

C¹⁴ dating of Survey material performed in 1974

General compilation by Anker Weidick

Thirteen radiocarbon age determinations of shell samples (12) and wood (1) are assembled in this account. The material dated was collected in connection with GGU field work. The samples have been dated at Isotopes Inc., Westwood, New Jersey, U.S.A. Determination of the wood sample was kindly made by Jette Dahl Møller, Institute of Plant Anatomy and Cytology, University of Copenhagen.

Dating has also been carried out on a number of shells, dredged alive prior to 1950, in order to control the apparent age in shell dating determinations (Tauber & Funder, this report).

Samples collected in South Greenland

GGU 157301: I-7667. Narssarssuaq **8760±120 B.P.**
6810 B.C.

Shells of *Balanus balanus*, *Mya truncata* and *Hiatella arctica* collected by J. Mangerud, H. Valeur and A. Weidick in marine silt terrace 10–20 m above sea level near the harbour, 61°09'N, 46°26'W.

GGU 157320: I-7664. Narssaq **9410±125 B.P.**
7460 B.C.

Driftwood of *Larix* sp. collected by K. Gade Sørensen in sand and gravel 5 m below the surface of beach ridges at 17 m above sea level. From gravel pit between Narssaq town and Dyrnæs at 60°55.5'N, 46°03'W.

Samples collected in West Greenland

GGU 157303: I-7616. Marraq **9030±125 B.P.**
7080 B.C.

Shells of *Mya truncata* collected by A. Weidick in lower, clayey part of marine terrace 5 m above sea level. South-west coast of the Marraq plain, 63°25.7'N, 51°12.1'W.

GGU 157307: I-7617. Marraq **8810±120 B.P.**
6860 B.C.

Shells of *Balanus balanus* collected by A. Weidick in cliff at 60 m above sea level in a transitional layer between lower laminated silt and upper sand and boulders in south-eastern inner part of the Marraq plain, 63°25.8'N, 51°07.7'W.

GGU 157308: I-7618. Marraq **8525±115 B.P.**
6575 B.C.

Shells of *Balanus balanus*, *Mya truncata* and *Chlamys* (= *Pecten*) *islandica* collected by A. Weidick in laminated clay at 10 m above sea level near the waterfall in south-east part of the coastal cliff of the Marraq plain, 63°25.6'N, 51°08.5'W.

GGU 157309: I-7619. Marraq **8905±120 B.P.**
6955 B.C.

Shells of *Balanus balanus* collected by A. Weidick in clay layers at 55 m above sea level in south-eastern inner part of the Marraq plain at 63°25.8'N, 51°08'W.

GGU 157310: I-7620. Marraq **8320±115 B.P.**
6370 B.C.

Shells of *Mya truncata* collected by A. Weidick in upper sandy parts of the 70 m terrace in the south-eastern inner parts of the Marraq plain at 63°25.8'N, 51°07.8'W.

GGU 157312: I-7621. Qeqertaq **7835±110 B.P.**
5885 B.C.

Shells of *Mya truncata* collected by A. Weidick in laminated clay-silt in coastal cliff 3-4 m above sea level on the west side of the Qeqertaq island in Fiskenesfjorden at 63°12.3'N, 50°20'W.

GGU 157313: I-7622. Frederikshåbs Isblink **21 710±400 B.P.**
19 760 B.C.

Shells of *Mya truncata* and *Chlamys* (= *Pecten*) *islandica* collected by D. Heling in the present moraines and alluvial plains in front of the northern part of the Frederikshåbs Isblink glacier lobe at 62°37'N, 50°08'W.

GGU 157314: I-7623. Grædefjord **8715±120 B.P.**
6765 B.C.

Shells of *Mya truncata* collected by A. Weidick in top sediment of pond 4 m above sea level at Qôrnoq, south side of the entrance to Grædefjord, 63°20'N, 51°06.5'W.

GGU 157315: I-7624. Sanerâta timâ **13 380±175 B.P.**
11 430 B.C.

Shells of *Mya truncata* collected by A. Weidick in clayey silt in cliff just above high tide mark at Naujat, north shore of Sanerâta timâ, 63°30.8'N, 51°19'W.

GGU 157316: I-7665. Ameralik **8785±120 B.P.**
6835 B.C.

Shells of *Mya truncata* and *Balanus balanus* collected by A. Weidick in moraine-like red sandy deposit in coastal cliff 5 m above sea level at Eqalugialik in Itivdleq, Ameralik, 64°20'N, 50°24'W.

GGU 157317: I-7666. Ameralik **8810±120 B.P.**
6860 B.C.

Shells of *Chlamys* (= *Pecten*) *islandica*, *Hiatella arctica* and *Balanus balanus* collected by A. Weidick from grey, silty part of a coastal cliff at 4 m above sea level at Eqalugialik in Itivdleq, Ameralik, 64°20'N, 50°24'W.