

BIOGRAPHICAL SKETCH

HAROLD W. BORNS, JR.

EDUCATION

B.S., Geology, Tufts University, 1951
M.A., Geology, Boston University, 1955
Ph.D., Geology, Boston University, 1959
Postdoctoral Fellow in Glacial and Quaternary Geology, Yale University, 1963-64

PRESENT POSITION

Research Professor and Professor Emeritus, Department of Geological Sciences and Climate Change Institute, University of Maine

LICENSES

Maine Registered Geologist License #1

PROFESSIONAL EXPERIENCE

Program Manager for Polar Glaciology, Division of Polar Programs, National Science Foundation IPA Assignment, 1988-90
Founder and Director, Climate Change Institute (formerly Institute for Quaternary Studies), University of Maine, 1974-1988
Field Seasons – 25 in Antarctica, 5 in India, 3 in Ireland, ~30 in Maine and the Northeast

HONORS

Recipient of Presidential Research and Creative Achievement Award at the Univ. of Maine - 1984

SELECTED PUBLICATIONS (five most relevant)

- Borns, H.W., 2007, Maine's Ice Age Trail: Down East – A Map and Guide, Climate Change Institute, University of Maine, Orono
- Borns, H.W., Jr., Dorner, L.A., Dorion, C.C., Jacobson, G.L., Kaplan, M.R., Kreutz, K.J., Lowell, T.V., Thompson, W.B., and Weddle, T.K., 2004. Deglaciation of Maine, USA, in J. Ehlers and P. Gibbard, eds., Quaternary Glaciation-Extent and Chronology, Part II. Elsevier, pp. 89-109.
- Borns, H.W., Jr., Hall, B., Nurse, A., and Thompson, W., 2007. Is Bölling warming recorded by the southeastern margin of the Laurentide Ice Sheet? *Geological Society of America, NE Meeting*, Durham, NH (abstract).
- Stone, B.D., Borns, H.W., Jr., 1986. Pleistocene glacial and interglacial stratigraphy of New England, Long Island, and adjacent Georges Bank and Gulf of Maine, *Quaternary Science Reviews*, v. 5, p.39-52.
- Thompson, W.B., Borns, H.W., eds. 1985. Surficial Geological Map of Maine. Maine Geol. Survey, Augusta, Maine, Scale 1:500,000.

ADDITIONAL PUBLICATIONS

- Ackert, R.P., Barclay, D.J., Borns, H.W., Jr., Calkin, P.E., and Kurz, M.D., 1998. Late Pleistocene ice surface elevation in interior West Antarctica: Surface exposure chronology from Mt. Waesche, *EOS*, v, 79 (17), p. S81.
- Ackert, R.P., Barclay, D.J., Borns, H.W., Jr., Calkin, P.E., Kurz, M.D., Fastook, J., and Steig, E.J., 1999. Measurements of past ice sheet fluctuations in interior West Antarctica. *Science*, v. 286, p.276-280.
- Borns, H.W., Jr., Dorion C., Calkin, P.E., Wiles, G.C. and Barclay, D., 1995. Evidence for thicker ice in interior West Antarctica. *Antarctic Journal*, v. 10, p. 101.
- Stuiver, M., Borns, H.W., 1975. Late Quaternary marine invasion in Maine: its chronology and associated crustal movement. *Geological Society of America Bulletin*, v. 86, p. 99-100.

SYNERGISTIC ACTIVITIES

Founder of the University of Maine, Institute for Quaternary Studies (now the Climate Change Institute)

Chief organizer of the Maine Ice Age Trail project

Public outreach with numerous local community groups

Graduate and Postdoctoral Advisors

C. Wroe Wolfe – Boston Univ – deceased

Richard F. Flint – Yale Univ. – deceased

Graduate Students Advisees

D. Rhoades (M.S., 1963),

P. Ballron (M.S., 1979)

S. Kite (M.S., 1980)

K. Brady (M.S., 1982)

L. McNally (Ph.D., 1994)

K. Kreutz (MS., 1994)

G. Barnhardt (Ph.D., 1994)

J. Donner (M.S./, 1995)

C. Dorion (M.S., 1997)

E. Whitney-Smith (Ph.D., 2001)

A. Wanamaker (Ph.D., 2007)

L. Bostwick (M.S., 1978),

D. Michelson (M.S., 1979)

M. Bingham (M.S., 1981)

K. Bebold (Ph.D., 1993)

M. Kaplan (M.S., 1994)

A. Stroeven (M.S., 1994)

C. Crossen (M.S., 1995)

M. Jager (M.S., 1996)

B. Hall (Ph.D., 1997)

G. Bromley (M.S., 2005)

RECENT COLLABORATORS

R. Ackert - Harvard

J. Fastook - University of Maine

B. Hall – University of Maine

A. Dieffenbacher-Krall – University of Maine

S. Mukhopadhyay – Harvard

W. Thompson – Maine Geological Survey

T. Weddle – Maine Geological Survey