

**New species and records of Agathidiini from Nepal (Coleoptera, Leiodidae)**

(With 14 figures)

FERNANDO ANGELINI, Francavilla Fontana

**Summary**

Records and/or descriptions are given for 51 species, 270 specimens of Agathidiini from Nepal, deposited in the Naturkundemuseum Erfurt, Staatliches Museum für Naturkunde Stuttgart, Mr. A. Weigel's collection (Pöbneck), and in the collection of the author. New species are: *Agathidium (Agathidium) plumbeum* n. sp., *A. (A.) connexum* n. sp., *A. (A.) pothanaense* n. sp. New record for Nepal is: *Agathidium (Microceble) maculicolle* Champion.

**Zusammenfassung**

Es werden Funde von 51 Arten der Tribus Agathidiini (Coleoptera, Leiodidae) aus Nepal aufgeführt, die in den Sammlungen des Naturkundemuseums Erfurt, des Staatlichen Museums für Naturkunde Stuttgart und in den Sammlungen Weigel (Pöbneck) und des Autors vorhanden sind. Die Art *Agathidium (Microceble) maculicolle* Champion wurde neu für Nepal nachgewiesen und drei weitere Arten werden neu beschrieben: *Agathidium (Agathidium) plumbeum* n. sp., *A. (A.) connexum* n. sp., *A. (A.) pothanaense* n. sp.

Key words: Leiodidae, Agathidiini, Nepal, Himalaya, new species, new records

**Introduction**

A large amount of new data on the Agathidiini fauna of Nepal results from a study of the material, 51 species and 270 specimens, deposited in the Naturkundemuseum Erfurt, Staatliches Museum für Naturkunde Stuttgart, Mr. Weigel's collection and Mr. Angelini's collection.

The new data concern:

a) Three new species: *Agathidium (Agathidium) plumbeum* n. sp., *A. (A.) connexum* n. sp., *A. (A.) pothangense* n. sp.

b) One new record for Nepal: *Agathidium (Microceble) maculicolle* Champion.

For the methods of diagnosis and measurements see ANGELINI & DE MARZO (1981).

The specimens are deposited in the Naturkundemuseum Erfurt (NME), Staatliches Museum für Naturkunde Stuttgart (SMNS), Mr. A. Weigel's collection (WC) and Mr. Angelini's collection in Genova Natural History Museum (AC-GNHM).

I am indebted to Mr. Matthias Hartmann (Naturkundemuseum Erfurt), Dr. Wolfgang Schawaller (Staatliches Museum für Naturkunde Stuttgart) and Mr. Andreas Weigel (Pöbneck) for making the material available for studying and Jonathan Cooter for comments on the earlier version of the manuscript.

**Faunistical und taxonomical notes****Genus *Anisotoma* Panzer, 1797*****Anisotoma martensi* Ang. & Dmz., 1994**

- Stuttgarter Beitr. Naturk., Ser. A., Nr. 505: 2, 45.

**Material:** Nepal, Myagdi distr., Myagdi Khola Bobang, 2400 m, 25.V.1995, leg. Martens & Schawaller, 2 ex. (SMNS); Myagdi distr., Myagdi Khola, N Dobang, Dolakha distr., SW Kalinchok Mt., 3100 m, 19.-23.IV.1995, leg. Martens & Schawaller. 2 ex. (SMNS, AC-GNHM).

**Distribution:** Nepal.

**Genus *Liodopria* Reitter, 1909*****Liodopria nepalensis* Ang. & Dmz., 1994**

- Stuttgarter Beitr. Naturk., Ser. A., Nr. 505: 3, 45

**Material:** Nepal, Sankhuwasabwa distr., Arun Valley betw. Mure and Furure, 2050 - 2150 m, 9-17.VI.1988, leg. Martens & Schawaller, 1 ex. (SMNS); Solukhumbu distr., Hinku Drangka Khola bridge, 2000 m, 18.-19.V.1997, leg. Schawaller, 1 ex. (AC-GNHM).

**Distribution:** Nepal.

## Genus *Stethliodes* Fall, 1910

### *Stethliodes reticulata* Ang. & Dmz., 1987

- Rev. suisse Zool., 94 (1): 7; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 45.

**Material:** Nepal, Myagdi distr., Myagdi Khola, N Dobang, 2800 - 3100 m, 22.-24.V.1995, leg. Martens & Schawaller, 5 exx. (SMNS, AC-GNHM).

**Distribution:** Nepal.

### *Stethliodes schawalleri* Ang. & Dmz., 1994

- Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 5, 45.

**Material:** Nepal, Dolakha distr., SW Kalinchok Mt., 3100 m, 19.-23.IV.1995, leg. Martens & Schawaller, 2 exx. (SMNS, AC-GNHM); Solukhumbu distr., Sonam, 2700 - 2800 m, 22.-23.V.1997, leg. Schawaller, 1 ex. (AC-GNHM).

**Distribution:** Nepal.

## Genus *Agathidium* Panzer, 1797

### Subgenus *Agathidium* Panzer, 1797

#### *madurensis* - group

### *Agathidium (Agathidium) cf. khasicum* Ang. & Dmz., 1984

- *Agathidium (Agathidium) khasicum* Angelini & De Marzo, 1984, Rev. suisse Zool., 91 (3): 555; 1986, Rev. suisse Zool., 93 (2): 431; 1986, Rev. suisse Zool., 93 (4): 840; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 48.

**Material:** Nepal, Karnali prov., Chautia Sinja Khola, 2600 - 2800 m, 25.VI.1995, leg. Ahrens & Pommeranz, 1 ex. (NME) (tentative determination based on female exx.).

**Distribution:** Nepal, India (Darjeeling, Meghalaya).

### *Agathidium (Agathidium) brahmano* Ang. & Dmz., 1986

- Rev. suisse Zool., 93 (2): 430; 1987, Courier Forsch.-Inst. Senckenberg, 93: 457; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 48.

**Material:** Nepal, Annapurna, Krapa Danda, 1800 m, 26.V.1997, leg. Schmidt, 1 ex. (NME).

**Distribution:** Nepal, India (Assam).

### *Agathidium (Agathidium) plumbeum* n. sp.

(Figs. 3, 6, 13, 14)

Length 2,35 mm (holotype male).

Dorsum black; mesosternum testaceous, metasternum dark reddish brown; antennae testaceous with club black; legs reddish-brown. Microreticulation in traces or superficial on whole dorsum; punctura-

tion fine and sparse on head and pronotum, absent on elytra. Sutural striae absent.

**Head:** Microreticulation in traces; punctures small, superficial, separated from each other by 6 - 10 times of their own diameter. Widest at eyes; eyes slightly emarginate; clypeal line absent. 3rd antennal segment twice as long as 2nd and shorter than 4th+5th together.

**Pronotum:** Microreticulation very superficial; punctures larger and more clearly impressed than those on the head, separated from each other by 1 - 15 times of their diameter. 1,66 times as broad as head, moderately broader than long (width/length = 1,66) and very convex (width/height = 1,41); anterior margin weakly curved; lateral outline broadly rounded. Measurements of pronotum of holotype: length 0,68 mm, width 1,13 mm and height 0,80 mm.

**Elytra:** Microreticulation superficial and uniform; puncturation absent. Slightly broader than the pronotum, a little broader than long (width/length = 1,09) and moderately convex (width/height = 1,76); lateral outline with humeral angle very broadly rounded. Measurements of elytra of holotype: length 1,10 mm, width 1,20 mm and height 0,68 mm. Metathoracic wings present.

**Meso- and metasternum:** Median carina sharp, lateral lines absent, femoral lines incomplete, occupying 3/4 the width of metasternum, rounded at middle.

**Legs:** Male hind femora rounded at posterior margin (fig. 6).

**Tarsal formula:** Male 5-5-4, female unknown.

**Aedeagus** as in figures 13, 14.

**Holotype:** Male, Nepal, Kathmandu distr., Phulchoki, 2600-2700 m, leg. Franz (AC-GNHM).

**Discussion:** *Agathidium plumbeum* n. sp. is similar to *A. wheeleri* Ang. (from Malaya and Sumatra); it differs in greater length, ratio 3rd/2nd antennal segments, in shape of male metafemora, rounded at posterior margin, less body length, colour of antennal club, presence of microreticulation on elytra and differences in genitalia.

**Distribution:** Nepal.

#### *seminulum* - group

### *Agathidium (Agathidium) ausobskyi* Ang. & Dmz., 1983

- Senckenbergiana biol., 64 (1/3): 161; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 48.

**Material:** Nepal, Kaski distr., above Pothana, 2000 m, 27 - 29.IV.1995, leg. Martens & Schawaller, 4

exx. (SMNS, AC-GNHM); Annapurna, Mt. Panchhase, W Pokhara, 2000 - 2300 m, 18.V.1997, leg. Schmidt, 9 exx. (NME, AC-GNHM).

**Distribution:** Nepal.

***Agathidium (Agathidium) barahbisense* Ang. & Dmz., 1985**

- Rev. suisse Zool., 92 (1): 51; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 48; Angelini, 1996, Stuttgarter Beitr. Naturk., ser. A, Nr. 546:4.

**Material:** Nepal, Dolakha distr., SW Kalinchok Mt., 3100 m, 19 - 23.IV.1995, leg. Martens & Schawaller, 4 exx. (SMNS, AC-GNHM); Karnali prov., Jumla distr., 10 km E Churta, 3500 m, 5. - 6.V.1995, leg. Hartmann, 1 ex. (NME); same locality, 18.V.1995, leg. Weigel, 1 ex. (WC); Solukhumbu distr., Goyom above Sete, 3100 m, 10.V.1997, leg. Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal.

***Agathidium (Agathidium) brunneum* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 233; 1983, Senckenbergiana biol., 64 (1/3): 166; 1986, Rev. suisse Zool., 93 (4): 849; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 48; Angelini & Cooter, 1986, Ent. monthly Mag., 122:37.

**Material:** Nepal, Parbat distr., betw. Deorali and Chitre, 2700 m, 1. - 2.V.1995, leg. Martens & Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal, India (Kashmir).

***Agathidium (Agathidium) concolor* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 246; 1986, Rev. suisse Zool., 93 (4): 848; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 48.

**Material:** Nepal, Annapurna Mts., Krapa Danda, 1800 m, 26.V.1997, leg. Schmidt, 2 exx. (NME, AC-GNHM).

**Distribution:** Nepal.

***Agathidium (Agathidium) dargharicum* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 220; 1983, Senckenbergiana biol., 64 (1/3): 158; 1983, Entomologica, 18: 8; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 12, 48.

**Material:** Nepal, Karnali prov., Jumla distr., Gothichaur, 2 km W, 2850 m, 8.VI.1997, leg. Hartmann, 1 ex. (NME); Karnali prov., Jumla distr., Gothichaur valley, Wald, 2900 - 3800 m, 11.VI.1997, leg. Hartmann, 1 ex. (AC-GNHM).

**Distribution:** Nepal.

***Agathidium (Agathidium) fulungense* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 236; 1983, Senckenbergiana biol., 64 (1/3): 166; 1987, Courier Forsch.- Inst. Senckenberg, 93: 458; 1989, Rev. suisse Zool., 96 (1): 27; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 48; Angelini, 1996, Stuttgarter Beitr. Naturk., Ser. A, Nr. 546: 4 (sub *Agathidium barahbisense* Ang. & Dmz.).

**Material:** Nepal, Parbat distr., betw. Deorali and Chitre, 2700 m, 1. - 2.V.1995, leg. Martens & Schawaller, 1 ex. (SMNS); Myagdi distr., N of Bega Deorali, 2400 m, 16. - 17.V.1995, leg. Martens & Schawaller, 3 exx. (SMNS); Karnali prov., Jumla distr., 2 km E Churta, Wiese, 3100 m, 19.V.1995, leg. Hartmann, 1 ex. (NME); Jumla distr., Talphi, NE Maharigaon, 3300 m, 20.VI.1997, leg. Weigel, 2 exx. (NME,WC); Karnali prov., Jumla distr., Gothichaur Khola, SE, 3400 - 3600 m, 10.VI.1997, leg. Weigel, 1 ex. (WC); Jumla distr., 3 km E Churta, Waldwiese, 3400 m, 6.VI.1997, leg. Weigel, 1 ex. (WC); Karnali prov., Jumla distr., Gothichaur, 2 km W, 2850 m, 8.VI.1997, leg. Hartmann, 1 ex. (NME); Karnali prov., Jumla distr., Gothichaur valley, Wald, 2900 - 3800 m, 11.VI.1997, leg. Hartmann, 2 exx. (NME); Annapurna, Mt. Panchhase, W Pokhara, 2000 - 2300 m, 26.V.1997, leg. Schmidt, 1 ex. (NME); Jumla distr., Ghurki-Lagna Pass, 3500 m, 14.VI.1998, leg. Schawaller, 8 exx. (SMNS, AC-GNHM).

Tentative determination based on female exx.: Annapurna, Krapa Danda, 1800 m, 26.V.1997, leg. Schmidt, 2 ex. (NME); Karnali prov., Jumla distr., Dolpo, Bavaria Lagna pass, 3200 - 3800 m, 6.VI.1997, leg. Hartmann, 1 ex. (NME).

**Distribution:** Nepal, India (Himachal Pradesh).

***Agathidium (Agathidium) glaciale* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 235; 1983, Entomologica, 18: 9; 1986, Rev. suisse Zool., 93 (4): 851; 1987, Courier Forsch. Inst. Senckenberg, 93: 257; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 15, 48.

**Material:** Nepal, Karnali prov., Jumla distr., 10 km E Churta, 3500 m, 18.V.1995, leg. Weigel, 1 ex. (WC); Karnali prov., Jumla distr., 5 km E Churta, 3400 m, 5.V.1995, leg. Weigel, 1 ex. (NME).

**Distribution:** Nepal.

***Agathidium (Agathidium) ilamense* Ang. & Dmz., 1983**

- Senckenbergiana biol., 64 (1/3): 159; 1987, Courier Forsch. Inst. Senckenberg, 93: 457.

**Material:** Nepal, Solukhumbu distr., Sanam, 2700 -

2800 m, 22. - 23.V.1997, leg. Schawaller, 1 ex. (SMNS); Solukhumbu distr., Nashing Dingma, W Surkie La, 2700 m, 20.V.1997, leg. Schawaller, 4 exx. (SMNS, AC-GNHM), Solukhumbu distr., Pangkongma La, 3000 m, 17.V.1997, leg. Schawaller, 3 exx. (SMNS, AC-GNHM).

**Distribution:** Nepal.

***Aganthidium (Agathidium) johnsoni* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 231; 1983, Senckenbergiana biol., 64 (1/3): 164; 1986, Rev. suisse Zool., 93 (4): 846; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 49.

**Material:** Nepal, Myagdi distr., N of Bega Deorali, 2400 m, 16. - 17.V.1995, leg. Martens & Schawaller, 10 exx. (SMNS, AC-GNHM); Mustang distr., right bank of Lethe Khola near Lethe, 2400 m, 5. - 7.V.1995, leg. Martens & Schawaller, 2 exx. (SMNS); Myagdi distr., Myagdi Khola Dobang, 2400 m, 25.V.1995, leg. Martens & Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal.

***Agathidium (Agathidium) microreticulatum* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 226; 1985, Rev. suisse Zool., 92 (1): 45; 1987, Courier Forsch.-Inst. Senckenberg, 93: 457; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 49.

**Material:** Nepal, Mustang distr., Purano Marpha, 3200 m, 9. - 11.V.1995, leg. Martens & Schawaller, 2 exx. (SMNS, AC-GNHM).

**Tentative determination:** Kaski distr., above Pothana, 2000 m, 27. - 29.IV.1995, leg. Martens & Schawaller, 1 ex. (SMNS); Karnali prov., Jumla distr., Gothichaur, 2 km W, 2800 m, 8.VI.1997, leg. Hartmann, 1 ex. (NME); Solukhumbu distr., above Pangum, 2900 - 3000 m, 16.V.1997, leg. Schawaller, 3 exx. (SMNS, AC-GNHM).

**Distribution:** Nepal.

***Agathidium (Agathidium) cf. nivale* Ang. & Dmz., 1981**

- *Agathidium (Agathidium) nivale* Ang. & Dmz., 1981, Ent. Basiliensia, 6: 223; 1983, Senckenbergiana biol., 64 (1/3): 159; 1983, Ent. Basiliensia, 8: 156; 1985, Rev. suisse Zool., 92 (1): 45; 1989, Rev. suisse Zool., 96 (1): 26; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 12, 49.

**Material:** Nepal, Parbat distr., betw. Deorali and Chitre, 2700 m, 1. - 2.V.1995, leg. Martens & Schawaller, 1 ex. (SMNS) (Tentative determination based on female exx.).

**Distribution:** Nepal.

***Agathidium (Agathidium) parbaticum* Ang. & Dmz., 1983**

- Senckenbergiana biol., 64(1/3): 164; 1986, Rev. suisse Zool., 93(4): 848; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 49.

**Material:** Nepal, Karnali prov., Jumla distr., 10 km E Churta, 3500 m, 5. - 6.V.1995, leg. Hartmann, 1 ex. (NME); Karnali prov., Dolpa distr., Pass NW Chaurikot, 3800 m, 17.V.1995, leg. Weigel, 1 ex. (WC).

**Distribution:** Nepal.

***Agathidium (Agathidium) substriatum* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 230; 1986, Rev. suisse Zool., 93 (4): 844; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 49.

**Material:** Nepal, Parbat distr., betw. Deorali and Chitre, 2700 m, 1. - 2.V.1995, leg. Martens & Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal.

***Agathidium (Agathidium) thochungense* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 222; 1985, Rev. suisse Zool., 92 (1): 49; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 49.

**Material:** Nepal, Kaski distr., above Pothana, 2000 m, 27. - 29.IV.1995, leg. Martens & Schawaller, 3 exx. (SMNS, AC-GNHM).

**Distribution:** Nepal.

***atrum* - group**

***Agathidium (Agathidium) dinguaricum* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 248; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 49.

**Material:** Nepal, Ramechap distr., Mohabir Khola E Shivaluya, 2500 - 2600 m, 6. - 7.V.1997, leg. Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal.

***Agathidium (Agathidium) fallax* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 241; 1981, Senckenberiana biol., (1/3): 167; 1984, Rev. suisse Zool., 91 (3): 552; 1984, Annals hist.-nat. Mus. natn. Hung., 76: 165; 1987, Courier Forsch.-Inst. Senckenberg, 93: 458; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 15, 49.

**Material:** Nepal, Ilam distr., Mai Pokhari, 2100 - 2200 m, 9. - 10.IV.1988, leg. Martens & Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal.

***Agathidium (Agathidium) sadhu* Ang. & Dmz., 1983**

- Senckenbergiana biol., 64 (1/3): 167; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 49.

**Material:** Nepal, Kaski distr., above Pothana, 2000 m, 27. - 29.IV.1995, leg. Martens & Schawaller, 17 exx. (SMNS, AC-GNHM); Annapurna, Mt. Panchhase, W Pokhara, 2000 - 2300 m, 18.V.1997, leg. Schmidt, 3 exx. (NME, AC-GNHM); Solukhumbu distr., Hinku Drangka Khola bridge, 2000 m, 18. - 19.V.1997, leg. Schawaller, 1 ex. (SMNS).  
**Distribution:** Nepal.

***laevigatum* - group**

***Agathidium (Agathidium) circumflexum* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 259; 1983, Senckenbergiana biol., 64 (1/3): 172; 1989, Rev. suisse Zool., 96 (1): 30; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 16, 49.

**Material:** Nepal, Dolakha distr., SW Kalinchok Mt., 3100 m, 19. - 23.IV.1995, leg. Martens & Schawaller, 7 exx. (SMNS, AC-GNHM).  
**Distribution:** Nepal.

***Agathidium (Agathidium) doboticum* Ang. & Dmz., 1985**

- Rev. suisse Zool., 92 (1): 62; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 49.

**Material:** Nepal, Solukhumbu distr., Goyom above Sete, 3100 m, 10.V.1997, leg. Schawaller, 4 exx. (SMNS, AC-GNHM); Solukhumbu distr., Sanam, 2700 - 2800 m, 22. - 23.V.1997, leg. Schawaller, 3 exx. (SMNS, AC-GNHM); Solukhumbu distr., below Pangum, 2500 m, 14. - 15.V.1997, leg. Schawaller, 2 exx. (SMNS, AC-GNHM).  
**Distribution:** Nepal.

***Agathidium (Agathidium) franzi* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 260; 1983, Senckenbergiana biol., 64 (1/3): 172; 1986, Rev. suisse Zool., 93 (4): 854; 1987, Courier Forsch.-Inst. Senckenberg, 93: 458; 1989, Rev. suisse Zool., 96 (1): 30; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 50.

**Material:** Nepal, Mustang distr., right banks of Lethe Khola near Lethe, 2400 m, 5.-7.V.1995, leg. Martens & Schawaller, 27 exx. (SMNS, AC-GNHM); Parbat distr., betw. Deorali and Chitre, 2700 m, 1. - 2.V.1995, leg. Martens & Schawaller, 2 exx. (SMNS); Myagdi distr., Myagdi Khola, Boghara, 1800 m, 26.V.1995, leg. Martens & Schawaller, 1 ex. (SMNS); Manaslu Mts., meme Pokhari

Lekh upp. Taksar vill., 2100 m, 31.VIII.1995, leg. Schmidt, 1 ex. (NME).

**Distribution:** Nepal.

***Agathidium (Agathidium) goropanicum* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 251; 1983, Senckenbergiana biol., (1/3): 168; 1986, Rev. suisse Zool., 93 (4): 852; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 50.

**Material:** Nepal, Parbat distr., betw. Deorali and Chitre, 2700 m, 1. - 2.V.1995, leg. Martens & Schawaller, 18 exx. (SNMS, AC-GNHM).  
**Distribution:** Nepal.

***Agathidium (Agathidium) himalayanum* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 213; 1983, Entomologica, 18: 12; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 50.

**Material:** Nepal, Karnali prov., Dolpo distr., Pass NW Chaurikot, 3800 m, 17.V.1995, leg. Weigel, 1 ex. (WC); Karnali prov., Jumla distr., 5 km E Churta, 3400 m, 5.V.1995, leg. Weigel, 1 ex. (AC-GNHM).  
**Distribution:** Nepal.

***Agathidium (Agathidium) lassetamense* Ang. & Dmz., 1994**

- Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 17, 50.

**Material:** Nepal, Solukhumbu distr., below Pangum, 2500 m, 14. - 15.V.1997, leg. Schawaller, 3 exx. (SMNS, AC-GNHM).  
**Distribution:** Nepal.

***Agathidium (Agathidium) martensi* Ang. & Dmz., 1983**

- Senckenbergiana biol., 64 (1/3): 170; 1983, Ent. basiliensia, 8: 160; 1984, Rev. suisse Zool., 91 (3): 552; 1987, Courier Forsch.-Inst. Senckenberg, 93: 459; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 22, 50.

**Material:** Nepal, Solukhumbu distr., Sanam, 2700 - 2800 m, 22. - 23.V.1997, leg. Schawaller, 2 exx. (SMNS, AC-GNHM); Panchthar distr., Dhorpar Kharka, 2700 m, 13. - 16.IV.1988, leg. Martens & Schawaller, 1 ex. (SMNS).  
**Distribution:** Nepal, India (Darjeeling).

***Agathidium (Agathidium) nepalense* Ang. & Dmz., 1981**

- Ent. basiliensia, 6: 216; 1983, Entomologica, 18: 15; 1986, Rev. suisse Zool., 93 (4): 863; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 50.

**Material:** Nepal, Parbat distr., betw. Deorali and Chitre, 2700 m, 2.V.1995, leg. Martens & Schawal-

ler, 3 exx. (SMNS, AC-GNHM).

**Distribution:** Nepal.

***Agathidium (Agathidium) rubrum* Ang. & Dmz., 1983**

- Entomologica, 18: 14; 1986, Rev. suisse Zool., 93 (4): 863; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 50.

**Material:** Nepal, Parbat distr., betw. Deorali and Chitre, 2700 m, 1. - 2.V.1995, leg. Martens & Schawaller, 4 exx. (SMNS, AC-GNHM). Tentative determination based on female exx.: Karnali prov., Jumla distr., Gothichaur, 2 km W, 2800 m, 8.VI.1997, leg. Hartmann, 1 ex. (AC-GNHM).

**Distribution:** Nepal.

***Agathidium (Agathidium) cf. rufifrons* Ang. & Dmz., 1985**

- *Agathidium (Agathidium) rufifrons* Ang. & Dmz., 1985, Rev. suisse Zool., 92 (1): 60; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 50.

**Material:** Nepal, Karnali prov., Jumla distr., Gothichaur, 2 km W, 2850 m, 8.VI.1997, leg. Hartmann, 1 ex. (NME) (Tentative determination based on female exx.).

**Distribution:** Nepal.

***Agathidium (Agathidium) semireticulatum* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 258; 1985, Rev. suisse Zool., 92 (1): 59; 1986, Rev. suisse Zool., 93 (4): 852; 1987, Courier Forsch.-Inst. Senckenberg, 93: 458; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 50.

**Material:** Nepal, Parbat distr., betw. Deorali and Chitre, 2700 m, 1. - 2.V.1995, leg. Martens & Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal.

***dentatum* - group**

***Agathidium (Agathidium) bidentatum* Ang. & Dmz., 1986**

- Rev. suisse Zool., 93 (4): 859; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 29, 50.

**Material:** Nepal, Ramechhap distr., Mohabir Khola E Shivalaya, 2500 - 2600 m, 6. - 7.V.1997, leg. Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal.

***Agathidium (Agathidium) connexum* n. sp.**

(Figs. 2, 5, 10 - 12)

Length 3,45 - 3,55 mm (holotype male 3,45 mm).

Dorsum reddish-brown, venter lighter; antennae uniformly testaceous; legs reddish-brown. Micro-

reticulation almost absent, present only in traces on the elytra; puncturation fine and sparse on head and pronotum, microscopic on elytra. Sutural striae absent.

**Head:** Punctures very small, superficial, separated from each other by 4 - 6 times of their own diameter. Widest at the eyes; eyes flattened (fig. 2); anterolateral margins uniformly raised; clypeus moderately emarginate; clypeal line absent. 3rd antennal segment 2,2 times as long as 2nd and longer than 4th + 5th together.

**Pronotum:** Punctures smaller and more superficial than those on the head, separated from each other by 1 - 10 times of their diameter. 1,5 times as broad as head, moderately broader than long (width/length = 1,6) and moderately convex (with/height = 1,63); anterior margin weakly curved; lateral outline broadly rounded. Measurements of pronotum of holotype: length 1,12 mm, width 1,80 mm and height 1,10 mm.

**Elytra:** Microreticulation absent, only traces. Puncturation absent, only rare microscopic punctures. Slightly narrower than the pronotum, a little broader than long (width/length = 1,06) and weakly convex (width/height = 2,07); lateral outline with humeral angle very broadly rounded. Measurements of elytra of holotype: length 1,60 mm, width 1,70 mm and height 0,82 mm. Metathoracic wings absent.

**Meso- and metasternum:** Median carina sharp, lateral lines absent, femoral lines incomplete, occupying 2/3 of the width of metasternum, rounded at middle.

**Legs:** Male hind femora with a sharp tooth at the posterior margin (fig. 5). Tarsal formula: male 5 - 5 - 4, female 5 - 4 - 4. Aedeagus as in figures 10, 11. Spermatheca as in figure 12.

**Holotype:** Male - Nepal, Jumla reg., Dzunda Khola Tal near Talphi, 3000 - 3500m, leg. Franz, in AC-GNHM.

**Paratype:** Same data as holotype, 1 female in AC-GNHM.

**Discussion:** *Agathidium connexum* n. sp. is similar to *A. paria* Ang. & Dmz. (from Nepal); it differs in shape of pronotum, less broad than long, in shape of aedeagus and in puncturation of head and pronotum.

**Distribution:** Nepal.

***Agathidium (Agathidium) fulvum* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 283; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 51.

**Material:** Nepal, Bhojpur distr., E Salpe Pass, 2800 - 3000 m, 24.V.1997, leg. Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal.

***Agathidium (Agathidium) phulchokiense* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 278; 1983, Senckenbergiana biol., 64 (1/3): 172; 1985, Rev. suisse Zool., 92 (1): 66; 1986, Rev. suisse Zool., (4): 857.

**Material:** Nepal, Dailekh distr., Talpokhari S Dailekh, 1800 m, 29.V.1997, leg. Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal.

***Agathidium (Agathidium) pothanaense* n. sp.**  
(figs. 1, 4, 7 - 9)

Length 3,1 - 3,3 mm (holotype male 3,15 mm).

Dorsum reddish-brown venter lighter; antennae uniformly testaceous; legs reddish-brown. Microreticulation absent; puncturation on whole dorsum very fine and sparse. Sutural striae absent.

**Head:** Punctures small, superficial, separated from each other by 5 - 7 times of their own diameter. Widest at eyes; eyes flattened (fig. 1); antero-lateral margins uniformly raised; clypeus emarginate, clypeal line absent. 3rd antennal segment 1,8 times as long as 2nd and as long as than 4th + 5th together.

**Pronotum:** Puncturation as on head but more sparse. 1,3 times as broad as head, moderately broader than long (W/L = 1,5) and very convex (W/H = 1,38); anterior margin slightly curved, lateral outline tightly rounded. Measurements of pronotum of holotype: length 1,00 mm, width 1,50 mm and height 1,08 mm.

**Elytra:** Punctures smaller and more superficial than those on the head, separated from each other by 2 - 5 times of their own diameter. Slightly broader than pronotum, moderately broader than long (W/L = 1,14) and weakly convex (W/L = 1,89). Lateral outline with very weak humeral angle. Measurements of elytra of holotype: length 1,35 mm, width 1,55 mm and height 0,82 mm. Metathoracic wings absent.

**Meso- and metasternum:** Median carina absent, lateral lines absent, femoral lines long, a small tubercle between the metacoxae; metasternum short, meso- and metacoxae almost touching.

**Legs:** Male hind femora rounded at the posterior margin (fig. 4). Tarsal formulae male 5-5-4; female 4-4-4.

**Aedeagus** as in figs 7, 8; Spermatheca as in fig. 9.

**Holotype:** Male - Nepal, Kaski distr., above Pothana, 2000 m, 27. - 29.IV.1995, leg. Martens & Schawaller, in SMNS.

**Paratypes:** Same data as holotype, 6 females in SMNS, 2 male and 1 female in AC-GNHM.

**Discussion:** *Agathidium pothanaense* n. sp. is similar to *A. phulchokiense* Ang. & Dmz. (from Nepal); it differs only in greater body length and in shape of aedeagus.

**Distribution:** Nepal.

***Agathidium (Agathidium) pusillum* Ang. & Dmz., 1981**

- Ent. Basiliensia, 6: 217; 1984, Rev. suisse Zool., 91 (3): 551; 1985, Rev. suisse Zool., 92 (1): 69; 1986, Rev. suisse Zool., 93 (4); 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 51; 1989, Rev. suisse Zool., 96 (1): 30.

**Material:** Nepal, Bhojpur distr., E Salpa Pass, 2800 - 3000 m, 24.V.1997, leg. Schawaller, 1 ex. (SMNS).

**Distribution:** India (Darjeeling), Nepal.

***Agathidium (Agathidium) sparsum* Ang. & Dmz., 1994**

- Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 29, 51.

**Material:** Nepal. Solukhumbu distr., below Pangum, 2500 m, 14. - 15.V.1997, leg. Schawaller, 2 exx. (SMNS, AC-GNHM); Remechap distr., Mohabir Khola E Shivalaya, 2500 - 2600 m, 6. - 7.V.1997, leg. Schawaller, 4 exx. (SMNS); Solukhumbu distr., Pangkongma La, 3000 m, 17.V.1997, leg. Schawaller, 1 ex. (SMNS); Solukhumbu distr., Sanam, 2700 - 2800 m, 22. - 23.V.1997, leg. Schawaller, 1 ex. (SMNS); Tentative determination based on female specimens: Solukhumbu distr., Nashing Dingma, W Surkie La, 2700 m, 20.V.1997, leg. Schawaller, 2 exx. (SMNS, AC-GNHM).

**Distribution:** Nepal.

***Agathidium (Agathidium) transversum* Ang. & Dmz., 1981**

- Ent. Basiliensia, 16: 279; 1984, Rev. suisse Zool., 91 (3): 553; 1987, Courier Forsch.- Inst. Senckenberg, 93: 460; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 51.

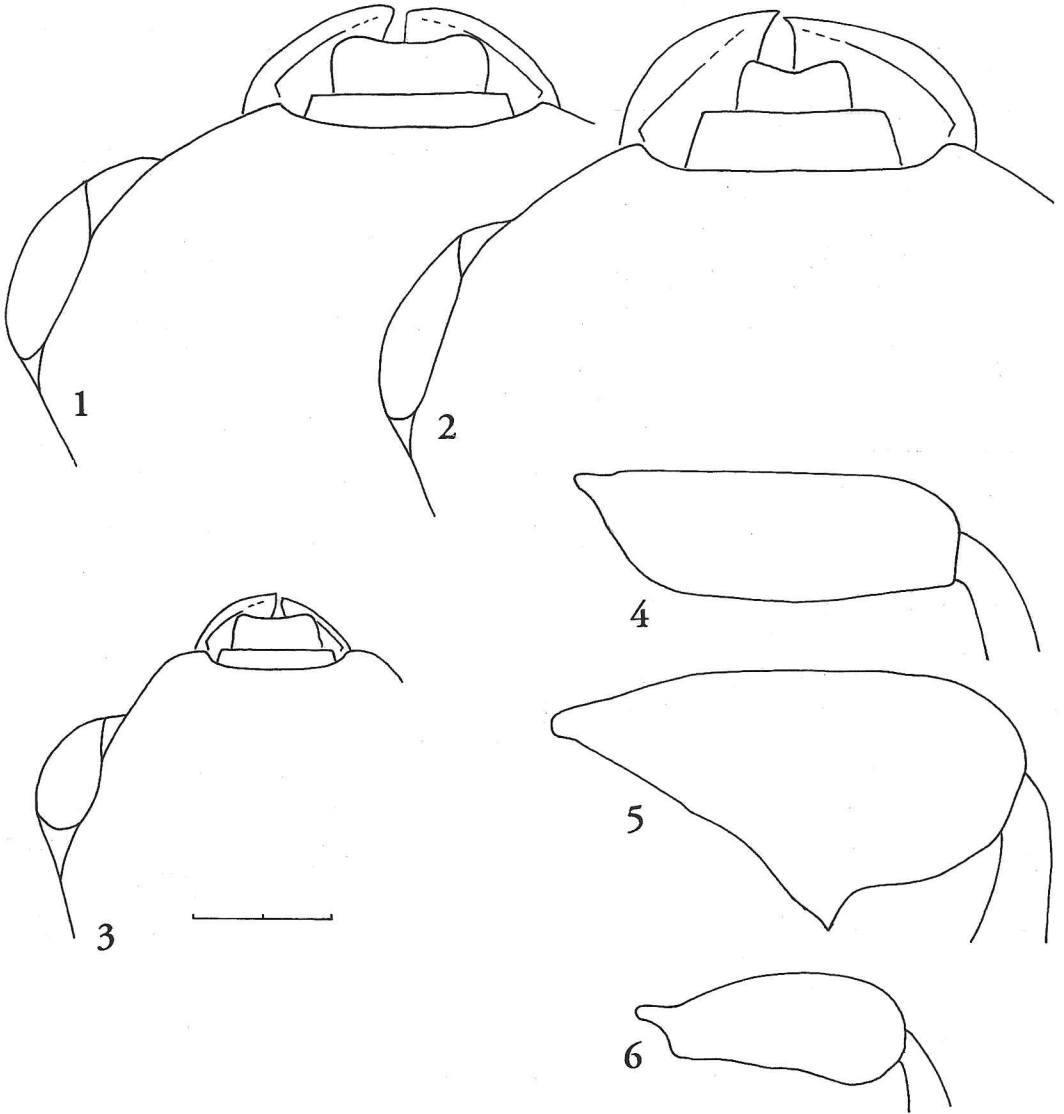
**Material:** Nepal, Dailekh distr., Dailekh to Mabuchin Pass, 2300 m, 3. - 4.VI.1998, leg. Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal, India (Darjeeling).

**Subgenus *Microceble* Angelini & De Marzo, 1986**

Figs. 1 - 6: Head and male hind femora of:

- 1, 4, *Agathidium pothanaense* n. sp.;
- 2, 5, *A. connexum* n. sp.;
- 3, 6, *A. plumbeum* n. sp.





Figs. 7 - 14: Aedeagus (lateral and dorsal view of its apex) of:

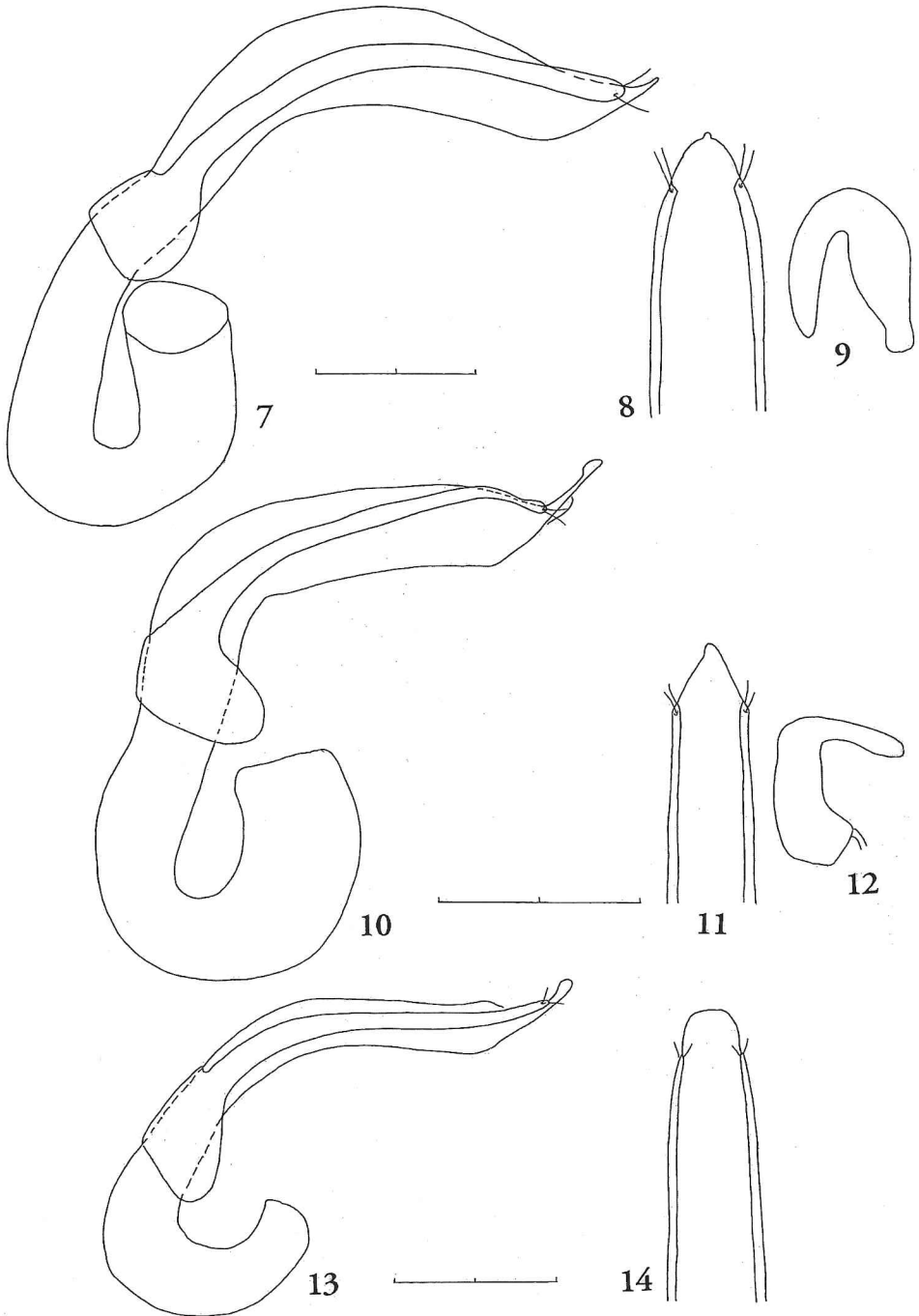
7, 8, *Agathidium pothanaense* n. sp.;

9, *A. pothanaense* n. sp.;

10, 11, *A. connexum* n. sp.;

12, *A. connexum* n. sp.

13, 14, *A. plumbeum* n. sp.; Spermatheca of:



**grouvellei - group**

***Agathidium (Microceble) godawaricum* Ang. & Dmz., 1986**

- Rev. suisse Zool., 93 (4): 869; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 51.

**Material:** Nepal, Myagdi distr., Myagdi Khola S Boghara, 1400 m, 27. - 28.V.1995, leg. Martens & Schawaller, 2 ex. (SMNS); Myagdi distr., Myagdi Khola, Boghara, 1800 m, 26.V.1995, leg. Martens & Schawaller, 1 ex. (AC-GNHM); Kathmandu distr., Kathmandu, Baneshwar, 1350 m, 18.IV.1995, leg. Martens & Schawaller, 1 ex. (SMNS); Manaslu Mts., meme Pokhari Lekh upp. Taksar vill., 2100 m, 31.VIII.1995, leg. Schmidt, 10 ex. (NME, AC-GNHM).

**Distribution:** Nepal.

***Agathidium (Microceble) laticorne* Portevin, 1922**

- *Agathidium (Cyphocele) laticorne* Portevin, 1922, Bull. Mus. Hist. Nat., 28: 58; 1928, Treubia, 10: 32.

- *Agathidium (Agathidium) laticorne*: Hatch, 1929, Cat. Junk, 105: 66; Hlisenkovsky, 1964, Acta Ent. Mus. nat. Prage, supp. 5: 200; Angelini & De Marzo, 1983, Ent. Basiliensia, 8: 162; Angelini & Cooter, 1985, The Sarawak Mus. Journ., 34 (55): 131; 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 51.

- *Agathidium (Microceble) laticorne*: Angelini & De Marzo, 1986, Rev. suisse Zool., 93 (2): 442.

**Material:** Nepal, Chitwan distr., Chitwan Nat. Park, Sauraha, 150 m, 31.V. - 4.VI.1997, leg. Schawaller, 1 ex. (SMNS).

**Distribution:** Thailand, Pakistan, Nepal, Bhutan, India (Assam, Meghalaya, Darjeeling, Orissa, Uttar Prad., Garhwal, Kumaon, Kerala, Tamil Nadu), Sri Lanka, Indonesia (Java, Lombok, Sumatra), Malaysia (Singapore, Sarawak, Sabak), Vietnam, China (Yunnan).

***Agathidium (Microceble) maculicolle* Champion, 1924**

- *Agathidium maculicolle* Champion, 1924, Ent. monthly Mag., 60: 161; Hatch, 1929, Cat. Junk, 105: 81;

- *Agathidium (s.str.) maculicolle*: Angelini & De Marzo, 1985, Rev. suisse Zool., 92 (1): 69;

- *Agathidium (Microceble) maculicolle*: Angelini & De Marzo, 1986, Rev. suisse Zool., 93 (2): 454; Angelini, 1995, Ann. Naturhistor. Mus. Wien, 97B: 194; 1996, Stuttgarter Beitr. Naturk., Ser. A, Nr. 546: 11.

**Material:** Nepal, Myagdi distr., Myagdi Khola S Boghara, 1400 m, 27. - 28.V.1995, leg. Martens & Schawaller, 1 ex. (SNMS).

**Distribution:** Nepal, India (Uttar Pradesh et Kumaon). New record for Nepal.

***Agathidium (Microceble) yamputhinense* Ang. & Dmz., 1994**

- Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 34, 52.

**Material:** Nepal, Ramechap distr., Jiri to Pass before Shivalaya, 2000 - 2500 m, 5.V.1997, leg. Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal.

**Subgenus *Macroceble* Angelini, 1993**

***Agathidium (Macroceble) brancuccii* Ang. & Dmz., 1981**

- *Agathidium (s.str.) brancuccii* Angelini & DeMarzo, 1981, Ent. Basiliensia, 6: 269; 1983, Ent. Basiliensia, 8: 153; 1984, Rev. suisse Zool., 91 (3): 547; 1985, Rev. suisse Zool., 92 (1): 42; 1986, Rev. suisse Zool., 93 (4): 837; 1987, Courier Forsch.-Inst. Senckenberg, 93: 457.

- *Agathidium (Macroceble) brancuccii* Angelini & DeMarzo, 1994, - Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 34, 52.

**Material:** Nepal, Bhojpur distr., E Salpa Pass, 2800 - 3000 m, 24.V.1997, leg. Schawaller, 1 ex. (SMNS).

**Distribution:** India (Darjeeling, Sikkim), Nepal.

***Agathidium (Macroceble) caelebs* Ang. & Dmz., 1981**

- *Agathidium (s.str.) caelebs* Angelini & DeMarzo, 1981, Ent. Basiliensia, 6: 268; 1985, Rev. suisse Zool., 92 (1): 42; 1986, Rev. suisse Zool., 93 (4): 838; 1987, Courier Forsch.-Inst. Senckenberg, 93: 457; 1989, Rev. suisse Zool., 96 (1): 31.

- *Agathidium (Macroceble) caelebs* Angelini & DeMarzo, 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 34, 52.

**Material:** Nepal, Ramechap distr., Mohabir Khola E Shivalaya, 2500 - 2600 m, 6. - 7.V.1997, leg. Schawaller, 6 ex. (SMNS), AC-GNHM).

**Distribution:** Nepal.

***Agathidium (Macroceble) fulcratum* Ang. & Dmz., 1994**

- Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 41, 52.

**Material:** Nepal, Bhojpur distr., E Salpa Pass, 2800 - 3000 m, 24.V.1997, leg. Schawaller, 1 ex. (SMNS).

**Distribution:** Nepal.

***Agathidium (Macroceble) cf. schawalleri* Ang. & Dmz., 1994**

- *Agathidium (Macroceble) schawalleri* Angelini & De Marzo, 1994, Stuttgarter Beitr. Naturk., Ser. A, Nr. 505: 43, 52.

**Material:** Nepal, Solukhumbu distr., Sanam, 2700 - 2800 m, 22. - 23.V.1997, leg. Schawaller, 1 ex. (AC-GNHM).

**Distribution:** Nepal.

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## author's adress:

Fernando Angelini  
S.S.7 per Latiano, Km. 0,500  
I - 72021 Francavilla Fontana (Brindisi)  
ITALY

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