

1. Record Nr.	UNINA9910138960103321
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Titolo	Lower Ordovician trilobites of the Kirtonryggen Formation, Spitsbergen // by Richard A. Fortey, David L. Bruton
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley Blackwell, , 2013 ©2013
ISBN	1-118-85062-9 1-118-85065-3 1-118-85063-7
Descrizione fisica	1 online resource (120 p.)
Collana	Fossils and Strata ; ; Number 59
Altri autori (Persone)	BrutonDavid L
Disciplina	560.1731
Soggetti	Paleontology - Ordovician
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cover; Titlepage; Contents; Family Illaenidae Hawle & Corda, 1847; Genus Pilekia Barton, 1915; Introduction; Summary of previous research on the Ordovician of Spitsbergen; Stratigraphy of the Kirtonryggen Formation; Stratigraphic sub-divisions and age; Tremadocian-Floian boundary; Correlation with other areas of Ordovician Laurentia; Greenland; Canada; Northwest Scotland; USA; Occurrence of trilobites in the Kirtonryggen Formation; Field occurrence; Biofacies and biogeography; Peculiarities of the Spitsbergen faunas; Eastern and western Laurentia; Origin of major trilobite clades The family Bathyruridae The problem of type species; Morphology of Bathyruridae; Systematic Palaeontology; Order Aulacopleurida Adrain, 2011; Family Hystricuridae Hupe, 1953; Genus Svalbardicurus n. gen.; Svalbardicurus delicatus n. sp.; Genus Hystricurus Raymond, 1913; Hystricurus cf. Hystricurus sp. nov. B Adrain et al., 2003; Hystricurus sp. 1; Order Proetida Fortey & Owens, 1975; Family Bathyruridae Walcott, 1886; Sub-family Bathyrurinae Walcott, 1886; Genus Bolbocephalus Whitfield, 1890; Bolbocephalus gunnari n. sp.; Bolbocephalus convexus (Billings, 1865) Bolbocephalus stclairi Cullison, 1944 Bolbocephalus sp. cf. B. kindlei Boyce, 1989; Genus Catochia Fortey, 1979; Catochia hinloppensis n. sp.; Catochia ornata Fortey, 1979; Genus Jeffersonia Poulsen, 1927;

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 *Psalikilopsis* Ross, 1953; *Psalikilopsis* 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

2. Record Nr.	UNINA9910974430203321
Titolo	Ecological risks : perspectives from Poland and the United States / / edited by Wladyslaw Grodzinski, Ellis B. Cowling, Alicja I. Breymeyer ; with Anna S. Phillips ... [et al.] ; Polish Academy of Sciences, National Academy of Sciences of the United States of America
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1990
ISBN	9786610212323 9781280212321 1280212322 9780309555739 0309555736 9780585084985 058508498X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (428 pages)
Altri autori (Persone)	GrodzinskiW CowlingEllis Brevier <1932-> BreymeyerA. I <1932-> (Alicja I.) PhillipsAnna S
Disciplina	577.09438
Soggetti	Environmental impact analysis - Poland Environmental impact analysis - United States Environmental protection - Poland Environmental protection - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographies.
Nota di contenuto	""Ecological Risks""; ""Copyright""; ""EDITORS' NOTE""; ""PREFACE""; ""Contents""; ""OVERVIEW""; ""Assessment and Management of Ecological Risks""; ""IMPORTANCE OF ECOSYSTEMS FOR HUMANS""; ""DEFINITIONS""; ""Ecosystems""; ""Ecological Risk""; ""Ecological Risk Assessment""; ""AN ILLUSTRATION OF CONFLICTS BETWEEN DESIRABLE GOALS IN SOCIETY""; ""CONTRASTS AND SIMILARITIES BETWEEN POLAND AND THE UNITED STATES""; ""OVERVIEW OF THE BOOK""; ""OUR HOPE FOR THE FUTURE""; ""References""; ""Executive Summary"";

""OVERVIEW OF THE CHAPTERS""; ""ECOLOGICAL MANAGEMENT CONCEPTS""
""HUMAN EFFECTS ON THE TERRESTRIAL ENVIRONMENT"" ""Concepts in Stress Ecology""; ""Air Pollution Impacts""; ""Monitoring Ecological Stresses and Effects""; ""AGRICULTURAL AND FORESTRY IMPACTS ON ENVIRONMENTAL QUALITY""; ""IMPACTS ON AQUATIC ECOSYSTEMS""; ""ENVIRONMENTAL MANAGEMENT CASE STUDIES""; ""SYNTHESIS AND INTEGRATION""; ""ENVIRONMENTAL MANAGEMENT CONCEPTS""; ""Evaluating Ecological Impacts: A Conceptual Framework""; ""A TYPOLOGY OF CONSEQUENCES OF CHANGE""; ""ISSUES IN EVALUATING CHANGES""; ""EVALUATING FUTURE CONSEQUENCES""; ""ECOLOGICAL VALUES AND OTHER VALUES""
""FROM CONCEPT TO PRACTICE"" ""RELATED READINGS""; ""The Relationship Between Strategies of Social Development and Environmental Protection""; ""THE EXISTING PARADIGM""; ""A NEW ANTHROPOCENTRIC PARADIGM: HUMAN HEALTH AND QUALITY OF LIFE""; ""THE ECOLOGICAL PARADIGM""; ""ENVIRONMENTAL PROTECTION AND MANAGEMENT""; ""CONCLUSION""; ""Acknowledgement""; ""References""; ""Environmental Protection as an Element of International Economic Cooperation in Poland""; ""GROWTH: REDOUBLING EFFORT OR RETHINKING DIRECTION?""; ""THE ROLE OF INTERNATIONAL INVESTMENT""; ""INVESTMENT AND THE ENVIRONMENT""
""THE COSTS OF ENVIRONMENTAL DEGRADATION"" ""THE ECONOMIC BIND""; ""POLICY EXPLORATIONS""; ""Energy""; ""Transportation""; ""Housing""; ""Agriculture""; ""Food Processing""; ""Pollution Control Technology""; ""PROSPECTS""; ""References""; ""The Role of Ecological Risk Assessment in Environmental Decision Making""; ""PREDICTIVE ASSESSMENT OF ECOLOGICAL RISKS""; ""ECOTOXICOLOGY: THE PRACTICE OF RISK ASSESSMENTS""; ""The Toxic Substances Control Act""; ""Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)""; ""CONCLUSION""; ""References""; ""HUMAN EFFECTS ON THE TERRESTRIAL ENVIRONMENT""
""Characterizing Ecosystem Responses to Stress"" ""ECOLOGICAL RISK ASSESSMENT""; ""ECOLOGICAL RISK MANAGEMENT: REGULATORY ENDPOINTS""; ""ECOLOGICAL ENDPOINTS""; ""Species-level Endpoints: Primary""; ""Species-level Endpoints: Secondary""; ""Species-level Endpoints: Ecological Role""; ""Community-level Endpoints""; ""Ecosystem-level Endpoints""; ""DEFINING ECOSYSTEM RESPONSES TO STRESS""; ""Frequency and Novelty of Stress""; ""Time Scale of Stress""; ""Intensity of Stress""; ""Internal Stress Protection""; ""Summary""; ""MEASURING ECOSYSTEM RESPONSES TO STRESS""; ""Resistance and Stability""; ""Sensitivity""
