

NOTES ON THE FAUNA OF THE CHIPOLA FORMATION - XII  
 SUPPLEMENTARY BIBLIOGRAPHY

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Julia Gardner's *Molluscan Fauna of the Alum Bluff Group of Florida* (U. S. Geol. Surv. Prof. Paper 142, 1926-1950) is the most important source of paleontological information pertaining to the Chipola Formation; however, since Gardner's time other studies of significant value have become available to students of this fauna. Because a portion of this information is contained in articles apparently unrelated to the Chipola Formation an obvious requirement for an up-dated bibliography exists.

Continued efforts by workers have resulted in the recovery of many new species unknown in the limited material available to Gardner. In addition to new species, there are also those that Gardner believed to be restricted to the Shoal River or Oak Grove formations but which are now known to occur in the fauna of the Chipola Formation. Of the numerous species known to be present in more than one member of the group, to date only *Chicoreus (Siratus) gilli* (Maury), *Chicoreus (Siratus) nicholsi* (Gardner) and *Turbinella dodonaia* (Gardner) have been reviewed. Hopefully this number will be increased in the future. The reader should refer to accompanying papers in this volume for additional data on the Chipola fauna.

The following are works that have come to the attention of the writer; however no exhaustive search of the literature has been conducted. Needless to say, changes in generic assignment are to be considered only as the opinion of their author and not necessarily definitive.

The papers listed below are solely those that make a significant contribution to the knowledge of the fauna. Citations that contain only comparisons of Chipola species with those in other faunas have not been included.

PHYLUM MOLLUSCA

ABBOTT, R. T., 1968, *Indo-Pacific Moll.*, v. 2, no. 9, Cassidae.

*Cassis delta* Parker, p. 51, pl. 24, figs. 1, 2 (after Parker).

*Phalium granulatum aldrichi* Dall, p. 163, pl. 150 (after Dall). (Originally *Phalium aldrichi* Dall.)

CERNOHORSKY, W. O., 1970, *Auckland Inst. and Mus., Bull.*, No. 8.

*Mitreola americana* (Dall), p. 88, pl. 12, fig. 5; figure only, no discussion. (Originally *Strigatella americana* Dall.)

GARDNER, JULIA, 1936, *Florida Geol. Surv.*, Bull. 14.

*Astarte (Ashtarotha)* sp., p. 20, pl. 4, fig. 1. (First record of occurrence in the Chipola Formation.)  
*Chione (Chione) oulotricha* Gardner, n. sp., p. 33, pl. 7, figs. 1-2.

GERTMAN, R. L., 1969, *Tulane Stud. Geol. Paleont.*, v. 7, no. 4.

*Typhis (Rugotyphis) keenae* Gertman, n. sp., p. 151, pl. 2, figs. 2a,b,c; 3a,b.

*Typhis (Typhinellus) chipolanus* Gertman, n. sp., p. 155, pl. 1, figs. 4a,b.

*Typhis (Talityphis) obesus* Gabb, p. 160, pl. 4, figs. 1-4.

*Siphonochelus (Laevityphis) linguiferus* (Dall), p. 174, pl. 6, figs. 5a,b.

(Originally *Typhis linguiferus* Dall.)

*Pterotyphis (Pterotyphis) calhounensis* Gertman, n. sp., p. 182, pl. 8, figs. 1a,b.

*Pterotyphis (Tripterotyphis) vokesae* Gertman, n. sp., p. 184, pl. 8, figs. 3a,b.

[The following papers by Glibert, and Glibert and Van de Poel, while primarily a listing of the foreign Cenozoic fossils in the collections of the Brussels Museum, contain a considerable amount of systematic

discussion and consequent revision of generic assignments.]

GLIBERT, MAXIME, 1960, Mém. Inst. Royal des Sci. Nat. de Belgique, ser. 2, fasc. 61.

*Prunum (Leptogouana) bellum* (Conrad, 1868), p. 87. (Chipola record either an error in locality data or misidentification of *Marginella (Volvarina) oryzoides* Gardner.)

GLIBERT, MAXIME, 1962, Mém. Inst. Royal des Sci. Nat. de Belgique, ser. 2, fasc. 68.

*Neritina (Vitta) chipolana* Dall, 1892, p. 108. (As *Smaragdia chipolana* in Gardner.)

GLIBERT, MAXIME, 1962, Mém. Inst. Royal des Sci. Nat. de Belgique, ser. 2, fasc. 69.

*Turritella subgrundifera* Dall, 1892, p. 99.  
*Turritella (Torcula) chipolana* Dall, 1892, p. 103. (Originally *Turritella chipolana* Dall.)  
*Obortio (Alabina) boiPLEX* (Dall, 1892), p. 189. (Originally *Bittium (styliiferina) boiPLEX* Dall.)  
*Tenuicerithium chipolanum* (Dall, 1892), p. 197. (Originally *Bittium chipolanum* Dall.)  
*Tenuicerithium permutabile* (Dall, 1892), p. 198. (Originally *Bittium permutabile* Dall.)  
*Hemicerithium cossmanni* (Dall, 1892), p. 212. (Originally *Bittium cossmanni* Dall.)

GLIBERT, MAXIME, 1962, Mém. Inst. Royal des Sci. Nat. de Belgique, ser. 2, fasc. 70.

*Acteocina incisa kolos* Gardner, p. 40.

GLIBERT, MAXIME, 1963, Mém. Inst. Royal des Sci. Nat. de Belgique, ser. 2, fasc. 73.

*Calyptraea (Crucibulum) chipolana* Dall, 1892, p. 18. (Originally *Crucibulum auriculum* var. *chipolanum* Dall.)  
*Crepidula (Janacus) plana* (Say, 1822), p. 22. (Originally *Crepidula plana* Say.)  
*Strombus aldrichi* Dall, 1890, p. 42.  
*Neverita (Glossaulax) chipolana* (Dall, 1892), p. 84. (Originally *Polynices (Neverita) chipolana* Dall.)  
*Tectonatica floridana* (Dall, 1892), p. 103. (Probably = "*Natica (Tectonatica ?) platabasis* Gardner named for the Chipola specimens of "floridana Dall" the type specimen of which is from the Tampa Ls. at Ballast Point, near Tampa, Fla.)

GLIBERT, MAXIME, and VAN DE POEL, LUC, 1965, Mém. Inst. Royal des Sci. Nat. de Belgique, ser. 2, fasc. 77.

*Nuculana (Saccella) proteracuta* (Gardner, 1926), p. 22. (Originally *Leda proteracuta* Gardner.)  
*Anadara (Cunearca) initiator* (Dall, 1898), p. 58. (Originally *Scapharca (Cunearca) initiator* Dall.)  
*Anadara (Cunearca) santarosana geraetera* (Gardner, 1926), p. 58. (Originally *Diluvarca (Diluvarca) santarosana geraetera* Gardner.)

GLIBERT, MAXIME, and VAN DE POEL, LUC, 1965, Mém. Inst. Royal des Sci. Nat. de Belgique, ser. 2, fasc. 78.

*Lyropecten (Nodipecten) condylomatus* (Dall, 1898), p. 25. (Originally *Pecten (Nodipecten) condylomatus* Dall.)  
*Mimachlamys chipolana* (Dall, 1898), p. 31. (Originally *Pecten (Aequipecten) chipolanum* Dall.)  
*Plicatula densata* Conrad, 1843, p. 44.  
*Pycnodonte (Alectrionella) haitensis* (Sowerby, 1850), p. 69. (Originally *Ostrea haitensis* Sowerby.)

GLIBERT, MAXIME, and VAN DE POEL, LUC, 1966, Mém. Inst. Royal des Sci. Nat. de Belgique, ser. 2, fasc. 81.

*Caryocorbula (Bothrocorbula) synarmostes* (Dall, 1898), p. 54. (Originally *Corbula (Bothrocorbula) synarmostes* Dall.)

GLIBERT, MAXIME, and VAN DE POEL, LUC, 1966, Mém. Inst. Royal des Sci. Nat. de Belgique, ser. 2, fasc. 82.

*Chione* (s.s.) *chipolana* Dall, 1903, p. 43.  
*Chione (Lirophora) burnsi* (Dall, 1900), p. 44. (Originally *Venus (Anaitis) burnsi* Dall.)

GLIBERT, MAXIME, and VAN DE POEL, LUC, 1967, Mém. Inst. Royal des Sci. Nat. de Belgique, ser. 2, fasc. 83.

*Lucina* (s.s.) *glenni* (Dall, 1903), p. 16. (Originally *Phacoides (Here) glenni* Dall.)  
*Lucina (Pleurohucina) erosa* (Dall, 1903), p. 20. (Originally *Codakia (Jagonia) erosa* Dall.)  
*Phacoides (Lucinisca) chipolanus* (Dall, 1903), p. 20. (Originally *Codakia (Jagonia) chipolana* Dall.)  
*Anodontia (Pegophysema) janus* (Dall, 1903), p. 42. (Originally *Lucina janus* Dall.)  
*Anodontia (Pegophysema) santarosana* (Dall, 1903), p. 42. (Originally *Lucina santarosana* Dall.)

- GLIBERT, MAXIME, and VAN DE POEL, LUC, 1970, Mém. Inst. Royal des Sci. Nat. de Belgique, ser. 2, fasc. 84.  
*Cerastoderma* (s.s.) *chipolanum* (Dall, 1900), p. 40. (Originally *Cardium* (*Cerastoderma*) *chipolanum* Dall.)  
*Trigoniocardia* (s.s.) *simrothi* (Dall, 1900), p. 59. (Originally *Cardium* (*Trigoniocardia*) *simrothi* Dall.)  
*Trigoniocardia* (*Americardia* ?) *burnsi* (Dall, 1900), p. 60. (Originally *Cardium* (*Fragum*) *burnsii* Dall.)  
*Crassinella triangulata* (Dall, 1903), p. 90. (Originally *Crassatellites* (*Crassinella*) *triangulatus* Dall, 1900.)  
*Venericardia hadra* Dall, 1903, p. 124.
- HEASLIP, W. G., 1968, Palaeontographica Americana, v. 6, no. 39.  
*Venericardia* (*Glyptoactis*) *hadra* Dall, p. 116, pl. 29, figs. 2a,b; 3, 4.  
 (Discussion regarding related species.)
- MILLER, A.K., and H. R. DOWNS, 1950, Jour. Paleontology, v. 24, no. 1.  
*Aturia curvilineata* Miller and Thompson, p. 12, pl. 10, figs. 4-7.  
 (First record of occurrence in the Chipola Formation.)
- OLSSON, A. A., 1964, Neogene Mollusks from northwestern Ecuador. Paleontological Research Institution.  
*Polystira albidoides* Gardner, p. 90, pl. 19, fig. 5; no discussion.  
*Glyphostoma locklini* Olsson, n. sp., p. 109, pl. 19, figs. 7-7b.
- OLSSON, A. A., 1965, Bulls. Amer. Paleontology, v. 49, no. 224.  
*Falsilyria pycnopleura* (Gardner), p. 665, pl. 83, fig. 8; figure only.
- OLSSON, A. A., 1967, Some Tertiary Mollusks from South Florida and the Caribbean. Paleontological Research Institution.  
*Cirsotrema* (*Cirsotremopsis*) *dalli* Rehder, p. 40, pl. 5, figs. 2,2a.  
 (First record of occurrence in the Chipola Formation.)  
*Scalina gardnerae* Olsson, n. sp., p. 42, pl. 5, fig. 3; pl. 6, figs. 2,2a.
- OLSSON, A. A., and R. E. PETIT, 1964, Bulls. Amer. Paleontology, v. 47, no. 217.  
*Siphocypraea* (*Siphocypraea*) *chilona* (Dall), p. 560, pl. 83, fig. 6.  
 (Originally *Cypraea* (*Cypraeorbis*) *chilona* Dall.)
- PARKER, J. D., 1948, Nautilus, v. 61, no. 3.  
*Cassis delta* Parker, n. sp., p. 91, pl. 6, figs. 1,1a,b.  
 (Together with a discussion of the associated fauna, p. 90-95.)
- PETIT, R. E., 1970, Tulane Stud. Geol. Paleont., v. 8, no. 2.  
*Charcoelleria distinguenda* Petit, n. sp., p. 84, pl. 1, figs. 2a,b.
- PILSBRY, H. A. and A. A. OLSSON, 1954, Bulls. Amer. Paleontology, v. 35, no. 152.  
*Falsilyria pycnopleura* (Gardner), p. 21, pl. 3, fig. 1. (Originally *Lyria pycnopleura* Gardner.)  
*Enaeta americana* (Dall), p. 24, pl. 3, fig. 3. (Originally *Strigatella americana* Dall.)
- ROWLAND, H. I., 1936, Amer. Midl. Nat., v. 17, no. 6.  
*Chlamys* (*Chlamys*) *chipolanus* (Dall), p. 1006, pl. 7, fig. 4, pl. 9, fig. 3. (Originally *Pecten* (*Aequipecten*) *chipolanus* Dall.)  
*Chlamys* (*Chlamys*) *alumensis* (Dall), p. 1007, pl. 7, figs. 1, 3. (Originally *Pecten* (*Chlamys*) *alumensis* Dall.)
- [see also TUCKER, H. I., and TUCKER-ROWLAND, H. I.]
- STEWART, R. B., 1930, Acad. Nat. Sci. Phila., Spec. Pub. no. 3.  
*Venericardia* (*Glyptoactis*) *hadra* Dall, p. 151-152, no figure.  
 (Sub-genus *Glyptoactis* proposed.)
- TUCKER, H. I., 1930, Indiana Acad. Sci., Proc., v. 40.  
*Pecten* (*Chlamys*) *kathrinepalmerae* [sic] Tucker, n. sp., p. 244, pl. 1, figs. 2, 5.
- TUCKER, H. I., 1936, Amer. Midl. Nat., v. 17, no. 2.  
*Pecten* (*Pecten*) *kathrinepalmerae* Tucker, p. 477, pl. 2, fig. 3. (Change in sub-generic assignment.)  
*Pecten* (*Pecten*) *burnsi* Dall, p. 478, pl. 4, figs. 3, 4 (after Dall).

TUCKER-ROWLAND, H. I., 1938, Mém. Mus. Royal d'Hist. Nat. de Belgique, ser. 2, fasc. 13.

*Chlamys (Lyropecten) madisonius acanikos* (Gardner), p. 11, pl. 4, fig. 12, pl. 5, figs. 2, 4. (Reduced to subspecies.)

*Chlamys (Lyropecten) condylomatus* (Dall), p. 12, pl. 6, figs. 3a, b. (Originally *Pecten (Nodipecten) condylomatus* Dall.)

*Chlamys (Lyropecten) sayanus* (Dall), p. 13, pl. 2, fig. 6, pl. 6, fig. 1. (Dall's Chipola record repeated; *vide* Gardner, 1926, p. 46, Chipola specimens = *acanikos* Gardner.)

*Amusium (Amusium) precursor* (Dall), p. 58, pl. 2, fig. 1. (First published illustration.)

VOKES, E. H., 1963, Tulane Stud. Geol., v. 1, no. 3.

*Murex (Murex) chipolanus* Dall, p. 98, pl. 1, figs. 3a,b. (Redescribed and lectotype figured.)

*Murex (Murex) gardnerae* E. H. Vokes, n. sp., p. 99, pl. 1, figs. 1a,b.

(For *Murex chipolanus* of Gardner not of Dall)

*Murex (Murex) gilli* (Maury), p. 100, pl. 2, figs. 1-4. (= *Murex (Murex) dasus* Gardner.)

*Murex (Murex?) vaughani* Maury, p. 102, pl. 1, figs. 2a,b.

*Murex (Murex) nicholsi* Gardner, p. 105, pl. 3, figs. 3-5. (First record of occurrence in the Chipola Formation.)

VOKES, E. H., 1963, Tulane Stud. Geol., v. 1, no. 4.

*Murex (Bolinus) vaughani* Maury, p. 151, pl. 1, figs. 1a,b. (Change in sub-generic assignment.)

*Murex (Chicoreus) lepidotus* E. H. Vokes, n. sp., p. 152, pl. 1, figs. 2a,b.

*Murex (Chicoreus) lepidotus dujardinioides* E. H. Vokes, n. subsp., p. 155, pl. 1, figs. 3a,b.

*Murex (Phyllonotus) infrequens* E. H. Vokes, n. sp., p. 156, pl. 1, figs. 4a,b.

VOKES, E. H., 1964, Tulane Stud. Geol., v. 2, no. 2.

*Turbinella dodonaia* (Gardner), p. 50, pl. 1, figs. 2a,b,c. (First record of occurrence in the Chipola Formation.)

*Turbinella chipolana* Dall, p. 58, pl. 2, figs. 1a,b,c.

*Turbinella dalli* E. H. Vokes, n. sp., p. 59, pl. 2, figs. 2a,b,c.

VOKES, E. H., 1965, Tulane Stud. Geol., v. 3, no. 4.

*Chicoreus (Siratus) chipolanus* (Dall), p. 183. (Change in generic and sub-generic assignments.)

*Chicoreus (Siratus) gardnerae* (E. H. Vokes), p. 183. (Change in generic and sub-generic assignments.)

*Chicoreus (Siratus) gilli* (Maury), p. 183. (Change in generic and sub-generic assignments.)

*Chicoreus (Siratus) nicholsi* (Gardner), p. 183. (Change in generic and sub-generic assignments.)

*Chicoreus (Chicoreus) folioides* (Gardner), p. 184, pl. 1, figs. 1a,b. (Originally *Murex folioides* Gardner.)

*Chicoreus (Chicoreus) lepidotus* (E. H. Vokes), p. 185, pl. 1, fig. 4. (Change in generic assignment.)

*Chicoreus (Chicoreus) dujardinioides* (E. H. Vokes), p. 185, pl. 1, fig. 6. (Change in generic assignment.)

*Chicoreus (Chicoreus) cornurectus* (Guppy), p. 186, pl. 2, figs. 2a,b, text figure 1. (First record of occurrence in the Chipola Formation.)

Note on the Age of the Chipola Formation (Miocene) of Northwestern Florida, p. 205-208.

VOKES, E. H., 1966, Tulane Stud. Geol., v. 5, no. 1.

*Vasum chipolense* E. H. Vokes, n. sp., p. 10, pl. 2, figs. 1, 2.

*Vasum haitense* (Sowerby), p. 10, pl. 3, figs. 1-4; pl. 4, fig. 3, text figure 1. (*Vasum engonatum* Dall = *Vasum haitense* (Sowerby).)

VOKES, E. H., 1967, Tulane Stud. Geol., v. 5, no. 3.

*Chicoreus (Phyllonotus) cf. tritonopsis* (Heilprin), p. 142, pl. 2, fig. 6. (*Incertae sedis* Gardner = *Chicoreus (Phyllonotus) cf. tritonopsis* (Heilprin).)

*Chicoreus (Phyllonotus) folioides* (Gardner), p. 143, pl. 3, figs. 1a,b. (Change in sub-generic assignment.)

*Chicoreus (Phyllonotus) infrequens* (E. H. Vokes), p. 143, pl. 1, figs. 10a,b. (Change in generic assignment.)

VOKES, E. H., 1968, Tulane Stud. Geol., v. 6, no. 3.

*Hexaplex (Hexaplex) veatchi* (Maury), p. 101, pl. 3, figs. 3a,b, 5. (Originally *Murex veatchi* Maury.)

*Murexiella (Murexiella) calhounensis* E. H. Vokes, n. sp., p. 110, pl. 5, figs. 4a,b.

*Murexiella (Murexiella) shilohensis* (Heilprin), p. 110, pl. 6, figs. 2-4. (First record of occurrence in Chipola Formation.)

*Murexiella (Subpterynotus) textilis* (Gabb), p. 120, pl. 8, figs. 1-3. (First record of occurrence in Chipola Formation.)

VOKES, E. H., 1970, Tulane Stud. Geol. Paleont., v. 8, no. 1.

*Pterynotus (Pterynotus) hoerlei* E. H. Vokes, n. sp., p. 12, pl. 2, figs. 3a,b.

*Poirieria (Panamurex) laccapoia* (Gardner), p. 31, pl. 7, figs. 1a,b. (Originally *Muricopsis laccapoia* Gardner.)

*Poirieria (Panamurex) fusinoides* (Gardner), p. 34, pl. 6, figs. 9a,b. (Originally *Paziella (Dallimurex) fusinoides* Gardner.)

*Poirieria (Panamurex) lychnia* (Gardner), p. 35, pl. 6, figs. 5a,b. (Originally *Paziella (Dallimurex) lychnia* Gardner.)

*Poirieria (Panamurex) maurya* E. H. Vokes, n. sp., p. 36, pl. 6, figs. 8a,b.

*Chicoreus (Stratus) juliagardnerae* E. H. Vokes, p. 51. (New name for *Murex gardnerae* Vokes non *Alectrion gardnerae* Dall, which = *Chicoreus (Phyllonotus) trophoniformis* (Dall).)

VOKES, E. H., 1970, Tulane Stud. Geol. Paleont., v. 8, no. 2.

*Vasum tribulosum* E. H. Vokes, n. sp., p. 90, pl. 1, figs. 1a,b.

*Vasum elongatum* E. H. Vokes, n. sp., p. 92, pl. 1, figs. 2a,b.

VOKES, H. E., 1969, Tulane Stud. Geol. Paleont., v. 7, no. 3.

*Miltha (Miltha) chipolana* (Dall), p. 118-121, pl. 1, fig. 3; pl. 2, figs. 4a,b; pl. 3, figs. 1a-d, 2a-d; pl. 5, figs. 1-6; text fig. 1. (Originally *Phacoides (Miltha) chipolanus* Dall.)

*Eomiltha scolaroi* H. E. Vokes, n. sp., p. 128, pl. 1, figs. 1-7.

VOKES, H. E. and E. H. VOKES, 1968, Tulane Stud. Geol., v. 6, no. 2.

*Orthaulax gabbi* Dall, p. 74-76, pl. 1-3.

WOODRING, W. P., 1964, U.S. Geol. Surv. Prof. Paper 306-C.

*Pallacera chipolanus* (Dall), p. 269. (Originally *Phos (Strongylocera) chipolanus* Dall.)

*Pallacera pedanus* (Gardner), p. 269. (Originally *Phos (Strongylocera) pedanus* Gardner.)

WOODRING, W. P., 1970, U.S. Geol. Surv. Prof. Paper 306-D.

*Eulima acuta* Sowerby, p. 327, pl. 51, fig. 13. (Misidentified by Gardner as *Strombiformis scotti* (Maury).)

*Pleuroliira (Polystria) albidoides* (Gardner), p. 363. (Originally *Polystria albidoides* Gardner.)

*Cythereella compscacosta* (Gardner), p. 392. (Originally *Ithyocythara compscacosta* Gardner.)

*Cythereella cryptopleura* (Gardner), p. 393. (Originally "*Mangelia*" *cryptopleura* Gardner.)

*Cythereella chariessa* (Gardner), p. 393. (Originally "*Cythara*" *chariessa* Gardner.)

*Cythereella barbadooides* (Gardner), p. 393. (Originally "*Cythara*" *barbadooides* Gardner.)

*Cythereella isabellae* (Maury), p. 393. (In Gardner as "*Cythara*" *isabellae* (Maury).)

*Roxania chipolana* (Dall), p. 419, pl. 62, fig. 14. (In Gardner as *Abderospira chipolana* (Dall).)

*Florabella aldrichi* (Dall), p. 420, pl. 50, figs. 1, 2, 5-8. (Originally *Dolabella aldrichi* Dall.)

*Volvulella (Volvulella) oxytata* (Bush), p. 425, pl. 62, figs. 19, 20. (Originally *Volvula oxytata* Bush.)

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In addition to the predominantly molluscan reports, certain papers on other phyla have appeared, which are of special interest.

#### PHYLUM BRYOZOA

SCOLARO, R. J., 1970, Tulane Stud. Geol. Paleont., v. 8, no. 2.

*Discoporella umbellata depressa* (Conrad), p. 96, text fig. 2. (First record of occurrence in the Chipola Formation.)

#### PHYLUM COELENTERATA

WEISBORD, N. E., 1971, Florida Geol. Surv., Bull. 53.

Thirteen species of corals from the Chipola Formation discussed and figured, eight of which are new.

#### PHYLUM PROTOZOA

AKERS, W. H., 1972, Tulane Stud. Geol. Paleont., v. 9, (nos. 1-4).

Eight species of planktonic foraminifera from the Chipola Formation described and figured.

PURI, H. S., 1953, Florida Geol. Surv., Bull. 36.

Fifty-three species of Chipola foraminifera listed, of which nine are not specifically identified.

#### PHYLUM ARTHROPODA

PURI, H. S., 1953, Florida Geol. Surv., Bull. 36.

Twenty species of Chipola ostracods discussed, of which eight are described and figured as new species.