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# FOSSIL COLLECTIONS OF THE WORLD:

## An International Guide

*Compiled by*

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International Palaeontological  
Association

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WEBBY, B.D. (compiler), 1989. *Fossil Collections of the World: an International Guide*.  
First Edition, vi + 214 pp. International Palaeontological Association, Washington D.C.

COVER (clockwise, from top left): dinosaur (*Triceratops*); cycad (*Cycas*); *Archaeopteryx*;  
*Spinther*-like worm, *Dickinsonia*; trilobite (*Pseudotainella*); leaf of *Ginkgo*.

## II. GEOLOGICAL SURVEYS

### GEOLOGICAL SURVEY OF CANADA

601 Booth Street  
Ottawa, Ontario K1A 0E8

Tel. (613) 996 6403

YEAR OF FOUNDING: 1842.

PERSONS-IN-CHARGE: T.E. Bolton and G.P. Martin.  
PERMANENT STAFF: Paleontologists 7; Curator 1;

Preparator 1.

ESTIMATED NUMBER OF SPECIMENS (PERCENT-AGES CATALOGUED IN BRACKETS): Invertebrates 1,047,000 (20%); Plants 133,500 (6%).

EMPHASES: This major repository contains representative Canada-wide collections arranged stratigraphically, geographically and biologically, including historically important collections, a comprehensive collection of Precambrian fossils, substantial holdings of Paleozoic and Mesozoic material from eastern Canada, and the National Type Collection of Fossil Invertebrates and Plants.

USES: Research 100%.

CURATION: The main collection has a locality based register, and is divided first by geological period and then by geographical province and finer subdivisions for each period. Large collections may be further divided into phyla. The type collection (20% of the total number of invertebrates and 6% of the plants) is similarly arranged first by geological period, then region by region from east to west and north across Canada, and finally by phyla. All the type material is adequately curated.

PUBLISHED TYPE CATALOGUE: BOLTON, T.E., *Catalogue of Type Invertebrate Fossils of the Geological Survey of Canada. Vols. I* (1960), *II* (1965), *III* (1966), *IV* (1968), *V* (1974), *VI* (1977), *VII* (1982). BELL, W.A., *Catalogue of Types and Figured Specimens of Fossil Plants in the Geological Survey of Canada Collections* (1962), with *Megaplant Supplement* (1969).

INSTITUTIONAL ACRONYM: GSC.

IN-HOUSE PUBLICATION OUTLETS: Memoirs, Bulletins and Papers of the Geological Survey of Canada. SERVICES - POLICIES AND FACILITIES FOR VISITING SPECIALISTS: Short term loans to established workers. No institutional exchanges. The most extensive geological library in Canada. Full range of equipment for mechanical and acid preparation of macrofossils and microfossils, and or photography including SEM. Technical support staff and services of well equipped laboratories. No grants-in-aid.

GEOLOGICAL SURVEY OF CANADA,  
INSTITUTE OF SEDIMENTARY AND  
PETROLEUM GEOLOGY  
3303 - 33rd Street, N.W.  
Calgary, Alberta T2L 2A7

Tel. (403) 284 0110

YEAR OF FOUNDING: 1967.

PERSONS-IN-CHARGE: G.S. Nowlan and M.A. Halkett.

PERMANENT STAFF: Paleontologists 11; Curator 1; Preparators 5.

ESTIMATED NUMBER OF SPECIMENS: 1,300,000 (total number is likely to be much greater because each microslide was counted as one specimen but it may contain a very large number of individual microfossils).

EMPHASES: Ordovician to Tertiary microfossils (palynomorphs, foraminiferans, conodonts) and macroinvertebrates of western and northern Canada. USES: Research 100%.

CURATION: Most collections except the older ones are adequately curated. They are stored by year and collector, with further subdivision stratigraphically. A locality based register is used for accessioning of new material, and a computer based data processing and retrieval system is presently being established. PUBLISHED TYPE CATALOGUE: None; type collection is maintained in Ottawa.

INSTITUTIONAL ACRONYM: GSC; collections catalogued by locality in Calgary are cited as GSC Loc.C-(number).

IN-HOUSE PUBLICATION OUTLETS: Memoirs, Bulletins and Papers of the Geological Survey of Canada. SERVICES - POLICIES AND FACILITIES FOR VISITING SPECIALISTS: Loans to accredited workers. No institutional exchanges. General geology library with large paleontology component. Fully equipped and staffed paleontology and photography laboratories.

GEOLOGICAL SURVEY OF CANADA,  
ATLANTIC GEOSCIENCE CENTRE  
Dartmouth, Nova Scotia B2Y 4A2

Tel. (902) 426 3413

YEAR OF FOUNDING: 1972.

PERSON-IN-CHARGE: M.S. Barsa.

PERMANENT STAFF: Paleontologists 10; Curators 2; Preparators 5.

ESTIMATED NUMBER OF SPECIMENS (PERCENT-AGES CATALOGUED IN BRACKETS): Invertebrates 1,600 (90%); Plants 2,000 (100%).

EMPHASES: Circum-Atlantic stratigraphical and geographical biases, especially of offshore eastern Canada. USES: Research 100%.

CURATION: Material from offshore wells and marine geology samples, mainly micropaleontological (palynomorphs, foraminiferans and ostracodes). Separate type collection adequately curated.

PUBLISHED TYPE CATALOGUE: None.

INSTITUTIONAL ACRONYM: GSC.

IN-HOUSE PUBLICATION OUTLETS: Memoirs, Bulletins and Papers of the Geological Survey of Canada. SERVICES - POLICIES AND FACILITIES FOR VISITING SPECIALISTS: No type material available for loan. Institutional exchanges. Examination room and library available; also some microscopes and cameras.