandrei (d'Orb.) Rothpl.

„ rotticum Krumb. — Upper Lias, Rotti, Bibl. 50, p. 207, pl. 18, fig. 8.

„ sp. Soerg. — Lower Dogger, Fialpopo (Misol archipelago), Bibl. 79, p. 621.

Idoceras mihanum G. Boehm. — Callovian, Taliabu, Bibl. 47, p. 74; 7, p. 168, fig. 44, fig. 3, 4, textfig. 83.

„ Molengraaffi Kruiz. — Oxfordian, Taliabu, Bibl. 47, p. 75, pl. 10, fig. 1, 2, pl. 11, fig. 5, textfig. on p. 75.

Kossmatia indica Kruiz. — Lower Cretaceous (Transition Jurassic-Cretaceous), Taliabu, Bibl. 47, p. 64, pl. 11, fig. 1—4, textfig. on p. 95.

„ maxima Kruiz. — Lower Cretaceous (Transition Jurassic-Cretaceous), Taliabu, Bibl. 47, p. 66, pl. 12, fig. 1, 2, textfig. on p. 67, 68.

Macrocephalites alfuricus G. Boehm. — Oxfordian Taliabu, Mangoli, Bibl. 7, p. 94, pl. 23, fig. 2, textfig. 40. See Macrophalites cf. subcompressus (Waag.) Kruiz.

„ bambusa G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 95, pl. 25, fig. 1.

„ batavo-indicus G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 87, pl. 18, fig. 1, 2, pl. 19, fig. 1, 2, textfig. 31, 32.

„ Brouweri G. Boehm. — Callovian, Taliabu, Bibl. 47, p. 58, pl. 8, fig. 1—3; 7, p. 162, pl. 39, fig. 1, 2, textfig. 71. See Macrocephalites keeuwensis β var. bifurcata G. Boehm.

„ Brouweri Kruiz. — Lower Callovian, New Guinea, Bibl. 47, p. 58; 12, p. 14. See Macrocephalites keeuwensis β var. bifurcata G. Boehm.

Macrocephalites chrysoolithicus Waag. — Oxfordian, Mangoli, Bibl. 47, p. 55, pl. 4, fig. 1, 2, textfig. p. 55.

„ cocosi G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 93, pl. 23, fig. 1, textfig. 39.

„ keeuwensis (G. Boehm) Kruiz. — Callovian, Taliabu, Mangoli, Bibl. 47, p. 56; 7, p. 160, pl. 36, fig. 1—4, textfig. 69. See Macrocephalites keeuwensis α G. Boehm.

„ keeuwensis (G. Boehm) Kruiz. — Lower Callovian, New Guinea, Bibl. 12, p. 14, textfig. 4; 25, p. 225. See Macrocephalites keeuwensis α G. Boehm.

„ keeuwensis (G. Boehm) Kruiz.[40]). — Callovian Br., New Guinea, Bibl. 12, p. 20; 22, p. 175, pl. 29, fig. 5; 47, p. 56. See Stephanoceras sp. ind. ex aff. calloviensis (Sow.) Eth.

„ keeuwensis α G. Boehm. — Callovian Taliabu, Mangoli, Bibl. 7, p. 160, pl. 36, fig. 1—4, textfig. 69. See Macrocephalites keeuwensis (G. Boehm) Kruiz.

„ keeuwensis α G. Boehm. — Callovian, New Guinea, Bibl. 25, p. 225. See Macrocephalites keeuwensis (G. Boehm) Kruiz.

„ keeuwensis α-β G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 163, pl. 41, fig. 3.

„ keeuwensis α-γ G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 164, pl. 41, fig. 4, pl. 42, pl. 43, fig. 1, 2, textfig. 76.

„ keeuwensis α-γ G. Boehm. — Lower Callovian, New Guinea, Bibl. 12, p. 15, pl. 5, fig. 1.

„ keeuwensis β G. Boehm. — Lower Callovian, Taliabu, Bibl. 12, p. 161, pl. 37, fig. 1—3, pl. 38, textfig. 70.

„ keeuwensis β G. Boehm. — Lower Callovian, New Guinea, Bibl. 12, p. 14, pl. 3, fig. 3, 4, pl. 4, fig. 4, 5, textfig. 5; 25, p. 225.

„ keeuwensis β var. bifurcata G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 162, pl. 39, fig. 1, 2, textfig. 71. See Macrocephalites Brouweri Kruiz.

„ keeuwensis β var. bifurcata G. Boehm. — Lower Callovian, New Guinea, Bibl. 12, p. 14. See Macrocephalites Brouweri Kruiz.

„ keeuwensis β-γ G. Boehm. — Lower Callovian Taliabu, Mangoli, Bibl. 7, p. 164, pl. 37, fig. 4, pl. 41, fig. 5, textfig. 77, 78. See Macrocephalites Waageni Kruiz.

„ keeuwensis β-γ G. Boehm. — Lower Callovian, New Guinea, Bibl. 12, pl. 16, pl. 5, fig. 2, textfig. 8, 9. See Macrocephalites Waageni Kruiz.

„ keeuwensis β-γ G. Boehm. — Callovian, Br. New Guinea, Bibl. 12, p. 20; 22, p. 175, pl. 29, fig. 3. See Stephanoceras sp. ind. ex aff. lamellosi (Sow.) Eth., Macrocephalites Waageni Kruiz.

„ keeuwensis β-γ var. bifurcata G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 165.

Macrocephalites keeuwensis γ G. Boehm. — Lower Callovian, Taliabu, Bibl. 7, p. 162, pl. 39, fig. 3—6, pl. 40, pl. 41, fig. 1, textfig. 72, 73.

„ keeuwensis γ G. Boehm. — Lower Callovian, New Guinea, Bibl. 12, p. 14, pl. 4, fig. 1, 2, pl. 5, fig. 3, textfig. 6, 7; 25, p. 225.

„ keeuwensis γ var. bifurcata G Boehm. — Lower Callovian, Taliabu, Bibl. 7, p. 163, pl. 41, fig. 2, textfig. 74, 75.

„ keeuwensis γ var. bifurcata G. Boehm. — Lower Callovian, New Guinea, Bibl. 12, p. 15, pl. 4, fig. 3; 25, p. 225.

„ keeuwensis γ var. bifurcata G. Boehm [41]). — Callovian, Br. New Guinea, Bibl. 12, p. 20; 22, p. 175, pl. 29, fig. 1, (not 7). See Stephanoceras sp. ind. ex aff. lamellosi (Sow.) Eth.

„ keeuwensis δ G. Boehm. — Lower Callovian, Taliabu, Bibl. 7, p. 165, pl. 43, fig. 3, textfig. 79, 80.

„ keeuwensis δ G. Boehm. — Lower Callovian, New Guinea, Bibl. 12, p. 16.

„ keeuwensis δ var. bifurcata G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 166, pl. 43, fig. 4.

„ cfr. macrocephalus compressus (Quenst.) G. Boehm. — Upper Dogger, Rotti, Bibl. 50, p. 209; 10, p. 331, pl. 12, fig. 2, textfig. 5; 98, p. 663. See Macrocephalites cf. transiens (Waag.) Kruiz.

„ mantaranus G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 159, pl. 35, fig. 3, textfig. 68.

„ metroxyloni G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 86, pl. 17, fig. 4, textfig. 30.

„ palmarum G. Boehm. — Oxfordian Taliabu, Mangoli, Bibl. 7, p. 90, pl. 21, fig. 2, pl. 22, fig. 2—4, textfig. 35—37.

„ palmarum var. α G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 92, pl. 24, fig. 1, 2, ? pl. 22, fig. 1. See Macrocephalites cf. subcompressus (Waag.) Kruiz.

„ palmarum var. tenuicosta G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 92, pl. 23, fig. 3, textfig. 38.

„ rotangi G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 88, pl. 19, fig. 3, pl. 20, fig. 1, textfig. 33, 34.

„ cf. rotangi? G. Boehm. — Oxfordian, Obimajora, Bibl. 92, p. 568.

„ cf. subcompressus (Waag.) Kruiz. — Oxfordian, Taliabu, Mangoli, Bibl. 47, p. 59, pl. 8, fig. 4, textfig. on p. 60; 7, p. 92, pl. 22, fig. 1, pl. 24, fig. 1, 2; 7, p. 94, pl. 23, fig. 2, textfig. 40. See Macrocephalites palmarum var. α G. Boehm, Macrocephalites alfuricus G. Boehm.

„ cf. transiens (Waag.) Kruiz. — Dogger Taliabu, Mangoli, Bibl. 47, p. 53, pl. 3, fig. 3—5.

„ cf. transiens (Waag.) Kruiz. — Upper Dogger, Rotti. Bibl. 47, p. 53; 10, p. 331, pl. 12, fig. 2, textfig. 5;

50, p. 209; 84, p. 663. See Macrocephalites cfr. macrocephalus compressus (Quenst.) G. Boehm.

Macrocephalites sp. ind. cfr. tumidus (Rein.) Krumb. — Upper Dogger, Rotti, Bibl. 50, p. 208.

„ Waageni Kruiz. — Callovian Taliabu, Mangoli, Bibl. 47, p. 61, pl. 9, fig. 1, 2; 7, p. 164, pl. 37, fig. 4, pl. 41, fig. 5, textfig. 77, 78. See Macrocephalites keeuwensis β-γ G. Boehm.

„ Waageni Kruiz. — Lower Callovian, New Guinea, Bibl. 12, p. 16, pl. 5, fig. 2, textfig. 8, 9. See Macrocephalites keeuwensis β-γ G. Boehm.

„ Waageni Kruiz. — Lower Callovian, Br. New Guinea, Bibl. 47, p. 61; 12, p. 20; 22, p. 175, pl. 29, fig. 3. See Stephanoceras sp. ind. ex aff. lamellosi (Sow.) Eth., Macrocephalites keeuwensis β-γ G. Boehm.

„ spec. div. ind. G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 166, pl. 44, fig. 1, textfig. 81, 82.

„ sp. ind. Kruiz. — Oxfordian, Mangoli, Bibl. 47, p. 63, pl. 7, fig. 2.

„ ? sp. ind. K. Mart. — Jurassic, New Guinea, Bibl. 65, p. 95, 101.

Perisphinctes Boehmi Kruiz. — Oxfordian Taliabu, Mangoli, Bibl. 47, p. 72, pl. 10, fig. 3, 4, textfig. on p. 73.

„ burui G. Boehm. — Oxfordian Taliabu, Mangoli, Bibl. 47, p. 69; 7, p. 97, pl. 25, fig. 2, pl. 26, fig. 1, 2, textfig. 41, 42; 7, p. 99, pl. 25, fig. 3, pl. 27, fig. 1—4, textfig. 43, 44; 7, p. 167, pl. 44, fig. 2. See Perisphinctes galoi G. Boehm, Perisphinctes taliabuticus G. Boehm.

„ burui G. Boehm. — Oxfordian, Buru, Bibl. 30, p. 142, pl. 11, fig. 3—5, textfig. 9—16; 10, p. 334, pl. 13, fig. 2, textfig. 7. See Perisphinctes galoi G. Boehm, Perisphinctes taliabuticus G. Boehm.

„ aff. burui G. Boehm. — Oxfordian, Buru, Bibl. 10, p. 336, textfig. 8.

„ galoi G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 97, pl. 25, fig. 2, pl. 26, fig. 1, 2, textfig. 41, 42; 7, p. 167, pl. 44, fig. 2. See Perisphinctes burui G. Boehm.

„ indonesianus G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 103, pl. 28, fig. 2, textfig. 50.

„ Martini Bull. Newt.[42]). — Dopper?-Upper Jurassic?, Borneo, Bibl. 69, p. 408; 60, p. 31; 86, p. 129; 39, p. 218; 85, p. 3; 59, p. 93. See Perisphinctes sp. ind. K. Mart.

„ moluccanus G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 101, pl. 24, fig. 3, 4, textfig. 47. See Perisphinctes sularum G. Boehm.

„ sularum G. Boehm. — Oxfordian Taliabu, Mangoli, Bibl. 47, p. 70; 7, p. 100, pl. 27, fig. 2, 3, textfig. 45, 46; 7, p. 101, pl. 24, fig. 3—5, textfig. 47. See Perisphinctes moluccanus G. Boehm.

Perisphinctes taliabuticus G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 99, pl. 25, fig. 3, pl. 27, fig. 1—4, textfig. 43, 44. See Perisphinctes burui G. Boehm.

„ ternatanus G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 102, pl. 27, fig. 5, pl. 28, fig. 1, textfig. 48.

„ timorensis G. Boehm. — Middle Malm, Timor, Bibl. 10, p. 332, pl. 12, fig. 5, 6, textfig. 6.

„ aff. Wartae (Buk.) G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 96, pl. 28, fig. 3.

„ sp. ind. G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 103, pl. 29, fig. 1, textfig. 49.

„ sp. Humm. — Oxfordian, Buru, Bibl. 30, p. 154, pl. 11, fig. 6, 7, textfig. 17.

„ sp. Krumb. — Malm? Rotti, Bibl. 50, p. 209.

„ sp. ind. K. Mart. — Jurassic (Oxfordian ?) Buru, Bibl. 64, p. 260.

„ sp. ind. K. Mart. — Dogger?-Upper? Jurassic, Borneo, Bibl. 60, p. 31; 69, p. 408; 86, p. 129; 39, p. 218; 85, p. 3; 59, p. 93. See Perisphinctes Martini Bull. Newt.

„ sp. Rothpl. — Dogger, Rotti, Bibl. 75, p. 104, pl. 14, fig. 4; 76, p. 89, pl. 6, fig. 4.

„ sp. ind. ex aff. promiscui? (Buk.) G. Boehm. — Jurassic Demu near Misol, Bibl. 99, p. 113; 17, p. 13; 11, p. 203.

Quenstedticeras? sp. ind. K. Mart. — Jurassic, New Guinea, Bibl. 65, p. 97, 101.

Sphaeroceras cf. bullatum (d'Orb.) Gerth. Callovian, New Guinea, Bibl. 25, p. 226.

„ cf. Gervillei (Sow.) G. Boehm [43]). — Dogger, Mangoli, Bibl. 84, p. 665.

„ godohense G. Boehm. — Lower Callovian, New Guinea, Bibl. 12, p. 10.

„ godohense G. Boehm. — Callovian, Taliabu, Bibl. 47, p. 52, pl. 12, fig. 4, pl. 14, fig. 3, 4, textfig. on p. 153; 7, p. 151, pl. 35, fig. 1, textfig. 67.

„ Nouhuysi G. Boehm. — Callovian, New Guinea, Bibl. 7, p. 188. See Sphaeroceras cf. submicrostoma (Gottsche) G. Boehm.

„ sophanum G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 150, pl. 35, fig. 2, textfig. 66.

„ submicrostoma Gottsche. — Dogger, Taliabu, Mangoli Bibl. 47, p. 50.

„ cf. submicrostoma (Gottsche) G. Boehm. — Dogger, New Guinea, Bibl .12, p. 11, pl. 2, fig. 3, 4; 7, p. 118. See Sphaeroceras Nouhuysi G. Boehm.

„ Wichmanni G. Boehm. — Callovian, New Guinea, Bibl. 7, p. 118. See Macrocephalites keeuwensis γ G. Boehm.

„ sp. Krumb. — Dogger, Timor, Bibl. 51, p. 117, pl. 177, fig. 14.

Sphaeroceras sp. Soerg. — Lower Dogger, Fialpopo (Misol archipelago), Bibl. 79, p. 621.

Stephanoceras sp. ind. ex aff. Blagdeni (Sow.) Eth. — Dogger (Bajocian?), Br. New Guinea, Bibl. 22, p. 175, pl. 29, fig. 2. See Stephanoceras Ethridgei Gerth.

„ aff. Braikenridgii (Sow.) Boehm. — M. Dogger, Babbar, Bibl. 10, p. 330, pl. 12, fig. 3, textfig. 4; 84, p. 662. See Coeloceras Moermanni Kruiz.

„ (Coeloceras) cf. Braunianum (d'Orb.) Rothpl. — Lias, Rotti, Bibl. 75, p 103; 76, p. 87.

„ sp. ind. ex aff. calloviensis (Sow.) Eth. — Callovian, Br. New Guinea, Bibl. 22, p. 175, pl. 29, fig. 5. See Macrophalites keeuwensis (G. Boehm) Kruiz.

„ (Coeloceras) aff. commune (Sow.) Rothpl. — Lias, Rotti, Bibl. 75, p. 102, pl. 14, fig. 1; 76, p. 87, pl. 6, fig. 1. See Dactylioceras aff. communi (Sow.) Rothpl.

„ Daubenyi Gemm. — Lower Callovian, New Guinea, Bibl. 12, p. 9, pl. 3, fig. 1; 7, p. 119. See Stephanoceras Lorentzi G. Boehm.

„ Daubenyi Gemm. — Callovian, Taliabu, Bibl. 7, p. 148, pl. 34, fig. 5, textfig. 64, 65.

„ Etheridgei Gerth. [44]) — Dogger (Bajocian), New Guinea, Bibl. 25, p. 226, pl. 36, fig. 1; 22, p. 175, pl. 29, fig. 2. See Stephanoceras aff. Blagdeni (Sow.) Eth.

„ (Coeloceras) aff. Hollandrei d'Orb. (Rothpl.) — Upper Lias, Rotti, Bibl. 75, p. 102, pl. 14, fig. 3; 76, p. 86, pl. 6, fig. 3. See Dactylioceras Rothpletzi Krumb.

„ Humphriesi Sow. — Dogger, Obimajora, Bibl. 92, p. 568.

„ cf. Humphriesi (Sow.) G. Boehm. — Dogger (Callovian), Rotti, Bibl. 10, p. 329; 84, p. 663.

„ cf. Humphriesi Sow. G. Boehm. — Dogger, Taliabu, Mangoli, Bibl. 84, p. 664, 665.

„ aff. Humphriesi crassicosta (Quenst.) G. Boehm. — Dogger, New Guinea, Bibl 12, p. 9, pl. 3, fig. 2, textfig. 3.

„ Humphriesianum Sow. forma indica Kruiz. — Dogger Taliabu, Bibl. 47, p. 48, pl. 13, fig. 1, pl. 7, fig. 3.

„ sp. cf. Humphriesianum Sow. forma indica Kruiz. — Dogger, Taliabu, Bibl. 47, p. 49, pl. 6, fig. 1, 2, pl. 12, fig. 3, textfig. p. 49.

„ sp. ind. ex aff. lamellosi (Sow.) Eth. Callovian Br., New Guinea, Bibl .22, p. 175, pl. 29, fig. 1. See Macrocephalites keeuwensis γ var. bifurcata G. Boehm.

„ sp. ind. ex aff. lamellosi (Sow.) Eth. [46]) — Callovian Br., New. Guinea, Bibl. 22, p. 175, pl. 29, fig. 3; 12, p. 20. See Macrocephalites keeuwensis β-γ G. Boehm.

„ Lorentzi G. Boehm. — Callovian New Guinea, Bibl. 7, p. 119. See Stephanoceras Daubenyi Gemm.

„ pseudoblagdeni Cloos — Dogger Taliabu, Bibl. 19, p. 21, 24.

Stephanoceras pseudohumphriesi Cloos. — Dogger Taliabu, Bibl. 19, p. 21.
„ (Coeloceras) sp. Rothpl. — Lias, Lotti, Bibl. 75, p. 102; 76, p. 87.
„ (Normannites?) sp. ind. Kruiz. — Dogger, New Guinea, Bibl. 47, p. 47; 12, p. 10, pl. 5, fig. 4. See Stephanoceras sp. ind. I. G. Boehm.
„ (Normannites?) sp. ind. Kruiz. — Dogger, Taliabu, Bibl. 47, p. 47. See Stephanoceras sp. ind. I. Boehm.
„ sp. Gerth. — Dogger Bajocian?), New Guinea, Bibl. 25, p. 227, pl. 36, fig. 2.
„ sp. ind. I G. Boehm. — Dogger, New Guinea, Bibl. 12, p. 10, pl. 5, fig. 4. See Stephanoceras (Normannites?) sp. ind. Kruiz.
„ sp. ind. II G. Boehm. — Dogger, New Guinea, Bibl. 12, p. 10.
„ sp. ind. III G. Boehm. — Dogger, New Guinea, Bibl. 12, p. 10.

FAM. ASPIDOCERATIDAE.

Aspidoceras sp. ind. Humm. — Oxfordian, Buru, Bibl. 30, p. 156.
Peltoceras arduennense d'Orb. — Oxfordian, Taliabu, Bibl. 7, p. 104, pl. 30, fig. 1, 2. See Peltoceras arduennense d'Orb. var. indica Kruiz.
„ arduennense d'Orb. var. indica Kruiz. — Oxfordian, Taliabu, Mangoli, Bibl. 47, p. 77; 7, p. 104, pl. 30, fig. 1, 2. See Peltoceras arduennense d'Orb.
„ aff. arduennense (d'Orb.) G. Boehm. — Oxfordian, Taliabu, Mangoli, Bibl. 7, p. 105, pl. 31, fig. 1, textfig. 51.
„ tjapalului G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 106, pl. 31, fig. 2, ? 3, textfig. 52, 53.
„ spec. div.? cf. tjapalului G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 108, pl. 29, fig. 2, 3, textfig. 54.
„ sp. ind. Gerth. — Oxfordian, New Guinea, Bibl. 25, p. 227.
„ sp. ind. G. Boehm. — Oxfordian, Taliabu, Mangoli, Bibl. 7, p. 109, pl. 31, fig. 4.

FAM. DESMOCERATIDAE.

Pachydiscus papuanus J. Böhm. — Senonian Misol, Bibl. 13, p. 86, pl. 207.

FAM. COSMOCERATIDAE.

Acanthoceras sp. ind. Mart. — See Ammonites (Acanthoceras Neum.) sp. ind. Mart.
Ammonites (Acanthoceras Neum.) sp. ind. Mart.[47]) — Cretaceous, Borneo, Bibl. 58, p. 195, pl. 21, fig. 3; 57, p. 70, pl. 21, fig. 3.
Himalayites Nederburghi G. Boehm. — Lower Cretaceous (Transition Jurassic-Cretaceous), Taliabu, Bibl. 7, p. 41, pl. 7, fig. 3, textfig. 3.

Hamalayites Treubi G. Boehm. — Lower Cretaceous (Transition Jurassic-Cretaceous), Sula Islands, Bibl. 7, p. 39, pl. 7, fig. 2, textfig. 14.

Hoplites Asseni G. Boehm. — Lower Cretaceous (Transition Jurassic-Cretaceous), Sula Islands, Bibl. 7, p. 38, pl. 3, fig. 6, pl. 5, fig. 2, textfig. 13.

„ Rooseboomi G. Boehm. — Lower Cretaceous (Transition Jurassic-Cretaceous), Sula Islands, Bibl. 7, p. 34, pl. 5, fig. 3, pl. 6, textfig. 10, 11.

„ (Blanfordia) Wallichi Gray. — Lower Cretaceous (Transition Jurassic-Cretaceous), Taliabu, Mangoli, Bibl. 47, p. 79; 7, p. 31, pl. 3, fig. 4, pl. 4, fig. 1—5, pl. 5, fig. 1, textfig. 7—9; 84, p. 665.

„ sp. ind. G. Boehm. — Lower Cretaceous (Transition Jurassic-Cretaceous), Taliabu, Bibl. 84, p. 665.

„ sp. ind. G. Boehm. — Lower Cretaceous (Transition Jurassic-Cretaceous), Sula Islands, Bibl. 7, p. 36, pl. 3, fig. 5, pl. 5, fig. 4, pl 7, fig. 1, textfig. 12.

„ spec. Gerth. — Lower Cretaceous, Sumatra, Bibl. 68, p. 271.

Hoplitides? spec. Baumb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 27, textfig. 4.

Neocomites spec (cf. montanus Uhl.)Baumb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 24, pl. 2, fig. 9—11.

„ neocomiensis d'Orb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 21, pl. 1, fig. 1—3, 5, 6, 8, pl. 2, fig. 1—8; 2, p. 581.

„ spec. (cfr. neocomiensis d'Orb.) Baumb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 24, pl. 1, fig. 4, pl. 2, fig. 17.

„ platycostatus Sayn. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 23, pl. 3, fig. 1, 2; 2, p. 581. See Neocomites pseudopexiptychus Baumb.

„ pseudopexiptychus Baumb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 23, pl. 3, fig. 1, 2; 2, p. 581. See Neocomites platycostatus Sayn.

„ Teschenensis Uhl. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 23, pl. 1, fig. 7, 9, pl. 3, fig. 8.

„ spec. indet. Baumb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 32, pl. 2, fig. 19, 20.

„ spec. Baumb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 25, pl. 3, fig. 12.

Scaphites sp. ind. Mart. — Cretaceous, Borneo, Bibl. 58, p. 194, pl. 21, fig. 4; 57, p. 71, pl. 21, fig. 4.

Thurmannites pertransiens Sayn. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 25, pl. 3, fig. 6, 7.

„ cfr. pertransiens var. Loryi (Sayn) Baumb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 26, pl. 2, fig. 18, pl. 3, fig. 4.

„ (Kilianella) spec. div.? Baumb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 26, pl. 3, fig. 3—11.

Thurmannites spec. Baumb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 26, pl. 3, fig. 9.
„ spec. indet. Baumb. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 32.

FAM. PULCHELLIIDAE.

Knemoceras pinax P. G. Kraus. — Cretaceous, Borneo, Bibl. 43, p. 10, pl. 1, fig. 1—3, pl. 2, fig. 1—8.
Tissotia cf. Weteringi G. Boehm. — Upper Triassic, Buru, Bibl. 84, p. 665. See Neotibetites Weteringi G. Boehm emend. Krumb.
„ Weteringi G. Boehm [15]). — Upper Triassic, Buru, Bibl. 9, p. 400. See Neotibetites Weteringi G. Boehm emend. Krumb.
„ cf. Weteringi (G. Boehm) Kossm. — Upper Triassic, Buru, Bibl. 37, p. 687. See Neotibetites Weteringi G. Boehm emend. Krumb.

FAM. PRIONOTROPIDAE.

Oosterella cfr. Gaudryi Nickl. — Lower Cretaceous (Valanginian), Sumatra, Bibl. 3, p. 26, pl. 2, fig. 16.
Schloenbachia sp.? Kossm. — Upper Triassic (Lower Norian), Buru, Bibl. 37, p. 690. See ?Sagenites sp. ind. Krumb.
„ sp. ind. P. G. Krause. — Cretaceous, Borneo, Bibl. 47, p. 22, pl. 2, fig. 9.
„ ? sp. P. G. Krause. — Cretaceous, Borneo, Bibl. 43, p. 24.

AMMONITES INCERTAE SEDIS.

Ammonites sp. Gerth? — Lower Cretaceous, Borneo, Bibl. 45, p. 73.
„ sp. div. P. G. Krause. — Cretaceous, W. Borneo, Bibl. 43, p. 26.
„ sp. P. G. Krause. — Cretaceous, Bibl. 43, p. 24, pl. 2, fig. 10—11.
„ sp. P. G. Krause. — Lower Cretaceous, Borneo, Bibl. 41, p. 184, fig. 3; 42, p. 16. See? Lytoceras sp. ind. ex aff. articulati (Sow.) P. G. Krause.
„ sp. ind. Mart. — Jurassic, Borneo, Bibl. 60, p. 30; 63, p. 93.
„ sp. ind. Mart. — Jurassic, Borneo, Bibl. 60, p. 29; 63, p. 92.
„ sp. Mart. — Jurassic, Ceram, Bibl. 64, p. 861.
„ sp. ind. Wann. — ? Triassic, Ceram, Bibl. 87, p. 170.
„ sp. Zwierz. — Triassic, Sumatra, Bibl. 100, p. 30.
„ sp. div.? Zwierz [48]). — Upper Triassic, Buton, Bibl. 101, p. 15. See Clionites sp. div. Zwierz.
Aptychus laevis H. v. Mey. — Jurassic? Buru, Bibl. 64, p. 140, 258, pl. 12, fig. 3; 63, p. 9.
„ lamellosus Park. — Oxfordian, Buru, Bibl. 30, p. 142.
„ sp. ind. K. Mart. — Upper Jurassic, Buru, Bibl. 60, p. 29; 59, p. 92. Probably Aptychus laevis H. v. Mey, see there.
„ sp. K. Mart. — Upper Lias, Borneo, Bibl. 62, p. 255; 61, p. 35.
„ sp. Wann. — Malm Manjaganán batano, Misol archipelago, Bibl. 88, p. 486.

Class CEPHALOPODA.

Sub-Class DIBRANCHIA.

Order DECAPODA.

Sub-Order BELEMNOIDEA.

FAM. AULACOCERATIDAE.

Asteroconites savuticus G. Boehm. — Upper Triassic (Karnian), Savu, Bibl. 87, p. 213, pl. 11, fig. 4, pl. 12, fig. 2; 84, p. 667. See Aulacoceras sulcatum v. Hauer var. timorensis Wann.

Atractites acutus v. Bül. — Middle and Upper Triassic (Ladinian, Karnian-Norian), Timor, Bibl. 18, p. 66, pl. 60, fig. 8.

„ claviger v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 67, pl. 110, fig. 60, textfig. 23, 24.

„ cf. crassirostris (v. Hauer) v. Bül. — Middle Triassic (Ladinian), Timor, Bibl. 18, p. 61.

„ gracilis v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 62, pl. 60, fig. 9, pl. 61, fig. 1.

„ gracilis var. antiqua v. Bül. — Middle Triassic (Ladinian), Timor, Bibl. 18, p. 62, pl. 61, fig. 7.

„ lanceolatus v. Bül. — Middle and Upper Triassic (Ladinian, Karnian-Norian), Timor, Bibl. 18, p. 63, pl. 61, fig. 2, 3, pl. 62, fig. 6.

„ parvus v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 63, pl. 61, fig. 8.

„ punctatus v. Bül. — Middle and Upper Triassic(Ladinian, Karnian-Norian), Timor, Bibl. 18, p. 60, pl. 61, fig. 5, 6, pl. 62, fig. 5.

„ cf. pusillus (v. Hauer) v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 66.

„ sundaicus v. Bül. — Middle Triassic (Ladinian), Timor, Bibl. 18, p. 64, pl. 60, fig. 7.

„ tenuirostris v. Hauer. — Upper Triassic (Karnian-Norian, Timor, Bibl. 18, p. 61.

„ sp. ind. 1 v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 68, pl. 61, fig. 4.

„ sp. ind. 2 v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 68, pl. 60, fig. 6.

„ sp. ind. 3 v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 69.

sp? Tobler. — See Belemnites sp. (Atractites? sp.) Tobler.

„ sp. Wann. — Not Upper Triassic, Callovian, Ceram, Bibl. 87, p. 216, pl. 11, fig. 5, pl. 12, fig. 3. See Hibolites ingens Stoll.

Aulacoceras striatum Kuta. — Upper Triassic, Timor, Bibl. 53, p. 55, pl. 1, fig. 3.

„ sulcatum v. Hauer var. elliptica v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 39, pl. 58, fig. 7, textfig. 19.

Aulacoceras sulcatum v. Hauer var. minor v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 39, pl. 57, fig. 5.

„ sulcatum v. Hauer var. timorensis Wann. — Upper Triassic (Karnian), Timor, Bibl. 18, p. 38, pl. 57, fig. 1—4, pl. 58, fig. 1—6, pl. 59, fig. 1, textfig. 18; 91, p. 192, pl. 6, fig. 4, 5, textfig. 6, 7. See Aulacoceras timorense Wann.

„ sulcatum v. Hauer var. timorensis Wann. — Upper Triassic (Karnian), Savu, Bibl. 87, p. 213, pl. 11, fig. 4, pl. 12, fig. 2; 84, p. 667. See Asteroconites savuticus G. Boehm.

„ timorense Wann. — Upper Triassic (Karnian), Timor, Bibl. 91, p. 192, pl. 6, fig. 4, 5, textfig. 6, 7. See Aulacoceras sulcatum v. Hauer var. timorensis Wann.

Dictyoconites baculiformis Gemm. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 53, pl. 60, fig. 1.

„ elegans v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 52, pl. 60, fig. 3.

„ cf. Haueri (v. Mojs.) v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 46, pl. 59, fig. 9, pl. 62, fig. 3.

„ multisulcatus v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 47, pl. 59, fig. 2—4, pl. 62, fig 2.

„ multisulcatus var. crassa v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 48, pl. 59, fig. 5, 6, pl. 62, fig. 4, textfig. 21.

„ ovalis v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 49, pl. 59, fig. 7, 8, pl. 60, fig. 2.

„ planus v. Bül. — Upper Triassic (Karnian-Norian), Timor, Bibl. 18, p. 50, pl. 60, fig. 4, 5.

Phragmocones No. 1—19, v. Bül. — Middle-Upper Triassic, Timor, Bibl. 18, p. 69.

FAM. HASTATIDAE.

Belemnites alfuricus G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 56, pl. 8, fig. 4, 5, 7, 11, p. 72, pl. 10, fig. 7, 8. See Belemnopsis alfurica G. Boehm, Belemnopsis taliabutica G. Boehm.

„ alfuricus G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 136; 81, p. 173, is not Belemnopsis alfurica G. Boehm.

„ alfuricus G. Boehm. — Oxfordian, Buton, Bibl. 101, p. 99. Preliminary determination.

„ alfuricus G. Boehm. — Oxfordian, Rotti, Bibl. 84, p. 663; 7, p. 54, textfig. 16, 17. See Belemnopsis alfurica G. Boehm.

„ cf. alfuricus G. Boehm. — Oxfordian, Taliabu. Bibl. 7, p. 57, pl. 8, fig. 6. See Belemnopsis alfurica G. Boehm.

„ cf. canaliculatus (v. Schloth.) Rothpl. — Oxfordian, Rotti, Bibl. 75, p. 106, pl. 13, fig. 4; 76, p. 93, pl. 5, fig. 4; 81, p. 156; 84, p. 663.

„ dicoelus Rothpl.— Upper Dogger, Rotti, Bibl. 75, p. 105, pl. 13, fig. 9, 14, 15; 76, p. 92, pl. 5, fig. 9, 14, 15; 84, p. 663. See Prodicoelites dicoelus Rothpl. Prodicoelites applanatus Stoll., Prodicoelites lenisculcatus? Stoll.

Belemnites galoi G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 72, pl. 10, fig. 5, 6; 84, p. 664. See Belemnopsis taliabutica G. Boehm.

„ galoi G. Boehm. — Not Callovian, Taliabu, Bibl. 7, p. 136. See Belemnopsis taliabutica G. Boehm.

„ cf. galoi G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 72, pl. 11, fig. 4. See Belemnopsis galoi G. Boehm.

„ Gerardi Oppel. — Oxfordian, Rotti, Bibl. 75, p. 104, pl. 13, fig. 6—8, 10, 12; 76, p. 90, pl. 5, fig. 6—8, 10, 12; 84, p. 663. See Belemnopsis Gerardi Oppel, Belemnopsis Rumphii Kruiz.

„ Gerardi? Oppel. — Malm, Rotti, Bibl. 26, p. 17. See Belemnopsis Gerardi? Oppel.

„ Gerardi Oppel. — Oxfordian, Buton, Bibl. 101, p. 99. Determination is preleminary.

„ Gerardi Oppel. — Oxfordian, New Guinea, Bibl. 15, p. 8, pl. 2, fig. 9. See Belemnopsis Gerardi Oppel.

„ aff. Gerardi Oppel. — Oxfordian, Rotti, Bibl. 84, p. 663. See Belemnopsis aff. Gerardi Oppel.

„ lagoicus G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 57, pl. 8, fig. 12, 13. See Hibolites lagoicus G. Boehm.

„ aff. lagoico G. Boehm. — Lower Oxfordian, Taliabu, Bibl. 7, p. 58, pl. 8, fig. 17. 18, 19. See Hibolites cf. G. Boehmi Stoll.

„ aff. lagoico G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 136. See Hibolites cf. Boehmi Stoll.

„ cf. lagoicus G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 57, pl. 8, fig. 14—16. See Hibolites Windhouweri (G. Boehm).

„ moluccanus G. Boehm. — Oxfordian Taliabu, Bibl. 7, p. 73, pl. 11, fig. 12; 84, p. 664. See Belemnopsis G. Boehm.

„ subblainvillei Desl. [50]). — Upper? Dogger, Fialpopo (Misol-archipelago), Bibl. 79, p. 622, pl. 24, fig. 6—8. See Belemnopsis persulcata Stoll.

„ subblainvillei Desl. — Upper? Dogger, Jefbie (Misol-archipelago), Bibl. 79, p. 621, pl. 24, fig. 4, 5; 80, p. 100. See Belemnopsis persulcata Stoll., Belemnopsis parva Stoll., cf. Prodicoelites lenisulcatus Stoll.

„ subblainvillei Desl. — Upper? Dogger, Misol, Bibl. 80, p. 99; 81, p. 142, pl. 248, fig. 9. See Belemnopsis parva Stoll.

„ sularum G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 73, pl. 11, fig. 9—11; 84, p. 664. See Belemnopsis sularum G. Boehm, Belemnopsis taliabutica G. Boehm.

„ sularum G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 136. See Belemnopsis sularum G. Boehm.

„ taliabuticus G. Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 73, pl. 11, fig. 5—8; 84, p. 664. See Belemnopsis taliabutica G. Boehm.

„ cf. taliabuticus (G. Boehm) Wann. — Upper Oxfordian, Buru, Bibl. 93, p. 102. See Belemnopsis cf. alfurica (G. Boehm) Stoll.

Belemnites sp. G. Boehm. Phragmacones. — Callovian, Taliabu, Bibl. 7, p. 135.

„ sp. G. Boehm. Phragmacones. — Oxfordian, Taliabu, Bibl. 7, p. 71, pl. 10, fig. 9.

„ sp. indet. G.Boehm. — Oxfordian, Taliabu, Bibl. 7, p. 74, pl. 10, fig. 3, 4, pl. 11, fig. 3.

„ spec. indet. Jaw. — Lowest Dogger, Taliabu, Bibl. 41, p. 202.

„ sp. ind. (div.?) Jaw. — Dogger, Taliabu, Bibl. 32, p. 202.

„ sp. Kruiz. — Oxfordian, Taliabu, Bibl. 46, p. 181, pl. 8, fig. 3.

„ sp. Kruiz. — Oxfordian?, Taliabu, Bibl. 46, p. 192, pl. 6, fig. 5.

„ sp. Kruiz. (phragmocone) [52]). — Callovian, Taliabu, Bibl. 46, p. 171.

„ sp. Rumph. [53]) — Jurassic (Oxfordian?) Taliabu, Bibl. 77, 3d part. p. 257, pl. 50, fig. 1—5.

„ sp. (phragmocone) Kruiz. — Oxfordian, Mangoli, Bibl. 46, p. 171.

„ sp. ind. G. Boehm [51]). — Oxfordian?, Rotti, Bibl. 84, p. 663.

„ n. sp. Rothpl. — Oxfordian, Rotti, Bibl. 75, p. 106, pl. 13, fig. 5; 76, p. 93, pl. 5, fig. 5; 98, p. 663. See Prodicoelites Rothpletzi Stoll.

„ sp. G. Boehm. — Jurassic, Misol, Bibl. 11, p. 203, 208; 99, p. 112.

„ sp. Versl. — Jurassic (Oxfordian?) Demu near Misol, Bibl. 99, p. 112; 17, p. 13; 6, p. 77.

„ sp. Kruiz. — Jurassic (Oxfordian?), Buru, Bibl. 46, p. 182, pl. 4, fig. 5, pl. 6, fig. 2.

„ sp. ind. K. Mart. — Jurassic (Oxfordian?), Buru, Bibl. 64, p. 259.

„ sp. Kruiz. — Jurassic (Oxfordian?), Mitak (Tenimber archipelago), Bibl. 46, p. 182.

„ sp. G. Boehm. — Callovian, New Guinea, Bibl. 12, p. 5, pl. 1, fig. 2.

„ sp. G. Boehm. — Upper Dogger-Malm, New Guinea, Bibl. 7, p. 5, pl. 1, fig. 2.

„ sp. ind. div.? K. Mart. — Upper? Jurassic, New Guinea, Bibl. 65, p. 87, 93, 95, 101.

„ sp. (Atractites? sp.) Tobl. — Mesozoic (Triassic or Liassic), Sumatra, Bibl. 83, p. 75, 262, 538; 82, p. 8.

Belemnopsis alfurica G. Boehm. — Oxfordian Taliabu, Bibl. 81, p. 172; 7, p. 56, pl. 8, fig. 4—6, 8—11; 46, p. 166, pl. 2, fig. 3, ?6—9 (young specimens).

„ alfurica G. Boehm. — Oxfordian, Mangoli, Bibl. 81, p. 172; 46, p. 166, pl. 2, fig. 1, 2.

„ alfurica G. Boehm. [54]) — Oxfordian, Rotti, Bibl. 84, p. 663; 7, p. 54, textfig. 16, 17. See Belemnites alfuricus G. Boehm.

„ alfurica G. Boehm. — Oxfordian, Buton, Bibl. 101, p. 99. Preleminary determination. See Belemnites alfuricus G. Boehm.

Belemnopsis cf. alfurica (G. Boehm) Stoll. — Lower Oxfordian, Buru, Bibl. 81, p. 106; 93, p. 102. See Belemnites cf. taliabuticus (G. Boehm) Wann.

„ cf. alfurica (G. Boehm) Stoll. — Lower Oxfordian, Ceram, Bibl. 81, p. 107, 173.

„ aucklandica v. Hauer. — Middle Malm, Jamdena (Tenimber archipelago), Bibl. 81, p. 168, pl. 250, fig. 12—15, pl. 251, fig. 1—3.

„ aucklandica v. Hauer. — Middle Malm, Timor, Bibl. 81, p. 168, pl. 251, fig. 4, 5.

„ aucklandica v. Hauer. — Middle Malm, Rotti, Bibl. 81, p. 168, pl. 251, fig. 6.

„ cf. aucklandica (v. Hauer) Kruiz. — Callovian, Taliabu, Bibl. 46, p. 172, pl. 4, fig. 1—4; 81, p. 168. See Belemnopsis Kruizingae Stoll.

„ cf. aucklandica (v. Hauer) Stoll. — Oxfordian?, Celebes, Bibl. 81, p. 170.

„ galoi G. Boehm. — Oxfordian, Taliabu, Bibl. 81, p. 159; 7, p. 72, pl. 11, fig. 4; ? 84, p. 664. See Belemmites cf. galoi G. Boehm.

„ Gerardi Oppel. — Upper Oxfordian, Timor, Bibl. 81, p. 151, pl. 248, fig. 30—32.

„ Gerardi Oppel.[55]) — Upper Oxfordian, Rotti, Bibl. 81, p. 151; non 75, p. 104, pl. 13, fig. 6—8, 10—12; non 76, p. 90, pl. 5, fig. 6—8, 10—12; 84, p. 663.

„ Gerardi Oppel. — Upper Oxfordian, Mangoli, Bibl. 81, p. 151; 46, p. 163, pl. 1, fig. 1, 3; non 46, pl. 1, fig. 2, 4, pl. 2, fig. 11. See Belemnopsis moluccana Oppel.

„ Gerardi Oppel. — Upper Oxfordian, Fatjet (Misol archipelago), Bibl. 81, p. 151, pl. 248, fig. 16—29, pl. 249, fig. 1—3.

„ Gerardi Oppel. — Upper Oxfordian, Celebes, Bibl. 81, p. 158; 29, p. 329.

„ Gerardi Oppel. — Upper Oxfordian, New Guinea ,Bibl. 15, p. 8, pl. 2, fig. 9. See Belemnites Gerardi Oppel.

„ Gerardi Oppel. — Oxfordian, Buton, Bibl. 101, p. 99. Preleminary determination. See Belemnites Gerardi Oppel.

„ Gerardi Oppel. — Upper Oxfordian, Jamdena (Tenimber archipelago), Bibl. 81, p. 151.

„ aff. Gerardi (Oppel) Stoll. — Malm Fialpopo (Misol archipelago), Bibl. 81, p. 100.

„ aff. Gerardi (Oppel) G. Boehm. — Oxfordian, Rotti, Bibl. 84, p. 663. See Belemnites aff. Gerardi Oppel.

„ aff. Gerardi (Oppel) Stoll.[56]). — Malm Fatjet (Misol archipelago), Bibl. 81, p. 157, pl. 249, fig. 4.

„ cf. Gerardi (Oppel) Stoll. — Oxfordian, Celebes, Bibl. 81, p. 158; 29, p. 329.

„ sp. ex aff. Gerardi (Oppel) Stoll. — Oxfordian, Buru, Bibl. 81, p. 106.

Belemnopsis Hochstetteri Zitt. — Oxfordian, Fatjet (Misol archipelago), Bibl. 81, p. 171, pl. 251, fig. 7.

„ indica Kruiz. — Lower Oxfordian, Buru, Bibl. 81, p. 165, pl. 250, fig. 9—10.

„ indica Kruiz.[57]) — Lower Oxfordian, Mangoli, Bibl. 81, p. 165; 83, p. 171, pl. 3, fig. 1.

„ indica Kruiz. — Oxfordian, Taliabu, Bibl. 46, p. 171, pl. 3, fig. 2, 3. See Belemnopsis moluccana G. Boehm.

„ indica Kruiz. — Oxfordian, Rotti, Bibl. 81, p. 165, pl. 250, fig. 7, 8.

„ Jonkeri Stoll. — Malm Timor, Bibl. 81, p. 176, pl. 251, fig. 11, pl. 252, fig. 1—8, 11.

„ cf. Jonkeri Stoll. — Malm Rotti, Bibl. 81, p. 177, pl. 252, fig. 9, 10.

„ sp. cf. Jonkeri Stoll. — Middle Malm, Timor, Bibl. 81, p. 182, pl. 252, fig. 27.

„ keeuwensis Stoll. — Callovian, Taliabu, Bibl. 81, p. 174, pl. 251, fig. 8.

„ Kruizingae Stoll. — Callovian, Taliabu, Bibl. 81, p. 168; 46, p. 172, pl. 4, fig. 1—4. See Belemnopsis cf. aucklandica (v. Hauer) Kruiz.

„ misolica Stoll. — Kimmerridgian, Fatjet (Misol archipelago), Bibl. 81, p. 180, pl. 252, fig. 24, 25.

„ moluccana G. Boehm. — Oxfordian, Fatjet (Misol archipelago), Bibl. 81, p. 162, pl. 249, fig. 11.

„ moluccana G. Boehm. — Oxfordian, Demu (Misol archipelago), Bibl. 81, p. 165, pl. 250, fig. 6.

„ moluccana G. Boehm. — Oxfordian, Misol, Bibl. 81, p. 162, pl. 249, fig. 12, pl. 250, fig. 3—5.

„ moluccana G. Boehm. — Oxfordian, Taliabu, Bibl. 81, p. 162; 7, p. 73, pl. 11, fig. 12; 46, p. 171, pl. 3, fig. 2, 3; 84, p. 664. See Belemnites moluccanus G. Boehm, Belemnopsis indica Kruiz.

„ moluccana G. Boehm. — Oxfordian, Mangoli, Bibl. 81, p. 155; 46, pl. 1, fig. 2. See Belemnopsis Gerardi Oppel.

„ moluccana G. Boehm. — Oxfordian, Jamdena (Tenimber archipelago), Bibl. 81, p. 162, pl. 249, fig. 9—10, pl. 250, fig. 1, 2.

„ parva Stoll. — Upper Dogger, Misol, Bibl. 81, p. 142, pl. 248, fig. 9; 80, p. 99. See Belemnites subblainvillei Desl.

„ parva Stoll. — Upper Dogger, Rotti, Bibl. 81, p. 142.

„ cf. parva Stoll. — Upper Dogger, Jefbie (Misol archipelago), Bibl. 81, p. 142, pl. 248, fig. 10; 79, p. 621. See Belemnites subblainvillei Desl.

„ perlonga Stoll. — Middle? Malm, Timor, Bibl. 81, p. 175, pl. 251, fig. 9—10.

„ cf. perlonga Stoll. — Upper Oxfordian Rotti, Bibl. 81, p. 175.

„ persulcata Stoll. — Upper Dogger, Jefbie (Misol archipelago), Bibl. 81, p. 137, pl. 248, fig. 1—7; 79, p. 621,

pl. 24, fig. 4 (non 5); 80, p. 100. See Belemnites subblainvillei Desl.

Belemnopsis persulcata Stoll. — Upper Dogger, Rotti, Bibl. 81, p. 137, pl. 248, fig. 8.

„ persulcata Stoll. — Upper Dogger, Fialpopo (Misol archipelago), Bibl. 81, p. 137; 79, p. 622, pl. 24, fig. 6—8. See Belemnites subblainvillei Soerg.

„ Rumphii Kruiz. — Upper Dogger, Rotti, Bibl. 81, p. 167; ? 81, p. 156; ? 75, pl. 131, fig. 10; ? 76, pl. 5, fig. 10.

„ Rumphii Kruiz. — Upper Dogger, Taliabu, Bibl. 81, p. 167; 46, p. 174, pl. 5, fig. 3, 4.

„ cf. Rumphii Kruiz. — Upper Oxfordian, Timor, Bibl. 81, p. 167, pl. 250, fig. 11.

„ suavis Stoll. — Middle Malm, Rotti, Bibl. 81, p. 181, pl. 252, fig. 21, 22.

„ suavis Stoll. — Middle Malm, Timor, Bibl. 81, p. 181, pl. 252, fig. 23.

„ sularum G. Boehm.[58]) — Oxfordian Taliabu, Bibl. 81, p. 161; 7, p. 73, pl. 11, fig. 9—11; ? 7, p. 136; 84, p. 664.

„ cf. sularum (G. Boehm) Stoll. — Oxfordian, Fatjèt (Misol archipelago), Bibl. 81, p. 161, pl. 249, fig. 7.

„ cf. sularum (G. Boehm) Stoll. — Callovian, Taliabu, Bibl. 81, p. 161, pl. 249, fig. 8. See Belemnites sularum G. Boehm.

„ taliabutica G. Boehm. — Oxfordian, Rotti, Bibl. 81, p. 159, pl. 249, fig. 6.

„ taliabutica G. Boehm. — Oxfordian, Demu (Misol archipelago), Bibl. 81, p. 159, pl. 249, fig. 5.

„ taliabutica G. Boehm. — Oxfordian, Taliabu, Bibl. 81, p. 159; 42, p. 161; 81, 172; 7, p. 73, pl. 11, fig. 5—8; 7, p. 73, pl. 10, fig. 5; 7, p. 73, pl. 11, fig. 11; 7, pl. 10, fig. 7; 84, p. 664. See Belemnites taliabuticus G. Boehm, Belemnites galoi G. Boehm, Belemnites sularum G. Boehm, Belemnites alfuricus G. Boehm.

„ cf. taliabutica (G. Boehm) Stoll. — Oxfordian, Celebes, Bibl. 81, p. 160.

„ tanganensis Futt. — Middle Malm (Kimmeridgian), Rotti, Bibl. 81, p. 177, pl. 252, fig. 13—20.

„ sp. (aff. tanganensis Futt.) Stoll. — Upper Oxfordian, Fatjet (Misol archipelago), Bibl. 81, p. 179, pl. 252, fig. 12.

„ tenuis Stoll. — Middle or Upper Dogger, Jefbie (Misol archipelago), Bibl. 81, p. 145, pl. 248, fig. 14, 15.

„ Wanneri Stoll. — Upper? Dogger, Jefbie (Misol archipelago), Bibl. 81, p. 143, pl. 248, fig. 11, 12.

„ n. sp. indet. Stoll. — Upper? Dogger, Rotti, Bibl. 81, p. 182, pl. 252, fig. 26.

„ sp. Stoll. — Upper? Dogger, Jefbie (Misol archipelago), Bibl. 81, p. 145, pl. 248, fig. 13.

Dicoelites impar Stoll. — Callovian, Taliabu, Bibl. 81, p. 196; 7, p. 138, pl. 32, fig. 9. See Dicoelites sp. G. Boehm.

Dicoelites keeuwensiss G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 138, pl. 32, fig. 6, 7.
„ cf. keeuwensis G. Boehm. — Callovian, Taliabu, Bibl. 7, p. 138, pl. 32, fig. 8.
„ mihanus G. Boehm. — Upper Dogger, Taliabu, Bibl. 7, p. 139, pl. 32, fig. 10. See Prodicoelites mihanus G. Boehm.
„ cf. mihanus (G. Boehm) Kruiz. — Callovian, Taliabu, Bibl. 46, p. 180, pl. 6, fig. 4. See Prodicoelites cf. mihanus (G. Boehm) Kruiz.
„ sp. G. Boehm. — Callovian, Taliabu, Bibl. 81, p. 138, pl. 32, fig. 9. See Dicoelites impar Stoll.

Hibolites G. Boehmi Stoll. — Lower Oxfordian, Taliabu, Bibl. 81, p. 206, pl. 256, fig. 7; 7, p. 58, pl. 8, fig. 17?, 18, 19; ?46, p. 177, pl. 3, fig. 4; 81, p. 102. See Hibolites lagoicus G. Boehm.
„ cf. G. Boehmi Stoll. — Lower Oxfordian, Demu (Misol archipelago), Bibl. 81, p. 205, pl. 256, fig. 6.
„ cf. G. Boehmi Stoll. — Lower Oxfordian, Taliabu, Bibl. 81, p. 205, pl. 256, fig. 8—10; 7, p. 58, fig. 17?, 18, 19. See Belemnites aff. lagoicus G. Boehm.
„ boloides Stoll. — Lower Oxfordian, Demu (Misol archipelago), Bibl. 81, p. 201, pl. 255, fig. 10, 11.
„ brevis Stoll. — Malm, Timor, Bibl. 81, p. 202, pl. 256, fig. 12—14.
„ Brouweri Kruiz. — Callovian, Taliabu, Bibl. 46, p. 176, pl. 5, fig. 1.
„ ingens Stoll. — Callovian, Ceram, Bibl. 81, p. 198 (note); 87, p. 216, pl. 11, fig. 5, pl. 12, fig. 3. See Atractites sp. Wann.
„ ingens Stoll. — Callovian, Rotti, Bibl. 81, p. 197, pl. 254, fig. 1—5, pl. 255, fig. 1—5, textfig. next p. 197.
„ ingens Stoll. — Callovian, Timor, Bibl. 81, p. 197.
„ sp. n. aff. ingenti Stoll. — Callovian, Taliabu, Bibl. 81, p. 199, pl. 255, fig. 6.
„ lagoicus G. Boehm. — Lower Malm, Taliabu, Bibl. 81, p. 203; 7, p. 57, pl. 8, fig. 12, 13; 46, p. 177, pl. 3, fig. 4; 81, p. 102. See Belemnites lagoicus G. Boehm, Hibolites G. Boehmi Stoll.
„ aff. lagoico G. Boehm [59]). — Callovian, Taliabu, Bibl. 7, p. 136. See Belemnites aff. lagoico G. Boehm.
„ sp. ex aff. Hibolites lagoici (G. Boehm) Stoll. — Lower Oxfordian, Buru, Bibl. 81, p. 107.
„ obtusus Stoll. — Lower Oxfordian, Demu (Misol archipelago), Bibl. 81, p. 199, pl. 255, fig. 9.
„ obtusus Stoll. — Lower Oxfordian, Buru, Bibl. 81, p. 199, pl. 255, fig. 78.
„ obtusiformis Stoll. — Callovian, Taliabu, Bibl. 81, p. 200, pl. 255, fig. 12.
„ subfusiformis Rasp. — Lower Cretaceous (Neocomian), Misol, Bibl. 81, p. 100.
„ Verbeeki Kruiz. — Callovian, Taliabu, Bibl. 81, p. 179, pl. 6, fig. 1.

Hibolites Windhouweri (G. Boehm). — Lower Malm, Taliabu, Bibl. 81, p. 204, pl. 256, fig. 1—5; 7, p. 57, pl. 8, fig. 14—16. See Belemnites cf. lagoicus G. Boehm.
„ sp. Stoll. — Malm, Timor, Bibl. 81, p. 207, pl. 256, fig. 15.
„ sp. Stoll. — Lower Oxfordian, Taliabu, Bibl. 81, p. 206.
„ sp. Stoll. — Malm (Middle? Malm), Timor, Bibl. 81, p. 202, pl. 256, fig. 16.
„ div. sp. indet Stoll. — Malm, Timor, Bibl. 81, p. 207.
„ sp. indet. Stoll. — Dogger-Malm, Rotti, Bibl. 81, p. 207.
Prodicoelites Stoll. nov. gen. — Jurassic, Malayan archipelago, Bibl. 81, p. 183, 185.
„ applanatus Stoll. — Upper Dogger, Timor, Bibl. 81, p. 186, pl. 253, fig. 21.
„ applanatus Stoll. — Upper Dogger, Rotti, Bibl. 81, p. 186, pl. 253, fig. 8—16, 18—20, 22; 75, p. 105, pl. 13, fig. 14; 76, p. 92, pl. 5, fig. 14; ? 84, p. 663. See Belemnites dicoelus Rothpl.
„ applanatus Stoll. — Upper Dogger, Jamdena (Tenimber archipelago), Bibl. 81, p. 186, pl. 253, fig. 17.
„ biscissus Stoll. — Upper Dogger, Rotti, Bibl. 81, p. 191, pl. 253, fig. 23—27.
„ sp. n. (cf. bisculcatus Stoll. s. str.) Stoll. — Upper Dogger, Rotti, Bibl. 81, p. 195, pl. 253, fig. 46.
„ dicoelus Rothpl. — Upper Dogger, Rotti, Bibl. 81, p. 185; 75, p. 105, pl. 13, fig. 9 (non 14—15); 76, p. 92, pl. 5, fig. 9 (on 14—15); ? 84, p. 663. See Belemnites dicoelus Rothpl.
„ cf. dicoelus (Rothpl.) Stoll. — Upper Dogger, Rotti, Bibl. 81, p. 185, pl. 253, fig. 44.
„ lenisulcatus Stoll. [60]). — Upper Dogger, Malayan archipelago, Bibl. 81, p. 189, pl. 253, fig. 2.
„ lenisulcatus Stoll. — Upper Dogger, Rotti, Bibl. 81, p. 189, pl. 253, fig. 1.
„ lenisulcatus Stoll. — Upper Dogger, Jefbie (Misol archipelago), Bibl. 81, p. 189, pl. 253, fig. 3—6.
„ lenisulcatus? Stoll. — Upper Dogger, Rotti, Bibl. 81, p. 186; 75, p. 105, pl. 13, fig. 15; 76, p. 92, pl. 5, fig. 15; 84, p. 663. See Belemnites dicoelus Rothpl.
„ cf. lenisulcatus Stoll. — Upper Dogger, Jefbie (Misol archipelago), Bibl. 81, p. 190, pl. 253, fig. 7; 79, p. 621, pl. 24, fig. 5; 81, p. 137. See Belemnites subblainvillei Desl. Belemnites persulcata Stoll.
„ mihanus G. Boehm. — Upper Dogger, Jamdena (Tenimber archipelago), Bibl. 81, p. 188, pl. 253, fig. 39, 40.
„ mihanus G. Boehm. — Upper Dogger, Rotti, Bibl. 81, p. 188, pl. 253, fig. 41—43.
„ mihanus G. Boehm. — Upper Dogger, Taliabu, Bibl. 81,
„ p. 188; 34, p. 139, pl. 32, fig. 10. See Dicoelites mihanus G. Boehm.

Prodicoelites cf. mihanus (G. Boehm) Kruiz. — Callovian, Taliabu, Bibl. 46, p. 180, pl. 6, fig. 4. See Dicoelites cf. mihanus (G. Boehm) Kruiz.

„ cf. mihanus (G. Boehm) Stoll. — Upper Dogger, Rotti, Bibl. 81, p. 189.

„ Rothpletzi Stoll. — Upper Dogger, Jefbie, Bibl. 81, p. 192, pl. 253, fig. 28, 29, 32, 33.

„ Rothpletzi Stoll. — Upper Dogger, Timor, Bibl. 81, p. 192, pl. 253, fig. 30.

„ Rothpletzi Stoll. — Upper Dogger, Rotti, Bibl. 81, p. 192, pl. 253, fig. 31, 34; 75, p. 106, pl. 13, fig. 5; 76, p. 93, pl. 5, fig. 5. See Belemnites sp. Rothpl.

„ rotundus Stoll. — Upper Callovian, Timor, Bibl. 81, p. 193, pl. 253, fig. 35, 37.

„ rotundus Stoll. — Upper Dogger, Rotti, Bibl. 81, p. 193, pl. 253, fig. 36.

„ sp. Stoll. — Upper Dogger, Rotti, Bibl. 81, p. 194, pl. 253, fig. 45.

Rhopalobelus exilis d'Orb.[61]). — Lower Dogger, Taliabu, Bibl. 32, p. 202, pl. 1, fig. 6; 81, p. 104, note.

Phragmocones G. Boehm. — See Belemnites sp. G. Boehm. (Phragmocones).

„ Kruiz. — See Belemnites sp. Kruiz. (Phragmocones).

FAM. DUVALIDAE.

Duvalia timorensis Stoll. — Tithonian-Lower Cretaceous, Timor, Bibl. 81, p. 208, pl. 256, fig. 17.

„ cf. timorensis Stoll. — Tithonian-Lower Cretaceous?, Timor, Bibl. 81, p. 209, pl. 256, fig. 18.

Sub-Order OCTOPODA.

FAM. ARGONAUTIDAE.

Kapal K. Mart. nov. gen. — Middle Miocene (Lower Palembang beds), Sumatra, Bibl. 67, p. 221.

„ batavus K. Mart. — Middle Miocene (Lower Palembang beds), Sumatra, Bibl. 67, p. 221, pl. 39, fig. 1—3.

ANNOTATIONS TO THE LIST OF SPECIES.

1. The geological formation was called by the author „Kohlenkalk" as up to that time these rocks had not yet been recognised as being of permian age.
2. In the text we read that this species is figured on plate 7, fig. 8, but in this paper no figure of *Cl. noricus* v. MOJS. var. *timorensis* WELT. is to be found.
3. As this fossil is named after Prof. SUESS, the name must be *Gr. cf. Suessiforme* DIEN.
4. This fossil is probably indeterminable but may be a gastropode.
5. Perhaps identical with the specimen described under the same name by WELTER.
6. Perhaps identical with the specimen described under the same name by KIESLINGER.
7. WELTER named the species *Cosmonautilus cf. Dilleri* HYATT et SMITH, whereas in the description we read: Hierdurch ergeben sich directe Beziehungen zu *Cosmonautilus Dilleri* HYATT et SMITH, und in der Tat konnte ihre Identität nachgewiesen werden, da die Unterschiede nur gering sind". In the explanation of plate 33, fig. 1—3, he also writes *Cosmonautilus Dilleri* HYATT et SMITH. KIESLINGER describes on p. 87 as well as on p. 90 a form as being *Proclydonautilus (Cosmonautilus) cf. Dilleri* HYATT et SMITH. He says on p. 87: „Daher habe ich — dem Beispiele der amerikanischen Autoren und dem WELTERS folgend — auch solche Formen unbedenklich zu *Procl. Dilleri* gestellt die bei sonst vollkommener Uebereinstimmung keine Knoten tragen." In the explanation of the plates and the figures 17 and 18 he writes *Proclydonautilus Dilleri*. Therefore I conclude that the species on p. 87 of KIESLINGERS paper ought to be named *Proclydonautilus (Cosmonautilus) Dilleri* HYATT et SMITH and the species on p. 90 *Proclydonautilus) cf. Dilleri* HYATT et SMITH, in accordance with the text.
8. Perhaps the two species named here may prove, as KIESLINGER thinks to be two specimens of one species, the one male the other female.
9. One specimen from Sumatra was described under this name but proved to belong to the genus *Belerophon* and so not to the *Goniatitidae*.
10. HANIEL ascribes this species to the Upper Permian, PERRIN SMITH, however, quite correctly to the Lower Triassic as he says to have had one specimen that was associated with fossils from the *Anasibiritez*one.
11. As neither HANIEL or PERRIN SMITH describe this species it is probable that these fossils belong to *Medlicottia artiensis* GRUENEW. *var. timorensis* HAN. See description of HANIEL.
12. As being named in honour of Lord Kelvin the name must be Kelvini as DIENER also writes.

13. The name originally given by DIENER was *A. Verbeecki.* But as this fossil is named after Dr. VERBEEK it ought to be *A. Verbeeki* DIEN.
14. DIENER and PAKUCKAS have cited this fossil, loc. cit. and in fossilium catalogus as *Neotibetites Wetteringi* BOEHM. This is incorrect as the species has been named in honour of Mr. WETTERING. BOEHM considered this species to belong to the genus *Tissotia* of the Upper Cretaceous beds, KRUMBECK however proved it to belong to the Upper Triassic beds and to be related to *Tibetites.*
15. DIENER has not cited this local variety together with the others, that he considers should be dropped from the list given by KRUMBECK. I believe, however, that this one must disappear as well as the other local varieties.
16. Perhaps identical with the specimen of the same name described by DIENER.
17. DIENER named this fossil *D. Reynoldsi* DIEN. This, however, is a mistake as can be easily seen. Perhaps the same species as the one following?
18. The same species as described under this name by DIENER?
19. The name should not be *Gerthii* but *Gerthi* as this fossil is named in honour of Prof. GERTH.
20. Called by DIENER var. *timorensis* WELT.
21. DIENER named this species a var. *timorensis* of the species *J. daciformis* DIEN.
22. If named in honour of Prof. VAN KAMPEN the name must be *Kampeni.*
23. This species named after SARASIN ought to be named *Juvavites Sarasini* DIEN. instead of *Sarasinii.*
24. PAKUCKAS calls *Malayites* a subgenus of the genus *Juvavites.*
25. Not. *S. Evae* as is written in the explanation of the plate.
26. This name should be *S. Krumbecki* DIEN., not *S. Krumbeckii* as this fossil is named in honour of Prof. KRUMBECK.
27. This specimen probably belongs to *Adrianites Beyrichi* G. BOEHM = *Agathiceras Beyrichi* G. BOEHM.
28. This fossil from the river Halifehan is probably a young specimen of *Paralegoceras sundaicum* HAN. or relative species.
29. This fossil from the river Kasimuti is neither an *Agathiceras* sp. nor does it belong to the Permian but it is a *Flemingites* sp. from the Lower Triassic. The fossil was found in red limestone as occurs in Lidak.
30. From Celebes only one specimen has been described, the locality, however, is very doubtful. Most probably this fossil was originally found in Timor.
31. BEYRICH described this as a triassic fossil, whereas ROTHPLETZ and FRECH as permian. Recently, however, it is thought to belong to the Lower Triassic.

32. As the name was derived from the locality Bihati, it ought to be *Rhac. bihatiensis* v. ARTH. instead of *Rhac. bihatensis* v. ARTH.

33. KRUMBECK writes: *Lytoceras* sp. aus der Gruppe *Lytoceras jurense* v. ZIET.

34. As Prof. JAWORSKI kindly informed me this specimen is an *Arietites* sp. related to *A. rotticus* ROTHPL. or *A. Wichmanni* ROTHPL. and does not belong to the genus *Psiloceras.*

35. As Prof. JAWORSKI kindly informed me this specimen is probably also related to *Arnioceras rotticus* ROTHPL. or *A. Wichmanni* ROTHPL. and does not belong to the species named here.

36. As Prof. JAWORSKI kindly informed me the classification of this fossil by GÜRICH is probably correct. The specimen, however, is badly preserved.

37. Most specimens are too badly preserved for exact classification.

38. Probably afterwards described by CLOOS and belonging to the varieties of *Hammatoceras moluccanum* CLOOS.

39. BOEHM could not determine this fossil as it was not well preserved. He believed it to be *Ammonites biplex bifurcatus* QUENST., *Amm. Witheanus* OPP., or *Ammonites portlandicus* DE LOR. The fossil described by GERTH as *Stephanoceras* sp. may also belong to *Coeloceras Moermanni* as the author compares it with *Stephanoceras aff. Braikenridgii* (Sow.) described by BOEHM from Babbar and the figure seems to show two rows of nodules also.

40. This specimen belongs to the *Macrocephalites keeuwensis* α G. BOEHM as stated lit. l. c. 12 and therefor to the *Macrocephalites keeuwensis* (G. BOEHM.) KRUIZ.

41. This specimen is probably a *Stephanoceras* sp. and does not belong to the genus *Macrocephalites,* as BOEHM suggested.

42. Named by BULLEN NEWTON *Perisphinctes Martinsi* but as this name has been given in honour of Prof. K. MARTIN, it ought to be *P. Martini.*

43. This species probably belongs to one of the *Sphaeroceras* spec. lateron described by BOEHM in his papers on the Sula Islands.

44. GERTH is not convinced of the identity with the Steph. sp. described by ETHERIDGE. He declares that they are very probably identical and he therefor writes *cf. Steph. aff. S. Blagdeni* Sow.

45. The author named this fossil *Stephanoceras* related to *S. lamellosus* J. DE C. Sow.

46. BOEHM considered this specimen to be *Macrocephalites keeuwensis* β-γ G. BOEHM. The fossil is very badly figured but also appears to belong to the genus *Stephanoceras.*

47. The author writes that this fossil is closely related to *Acanthoceras harpax* STOL. and *Acanthoceras crassitesta* STOL.

48. In the text we read that these fossils belong to the group *Mionites.* This is probably a mistake and should have been written *Clionites.*

49. As STOLLEY stated this specimen belongs to the older specimens of the Gerardi group.
50. SOERGEL considered this fossil to belong to Dogger β.
51. As BOEHM stated this specimen has probably no ventral furrow, in which case it may belong to *Hibolites*.
52. This specimen was found at Keeuw where as STOLLEY indicates *Belemnopsis Gerardi* does not occur. Therefor this fossil must belong to another large species as was originally thought, perhaps *Belemnopsis perlonga* STOLL. or *Bel. Jonkeri* STOLL.
53. As the figures show different characters, all the fragments belong to the group of *Belemnopsis Gerardi* OPP. and are derived from Jurassic, perhaps from Oxfordian strata. RUMPHIUS calls them *Belemnites* or *Dactyli Idaei*.
54. From Rotti *Belemnopsis alfurica* G. BOEHM has not been cited by STOLLEY, so I believe that BOEHM's classification is incorrect.
55. STOLLEY states that the specimens described by ROTHPLETZ as to be *Belemnopsis Gerardi* OPPEL do not belong to that species but to an ancestor of the *Gerardi*-group.
56. Perhaps this specimen is a connecting link to *Belemnopsis Jonkeri* STOLL.
57. STOLLEY indicates 83, pl. 3, fig. 2 and 3 should be named *Bel. moluccana* G. BOEHM. Compared with the original figure of BOEHM, this cannot be true (compare with BOEHM's figure of *B. moluccana* ... pl. XI, fig. 12 and with text on p. 73).

STRATIGRAPHICAL REMARKS.

PERMIAN.

Permian sedimentary rocks of the Malayan Archipelago containing cephalopods are known from Sumatra, Timor, Rotti and Letti. The specimen of *Marathonites Dieneri* PERRIN SMITH (*Popanoceras timorense* β HAN.) described from Celebes must be left out of account as it is very doubtful whether that fossil has really been found there and not on Timor at Somohole. Most important is the Permian of Timor with its rich fauna of permian cephalopods. The Permian of Rotti and Letti can easily be compared with this formation on Timor. As to Sumatra we know the fossils of the „Padangsche Bovenlanden" described by ROEMER and FLIEGEL. By means of the cephalopods we cannot compare these deposits with those of Timor as not one of them has been found on both islands. Only 4 species have been fully described and 2 of these are new species. *Temnocheilus (Metacoceras) Hayi* HYATT occurs in Kansas, but according to FLIEGEL the horizon in which that fossil has been found is unknown.

The other species, *Pleuronautilus multituberculatus* WAAG., has been described from India. The description of the fossils collected lately by POSTHUMUS and ZWIERZYCKI is not yet ready, but as far as I know from communications of Mr. TAN SIN HOK cephalopods are very rare in that collection. For the rest we know from Sumatra only some unclassified permian cephalopods. If we wish to compare the stratigraphy of the permian rocks of Sumatra with those of Timor other groups of fossils *(Foraminifera, Brachiopoda, Trilobita)* must be taken into consideration, as the cephalopods are of no use here. Possibly the results of the description by TAN SIN HOK will bring a change.

PERRIN SMITH named the following permian genera characteristic for Timor viz. *Adrianites, Cyclolobus, Pinacoceras, Sicanites, Stacheoceras, Sundaites, Thalassoceras, Timorites* and *Waagenoceras.* Species belonging to these genera are therefor very good index fossils for the Permian of Timor, especially the common species of *Adrianites, Popanoceras* and *Stacheoceras.*

Besides some genera have been found on Timor that range from the Carboniferous to the Permian viz. *Agathiceras, Gastrioceras, Glyphioceras* ?, *Marathonites, Paralegoceras* and *Pronorites,* and others that range from the Permian into the Triassic *(Episageceras, Lecanites, Medlicottia, Parapopanoceras, Xenaspis* and *Xenodiscus).* Some of these genera can also become good index fossils as they are common in permian beds of Timor, viz. *Agathiceras sundaicum* HAN., *Medlicottia (Artinskia) artiensis* GRUENEW. *var. timorensis* HAN., *Paralegoceras sundaicum* HAN., *Paralegoceras evolutum* HAN. and *Pronorites timorensis* HAN.

The oldest permian rocks in the Archipelago are represented on Timor at Somohole in the *Marathonites-horizon.* As PERRIN SMITH states the Somohole-beds correspond with the Wolfkamp-beds in Texas and these two localities fill up a gap in the stratigraphical column, that we do not know to be represented elsewhere. Together with many specimens of *Marathonites* the most common fossils are species of *Gastrioceras, Paralegoceras* and *Pronorites,* survivors of the Uralian stage.

The Bitauni-beds are younger and correspond with the Leonard-formation and partly with the Hess-formation in Texas, with the Artinskian of the Ural mountains and partly with the Sosio-beds of Sicily. The Bitauni-beds are characterized by *Perrinites* with *Propinacoceras, Medlicottia, Parapronorites, Marathonites, Paralegoceras* and *Pronorites.*

The next stage is formed by the Basleo-beds, that correspond pretty well with a large portion of the Sosio-beds and the Word formation of Texas. The Basleo-beds are characterized by the occurrence of *Waagenoceras.* In this stage we see the *Cyclolobidae* decrease, the rise of the primitive *Haloritidae* and the appearance of some *Ceratitoidea (Xenodiscus, Xenaspis).*

The youngest permian beds of Timor are the Ajer-mati-beds or Amarassi-beds. By the occurrence of *Cyclolobus,* the last representative of the *Cyclolobidae,* these beds may be correlated with the lower stage of the Upper Productus limestone of the Salt Range in India. The youngest permian rocks of Armenia and India are not represented in the Malayan Archipelago as far as we know.

TRIASSIC.

Triassic deposits have been found on a great number of islands of the Mal. Archipelago, but they do not everywhere contain a rich fauna of cephalopods as on Timor. Among the Triassic fossils of Sumatra collected by VERBEEK and described by KRUMBECK they are completely wanting. Yet their presence on Sumatra has been proved. The geologists of the geological survey have found at different localities of the island some cephalopods, viz. *Cyrtopleurites* sp., *Drepanites* sp. and *Trachyceras* sp. belonging to the Upper Triassic. Also in West-Borneo the Upper Triassic deposits have been met with, not only because *Monotis*-limestone has been found there, but also by the presence of *Steinmannites* sp. On Buton also a *Monotis*-limestone has been found and an Upper Triassic ammonite as well. Perhaps this ammonite may be a *Clionites sp.* (in the description we may read *Mionites sp.* but I believe this must be a mistake). From Ceram some Upper Triassic species have been described. Among them are *Juvavites ceramensis* WANN., *Juvavites sp. nov. aff. continuo* v. MOJS. and *Joannites cfr. cymbiformis* WULF. WANNER reckoned the two first named fossils to the Norian, whereas the last one may perhaps belong to the Karnian. The other fossils are stratigraphically uninteresting. The triassic cephalopods described from Buru by KRUMBECK are two species of *Sagenites*, and two species of *Sibirites* and *Neotibetites* Weteringi G. BOEHM. These fossils belong to the Norian. *Neotibetites Weteringi* G. BOEHM is very common in the Fogi-beds, though frequently not very well preserved. KRUMBECK described from this species 4 different forms or varieties, but according to DIENER only the rank of local varieties may be given them.

For the rest triassic sedimentary rocks with cephalopods have only been found on Timor and Rotti.

The first Triassic Ammonite, described from Timor is *Megaphyllites megaphyllus* BEYR. from Bakoelnassi in the neighbourhood of Koepang and belongs probable to the Lower Triassic. This fossil was found in a limestone coloured by manganese. Lateron more fossils have been collected from the same locality.

At Kapan WANNER found that Upper Permian limestone with brachiopods and *Fenestella* was immediately covered by a similar limestone only different in colour but containing fossils of the Lower Triassic. No disconformities could be seen between the two limestones. The distance between the uppermost permian *Productus sp.* and the lowest *Meekoceras sp.* was not 1 cm.

This limestone is similar to one found in other localities and characterized by some *Meekoceras sp. viz. Meekocras jolinkinse* v. KRAFFT, *Meekoceras timorense* WELT. and by *Xenodiscus, Flemingites, Otoceras* and *Pseudosageceras.* Probably these *Meekoceras* beds correspond in age to the limestone with *Ophiceras crassicostatum* WELT. and many species of *Xenodiscus,* though only one species is common to both these limestones. The *Meekoceras*-beds of Timor may readily be compared with the *Otoceras* and *Meekoceras*-beds of the Himalayan region, whereas none of the species occurs in the Lower Triassic of America. In a recent paper

however SPATH doubts wether the *Otoceras* fauna of the Himalayan region really has been proved on Timor. (Bibl. 104, p. 77). Only *Aspenites laevis* WELT. has american relations. The *Meekoceras*-limestone is followed by the *Owenites egrediens*-limestone that contains also species of *Prionites* and *Xenodiscus*. It can also be compared well with beds from the Himalayan region, viz. with the *Hedenstroemia* beds. To this zone also belongs the limestone of block e of Nefoekoko. This block is characterized by a quite different fauna which shows a strong albanese character. Therefor this fauna is different from that of the *Meekoceras*-limestone. It contains *Columbites, Monophyllites, Pronorites, Proptychites, Himalayites* and *Hungarites*. The fossils are coloured black by a covering of manganese.

The youngest beds of the Lower Triassic of Timor are the limestone with *Anasibirites multiformis*, probably corresponding with the zone of *Sibirites spiniger* of the Himalayan region. This limestone as well as some other zones of the Lower Triassic is crowded with ammonites.

The Anisian of Timor also proved to contain a rich fauna of Cephalopods. *Nautiloidea* and *Belemnoidea* are very rare and of less interest to stratigraphy. From the Lower Triassic of Timor only one *Orthoceras* has been described. The ammonites on the other hand have been found in great quantities. At Nefoekoko the greatest block (about 2 m. thicknes) has been found, with a very rich fauna. Three zones could easily be distinguished here, corresponding probably with the horizon of *Monophyllites Confucii* in Tibet. At other localities yet more blocks have been examined, containing a similar fauna. The block of Toebo Lopo included species of the oldest two zones of that of Nefoekoko. Especially important are species of the following genera: *Durgaites, Beyrichites, Gymnites, Monophyllites, Japonites, Sturia, Florianites, Xenaspis* etc. The resemblance of this bathyal fauna to the corresponding anisian-fauna of Chitichun (Himalayan region) is very great, and likewise, though less strong, with that fauna of the Mediterranean region. No american types have been found and only *Monophyllites Arthaberi* WELT. is a Siberian type, whereas *Parasageceras discoidalis* WELT. is the only real indo-australian or malayan type.

At Baung 60 m. below the Upper Triassic a tuff has been found of the Ladinian and Toebo Lopo also proved to be an important locality for collecting ladinian fossils. This ladinian fauna of Timor is bathyal. *Belemnites* as well as *Orthoceras* and *Nautilidae* are rare. *Aulacoceras sulcatum* v. HAU. *var. timorensis* WANN. is completely wanting. Many of the fossils correspond with the *Trachyceras Aon*-beds and as Lower Karnian was found covering those beds WELTER concluded that the zone belongs to the Ladinian. American types are wanting here also and the relations with Asia are less strong than those with the alpine region. Characteristic for the Ladinian of Timor are *Trachyceras cf. Aon* zu MÜNST., *Clionites acutecostatus* KLIPST., *Pinacoceras Schneideri* WELT., *Protrachyceras Archelaus* LAUBE and some other species of *Protrachyceras, Trachyceras* and *Monophyllites*.

The Upper Triassic beds of Timor contain a fauna of Cephalopods that may be called one of the richest of the world. Ammonites are by far the most important, the *Nautilidae* and belemnites are less important

though many species and sometimes numerous specimens occur. The last species of *Orthoceras* are represented. WELTER, DIENER and others proved these Upper Triassic beds to be as well as others of the Triassic of Timor bathyal deposits. The limestone has been coloured in the same manner by great quantities of manganese. This bathyal facies occurs on the southern part of the island to the south of the line from the bay of Kupang to the basin of Benain. To the north of that line a quite different facies of Upper Triassic is represented by the coralligene Fatu-limestone.

The fossils have been collected from a great number of blocks as it was impossible to study natural sections and where possible the collections were made stratigraphically. Some of the blocks proved to have a typical karnian fauna, others a norian fauna, and some of them contained a mixed karnian and norian fauna as WELTER states. He believes also that if larger sections could be investigated on Timor, a division of karnian and norian might very well be possible there. This was impossible for the *Tropites*-limestone of Byans in the Himalayan region, where the Upper Triassic is only 3 feet thick. On Timor the thickness of the Upper Triassic must be about 2 m. The fossils lay close together as there are very small quantities of sediment between them. Some specimens of *Juvavites* were found embedded in a tuff. Perhaps this tuff may form the division between karnian and norian.

In the coralligene Fatu-limestone also, some ammonites have been found belonging partly to the Norian (*Trachypleuraspidites malayicus involutus* WELT., *Tr. sp. ind. ex aff. malayici* WELT., *Paratibetites insulanus* WELT., *Distichites pudens fatuensis* WELT.). A karnian type was *Anatomites sp.* Therefor this limestone probably belongs partly to the Karnian and partly to the Norian. Opinions differ as to the questions whether a division between Karnian and Norian is actually possible on Timor. ARTHABER states that the *Leiostraca* are less difficult to subdivide into these two stages than the *Trachyostraca* and that the character of the *Leiostraca*-fauna of a block was sometimes in entire contradiction with the character of the *Trachyostraca*. So it proved that blocks from different localities have a mixed fauna of karnian and norian cephalopods. DIENER believed that he could not only recognise the karnian zones of *Trachyceras Aonoides* and *Tropites subbullatus* v. HAUER but that a division in Lower and Upper Norian might also be possible. To the Upper Norian belongs *Halorites catenatus* v. BUCH. A rhaetic type is *Choristoceras ammonitiforme* v. GUEMB. Of the different genera most species of *Anatomites, Juvavites, Joannites, Griesbachites, Miltites, Anatropites Tropites, Cladiscites, Hypocladiscites* etc. belong to the Karnian. Index fossils of the Norian are the different species of *Halorites, Malayites, Dimorphites, Trachypleuraspidites, Paratibetites, Anatibetites, Neotibetites, Distichites, Sirenites, Sandlingites,* most species of *Clionites* etc.

The lowest Karnian of the Mediterranean region is wanting in the Himalaya and is only indicated on Timor. Therefor at this time a barrier must have existed between the Mediterranean and other regions. Afterwards in the Middle and Upper Karnian these seas must have been in connection again. In the Lower Norian the character of the fauna of

Timor corresponds more with the Himalayan region than with the Mediterranean fauna. For the Middle Norian a great renewed invasion of Mediterranean cephalopods has been proved.

A great deal of the cephalopods of the Upper Triassic shows a local character and although also in this respect opinions differ, VON ARTHABER believes that the Upper Triassic fauna of Timor proves the existence of a separate Malayan or Indonesian province. WELTER concluded some time before that a separate province can hardly be accepted. No connections with America existed during the Upper Triassic.

JURASSIC.

For our knowledge of the Jurassic in the Malayan Archipelago the cephalopods of the eastern part are very important. TOBLER found a belemnite on Sumatra, but in his papers he states that it is not quite certain whether this specimen belongs to the Triassic or to the Jurassic and the occurrence of Jurassic on this island has therefor not yet been proved by cephalopods. Some fossil cephalopods occur on Borneo but they are badly preserved and could not be classified very well. *Harpoceras sp. ind. ex aff. radians* REIN. described by P. G. KRAUSE makes the occurrence of Upper Lias probable. *Perisphinctes Martini* B. NEWT. and *Aegoceras borneense* P. G. KRAUSE are less important for stratigraphy as they are new species. *Aegoceras borneense* P. G. KRAUSE probable belongs to the Lias as well; the other fossils must be younger.

On the eastern part of Celebes WEBER found a Lower Liassic fossil, *Arnioceras cf. semilaeve* v. HAUER and HOTZ collected some other fossils. Among them according to STOLLEY *Belemnopsis Gerardi* OPPEL. This species proves the occurrence of Oxfordian on that island and also on Buton, where the same fossil with *Belemnopsis alfurica* G. BOEHM has been met with. Up to this time from the islands Mitak, Obimajora, Ceram and Sumba only few fossils have been described, but the cephalopods they contain also prove that Jurassic does occur there, which is important for our knowledge of the stratigraphy of the Archipelago. More important are the islands Babbar, Buru, the Misol Archipelago, Jamdena in the Tenimber islands, the Sula islands, Timor, Rotti and New Guinea.

The *Nautilidae* as far as we know are not of great value for our knowledge of the Jurassic. Many of them were not well preserved and some of the others could not be proved to belong to one of the species already known from elsewhere. A great deal of the *Nautilidae* has been found on Rotti. KRUMBECK classified them in different zones of the Lias and of the Dogger. The ammonites and the belemnites are much more important for the Jurassic and from the ammonites chiefly species belonging to the following families: *Arietitidae, Harpoceratidae, Hammatoceratidae, Phylloceratidae* and *Stephanoceratidae. Arietitidae* have been collected on Babbar, Rotti, Jamdena and Timor and prove the occurrence of Lias on these islands. For further information we must await the revision of the Malayan species by JAWORSKI. A short paper, however, already gives some of his results. Also nearly all species and genera of the *Harpoceratidae* belong to the Lias. A great deal of them has been found on islands of the Misol Archipelago and as SOERGEL states two of them

belong to species already known in Europe, viz. *Harpoceras aalense* ZIET. and *H. toarcense* D'ORB. Some of the *Harpoceratidae* have been found on Rotti (*H. landui* G. BOEHM etc.), some on the Sula islands (*Harpoceras arietitiformis* KRUIZ., *Grammoceras Kiliani* KRUIZ. etc.). In the Oxfordian of Buru *Harpoceras trimarginatum* WEPF. and *Oppelia fusca* QUENST. have been found. Some nearly related species, as well as *Oppela galoi* G. BOEHM have been met with in Oxfordian—Callovian, *Streblites Nouhuysi* G. BOEHM is guide fossil for the Lower Cretaceous beds, as well as *Oppelia flexuosa disca* QUENST. from Buru.

From the *Amaltheidae* a few specimens related to *Oxynoticeras numismalis* OPPEL and *O. oxynotum* QUENST. are known in the Lias of Rotti. Very numerous and especially on the Islands Taliabu, Mangoli, Buru and New Guinea are specimens of the *Stephanoceratidae.* Only a few species belonging to the genus *Stephanoceras,* however, have been described. Much more frequent are specimens and species of *Perisphinctes, Macrocephalites* and *Sphaeroceras.* The species of the genus *Macrocephalites* belong to the Oxfordian and Callovian, those of *Sphaeroceras* frequently to the Callovian and *Coeloceras* to Lias—Dogger. The two species of *Idoceras* (*I. mihanum* G. BOEHM and *I. Molengraaffi* KRUIZ.) belong to the Callovian, the last one perhaps to the Oxfordian. They can very easily be identified and are therefor good index fossils as well.

The *Phylloceratidae* range into the Cretaceous. From the Lias of Rotti and Timor *Phylloceras cylindricoides* KRUMB., *Phylloceras submeneghinii* KRUMB. and some *Rhacophyllites sp.* have been described by KRUMBECK. Most of the other species of *Phylloceras* known in the archipelago, those from the Sula islands, New Guinea and Buru belong to Callovian and Oxfordian.

The *Hammatoceratidae* from Misol, the Sula islands, Rotti and Sumba are for the greater part reckoned to the Dogger. Only *H. sp. ind. aff. lotharingico* BEN. belongs perhaps to the Lias. All the species of the genus *Peltoceras* have been described from the Oxfordian. They have been found on the Sula islands and New Guinea. Among them are *Peltoceras arduennense* D'ORB. var. *indica* KRUIZ. and *P. tjapalului* G. BOEHM.

As has already been stated the results obtained by the research of the jurassic belemnites are of great value, especially the investigations of STOLLEY who had a rich material from a great number of the islands at his disposal. As wel as that of the ammonites the fauna of the belemnites was very rich. At some localities belemnites have been found, in great quantities washed together on the bottom of the river. Only a few *Duvalidae* have been described, all the others belong to the *Hastatidae* and to the genera *Belemnopsis, Prodicoelites, Dicoelites* and *Hibolites. Pachyteuthidae* and *Polyteuthidae* are quite unknown up to this time. Of great importance is the group of *Belemnopsis Gerardi* OPPEL, unknown in Europe. Species of this group have been met with in the Himalayan region, in Africa, in Australia and also in America. All the species of this group occur in the Oxfordian. In the Callovian different species of *Hibolites* have been found and among them *Hibolites ingens* STOLL., the largest representative of its genus. The species of *Prodicoelites* generally occur in the Upper Dogger, and *Dicoelites impar* STOLL. the only

species of its genus in the Callovian. From *Duvalia* only *Duvalia timorensis* STOLL. and a related species have been described from Timor. They belong to the Upper Malm or Lower Cretaceous. From the Himalayan region as well as from Australia no *Duvialia* has ever been described. From the Archipelago we do not know one single liassic belemnite. As STOLLEY told in his paper the belemnites are of great value for the knowledge of the stratigraphy of the Jurassic in the Malayan Archipelago. The islands where they have chiefly been found up to this time are some of the Misol archipelago, the Sula islands, from where already RUMPHIUS obtained specimens, Timor, Rotti, Jamdena and Buru. Concerning the stratigraphical position of each species we are not yet completely informed, but STOLLEY sais that he has reason to believe that it will be possible to identify different beds lateron by belemnites. But first of all new investigations on the occurrence of the Jurassic must be carried out on several islands stratigraphical as well as palaeontological. STOLLEY gives some provisional stratigraphical tables in his paper, modifications of those given by other scientists.

CRETACEOUS.

As to the Cretaceous cephalopods, only a few have been described, most of these from Sumatra. STOLLEY has described *Hibolites subfusiformis* RASP. from the Fatjet-limestone of Misol. This proves that the Fatjet-limestone belongs partly to the Malm and partly to the Lower Cretaceous, probably to the Hauterivian. He supposes that at other localities not only Upper Cretaceous (Cenomanian — youngest Cretaceous) but also Lower Cretaceous may be represented. On the Sula islands Lower Cretaceous has already been recognised by the occurrence of *Phylloceras strigile* BLANF., *Bochianites Weteringi* G. BOEHM and *B. Versteeghi* G. BOEHM, *Hoplites (Blanfordia) Wallichi* GRAY, *H. Rooseboomi* G. BOEHM, *Himalayites Treubi* G. BOEHM, *Kossmatia maxima* KRUIZ. and *K. indica* KRUIZ. Probable these fossils belong to the Berriasian. From Borneo we know *Knemoceras pinax* P. G. KRAUSE and some other species not exactly classified. Most important, however, as already stated is the collection of Lower Cretaceous cephalopods from Sumatra described by BAUMBERGER. These cephalopods proved to belong to the Valenginian. Among them are several species of *Hoplitidae* as *Neocomites neocomiensis* D'ORB., *Thurmannites pertransiens* SAYN etc. and *Astieria sp.* The youngest well determined cephalopod is *Pachydiscus papuanus* J. BÖHM from the Upper Cretaceous of Misol.

TERTIARY.

The cephalopods of the Tertiary are only of palaeontological value as only 2 have been described. A third one but not yet described is known from Buton. They are, however, very interesting. *Nautilus javanus* MART. (Upper Miocene) is the only fossil cephalopod that has been described from Java and *Kapal batavus* MART. from the Lower Palembang of Sumatra is the only specimen of the *Octopoda* known in the archipelago.

BIBLIOGRAPHY.

1. ARTHABER, G. v. Ammonoidea Leiostraca aus der oberen Trias von Timor. Jaarb. v. h. Mijnwezen in Ned. Indië, 55e jaarg., 1926. Verh. 2 deel, 1927.
2. BAUMBERGER, E. Ueber die Valangienfauna von Pobungo auf Sumatra. Eclogae Geologicae Helvetiae, Tome 16, 1920/22, pp. 581—582.
3. BAUMBERGER, E. Die Kreidefossilien von Dusun Pobungo, Batu Kapur-Menkadai und Sungi Pobungo (Djambi, Sumatra). Verhandelingen van het Geologisch Mijnbouwkundig Genootschap voor Nederland en Koloniën, Deel 8 (Gedenkboek Verbeek) 1925, pp. 17—48.
4. BEYRICH, E. Ueber eine Kohlenkalkfauna von Timor. Abhandl. d. Kön. Akad. der Wissenschaften zu Berlin, T. 3, 1864, S. 61—98 m. 3 Taf. Berlin 1865.
5. BEYRICH, E. Ueber einige Trias Ammoniten aus Asien. Monatsber. d. Königl. Preuss. Akad. d. Wiss. zu Berlin, 1864. Sitzung der physik.-mathem. Klasse. Berlin 1865.
6. BOEHM, G. Weiteres aus den Molukken. Zeitschrift der Deutsch. Geol. Gesellschaft, Bd. 54, 1902, Briefl. Mitt. S. 74—78.
7. BOEHM, G. Beiträge zur Geologie von Niederländisch-Indien, Erste Abt. II. Die Südküsten der Sula-Inseln Taliabu und Mangoli. Palaeontographica Suppl. 4, 1e Abschnitt. Grenzschichten zwischen Jura und Kreide, S. 1—46 mit Taf. 1—7 und 17 Textfig., 1904, 2e Abschnitt. Der Fundpunkt am oberen Lagoi auf Taliabu, S. 47—58 mit Taf. 8 und 9 Textfig., 3e Abschnitt. Oxford des Wai Galo, S. 59—120 mit Taf. 9—31 und 33 Textfig., 1907, 4e Abschnitt. Unteres Callovien, S. 121—179 mit Taf. 32—44 mit 37 Textfig., 1912.
8. BOEHM, G. Beschreibung eines Ammoniten von Sudwest Neu Guinea. De Zuidwest Nieuw Guinea Expeditie van het Kon. Ned. Aardrk. Gen. Leiden, 1908, p. 409—410, met Verslag over een geologischen verkenningstocht door het terrein beoosten de Etnabaai (19 Nov. 1904—16 Febr. 1905) door C. Moerman.
9. BOEHM, G. Geologische Mitteilungen aus dem Indo-Australischen Archipel. I, Neues aus dem Indo-Australischen Archipel. Neues Jahrb. f. Mineral. u.s.w. B.B. 1906, S. 385—412.
10. BOEHM, G. Geol. Mitteilungen a. d. Indo-Australischen Archipel. Pal. v. Timor, Neues Jahrb. Beil. Bd. 25, 1907.
11. BOEHM, G. Zur Geologie des Indo-Australischen Archipels. Nachträge V. Zur Kenntnis der Südküste von Misol. Centralblatt f. Mineralogie etc., 1910, S. 197—209.
12. BOEHM, G. Unteres Callovien und Coronatenschichten zwischen Mac Cluer-Golf und Geelvink Baai. Nova Guinea Vol. VI, S. 1—20, mit 5 Taf., 10 Textfig., 1912.
13. BÖHM, JOH. Ueber eine senone Fauna von Misol. Paläontologie von Timor. 14e Lieferung, 1924.
14. BOTHÉ, A. CHR. D. Voorloopige mededeeling betreffende de geologie van Zuid-Oost-Celebes. De Mijningenieur, 8e jaarg., 1927, blz. 97—103.
15. BROILI, F. Zur Geologie des Vogelkop (N.W. Neu-Guinea). Wetenschappelijke mededeelingen No. 1, Dienst van den Mijnbouw in Nederlandsch Oost-Indië, 1924, p. 1—15, 2 pl.
16. BROUWER, H. A. Fossielvoerende palaeozoische afzettingen op Celebes. De Ingenieur, 1919, p. 832.
17. BULLETIN No. 31 v. d. Maatschappij ter bevordering van het Natuurk. Onderzoek der Nederl. Koloniën, 1899.
18. BÜLOW, E. VON. Orthoceren und Belemnitiden der Trias von Timor. Palaeontologie von Timor, Lief. IV, 1915.
19. CLOOS, H. Dogger Ammoniten aus den Molukken, Habilitationsschrift, Stuttgart, 1916.

20. DIENER, C. Neu Tropitoidea aus den Hallstädterkalken des Salzkammergutes. Denkschr. Akad. d. Wisschenschafte, Wien. Matthem--Naturw. Kl. Bd. 97, 1920, S. 405—509.

21. DIENER, C. Ammonoidea Trachyostraca aus der mittleren und oberen Trias von Timor. Jaarb. v. h. Mijnwezen, 49e jaarg., 1920. Verh. 4, 1923.

22. ETHERIDGE, R. JR. Our present knowledge of the Palaeontology of New-Guinea. Records of the Geol. Survey of New South Wales, Vol. I, p. 172—179, 1 pl., 1889.

23. FLIEGEL, G. Ueber obercarbonische Faunen aus Ost- und Süd Asien. Palaeontographica, Bd. 48, S. 91—136, 1901.

24. FRECH, F. Lethaea Geognostica, Lethaea palaeozoica, Bd. II, Berlin, 1897—1902.

25. GERTH, H. Beiträge zur Palaeontologie und Stratigraphie des indischen Archipels. Leidsche Geol. Mededeelingen, Deel 2, p. 223—230, 1 pl., 1927.

26. GÜRICH, G. Ueber ein neues Vorkommen von Lias und oberen Jura auf der Insel Rotti bei Timor in Ost Indien und über einen Fund von diluvialen Knochen aus der Thongrube von Münsterberg. Schlesische Gesellschaft für Vaterlandische Cultur, 70ster Jahresbericht 1892, Sitzungen der naturw. Section im Jahre 1892, S. 16—18, 1893.

27. HANIEL, C. A. Ammoniten aus dem Perm der Insel Letti. Jaarb. v. h. Mijnwezen in Ned. Oost-Indië, 43e jaarg., 1914. Verhandelingen I, p. 163—165, 1 pl.

28. HANIEL, C. A. Die Cephalopoden der Dyas von Timor. Paläontologie von Timor, Lief. 3, 1915. (Anhang. Untertriadische Ammoniten von Kaslioe).

29. HOTZ, W. Vorläufige Mitteilung über geologische Beobachtungen in Ost Celebes. Zeitschrift der deutsche Geol. Gesellschaft. Bd. 65, 1913. Monatsber. 329—334.

30. HUMMEL, K. Die Oxford-Tuffite der Insel Buru und ihre Fauna. Palaeontographica. Supplement 4, IIIe Abt., Lief. 4, 1903, S. 113—184 mit 1 Taf.

31. JAWORSKI, E. Die Fauna der Obertriadischen Nuculamergel von Misol. Paläontologie von Timor, Lief. 2, 1915.

32. JAWORSKI, E. Ein Beitrag zur Kenntnis des untersten Doggers von Taliabu (Sula-Inseln). Jaarboek van het Mijnwezen in Ned. Oost-Indië, 49e jaarg. voor 1920, p. 191—206, 1 pl.

33. JAWORSKI, E. Ueber Arnioceras geometricum Opp. 1856 und verwandte Spezies; nebst einem Anhang über Ammonites natrix v. Schloth, 1820. Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie. Beilage Band 65, 1931, S. 83—140 met 6 Tafeln.

34. KIESLINGER, A. Die Nautiloiden der mittleren und oberen Trias von Timor, Jaarb. van het Mijnwezen in Ned. Oost-Indië. Verhandelingen, 41e Jaargang voor 1922, p. 51—145, 1924.

35. KLEIN, W. C. Een vermoedelijk Devonische Trilobieten fauna in Ned. Indië nabij Kaloeë (afd. Tamiang, Z.O. Atjeh). Verslagen Kon. Akad. van Wetenschappen, Deel 24, 1916, p. 1080—1084.

36. KLEIN, W. C. On a Trilobite Fauna of presumably Devonian age in the Dutch East Indies near Kaloeë (Tamiang district, S.E. Atjeh). Proceedings Koninklijke Akademie, Vol. 18, 2 part, pp. 1632—1636, 1916.

39. KOSSMAT, F. Bemerkungen über die Ammoniten aus den Asphaltschiefern der Bara-Bai (Buru). Neues Jahrbuch für Mineralogie etc., 1906. Beilage Band 22, S. 686—691.

38. KRAUSE, P. G. Ueber Lias von Borneo. Jaarboek van het Mijnwezen in Ned. Oost-Indië, 25e Jaargang 1896. Wetenschappelijk Gedeelte, blz. 28—42.

39. KRAUSE, P. G. Die Auffindung von Lias im nordwestlichen Borneo. Zeitschrift der Deutsch. Geol. Gesellschaft. Bd. 48, p. 218—219, 1896.

40. KRAUSE, P. G. Ueber Lias von Borneo. Sammlungen des Geol. Reichs-Museums in Leiden. Scrie I, Bd. 5, p. 154—168, 1896.

41. KRAUSE, P. G. Ueber tertiäre, cretaceische und ältere Ablagerungen aus West Borneo. Sammlungen des Geol. Reichs-Museums in Leiden, Serie I, Bnd. V, p. 167—220, 1897.

42. KRAUSE, P. G. Ueber tertiäre, cretaceische und ältere Ablagerungen aus West-Borneo. Jaarboek van het Mijnwezen in Nederlandsch Oost-Indië, 28e Jaargang 1899. Wetenschappelijk Gedeelte, blz. 1—52.

43. KRAUSE, P. G. Die fauna von Temojoh in West Borneo. Sammlungen des Geol. Reichs-Museums in Leiden. Serie I, Bnd. 7, p. 1—28, pl. 1, 2, 1902.

44. KRAUSE, P. G. Ueber unteren Lias von Borneo. Sammlungen des Geol. Reichs-Museums in Leiden. Serie I, Bnd. 9, p. 77—83, pl. 7, 1911.

45. KROL, L. H.—De mesozoische plooiingen op Borneo, Nederlandsch-Indië en omgeving en hunne waarde voor het karteeren van onbekende, fossiellooze gebieden. De Mijningenieur, 11e Jaargang 1930, blz. 68—92 met 6 kaarten en 1 profiel.

46. KRUIZINGA, P. De belemnieten uit de jurassische afzettingen van de Soela eilanden. Jaarboek van het Mijnwezen in Nederlandsch Oost-Indië, 49e jaargang 1920. Verhandelingen 2e gedeelte, pp. 159—189, 1921.

47. KRUIZINGA, P. Ammonieten en eenige andere fossielen uit de jurassische afzettingen der Soela-eilanden. Jaarboek van het Mijnwezen in Ned. Oost-Indië, 1925. Verhandelingen I, p. 11—85, 14 pl., 16 Textfig., 1926.

48. KRUMBECK, L. Kurze vorläufige Mitteilung über eine neue Obertriadischen Fauna aus den Molukken. Centralbl. f. Mineral. Geol. u. Pal. 1909, S. 561—562.

49. KRUMBECK, L. Obere Trias von Buru und Misol etc. (I, Die Fogischichten und Asphaltschiefer West-Burus und der Athyridenkalk des Misol-Archipels). Palaeontographica, Supplement IV, 2e Abt, 1e Lief., 1913.

50. KRUMBECK, L. Zur Kenntnis des Juras der Insel Rotti. Nederl. Timor Exped. III. Jaarb. v. h. Mijnwezen, 1920. Verhandelingen 3, S. 107—220, 1922.

51. KRUMBECK, L. Zur Kenntnis des Juras der Insel Timor, sowie des Aucellen-Horizontes von Seram und Buru. Paläontologie von Timor, Lief. 12, 1923.

52. KRUMBECK, L. Die Brachiopoden, Lamellibranchiaten und Gastropoden der Trias von Timor. II. Paläontol. Teil. Paläontologie von Timor, Lief. 13, 1924.

53. KUTASSI, A. Triadische Fossilien von Portugiesischen Timor. Verhandelingen van het Geol. Mijnbouwk. Genootschap voor Ned. en Koloniën, deel 9, p. 49—56, 1 pl., 1931.

54. MARTIN, K. Die Tertiärschichten auf Java, Leiden, 1879—'80.

55. MARTIN, K. Die Versteinerungsführende Sedimente Timors. Sammlungen des Geol. Reichs-Museums in Leiden. Serie I, Bnd. 1, p. 1—64, 1881.

56. MARTIN, K. Die Versteinerungsführende Sedimente Timors. Jaarboek v. h. Mijnwezen in Ned. Oost-Indië, 11e jaargang, 1882, Wetenschappelijk Gedeelte, blz. 71—136.

57. MARTIN, K. Die Fauna der Kreideformation von Martapoera. Jaarboek van het Mijnwezen, 18e jaarg. 1889, Wetenschappelijk Gedeelte, p. 1—74.

58. MARTIN, K. Die Fauna der Kreideformation van Martapoera. Sammlungen der Geol. Reichs-Museums in Leiden. Serie I, Bnd. IV, p. 126—127, 1889.

59. MARTIN, K. Neues über das Tertiär von Java und die mesozoischen Schichten von West-Borneo. Jaarboek van het Mijnwezen in Nederlandsch Oost-Indië, 24e Jaargang 1895, Wetenschappelijk Gedeelte, blz. 85—114.

60. MARTIN, K. Neues über das Tertiär von Java und die mesozoischen Schichten von West-Borneo. Sammlungen des Geol. Reichs-Museums in Leiden. Serie I, Bnd. 5, p. 23—51, 1895.

61. MARTIN, K. Notiz über den Lias von Borneo. Jaarboek v. h. Mijnwezen in Ned. Oost-Indië, 27e Jaarg. 1898, Wetenschappelijk Gedeelte, blz. 33—36.

62. MARTIN, K. Notiz über den Lias von Borneo. Sammlungen des Geol. Reichs-Museums in Leiden. Serie I, Bd. 5, p. 253—256, 1898.

63. MARTIN, K. Aptychenkalk von Buru. Zeitschrift der deutsch. geol. Gesellschaft, Bd. 52, 1900. Verh. d. Ges., S. 9.

64. MARTIN, K. Reisen in den Molukken, in Ambon, den Uliassern, Seram (Ceram) und Buru. Geol. Teil, Leiden 1903.

65. MARTIN, K. Palaeozoische, mesozoische und känozoische Sedimente aus dem Südwestlichen Neu-Guinea. Sammlungen des Geol. Reichs-Museums in Leiden. Serie I, Bnd. 9, p. 84—107, 1911.

66. MARTIN, K. Unsere palaezoölogische Kenntnis von Java. Leiden, 1919.

67. MARTIN, K. Ein neues Argonautiden-Geschlecht von Sumatra. Leidsche Geologische Mededeelingen, Deel 3, 1929, blz. 221—226.

68. MUSPER, A. F. R. Beknopt verslag over de uitkomsten van nieuwe geologische onderzoekingen in de Padangsche Bovenlanden. Jaarboek van het Mijnwezen in Nederlandsch Oost-Indië, 58e jaarg. 1929, pp. 265—331, 1930.

69. NEWTON, R. BULLEN. Notes on some Jurassic shells from Borneo, including new species of Trigonia. Proceeding of the Malacological Society, Vol. V, part. 6, 1903, p. 403—409.

70. PAKUCKAS, C. Nachtrag zur Mittel- und obertriassischen Fauna der Ammonea trachyostraca C. Dieners aus Timor mit Einleitung und stratigraphischer Zusammenfassung von G. v. Arthaber. Jaarboek v. h. Mijnwezen, 56e jaarg. 1927. Verh. 2e ged., 1928.

71. ROEMER, FERD. Ueber eine Kohlenkalk-Fauna der Westküste von Sumatra. Palaeontographica, Band 27, 1880, S. 1—11, mit 3 Taf.

72. ROEMER, FERD. Ueber eine Kohlenkalk-Fauna der Westküste von Sumatra. Jaarboek van het Mijnwezen in Nederlandsch Oost-Indië, 10e Jaargang 1881, 1e deel.

73. ROGGEVEEN, P. M. Jura op het eiland Soemba. Verhandelingen Koninklijke Akademie van Wetenschappen, deel 37, blz. 674—676.

74. ROGGEVEEN, P. M. Jurassic on the island Sumba. Proceedings Kon. Akademie, Vol. 32, 1929, pp. 512—514.

75. ROTHPLETZ, A. Die Perm, Trias und Jura Formation auf Timor und Rotti. Palaeontographica 1892, Bd. 39, S. 57—106.

76. ROTHPLETZ, A. Die Perm-, Trias- und Jura-Formation auf Timor und Rotti im Indischen Archipel. Jaarboek van het Mijnwezen, 23e Jaargang 1894, Wetenschappelijk Gedeelte, p. 5—98.

77. RUMPHIUS, G. F. d'Amboinsche ratiteit-kamer, Amsterdam 1705.

78. SMITH, J. PERRIN. Permian ammonoids of Timor. Jaarboek van het Mijnwezen in Ned. Oost Indië, 25e Jaarg. 1926. Verhandelingen, 1e gedeelte.

79. SOERGEL, W. Lias und Dogger von Jefbie und Fialpopo (Misol Archipel). Neues Jahrbuch f. Min. etc. Beil. Band 36, 1913, p. 586—650 mit 4 taf. und 12 Textfig.

80. SOERGEL, W. Unterer Dogger von Jefbie (Misol Archipel). Zeitschrift der Deutsch. Geol. Gesellschaft, Bd. 67, 1915. Monatsber. 99—109.

81. STOLLEY, E. Ueber Ostindische Jura-Belemniten. Palaeontologie von Timor, Lief. 16, 1929.

82. TOBLER, A. Voorloopige mededeeling over de geologie der residentie Djambi. Jaarboek v. h. Mijnwezen in Ned. Oost-Indië, 39e Jaarg. 1910. Verhandelingen, p. 1—29.

83. TOBLER, A. Djambi-verslag. Uitkomsten van het geologisch Mijnbouwkundig onderzoek in de residentie Djambi, 1906—1912. Jaarboek van het Mijnwezen in Ned. Oost-Indië, 46e Jaarg. 1919. Verh. deel 3, 1922.

84. VERBEEK, R. D. M. Molukken-verslag. Geologische Verkenningstochten in het Oostelijk gedeelte van den Ned. Oost-Indischen Archipel. Jaarboek van het Mijnwezen in Ned. Oost-Indië, 37e Jaarg. 1908, p. 660—675. (Edition française: Rapport sur les Moluques).

85. VOGEL, FR. Mollusken aus dem Jura von Borneo. Jaarboek van het Mijnwezen in Ned. Oost-Indië, 25e Jaarg. 1896, Wetenschappelijk Gedeelte, blz. 1—27.

86. VOGEL, F'R. Mollusken aus dem Jura von Borneo. Leidsche Geologische Mededeelingen, Deel 5, p. 127—151, 1896.

87. WANNER, J. Triaspetrefacten der Molukken und des Timor Archipels. Geol. Mitt. aus dem Indo-Australischen Archipel v. G. Boehm, IV, Neues Jahrbuch f. Min. etc. Beil. Band 24, p. 161—220 with 6 plates, 1907.

88. WANNER, J. Beiträge zur geologischen Kenntnis der Insel Misol. (Niederländisch Ost Indien), Tijdschrift v. h. Kon. Nederl. Aardr. Genootschap, 2e Serie, Deel 27, 1910, pp. 469—500.

89. WANNER, J. Neues über die Perm-, Trias- und Jura-formation des Indo-Australischen Archipels. Centralblatt für Miner. etc. 1910, S. 736—741.

90. WANNER, J. Ergebnisse einer im Jahre 1909 ausgeführten Reise durch den Ostlichen Teil des Indo-Australischen Archipels. Centralblatt für Miner. etc. 1910, S. 137—147.

91. WANNER, J. Triascephalopoden von Timor und Rotti. Neues Jahrbuch f. Min. etc. Beil. Bnd. 32, p. 177—196 with 2 pl., 1911.

92. WANNER, J. Zur Geologie der Inseln Obimajora und Halmahera in den Molukken. Neues Jahrbuch für Mineralogie, Geologie und Paläontologie. Beilage Band 36, 1913, S. 560—585. (Mitteilung von G. Boehm).

93. WANNER, J. Beiträge zur Geologie der Insel Buru. Palaeontographica, Supplement 4, Abt. 3, Lief. 3, 1922, S. 58—112.

94. WANNER, J. Ueber einige Juvaviten von Ceram (Molukken). Wetenschappelijke Mededeelingen No. 10, Dienst van den Mijnbouw in Ned. Indië, 1928, p. 37—42, 1 pl.

95. WELTER, O. A. Die Obertriadischen Ammoniten und Nautiliden von Timor, Paläontologie von Timor, Lief. 1, 1914.

96. WELTER, O. A. Die Ammoniten und Nautiliden der ladinischen und anisischen Trias von Timor. Paläontologie von Timor, mit Nachtrag von J. Wanner, Lief. V, 1915.

97. WELTER, O. A. Bemerkungen über die von Deniger gesammelten Ammoniten und Nautilidenreste von Seran. Palaeontographica, Supplement 4, IIIe Abt., Lief. 4, 1923, S. 245.

98. WELTER, O. A. Die Ammoniten der Unteren Trias von Timor. Paläontologie von Timor, Lief. XI, 1922.

99. WICHMANN, A. Geologische Ergebnisse der Siboga-Expedition. Uitkomsten op zoölogisch, botanisch, oceanographisch en geologisch gebied, verzameld in Nederlandsch Oost-Indië 1899—1900, aan boord van H. M. Siboga onder commando van Luitenant ter Zee 1e Kl. G. F. Tydeman. (Siboga-Expeditie), Monographie LXVI. Leiden, 1925.

100. ZWIERZYCKI, J. Geologische Overzichtskaart van den Nederlandsch Oost-Indischen Archipel. Schaal 1: 100000. Toelichting bij blad 1 (Noord Sumatra). Jaarboek van het Mijnwezen in Nederlandsch Oost-Indië. 48e Jaargang, 1919. Verh. 1e gedeelte, 1922, blz. 11—71.

101. ZWIERZYCKI, J. Olie in de Trias op Boeton. De Mijningenieur, 6e jaarg. 1925, p. 15.

102. WANNER, J. und JAWORSKI, E. Liasammoniten von Jamdena und Celebes. Neues Jahrb. f. Min. usw. Beil. Bd. 66, Abt. B. 1931, S. 199—209, Tafel 19.

103. SCHINDEWOLF, O. H. Ueber den Ammoniten-Sipho. Sitzungsberichten der Pr. Geol. Landesanstalt. Heft. 6, S. 197—209, Taf. 5, 1031.

104. SPATH, F. L. The Eotriassic invertebrate Fauna of East Greenland. Meddel. om Grönland, 83, 1930. (Extract).