

First Record of the Great Auk (*Pinguinus impennis*) from Labrador

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Recent archeological investigations undertaken by Bryn Mawr College and the Smithsonian Institution along the Torngat Mountain coastline of northernmost Labrador have produced the first documented evidence of the extinct Great Auk, *Pinguinus impennis*, from the Labrador Peninsula. Avayalik Island, where the Great Auk remains were recovered, is only 25 km south of the northern tip of the peninsula (60°06'30"N; 64°13'10"W). The bones were excavated from a site denominated Avayalik-1 (Jordan 1980), located on a small and barren outer island that was occupied by Dorset Paleo-Eskimos between 400 and 450 A.D. Frozen midden deposits at this site contain

hunting, butchering, and processing tools, domestic utensils, debris from tool manufacturing, faunal remains, and occasional amulets and ritual objects usually associated with hunting magic (Jordan 1979–80). The Eskimos here depended heavily upon marine mammals and seabirds for food. Of 1,700 mammal bones identified, over 90% are from seals and walrus. About 1,300 specimens of birds are approximately evenly divided among large gulls (Laridae), diving ducks (Anatidae), shearwaters (Procellariidae), and alcids (Alcidae). A few remains of ravens, geese, small gulls, and ptarmigan were also recovered. The degree of maturity and composition of

the faunal remains suggest late winter to summer occupation of the site (Cox and Spiess 1980).

The remains of Great Auk from Avayalik-1 consist solely of a complete right coracoid, a portion of the proximal end of a left coracoid, and a complete left femur. The coracoids are from birds of noticeably different size, so at least two individuals are represented. The rarity of the Great Auk in these deposits indicates the likelihood that the few birds taken were in passage and that the species did not breed in the area.

Not only were Great Auks used for food by Eskimos and Indians, as demonstrated by bones in middens from Greenland to Florida (Greenway 1958, Brodkorb 1967), but in some cultures the bird evidently had ceremonial significance as well. This is best exemplified by a burial in a Maritime Archaic cemetery, Port au Choix-3, in northwestern Newfoundland, dating to 2300–1800 B.C. A single human skeleton found here had over 200 beaks of the Great Auk distributed over its length, the body having apparently been clothed in a garment consisting entirely of Great Auk skins (Tuck 1976). The fact that the bones obtained from Avayalik Island come from deep within the body (coracoids and femur), and thus would not have been included with a skin, practically precludes the specimens having been obtained through trade with contemporaneous cultures to the south.

The only certainly known breeding site of the Great Auk in the Western Atlantic in historic times is Funk Island, Newfoundland. Although the species is known from midden deposits and a skin from western Greenland, there is apparently no conclusive evidence that it ever bred there (Greenway 1958). Todd (1963: 403) considered that it was not unlikely

that the Great Auk "may have strayed to the coast of Labrador," but he showed that there was no satisfactory evidence of such an instance. The specimens from Avayalik Island thus constitute the sole record of *Pinguinus impennis* from Labrador.

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