

Douglas R. MacAyeal

(a) Professional preparation.

Brown University	Physics	ScB./1976
University of Maine	Physics	M.S./1979
Princeton University	Geophysical Fluid Dynamics	PhD/1983

(b) Appointments.

1995 – present Professor, Geophysical Sciences, University of Chicago

1987 – 1995 Associate Professor, Geophysical Sciences, University of Chicago

1983 – 1987 Assistant Professor, Geophysical Sciences, University of Chicago

(c) Products.

(i1) MacAyeal, D. R., O. V. Sergienko and A. F. Banwell (2015). A Model of Viscoelastic Ice-Shelf Flexure. *Journal of Glaciology*, 61(228), doi: 10.3189/2015JoG14J169.

(i2) MacAyeal, D. R., Y. Wang and E. A. Okal (2015), Ambient seismic, hydroacoustic, and flexural gravity wave noise on a tabular iceberg. *J. Geophys. Res. Earth Surf.*, 120, 200–211. doi: 10.1002/2014JF003250.

(i3) Banwell, A. F., D. R. MacAyeal and O. V. Sergienko (2013). Break-up of the Larsen B Ice Shelf triggered by chain-reaction drainage of supraglacial lakes. *Geophys. Res. Lett.*, 5872–5876, doi: 10.1002/2013GL057694.

(i4) MacAyeal, D. R. and O. V. Sergienko (2013), The flexural dynamics of melting ice shelves, *Ann. Glaciol.*, 54(63), 1-10, doi: 10.3189/AoG63A256.

(i5) LaBarbera, C. H. and D. R. MacAyeal (2011), Traveling supraglacial lakes on George VI Ice Shelf, Antarctica, *Geophys. Res. Lett.*, 38, L24501, doi: 10.1029/2011GL049970.

(ii1) MacAyeal, D. R., D. S. Abbot and O. V. Sergienko (2011), Iceberg capsizing tsunamigenesis, *Ann. Glaciol.*, 52(58), 51-56. See News and Views in 6 April, 2011, issue of *Nature*.

(ii2) MacAyeal, D. R., E. A. Okal, R. C. Aster and J. N. Bassis (2009), Seismic Observations of Glaciogenic Ocean Waves (Micro-Tsunamis) on Icebergs and Ice Shelves, *J. Glaciol.*, 55(190), 193-206.

(ii3) MacAyeal, D. R., E. A. Okal, R. C. Aster and J. N. Bassis (2008), Seismic and hydroacoustic tremor generated by colliding icebergs, *J. of Geophys. Res.*, 113, F03011, doi: 10.1029/2008JF001005.

(ii4) MacAyeal, D. R., M. H. Okal, J. E. Thom, K. M. Brunt, Y.-J. Kim and A. K. Bliss (2008), Tabular iceberg collisions within the coastal regime, *J. Glaciol.*, 54(118), 371-386.

(ii5) MacAyeal, D. R., T. A. Scambos and C. L. Hulbe (2003), Catastrophic ice-shelf break-up by an ice-shelf-fragment-capsize mechanism, *J. Glaciol.*, 49(164), 22-36.

(d) Synergistic Activities.

(1) President of the International Glaciological Society (IGS), 2011-present.

(2) IRIS/PASSCAL (Program for Array Seismic Studies of Continental Lithosphere) Instrument Center Standing Committee, 2009-2012.

(3) Was the research mentor for 11 undergraduate and high-school research interns as part of current and previous NSF funded projects: LaBarbera, Wooley, Styron, Vidonish, Wilder, Boghosian, Goldberger, Correa, Caballero, Koppaka, Berman.

(4) Co-Chief Editor of Annals of Glaciology, No. 66 (associated with topics of an IGS symposium in Beijing, China)

(5) Reporter for IGS newsletter, ICE. Author of many symposium reports, starting in 2005 to present issue.

(e) Collaborators and Other Affiliations.

(i) co-authors and co-editors:

D. Abbot, University of Chicago
J. Amundson, University of Alaska SE
R. Aster, New Mexico Institute of Technology
A. Banwell, University of Cambridge
J. Bassis, University of Michigan
R. Bauer, NSIDC
Behar, unknown
A. Boghosian, LDEO
P. Bromirski, Scripps Institution of Oceanography
K. Brunt, NASA/GSFC
J. Burton, University of Chicago
L. M. Cathles, University of Chicago
S. Correa, unknown
K. Darnell, U. Texas
de Keyser, unknown
R. Drucker, University of Washington
J. Freed-Brown, University of Chicago
H. Fricker, Scripps Institution of Oceanography
N. Guttenberg, unknown
T. Haran, NSIDC
D. Holland, NYU
M. King, University of Newcastle
O. Sergienko, Princeton University

W. Wang, NASA/GSFC
W. Zhang, University of Chicago

(ii) Graduate advisors and postdoctoral sponsors
Kirk Bryan, retired
Robert H. Thomas, deceased

(iii) Thesis advisor and postdoctoral-scholar sponsor. Graduate students advised: 15 |
Postdoctoral-scholars sponsored: 4

PhD students:
K. Brunt, NASA/GSFC
M. Cathles, University of Michigan (September, 2013)
R. Grumbine, National Weather Service
C. Hulbe, University of Otago
C. Jackson, University of Texas
D. Lindstrom, American School, Kinshasa
O. Sergienko, Princeton University
I. Turnbull, Canatec Associates Int., Ltd.

Postdoctoral scholars:
J. Amundson, University of Alaska SE
A. Banwell, University of Cambridge, UK
J. Bassis, University of Michigan
M. Cathles, University of Michigan