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Jeffersonia striagena n. sp.; Jeffersonia viator n. sp.; Jeffersonia timon (Billings, 1865); 'Jeffersonia' aff. J. granosa Cullison, 1944; Genus Peltabellia Whittington, 1953; Peltabellia glabra n. sp.; Genus Petigurus Raymond, 1913; Petigurus nero (Billings, 1865); Petigurus groenlandicus Poulsen, 1937; Genus Psalikelopsis Ross, 1953; Psalikelopsis n. sp. aff. P. cuspicaudata Ross, 1953; Bathyurine n. gen. n. sp. A Sub-family Bathyurellinae Hupe, 1953; Genus Bathyurellus Billings, 1865; Bathyurellus abruptus Billings, 1865; Bathyurellus diclementsae n. sp.; Genus Benthamaspis Poulsen, 1946; Benthamaspis gibberula (Billings, 1865); Benthamaspis conica Fortey, 1979; Genus Ceratopeltis Poulsen, 1937; Ceratopeltis cf. C. batchensis Adrain & Westrop, 2005; Genus Chapmanopyge n. gen.; Chapmanopyge cf. sp. 1 (Loch, 2007); Chapmanopyge 'amplimarginiata' (Billings, 1865); Chapmanopyge cf. C. sanddoelaensis (Adrain & Westrop, 2005); Chapmanopyge n. sp. A Genus Grinnellaspis Poulsen, 1946 Grinnellaspis newfoundlandensis Boyce, 1989; Genus Harlandaspis n. gen.; Harlandaspis elongata n. sp.; Genus Licnocephala Ross, 1951; Licnocephala brevicauda (Poulsen, 1937); Licnocephala n. sp. A; Licnocephala n. sp. B; Licnocephala? n. sp. C; Genus Punka Fortey, 1979; Punka latissima n. sp.; Punka flabelliformis Fortey, 1979; Genus Uromystrum Whittington, 1953; Uromystrum affine (Poulsen, 1937); Uromystrum aff. U. affine (Poulsen, 1937); Uromystrum drepanon n. sp.; Family Dimeropygidae Hupe, 1955; Genus Ischyrotoma Raymond, 1925; Ischyrotoma parallela (Boyce, 1989)

Sommario/riassunto

This monograph describes early Ordovician (Ibexian: Tremadocian-early Floian) trilobites from Northern Spitsbergen from the section through the Kirtonryggen Formation adjacent to Hinlopen Strait. The Formation is divided into three Members, each with distinct trilobites collectively representing the fullest known succession from the Bathyurid biofacies of the eastern Laurentian carbonate platform. Previous research on the Ordovician of Spitsbergen is summarised and correlations with similar faunas previously described from Canada, Greenland, western Newfoundland, Vermont-New York State, Ok
