

DONALD D. BLANKENSHIP

Curriculum Vitae

Institute for Geophysics, John A. and Katherine G. Jackson School of Geosciences, The University of Texas at Austin
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Education:

- 1989 Ph.D., University of Wisconsin-Madison (Geophysics), *Seismological Investigations of a West Antarctic Ice Stream*.
1982 M.S., University of Wisconsin-Madison (Geophysics), *Compressional Wave Anisotropy in the High Polar Ice of East Antarctica*.
1978 B.S. with High Honors, Eastern Illinois University (Geology).

Positions Held:

- 1996 - Present *Research Scientist*, Institute for Geophysics, The University of Texas at Austin.
2004 *Leverhulme Visting Professor*, University of Bristol, United Kingdom.
1991 - 1996 *Research Associate*, Institute for Geophysics, The University of Texas at Austin.
1989 - 1991 *University Fellow / Research Associate*, Byrd Polar Research Center / Ohio Supercomputer Center, The Ohio State University.
1978 - 1989 *Graduate Research Assistant / Assistant Researcher*, Geophysical and Polar Research Center, University of Wisconsin-Madison.
1978 - 1979 *Field Assistant*, US Geological Survey.

National/International Service:

- 2006 - Present *Member*, Europa Flagship, Science Definition Team (NASA).
2005 - Present *Member*, Radio Echo Sounding Committee, Special Programme for Antarctic Climate Evolution (ACE), Scientific Committee for Antarctic Research (SCAR).
1991 - Present *Member*, Steering Committee for the West Antarctic Ice-Sheet (WAIS) Initiative.
2003 - 2005 *Member*, Science Definition Team, Jupiter Icy Moons Orbiter (JIMO), NASA.
2000 - 2003 *Member*, Amundsen Sea Embayment Working Group (WAIS).
1994 - 2002 *Scientific Director*, SOAR (Support Office for Aerogeophysical Research); a National Science Foundation (NSF) facility for aerogeophysical research in Antarctica.
1998 - 1999 *Chair*, Instrument Definition Team, Europa Radar Sounder, NASA.
1998 - 1999 *Member*, Science Definition Team, Europa Orbiter, NASA.
1990 - 1994 *Member*, Steering Committee for Antarctic Offshore Acoustic Stratigraphy, (SCAR).

Awards/Recognition: *Jackson Fellow*, (Jackson School of Geosciences, University of Texas, 2005/2006); *NASA Achievement Award* (for JIMO Science Definition Team, 2005); *Leverhulme Fellow* (University of Bristol, 2004); *Blankenship Glacier*, (US Board of Geographic Names, 1994); *Top Fifty Science Stories* (Discover Magazine, 1993); *University Fellow*, (Ohio State University, 1989/1990); *Antarctic Service Medal* (US Navy, 1979).

Field Work: *West Antarctic Ice Sheet, Ross and Amundsen Sea Embayments* (airborne geophysical studies, 2004); *Ice Stream D, West Antarctica and Transantarctic Mountains* (airborne radioglaciology, 2001); *Transantarctic Mountains and East Antarctic Subglacial Basins/Lakes*, (airborne geophysical studies: 1998, 1999 and 2000); *West Antarctic Ice Sheet and Rift System* (radioglaciological and aerogeophysical studies: 1990/91, 1991/92, 1992/93, 1994/95, 1995/96, 1996/97); *Kazakhstan USSR* (nuclear test monitoring, 1989); *Ice Streams B and C, West Antarctica* (seismic and radioglaciological studies: 1983/84, 1985/86 and 1987/88); *Dye III, Greenland Ice Sheet* (borehole geophysics, 1982); *Dome C, East Antarctic Ice Sheet* (seismic and potential-fields studies: 1978/79, 1979/80 and 1981/82).

Educational Activities: *Supervisor - Postdoctoral Research* (Duncan Young, in progress; Lopamudra Roy, 2003). *Supervisor - Ph.D in Geophysics* (Theresa Diehl, Irina Filina, Sasha Carter and Eric Leuro, all in progress), *Co-supervisor - Ph.D in Geophysics* (Jamin Greenbaum, in progress), *M.S. in Geophysics* (Hunter Danque, in progress), *M.S. in Geology* (Marcy Davis, 2001), *M.E. in Electrical Engineering* (Mahesh Rajagopalan, 1998) and *B.S. in Physics* (Jennifer Doeblner, 2001). *Committee Member - Ph.D. in Geophysics* (Van Nuth and George Tsoflias, 1999) and *M.S. in Computer Science* (Laura Connor, 1999). *Member - Advisory Board for GLACIER* (Global Links: Antarctic Climate and Ice-sheet Evolution Research, an NSF middle-school educational initiative, 1996-1999). *Research Advisor - Grade 12 Science Apprentices* (twenty students largely from historically under-represented groups in science, 1992-2004).

Societies: American Geophysical Union, International Glaciological Society and the American Association for the Advancement of Science.

PUBLICATIONS IN REVIEW

Carter, S.P., D.D. Blankenship, D.A. Young, M.E. Peters, J.W. Holt. and M.J. Siegert. Evolving distributed drainage implied by the flow evolution of the Adventure Subglacial Trench outburst flood, East Antarctica. **Earth and Planetary Science Letters** (in review).

PUBLICATIONS IN PRESS

Peters, M.E., D.D. Blankenship, S.P. Carter, D.A. Young, S.D. Kempf and J.W. Holt. Along-track focusing of airborne radar sounding data from West Antarctica for improving basal reflection analysis and layer detection. **IEEE Transactions on Geoscience and Remote Sensing** (in press).

PUBLICATIONS

Carter, S.P., D.D. Blankenship, M.E. Peters, D.A. Young, J.W. Holt and D.L. Morse. Radar based Antarctic subglacial lake classification in Antarctica. **Geochemistry, Geophysics, Geosystems**, vol. 8, no. Q03016, doi:10.1029/2006GC001408 (2007).

Golynsky, A., D. Blankenship, M. Chiappini, D. Damaske, F. Ferraccioli, C. Finn, D. Golynsky, A. Goncharov, T. Ishihara, S. Ivanov, W. Jokat, H. Rae Kim, M. König, V. Masolov, Y. Nogi, M. Sand, M. Studinger, and the ADMAP Working Group. New magnetic anomaly map of East Antarctica and surrounding region. In Cooper A., C. Raymond and the ISAES editorial team (ed's.), **Antarctica: A Keystone in a Changing World**, U.S. Geological Survey and The National Academies, USGS OFR-2007-1047, short research paper 050, 5p., doi:10.3133/OF2007-1047.srp050 (2007).

Peters, M.E., D.D. Blankenship, D.E. Smith, J.W. Holt and S.D. Kempf. The distribution and classification of bottom crevasses from radar sounding of a large tabular iceberg. **IEEE Geoscience and Remote Sensing Letters**, vol. 4, no.1, p.142-146, doi:10.1109/LGRS.2006.887057 (2007).

Bingham, R.G., M.J. Siegert, D.A. Young and D.D. Blankenship. Organized flow from the South Pole to the Filchner-Ronne ice shelf: An assessment of balance velocities in interior East Antarctica using radio-echo sounding data. **Journal of Geophysical Research**, vol. 112, no. F03S27, doi: 10.1029/2006JF00056 (2007).

Filina, I., V. Lukin, V. Masolov and D. Blankenship. Unconsolidated sediments at the bottom of Lake Vostok from seismic data. In Cooper A., C. Raymond and the ISAES editorial team (ed's.), **Antarctica: A Keystone in a Changing World**, U.S. Geological Survey and The National Academies, USGS OFR-2007-1047, short research paper 031, 5p., doi:10.3133/OF2007-1047.srp031 (2007).

Filina, I., D.D. Blankenship, L. Roy, M. Sen, T. Richter and J. Holt. Inversion of airborne gravity data acquired over subglacial lakes in East Antarctica. In Futterer, D.K., D. Damaske, G. Kleinschmidt, H. Miller and F. Tessensohn, ed's. **Antarctica: Contributions to Global Earth Sciences**, Springer-Verlag, Berlin, Heidelberg and New York, p. 129-134 (2006).

Holt, J.W., D.D. Blankenship, D.L. Morse, D.A. Young, M.E. Peters, S.D. Kempf, T.G. Richter, D.G. Vaughan and H.F.J. Corr. New boundary conditions for the West Antarctic Ice Sheet: Subglacial topography beneath Thwaites and Smith glacier catchments. **Geophysical Research Letters**, vol.33, no. L09502, doi:10.1029/2005GL025561 (2006)

Lawver, L.A., D.D. Blankenship and L.M. Gahagan. East Antarctica: Onshore-offshore uncertainties from cryospheric evolution. **Terra Antarctica**, vol. 12, p. 177-186 (2006).

Chen, J.L, C.R. Wilson, D.D. Blankenship and B.D. Tapley, Antarctic mass rates from GRACE. **Geophysical Research Letters**, vol.33, no. L11502, doi:10.1029/2006GL026369 (2006).

Holt, J.W., T.G. Richter, S.D. Kempf, D.L. Morse and D.D. Blankenship. Airborne gravity over Lake Vostok and adjacent highlands, East Antarctica. **Geochemistry, Geophysics, Geosystems**, vol. 7, no. Q11012, doi:10.1029/2005GC001177 (2006).

Holt, J.W., M.E. Peters, D.L. Morse, D.D. Blankenship, L.E. Lindzey, J.L. Kavanaugh and K.M. Kuffey, Identifying and characterizing subsurface echoes in airborne radar sounding data from a high-clutter environment in Taylor Valley, Antarctica. **Proceedings of the 11th International Conference on Ground Penetrating Radar**, June 19-22, 2006, Columbus, Ohio, 5 pp (2006).

Holt, J.W., M.E. Peters, S.D. Kempf, D.L. Morse and D.D. Blankenship. Echo source discrimination in single-pass airborne radar sounding data from the Dry Valleys, Antarctica: Implications for orbital sounding of Mars. **Journal of Geophysical Research**, vol. 111, no. E06S24 (2006).

Vaughan, D.G., H.F.J. Corr, F. Ferraccioli, N. Frearson, A. O'Hare, D. Mach, J.W. Holt, D.D. Blankenship, D.L. Morse and D.A. Young. New boundary conditions for the West Antarctic ice sheet: Subglacial topography beneath Pine Island Glacier. **Geophysical Research Letters** vol.33,no. L09501, doi:10.1029/2004F000202 (2006).

- Davis, M.B. and D.D. Blankenship. Geology of the Scott-Reedy Glaciers area, southern Transantarctic Mountains, Antarctica, **Map and Chart Series, The Geological Society of America**, , MCH093 (2005).
- Peters, M.E., D.D. Blankenship and D.L. Morse. Analysis techniques for coherent airborne radar sounding: Application to West Antarctic ice streams. **Journal of Geophysical Research**, vol. 110, B06303, p. 1-17 (2005).
- Roy, L., M.K. Sen, D.D. Blankenship, P.L. Stoffa and T.G. Richter. 3-D inversion of airborne gravity over Lake Vostok, East Antarctica. **Geophysics**, vol. 70, no. 1, p. J1-J12 (2005).
- Siegert, M.J., S.P. Carter, I. Tabacco, S. Popov and D.D. Blankenship. A revised inventory of subglacial lakes. **Antarctic Science**, vol. 17, no. 3, p. 453-460 (2005).
- Seigert, M.J., B. Welch, D. Morse, A. Vieli, D.D. Blankenship, I. Joughin, E.C. King, G.J.M.C. Leysinger Vieli, A.J. Payne and R. Jacobel. Ice flow direction change in interior West Antarctica. **Science**, vol. 305, no. 5692, p. 1948-1951 (2004).
- Behrendt, J.C., D.D. Blankenship, D.L. Morse and R.E. Bell. Shallow-source aeromagnetic anomalies observed over the West Antarctic Ice Sheet compared with coincident bed topography from radar ice sounding-new evidence for glacial "removal" of subglacially erupted late Cenozoic rift-related volcanic edifices. **Global and Planetary Change**, vol. 42, p. 177-193 (2004).
- Tsoflias, G.P., J. Van Gestel, P.L. Stoffa, D.D. Blankenship and M. Sen. Vertical fracture detection by exploiting the polarization properties of ground-penetrating radar signals. **Geophysics**, vol. 69, no. 3, p. 803-810, (2004).
- Studinger, M., R.E. Bell, W.R. Buck G.D. Karner and D.D. Blankenship. Sub-ice geology inland of the Transantarctic Mountains in light of new aerogeophysical data. **Earth and Planetary Science Letters**, vol. 220, no. 3-4, p. 391-408, (2004).
- Studinger, M., R.E. Bell, G.D. Karner, A.A. Tikku, J.W. Holt, D.L. Morse, T.G. Richter, S.D. Kempf, M.E. Peters, D.D. Blankenship, R.E. Sweeney and V. Rystrom. Ice cover, landscape setting, and geological framework of Lake Vostok, East Antarctica. **Earth and Planetary Science Letters**, vol. 205, no. 3-4, p. 195-210 (2003).
- Behrendt, J. C., D. D. Blankenship, D. L. Morse, C. A. Finn, R. E. Bell. Comparison of subglacial volcanic features beneath the West Antarctic ice sheet interpreted from aeromagnetic and radar ice sounding with similar, but more accessible, structures in Iceland. In Smellie, J.L. and M.G. Chapman (eds.), **Volcano-Ice Interaction on Earth and Mars**. Geological Society Special Publication 202, Geological Society Publishing House, Bath, U.K. 432 pp. (2002).
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- Morse, D. L., D. D. Blankenship, E. D. Waddington and T. A. Neumann. A site for deep ice coring in West Antarctica: Results from aerogeophysical surveys and thermo-kinematic modeling. **Annals of Glaciology**, vol. 35, p. 36-44 (2002).
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- Studinger, M., R. E. Bell, C. A. Finn and D. D. Blankenship. Mesozoic and Cenozoic extensional tectonics of the West Antarctic rift system from high-resolution airborne geophysical mapping. In Gamble J.A., D.N.B Skinner, S. Henrys and R. Lynch, eds., **Antarctica at the Close of a Millennium**, Proceedings of the Eighth International Symposium on Antarctic Earth Sciences, Royal Society of New Zealand Bulletin, vol. 35, p. 563-569 (2002).
- Blankenship, D. D., D. L. Morse, C. A. Finn, R. E. Bell, M. E. Peters, S. D. Kempf, S. M. Hodge, M. Studinger, J. C. Behrendt, and J. M. Brozena. Geological controls on the initiation of rapid basal motion for West Antarctic ice streams: A geophysical perspective including new airborne radar sounding and laser altimetry results. In Alley, R. B. and R. A. Bindschadler eds., **The West Antarctic Ice Sheet: Behavior and Environment**, American Geophysical Union, p. 105-121 (2001).
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- Studinger, M., R. E. Bell, D. D. Blankenship, C. A. Finn, R. A. Arko, D. L. Morse and I. Joughin. Subglacial sediments: A widespread geological template for ice flow in West Antarctica. **Geophysical Research Letters**, vol. 28, no. 18, p. 3493-3496 (2001).
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- Anandakrishnan, S., D.D. Blankenship, R.B. Alley and P.L. Stoffa. Influence of subglacial geology on the position of a West Antarctic ice stream from seismic observations. **Nature**, vol. 394, no. 6688, p. 62-65 (1998).

- Bell, R.E., D.D. Blankenship, C.A. Finn, D.L. Morse, T.A. Scambos, J.M. Brozena and S.M. Hodge. Influence of subglacial geology on the onset of a West Antarctic ice stream from aerogeophysical observations. **Nature**, vol. 394, no. 6688, p. 58-62 (1998).
- Behrendt, J.C., C.A. Finn, D.D. Blankenship and R.E. Bell. Aeromagnetic evidence for a volcanic caldera(?) complex beneath the divide of the West Antarctic ice sheet. **Geophysical Research Letters**, vol. 25, no. 23, p. 4385-4388 (1998).
- Behrendt, J.C., D.D. Blankenship, D. Damaske, A.K. Cooper, C. Finn and R.E. Bell. Geophysical evidence for Late Cenozoic subglacial volcanism beneath the West Antarctic Ice Sheet and additional speculation as to its origin. In Rice, C.A., ed., **The Antarctic Region: Geological Evolution and Processes**, Terra Antarctica Publication, Siena, p. 539-546 (1997).
- Behrendt, J.C., R. Saltus, D. Damaske, A. McCafferty, C.A. Finn, D.D. Blankenship and R.E. Bell. Patterns of late Cenozoic volcanic and tectonic activity in the West Antarctic rift system revealed by aeromagnetic surveys. **Tectonics**, vol. 15, no. 2, p. 660-676 (1996).
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- Behrendt, J.C., D.D. Blankenship, D. Damaske and A.K. Cooper. Glacial removal of late Cenozoic subglacially emplaced volcanic edifices by the West Antarctic ice sheet. **Geology**, vol. 23, no. 12, p. 1111-1114 (1995).
- Behrendt, J.C., D.D. Blankenship, C.A. Finn, R.E. Bell, R. Sweeney, S.M. Hodge and J.M. Brozena. Evidence of late Cenozoic volcanic activity in the West Antarctic rift system revealed by the CASERTZ aeromagnetic survey. **Geology**, vol. 22, p. 527-530 (1994).
- Sweeney, R. and the CASERTZ Group. **Aeromagnetic Maps of the Interior Ross Embayment, West Antarctica: Folio A**. Open File Report 94-122, U.S. Geological Survey (1994).
- Blankenship, D.D., R.E. Bell, S.M. Hodge, J.M. Brozena, J.C. Behrendt and C.A. Finn. Active volcanism beneath the West Antarctic ice sheet and implications for ice-sheet stability. **Nature**, vol. 361, p. 526-529 (1993).
- Blankenship, D.D. and R.E. Bell. Delving into the West Antarctic ice sheet. **Geotimes**, vol. 38, no. 8, p. 12-15 (1993).
- Bell, R.E., B.J. Coakley, D. D. Blankenship, S. M. Hodge and J.M. Brozena. Airborne gravity from a light aircraft. In Columbo, O.L. ed., **From Mars to Greenland: Charting Gravity with Space and Airborne Instruments -- Fields, Tides, Methods, Results**. Springer Verlag, New York, p. 201-209 (1993).
- Bell, R.E., B.J. Coakley, D.D. Blankenship, S.M. Hodge, J.M. Brozena and J. Jarvis. Airborne gravity from a light aircraft: CASERTZ 1990-91. In Yoshida Y., K. Kaminuma and S. Shiraiishi, eds., **Recent Progress in Antarctic Earth Science**, TERRAPUB, Tokyo, p. 571-577 (1993).
- Rooney, S.T., D.D. Blankenship, R.B. Alley and C.R. Bentley. Seismic reflection profiling of a sediment filled graben beneath ice stream B, West Antarctica. In Thomson, M.R.A., J.A. Crame and J.W. Thomson, eds., **Geological Evolution of Antarctica**, Cambridge University Press, Cambridge, p. 261-265 (1991).
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- Alley, R.B., D.D. Blankenship, S.T. Rooney and C.R. Bentley. Water-pressure coupling of sliding and bed deformation: III. Application to ice stream B. **Journal of Glaciology**, vol. 35, p. 130-139 (1989).
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- Blankenship, D.D. and C.R. Bentley. The crystalline fabric of polar ice sheets inferred from seismic anisotropy. In Waddington, E.D. and J.S. Walder, eds., **The Physical Basis of Ice Sheet Modelling**, International Association of Hydrological Sciences Publication No. 170, p. 17-28 (1987).
- Blankenship, D.D., S. Anandakrishnan, J.L. Kempf and C.R. Bentley. Microearthquakes under and alongside ice stream B, Antarctica, detected by a new passive seismic array. **Annals of Glaciology**, vol. 9, p. 30-34 (1987).
- Alley, R.B., D.D. Blankenship, C.R. Bentley and S.T. Rooney. Till beneath ice stream B. 3. Till deformation: evidence and implications. **Journal of Geophysical Research**, vol. 9, no. B9, p. 8921-8929 (1987).
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- Alley, R.B., D.D. Blankenship, S.T. Rooney and C.R. Bentley. Continuous till deformation beneath ice sheets. In Waddington, E.D. and J.S. Walder, eds. **The Physical Basis of Ice Sheet Modelling**, International Association of Hydrological Sciences Publication No. 170, p. 81-91 (1987).
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- Rooney, S.T., D.D. Blankenship and C.R. Bentley. Seismic refraction measurements of crustal structure in West Antarctica. In McKenzie, G.D., eds., **Gondwana Six: Structure, Tectonics, and Geophysics**, Geophysical Monograph 40, American Geophysical Union, p. 1-8 (1987).
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- Blankenship, D.D., C.R. Bentley, S.T. Rooney and R.B. Alley. Seismic measurements reveal a saturated, porous layer beneath an active Antarctic ice stream. **Nature**, vol. 322, no. 6074, p. 54-57 (1986).
- Alley, R.B., D.D. Blankenship, C.R. Bentley and S.T. Rooney. Deformation of till beneath ice stream B, West Antarctica. **Nature**, vol. 322, no. 6074, p. 57-59 (1986).
- Amos, D.H. and D.D. Blankenship. **Geological Map of the Bell City Quadrangle, Missouri**. Miscellaneous Field Studies Map MF-1206, U.S. Geological Survey (1980).
- Amos, D.H. and D.D. Blankenship. **Geological Map of the Advance Quadrangle, Missouri**. Miscellaneous Field Studies Map MF-1197, U.S. Geological Survey (1980).

INVITED LECTURES, TALKS AND KEYNOTE ADDRESSES

- Understanding ice/water/earth dynamics through airborne characterization of subglacial environments. Invited Talk, **Geoscience Research on Antarctic Subglacial Environments Workshop**, University of California, Santa Barbara, September 1, 2007.
- Antarctic subglacial lake environments. Invited Lecture, **The Center for Space Research, University of Texas at Austin**, Austin, Texas, April 10, 2007.
- The distribution of Antarctic subglacial lake environments with implications for their origin and evolution. Invited Lecture, **U.S. Committee on Principles of Environmental Stewardship for the Exploration and Study of Subglacial Environments, National Academy of Sciences**, Washington D.C., September 14, 2006.
- The distribution of Antarctic subglacial lake environments with implications for their origin and evolution. Keynote Address, **Workshop on Subglacial Antarctic Lake Environments in the International Polar Year**, Grenoble, France, April 24-25, 2006.
- The detection and validation of sub-ice water systems through coupled airborne radar/lidar investigations. Invited Talk, **Special Session on Terrestrial and Planetary Surface Processes from Lidar, Radar, and Imaging**, San Francisco, California, December 7, 2005. [Blankenship, D.D., M.E. Peters, D.L. Morse and D.A. Young. **EOS**, vol. 86, no. 52, abstract P33D-03.].
- The exploration of Jupiter's icy moons. Invited Lecture, **School of Geographical Sciences, University of Bristol**, United Kingdom, July 16, 2004.
- Earth's ice sheets and ice shelves as an analog for Europa's icy shell. Invited Lecture, **Workshop on Europa's Icy Shell**, Houston, Texas, February 6-8, 2004.
- Terrestrial radar sounding studies of thermal, compositional and structural interfaces analogous to those hypothesized for Europa's icy mantle. Invited Talk, **Special session on Applications of Planetary Radars**, San Francisco, California, December 11, 2003. [Blankenship, D.D., M.E. Peters, D.L. Morse. **EOS**, vol. 84, no. 46, abstract P42B-07.].
- A science foundation for orbital subsurface radar sounding of Jupiter's icy moons. Invited Talk, **Special Session on the Scientific Rationale for the Jupiter Icy Moons Orbiter Mission**, San Francisco, California, December 8, 2003. [Blankenship, D.D., D.P. Winebrenner, B.A. Campbell, R.T. Pappalardo, D.T. Sandwell. **EOS**, vol. 84, no. 46, abstract P11C-04.].
- Subsurface radar. Invited Talk, **Forum on Concepts and Approaches for Jupiter Icy Moons Orbiter**, Houston, Texas, June 12-14, 2003.
- Investigating the crustal elements of the Antarctic Plate with airborne radar sounding. Invited Talk, **Structure and Evolution of the Antarctic Plate (SEAP 2003) Workshop**, Boulder, Colorado, March 3-5, 2003.
- Investigating the crustal elements of the central Antarctic Plate (ICECAP): Long-range aerogeophysics as a foundation for access drilling in East Antarctica. Invited Talk, **FASTDRILL 2002 Workshop: Interdisciplinary Polar Research Based on Fast Ice-Sheet Drilling**, Santa Cruz, California, October 3-6, 2002. [Blankenship, D.D., D.L. Morse, I.W.D. Dalziel, L.A. Lawver, J.M. Brozena and V.A. Childers.].
- Structural and hydrogeological characterization of subglacial lithosphere from airborne radar sounding. Invited Talk, **Remote Views and Exploration of Antarctic Lithosphere (REVEAL) Workshop**, Denver, Colorado, August 5-8, 2002.
- The influence of subglacial geology on ice streaming processes and ice stream evolution in West Antarctica. Keynote Address, **International Symposium on Palaeo-Ice Streams**, Aarhus, Denmark, October 18, 2001.
- The evolution of the West Antarctic ice sheet; from global sea-level change to life on Jupiter's moons. Keynote Address, **Compaq Executive Forum on High Performance Technical Computing**, Scottsdale, Arizona, April 2, 2001.
- Lithospheric controls on the evolution of the West Antarctic ice streams: An application of high-resolution airborne geophysics. Invited Lecture, **Department of Earth Science, University of California, Santa Cruz**, January 16, 2001.
- Radar detection and characterization of water systems beneath terrestrial (and other) ice sheets. Invited Lecture, **Department of Geological Sciences, University of Texas at Austin**, April 7, 2000.
- Other Lakes. Invited Talk, **International Workshop on Lake Vostok**, Cambridge, U. K., September 26-28, 1999.
- SOAR Red Eyes: Aerogeophysics in Antarctica. Invited Lecture, **South Pole Station**, December 12, 1998.
- Remote sensing projects and possibilities in Antarctica: Airborne systems. Invited Talk, **NASA Workshop on the Next Decade of Antarctic Research**, Madison, Wisconsin, July 14-16, 1998.

- Antarctic applications of airborne ice penetrating radar. Invited Talk, **Europa Radar Sounder Initiative Workshop**, Pasadena, California, April 27-29, 1998.
- Evolution of ice sheets and ice covered lithosphere from aerogeophysical and space based observations. Invited Talk, **Symposium on Space-Based Geoscience Observations: Looking Down at the Future**, Austin, Texas, February 5-6, 1998.
- A technical overview of the Support Office for Aerogeophysical Research. Invited Talk, **Workshop on Aerogeophysical Research Opportunities in Antarctica**, Arlington, Virginia, March 18-19, 1996.
- Airborne geophysics in West Antarctica: Do lithospheric characteristics control the evolution of the West Antarctic ice sheet? Invited Lecture, **Lamont Doherty Earth Observatory, Columbia University**, Palisades, New York, May 3, 1994.
- Geophysics of the Interior Ross Embayment and Transantarctic Mountains boundary. Invited Talk, **Workshop on the Geodynamic Evolution of the Transantarctic Mountains and the West Antarctic Rift: A Linked system**, Estes Park, Colorado, April 20-24, 1994. [Blankenship, D. D., R. E. Bell and C. A. Finn. In Wilson T. J. and C. A. Finn, eds., **Report No. 9**, Byrd Polar Research Center, Columbus, Ohio, p. 124 (1996)]
- Lithospheric controls on the dynamics of the West Antarctic ice sheet: an approach based on broad-spectrum aerogeophysics. Invited Lecture, **Department of Geoscience, New Mexico Institute of Mining and Technology**, Socorro, New Mexico, March 31, 1994.
- Geological controls on the behavior of the West Antarctic ice sheet, Invited Lecture, **Department of Geology and Geophysics, Rice University**, Houston, Texas, March 23, 1994.
- Airborne geophysical profiling: laser/radar altimetry and topographic mapping. Invited Talk, **National Research Council Workshop on Airborne Geophysics**, Washington, D.C., July 12-14, 1993.
- Aerogeophysics in the Interior Ross Embayment of West Antarctica. Invited Talk, **Workshop on the Crustal Structure of the Transantarctic Mountains and Adjacent Ross Sea Depression**, Trieste, Italy, June 3-5, 1993. [Blankenship, D. D., R. E. Bell and the CASERTZ Group. **Terra Antarctica**, vol. 1, no. 3, p. 507 – 508 (1994)]
- The depositional environment at the grounding zone of a contemporary Antarctic ice stream. Invited Talk, **Special Session on Ice and the Sedimentary Record**, Baltimore, Maryland, May 27, 1993. [Blankenship, D. D.. **EOS**, vol. 75, no. 10, p. 102 (1993)]
- Airborne geophysics in West Antarctica. Invited Lecture, **Department of Geology and Geophysics, Victoria University**, Wellington, New Zealand, February 3, 1993.
- Airborne measurement of ice sheet elevation. Invited Talk, **Special Session on Aerogeophysical Applications of Kinematic GPS**. San Francisco, California, December 10, 1992. [Blankenship, D. D., R. E. Bell and V.A. Childers. **EOS**, vol. 73, no. 43, p. 129 (1992)]
- The dynamics and depositional environment of ice stream B, West Antarctica from geophysical evidence. Invited Lecture, **Department of Geology, University of Oslo**, Oslo, Norway, April 15, 1991.
- Glaciological influences on sedimentological processes in the Ross Embayment. Invited Talk, **International Workshop on Antarctic Offshore Acoustic Stratigraphy (ANTOSTRAT)**, Pacific Grove, California, June 7-10, [Blankenship, D. D., R. B. Alley and S. T. Rooney. **Open File Report 90-309**, U. S. Geological Survey, p. 79-90 (1990)]
- The importance of solid earth geophysics on understanding the role of West Antarctica in global climate change. Invited Talk, **Workshop on Sea Level Response to Ice-Sheet Evolution**, College Park, Maryland, January 23-25, 1990.
- Fast-moving glaciers of the West Antarctic: Do they link global change to global calamity? Invited Lecture, **Autumn Quarter Lecture Series**, The Ohio State University, Columbus, Ohio, October 20, 1989.
- An airborne radiogeophysical traverse of West Antarctica along the 120° meridian. Invited Talk, **Workshop on the Antarctic International Lithosphere Project (ANTALITH)**, Washington, D.C., July 19-22, 1989.
- Fabric development in ice sheets: seismic anisotropy. Invited Talk, **Special Session on Ductile Flow and Seismic Anisotropy**, Baltimore, Maryland, May 7, 1989. [Blankenship, D. D., R. B. Alley and C. R. Bentley. **EOS**, vol. 70, no. 15, p. 462 (1989)]
- A Scientific framework for corridor aerogeophysics in the Southeastern Ross Transect Zone, Antarctica. Invited Lecture, **National Mapping Division**, U. S. Geological Survey, Reston, Virginia, January 22, 1989.

**PRESENTATIONS [AND PUBLISHED ABSTRACTS] AT PROFESSIONAL MEETINGS
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- Blankenship, D.D., M.E. Peters, D.A. Young and J.W. Holt. Radar sounding of Europa's icy shell: the view after new results from Mars and Antarctica. **38th Lunar and Planetary Science Conference**, Houston, Texas, March 12-16, 2007. [abstract 2409, Lunar and Planetary Institute, 2p. (2007)].
- Joughin, I; J. Bamber, D. Vaughan, J. Holt, D. Blankenship, D. MacAyeal. Basal shear stress for Pine Island and Thwaites glaciers, Antarctica (invited). [**Geophysical Research Abstracts**, vol. 8, abstract EGU07-A-04566, (2007)].
- Blankenship, D.D., J.M. Brozena, M.J. Siegert and the ICECAP team. Investigating the cryospheric evolution of the Central Antarctic Plate (ICECAP): Internationally coordinated long-range aerogeophysics over Dome A, Dome C and the Aurora Subglacial Basin of East Antarctica. [**Geophysical Research Abstracts**, vol. 8, abstract EGU06-A-09894, (2006)].
- Blankenship, D.D., D.A. Young, and S.P. Carter. The distribution of Antarctic subglacial lake environments with implications for their origin and evolution. [**EOS**, vol. 87, no. 52, abstract C54A-01, 2006].
- Carter, S.P., D.D. Blankenship, M.E. Peters and D.A. Young. Reflection classification of subglacial lakes. [**EOS**, vol. 87, no. 52, abstract C31A-1246, (2006)].
- Diehl, T.M., D.D. Blankenship and J.W. Holt. Subglacial geology of the Thwaites Glacier catchment, West Antarctica: Airborne gravity reduction and inversion. [**EOS**, vol. 87, no. 52, abstract C51C-06, (2006)].
- Filina, I., D. Blankenship and D. Young. The crustal structure beneath the onset region of Kamb Ice Stream, West Antarctica, from joint interpretation of airborne gravity and magnetic data. [**EOS**, vol. 87, no. 52, abstract C11A-1126, (2006)].
- Holt, J.W., D.D. Blankenship, M.E. Peters, D.G. Vaughan and H.F. Corr. A new model for conducting large-scale aerogeophysical studies in Antarctica through international collaboration. [**EOS**, vol. 87, no. 52, abstract C53B-06, (2006)].
- Young, D.A., D.D. Blankenship and M.E. Peters. Sub-kilometer scale basal roughness of the Siple Coast Ice Streams, West Antarctic Ice Sheet. [**EOS**, vol. 87, no. 52, abstract C41A-0294, (2006)].
- Young, D.A. D.D. Blankenship, J.W. Holt, D.L. Morse, E. Leuro, SD.. Kempf and M.E. Peters. Surface state of Thwaites Glacier and implications for its stress state from airborne laser altimetry and radar sounding. [**Geophysical Research Abstracts**, vol. 8, abstract EGU06-A-09866, (2006)].
- Behrendt, J.C., C.A. Finn and D.D. Blankenship. Examples of models fit to magnetic anomalies observed over subaerial, submarine, and subglacial volcanoes in the West Antarctic rift system. [**EOS**, vol. 87, no. 52, abstract V44A-02, (2006)].
- Blankenship D.D., D. A. Young, M. E. Peters, S. D. Kempf, D. Smith, L. Lindzey, K. Carver and J. W. Holt. Monitoring Iceberg B15a with airborne radar sounding. [**EOS**, vol. 86, no. 52, abstract C12B – 06, (2005)].
- Carter, S.P., D. D. Blankenship and M. E. Peters. Great lakes, cold lakes, and fuzzy lakes: An algorithm for characterizing diverse water environments beneath the East Antarctic ice sheet. [**EOS**, vol. 86, no. 52, abstract C13B-1074, (2005)].
- Holt, J.W., D. D. Blankenship, D. L. Morse, D. A. Young and D. G. Vaughan. New boundary conditions for ice sheet modeling of the Thwaites Glacier catchment from a multi-instrumented airborne geophysical survey of the Amundsen Sea Embayment, West Antarctica. [**EOS**, vol. 86, no. 52, abstract C21B-1096, (2005)].
- Peters, M.E., D. D. Blankenship, J. W. Holt, D. L. Morse and D. A. Young. Airborne radar sounding: A survey of the Thwaites Glacier Catchment of the Amundsen Sea Embayment, West Antarctica. [**EOS**, vol. 86, no. 52, abstract U23C-06, (2005)].
- Young, D.A., D. D. Blankenship, D. G. Vaughan and J. W. Holt. Buoyancy distribution around ice sheet grounding zones in the Western Amundsen Sea Embayment, Antarctica: Results from the AGASEA survey. [**EOS**, vol. 86, no. 52, abstract C43A-04, (2005)].
- Behrendt, J.C., C. A. Finn, D. L. Morse and D. D. Blankenship. Negative magnetic anomalies observed in the central West Antarctica (CWA) aerogeophysical survey over the West Antarctic Ice Sheet (WAIS), whose sources are volcanic centers (e.g. Mt Resnik) at the base of the ice. [**EOS**, vol. 86, no. 52, abstract V13D-0570, (2005)].
- Bingham, R.G., M. J. Siegert and D. D. Blankenship. Fast flow from the South Pole to Support Force Glacier. [**EOS**, vol. 86, no. 52, abstract C43A-07, (2005)].
- Diehl, T.M., J. W. Holt, D. D. Blankenship, T. G. Richter and I. Y. Filina. Comparison of new airborne gravity results and GRACE anomalies in the Thwaites Glacier catchment of the Amundsen Sea Embayment, West Antarctica. [**EOS**, vol. 86, no. 52, abstract G33A-0022, (2005)].
- Holt, J.M., M. E. Peters, S. D. Kempf, D. L. Morse and D. D. Blankenship. Challenges to airborne and orbital radar sounding in the presence of surface clutter: Lessons learned (so far) from the Dry Valleys of Antarctica. [**EOS**, vol. 86, no. 52, abstract P31C-0213, (2005)].
- Blankenship, D.D., J.M. Brozena, M.J. Seigert, D.L. Morse, I.W. Dalziel, L.A. Lawver, J.W. Holt, V.A. Childers, J.L. Bamber, A.J. Payne (2004). Investigating the crustal elements of the central Antarctic Plate (ICECAP): How long-range aerogeophysics is critical to understanding the evolution of the East Antarctic ice sheet. [**EOS**, vol. 85, no. 47, abstract C21A-0973, (2004)].

- Peters, L.E., S. Anandakrishnan, R. B. Alley, J. P. Winberry, D. D. Blankenship, D. L. Morse, A. M. Smith, E. C. King (2004). The Influence of a Subglacial Dilatant Till Beneath the Upstream Reaches of Bindschadler Ice Stream: Implications for Streaming Ice Flow. [EOS, vol. 85, no. 47, abstract C33D-04, (2004)].
- Peters, M.E., D. D. Blankenship, D. L. Morse. Characterizing Subglacial Interfaces With Airborne Radar Sounding Techniques. [EOS, vol. 85, no. 47, abstract C41D-02, (2004)].
- Siegert, M.J., S. Carter, I. Tabacco, S. Popov, D.D. Blankenship. A revised inventory of Antarctic subglacial lakes. [EOS, vol. 85, no. 47, abstract C43A-0218, (2004)].
- Smith, D.E., D.D. Blankenship, M.E. Peters, D.L. Morse. Radar Sounding Studies of Cracks at the Base of the Ross Ice Shelf, Antarctica. [EOS vol. 85, no. 47, abstract C43A-0223, (2004)].
- Davis, M.B., D.D. Blankenship, K.E. Ellins. The University of Texas Science and Engineering Apprentice Program as a Model for an REU Site. [EOS, vol. 85, no. 47, abstract ED41C-01, (2004)].
- Davis, M.B., D.D. Blankenship, J.W. Holt. Geology of the Southern Transantarctic Mountains, Antarctica, From Airborne Radar Sounding. [EOS, vol. 85, no. 47, abstract T11A-1235, (2004)].
- Behrendt, J.C., C.A. Finn, D.D. Blankenship, D.L. Morse. Do the Volcanic Rocks Erupted in the West Antarctic Rift System Beneath the West Antarctic Ice Sheet (WAIS), Interpreted From Aeromagnetic Surveys, Define a Large Igneous Province. [EOS, vol. 85, no. 47, abstract T14A-05, (2004)].
- Anandakrishnan, S., D.L. Morse, A.M. Smith, D.D. Blankenship, R.B. Alley, J.P. Winberry, L.E. Peters, D.E. Voigt, E.C. King, A. Mironov. Invited. Ice Stream D, West Antarctica, subglacial conditions from a combined seismic reflection, refraction, gravity and radar survey. [EOS, vol. 84, no. 46, abstract C21A-01 (2003)].
- Carter, S.P., D.D. Blankenship, D.L. Morse, M.E. Peters. Basal Water Flow, Melt and Accumulation in the Dome C "Lake District", Antarctica, Using Airborne Radar Profiling of Bed Echo Character and Internal Layering. [EOS, vol. 84, no. 46, abstract C31B-0399 (2003)].
- Davis, M.B., D.D. Blankenship. New Methods for Enhancing Subglacial Morphology From Airborne Radar Sounding With Implications for Uplift History and Glaciation Between the Transantarctic Mountain Front and the South Pole, Antarctica. [EOS, vol. 84, no. 46, abstract C31B-0401 (2003)].
- Filina, I., D.D. Blankenship, L. Roy, M. Sen, T. Richter. Inversion of Airborne Gravity Data over Subglacial Lakes in East Antarctica. [EOS, vol. 84, no. 46, abstract P51B-0446 (2003)].
- Holt, J.W., D.D. Blankenship, M.E. Peters, S.D. Kempf, B.J. Williams. Echo Source Discrimination in Airborne Radar Sounding Data From the Dry Valleys, Antarctica, for Mars Analog Studies, [EOS, vol. 84, no. 46, abstract P31B-1058 (2003)].
- Lindzey, L.E., D.D. Blankenship, M.E. Peters. Airborne Radar Sounding Studies of a Subglacial "Lake" Near South Pole Station, Antarctica. [EOS, vol. 84, no. 46, abstract C11C-0830 (2003)].
- Morse, D.L., D.D. Blankenship, E.D. Waddington. Radar evidence for stability of the Ross/Amundsen ice flow divide of the West Antarctic ice sheet. [EOS, vol. 84, no. 46, abstract C11C-0826 (2003)].
- Peters, L.E., S. Anandakrishnan, J.P. Winberry, R.B. Alley, D.D. Blankenship, D.L. Morse, A.M. Smith, E.C. King. Subglacial Sediments as a Control on the Location of Ice Streams C and D, West Antarctica, from Seismic Refraction and Reflection Imaging. [EOS, vol. 84, no. 46, abstract C21A-02 (2003)].
- Peters, M.E. , D.D. Blankenship, D.L. Morse. Invited. New Airborne Radar Sounding Approaches for Quantifying Basal Reflection and Scattering, With Application to Ice Stream C (and Whillans Ice Stream), West Antarctica. [EOS, vol. 84, no. 46, abstract C21A-04 (2003)].
- Ritzwoller, M., S. Anandakrishnan, R. Aster, D. Blankenship, I. Dalziel, C. Finn, B. Johns, B. Kennett, A. Lerner-Lam, A. Morelli, A. Nyblade, A. Reading, N. Shapiro, M. Studinger, S. Tulaczyk, D. Wiens, T. Wilson. Antarctic Array: A vision for seismology on an ice-bound continent. [EOS, vol. 84, no. 46, abstract C32C-05 (2003)].

**PRESENTATIONS [AND PUBLISHED ABSTRACTS] AT WORKSHOPS AND SYMPOSIA
(LAST 48 MONTHS)**

- Blankenship, D.D., M.E. Peters and D.A. Young.. Terrestrial analogs for radar sounding of Europa's icy shell: the view from Antarctica. **Workshop on Ices, Oceans, and Fire: Satellites of the Outer Solar System**, Boulder, Colorado, August 13-15, 2007 [abstract 6058, Lunar and Planetary Institute, 2p. (2007)]
- Carter, S.P., D.D. Blankenship , D.A. Young , and J. W. Holt. Ice surface anomalies, hydraulic potential and subglacial lake chains in East Antarctica. In, **Antarctica:.A Keystone in a Changing World - Online Proceedings for the Tenth ISAES**, edited by A. Cooper, C. Raymond and the ISAES editorial team, U.S. Geological Survey OFR-2007-1047, extended abstract 142, p. 1-4 (2007).
- Diehl, T.M., D.D. Blankenship , J.W. Holt , D.A. Young , T.A. Jordan and F. Ferraccioli. Locating subglacial sediments across West Antarctica with isostatic gravity anomalies. In, **Antarctica:.A Keystone in a Changing World - Online Proceedings for the Tenth ISAES**, edited by A. Cooper, C. Raymond and the ISAES editorial team, U.S. Geological Survey OFR-2007-1047, extended abstract 107, p. 1-4 (2007).
- Filina, I., D. Blankenship, V. Lukin, V. Masolov, M. Sen. New bathymetry model of Lake Vostok from airborne gravity data. In, **Antarctica:.A Keystone in a Changing World - Online Proceedings for the Tenth ISAES**, edited by A. Cooper, C. Raymond and the ISAES editorial team, U.S. Geological Survey OFR-2007-1047, extended abstract 178, p. 1-4 (2007).
- Holt, J.W.. D.D. Blankenship, F. Ferraccioli, D.G. Vaughan, D.A. Young, S.D. Kempf, T.M. Diehl. New aeromagnetic results from the Thwaites Glacier catchment, West Antarctica. In, **Antarctica:.A Keystone in a Changing World - Online Proceedings for the Tenth ISAES**, edited by A. Cooper, C. Raymond and the ISAES editorial team, U.S. Geological Survey OFR-2007-1047, extended abstract 153, p. 1-4 (2007).
- Young, D.A., D.D. Blankenship, J.W. Holt, Subglacial roughness of the West Antarctic Ice Sheet. In, **Antarctica:.A Keystone in a Changing World - Online Proceedings for the Tenth ISAES**, edited by A. Cooper, C. Raymond and the ISAES editorial team, U.S. Geological Survey OFR-2007-1047, extended abstract 056, p. 1-4 (2007).
- Behrendt, J., C. Finn, D. Morse and D. Blankenship. One hundred negative magnetic anomalies over the West Antarctic Ice Sheet (WAIS), in particular Mt. Resnik, a subaerially erupted volcanic peak, indicate eruption through at least one field reversal. In, **Antarctica:.A Keystone in a Changing World - Online Proceedings for the Tenth ISAES**, edited by A. Cooper, C. Raymond and the ISAES editorial team, U.S. Geological Survey OFR-2007-1047, extended abstract 030, p. 1-4 (2007).
- Diehl, T.M., J.W. Holt, D.D. Blankenship, D.A. Young, F. Ferraccioli, and T. Jordan. Using airborne gravity to image sedimentary basins beneath the Thwaites Glacier catchment, West Antarctica. **IUGG XXIV**, Perugia, Italy, July 2-13, 2007.
- Ferraccioli, F., T.A. Jordan, D. G. Vaughan, J.W. Holt, M. James, H. Corr, D.D. Blankenship, J.D. Fairhead, and T.M. Diehl. New aerogeophysical survey targets the extent of the West Antarctic Rift System over Ellsworth Land. In, **Antarctica:.A Keystone in a Changing World - Online Proceedings for the Tenth ISAES**, edited by A. Cooper, C. Raymond and the ISAES editorial team, U.S. Geological Survey OFR-2007-1047, extended abstract 113, p. 1-4 (2007).
- Ferraccioli, F., J. Holt, T. Jordan, D. Blankenship, T. Diehl, H. Corr, D. Young, S. Kempf, D. Vaughan. Does the West Antarctic rift system extend to the Amundsen Sea Embayment region? **IUGG XXIV**, Perugia, Italy, July 2-13, 2007.
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- Vaughan, D.G., H.F.J. Corr, J.W. Holt, D.L. Morse, D.D. Blankenship. Pine Island Glacier and basin – initial interpretation of AGASEA/BBAS radar data. **Twelfth Annual West Antarctic Ice Sheet (WAIS) Workshop**. Sterling, Virginia, September 29 – October 1, 2005.
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- Blankenship, D.D., D.L. Morse, I.W.D. Dalziel, L.A. Lawver, J.W. Holt, J.M. Brozena and V.A. Childers: Investigating the crustal elements of the central Antarctic Place (icecap): i.e., how long range aerogeophysics is critical to understanding the evolution of the East Antarctic ice sheet. **XXVIII SCAR Open Science Conference**, Bremen, Germany, July 26-28, 2004.
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- Filina I., D. Blankenship, L. Roy, M. Sen, T. Richter and J. Holt. The bathymetry of two subglacial lakes in East Antarctica derived from airborne gravity and radar sounding data. **XXVIII SCAR Open Science Conference**, Bremen, Germany, July 26-28, 2004.

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- Lindzey L., D.D. Blankenship. and M.E. Peters: Airborne radar sounding studies of a subglacial “lake” near South Pole station, Antarctica. **XXVIII SCAR Open Science Conference**, Bremen, Germany, July 26-28, 2004.
- Peters M.E., D.D. Blankenship and D.L. Morse. Radar sounding studies for quantifying reflection and scattering at terrestrial air-ice and ice-ocean interfaces relevant to Europa’s icy shell. **Workshop on Europa’s Icy Shell: Past, Present and Future**, Houston, Texas, February 6-8, 2004.
- Danque, H.A., D.D. Blankenship and M.E. Peters. Comparison of porosity and radar models for Europa’s near surface. **35th Lunar and Planetary Science Conference**, Houston, Texas, March 15-19, 2004 [LPSC 35, abstract 2141, (2004)]
- Holt J.W., D.D. Blankenship, M.E. Peters, S.D. Kempf, D.L. Morse and B.J. Williams. Echo Source Discrimination in Airborne Radar Sounding Data for Mars Analog Studies, Dry Valleys, Antarctica, **Third International Conference on Mars Polar Science and Exploration**, Banff Alberta, Oct. 13-17, 2003.
- Richter, T.G., L. Roy, I. Filina, D. Blankenship, J. Holt, M. Sen and P. Stoffa. Acquisition and analysis of aerogravity over subglacial lakes in East Antarctica. **Ninth International Symposium on Antarctic Earth Sciences**, Potsdam, Germany, Sept. 8-12, 2003.
- Morse, D.L., J.W. Holt, D.D. Blankenship and D.G. Vaughan. An Airborne Geophysical Survey of the Amundsen Sea Embayment, Antarctica (AGASEA). **Tenth Annual West Antarctic Ice Sheet (WAIS) Workshop**, Sterling, Virginia, September 17-20, 2003.

OTHER WORKSHOPS (LAST 48 MONTHS)

- Setting a Course for Antarctic Integrated and Systems Science: A Workshop**, Invited participant, Office of Polar Programs, National Science Foundation, (sponsor), Arlington, Virginia, June 13-15, 2007.
- Europa Flagship Orbiter Science Definition Team Workshops**, Boston, Massachusetts, May 3-4, 2007; Pasadena, California, February 19-21, March 7-9, April 4-6, 2007.
- Meeting of NASA’s Outer Planets Assessment Group**, (Invited participant), Boston, Massachusetts, May 1-2, 2007. U.K.
- Workshop on West Antarctic Links to Sea-level Estimation**, Co-convened with D.G. Vaughan and J.W. Holt, U.K. Foreign Office and Jackson School of Geosciences (sponsors), Jackson School of Geosciences, Austin Texas, March 26-28, 2007.
- Workshop on High Capability Orbital Radar Sounding**, Jet Propulsion Laboratory, Pasadena, California, November 11, 2005.
- Meeting of NASA’s Outer Planets Assessment Group**, Washington, D.C., October 6-7, 2005
- Workshop on Geoscientific Insights for Greater Antarctica: Gamburtsev Mountains, Amery Ice Shelf to Prydz Bay (GIGAGAP)**, Hanover, Germany, June 20-22, 2005.
- Meeting of NASA’s Outer Planets Advisory Group**, Washington, D.C., October 6-7, 2005, Bethesda, Maryland, February 10-11, 2005.
- Special Session on Radio Echo Sounding of Glaciers and Ice Sheets, Fall Meeting of the American Geophysical Union, Co-convenor**, San Francisco, California, December 13-18, 2004.
- Forum on Outer Planetary Exploration**, Pasadena, California, June 21-22, 2004.
- Jupiter Icy Moons Orbiter Science Definition Team Workshops**, Washington D.C., December 8-9; 2004; Burbank, California, May 12-13, 2004; Pasadena, California, December 17-18, 2003; Washington, D.C., November 12-13, 2003; Pasadena, California, September 8-9, 2003; Pasadena, California, August 14-15, 2003; Arcadia, California, March 10-11, 2003.
- Workshop on the Interplay of Collisional Tectonics and Late Cenozoic Glacial Climate and the Northeastern Pacific Ocean**, Austin, Texas, May 4-6, 2003.
- Workshop on the Interplay of Collisional Tectonics and Late Cenozoic Glacial Climate and the Northeastern Pacific Ocean**, Austin, Texas, May 4-6, 2003.

FIELD WORK

- McMurdo Station, Antarctica.** Airborne geophysical Survey of the Amundsen Sea Embayment, Antarctica (AGASEA), Co-Principal Investigator, November-December, 2004.
- McMurdo Station and Ice Stream D, West Antarctica.** Characterization of the Onset of Ice Stream Flow: A Ground Geophysical Program, *Principal Investigator*; Advanced Technology for Radar Sounding of Polar Ice (ATRS), *Co-Principal Investigator*; November-December 2001.
- McMurdo Station, Antarctica.** SOAR Field Program, *Principal Investigator and Scientific Director*, November 1999 and January 2000.
- South Pole Station, Antarctica.** SOAR Field Program, *Principal Investigator and Scientific Director*, November-December 1998.
- Siple Dome, West Antarctica.** SOAR Field Programs, *Principal Investigator and Scientific Director*, November-December 1996 and November-December 1997.
- Byrd Station, West Antarctica.** SOAR Field Programs, *Principal Investigator and Scientific Director*, December 1994-February 1995 and December 1995-January 1996.
- Central West Antarctica.** Corridor Aerogeophysics of the Southeastern Ross Transect Zone, *Principal Investigator and Team Leader*, October 1991-January 1992 and December 1992-February 1993.
- McMurdo Station and Central West Antarctica.** Corridor Aerogeophysics of the Southeastern Ross Transect Zone, *Principal Investigator and Team Leader*, November 1990-January 1991.
- Kazakhstan, USSR.** US-USSR Joint Verification Program, Soviet Academy of Sciences, *Team Member*, September 1989.
- Ice Stream B, West Antarctica.** Glaciogeophysical Survey of the Interior Ross Embayment, *Co-Principal Investigator and Team Leader*, November 1987-January 1988.
- Ice Stream B, West Antarctica.** Glaciogeophysical Survey of the Interior Ross Embayment, *Team Leader*, November 1983-January 1984 and November 1985-January 1986.
- Dye III, Southern Greenland.** Borehole Logging for the Greenland Ice Sheet Project, *Team Member*, July 1982.
- Dome C, East Antarctica.** Geophysical Survey for the International Antarctic Glaciological Project, *Team Member*, November 1981-January 1982, November 1978-January 1979 and November 1979-January 1980.
- Kentucky, Illinois and Missouri.** National Uranium Resource Evaluation, U.S. Geological Survey, *Field Assistant*, June-September 1978.
- Wind River Range, Wyoming.** Eastern Illinois University, *Independent Glaciological Research*, August 1977.
- South Dakota and Wyoming.** Eastern Illinois University, *Geology Field Camp*, June-July 1977.

REPORTS

- Europa Flagship Orbiter Science Definition Team. **Europa Explorer Concept Study Report.** The Jet Propulsion Laboratory, 123pp.. (submitted).
- Walse Workshop Participants. West Antarctic Links to Sea-level Estimation. **EOS.** The American Geophysical Union. (submitted).
- Strategic Planning Committee. **Changing the World of Geosciences: Jackson School of Geosciences Strategic Plan 2007-2010.** The Jackson School of Geosciences, The University of Texas at Austin, 43pp. (2007).
- Implementation Committee. **Organizational Charter for the John A. and Katherine G. Jackson School of Geosciences.** The University of Texas at Austin, 9pp. (2005).
- JIMO Science Definition Team. **Report of the NASA Science Definition Team for the Jupiter Icy Moons Orbiter.** <http://ossim.hq.nasa.gov/jimo/JIMO-SDT-REPORT.pdf> (2004).
- Farr, T. and 46 others, Terrestrial Analogs to Mars, in Sykes, M.V., ed., **The Future of Solar System Exploration 2003-2013: Community Contributions to the NRC Solar System Exploration Decadal Survey**, Vol. CS-272, The Astronomical Society of the Pacific, (2002).
- Pine Island Glacier/Thwaites Glacier Working Group, **Amundsen Sea Embayment Project (ASEP) Science and Implementation Plan.** 2002. (<http://igloo.gsfc.nasa.gov/wais/ASEP-final.pdf>).
- S. Anandkrishnan, D. L. Morse and D. D. Blankenship. **Strawman Science Motivation for Coordinated Multidisciplinary Research in the Amundsen Sea Embayment, West Antarctica.** Report of the Ad Hoc Pine Island Glacier/Thwaites Glacier Working Group, 27 pp. (2000).
- Blankenship, D. D., B. C. Edwards, Kim, P. E. Geissler, D. Gurnett, W. T. K. Johnson, W. Kofman, J. C. Moore, D. L. Morse, R. T. Pappalardo, G. Picardi, R. K. Raney, E. R. Rodriguez, X. - M. Shao, J. Weertman, H. A. Zebker, and J. van Zyl. **Feasibility Study and Design Concept for an Orbiting Ice-penetrating Radar Sounder to Characterize in Three-**

- dimensions the European Ice Mantle Down to (and including) any Ice/ocean Interface.** Report of the Europa Radar sounder Instrument Definition Team. UTIG Technical Report 184, The University of Texas at Austin, 26 pp. (1999).
- Holt, J. W., S. L. Magsino, M. E. Peters, S. D. Kempf, R. R. Biggs, D. D. Blankenship, and R. E. Bell. **SOAR (Support Office for Aerogeophysical Research): Annual Report, 1998/99.** UTIG Technical Report 185, The University of Texas at Austin, 117 pp. (1999).
- Magsino, S. L., D. D. Blankenship and R. E. Bell. **SOAR (Support Office for Aerogeophysical Research): Annual Report, 1997/98.** UTIG Technical Report, The University of Texas at Austin, 102 pp. (1998).
- Richter, T. G., J. L. Williams, D. D. Blankenship and R. E. Bell. **SOAR (Support Office for Aerogeophysical Research): Annual Report, 1996/97.** UTIG Technical Report 173, The University of Texas at Austin, 100 pp. (1997).
- Sen, V., P.L. Stoffa, D.D. Blankenship and I.W.D. Dalziel. **Results From the ANTALITH Field Tests: A Pilot Program for Seismic Investigation in Central West Antarctica.** UTIG Technical Report 172, 29 pp. (1997).
- Richter, T. G., J. L. Williams, D. D. Blankenship and R. E. Bell. **SOAR (Support Office for Aerogeophysical Research): Annual Report, 1995/96.** UTIG Technical Report 149, The University of Texas at Austin, 80 pp. (1996).
- Richter, T.G., J.L. Williams, D.D. Blankenship and R.E. Bell. Field activities of the Support Office for Aerogeophysical Research (SOAR) 1994-1996. **Antarctic Journal of the United States**, vol. 31, no. 2, p. 263-265 (1996).
- Steering Committee for the West Antarctic Ice Sheet Initiative (WAIS). **WAIS: A Multidisciplinary Study of Rapid Climate Change and Future Sea Level** (ed., R.A. Bindschadler). National Science Foundation Conference Publication, 75 pp. (1995).
- Blankenship, D. D., R. E. Bell and K. A. Najmowski. **SOAR (Support Office for Aerogeophysical Research): Annual Report, 1994-95.** UTIG Technical Report 146, The University of Texas at Austin, 70 pp. (1995).
- Anandakrishnan, S., A. Smith, S. Saustrop, V. Sen, I.W.D. Dalziel, P.L. Stoffa and D.D. Blankenship. ANTALITH seismic reflection profile in West Antarctica. **Antarctic Journal of the United States**, vol. 30, no. 5, p. 20-21 (1995).
- Behrendt, J.C., R. Saltus, A. McCafferty, C.A. Finn, D. Damaske, D.D. Blankenship and R.E. Bell. Tectonic interpretations of the West Antarctic rift system revealed by USGS-GANOVEX and CASERTZ aeromagnetic surveys. **Antarctic Journal of the United States**, vol. 30, no. 5, p. 16-17 (1995).
- Steering Committee for the West Antarctic Ice Sheet Initiative (WAIS). **West Antarctic Ice Sheet Initiative: Revised Science and Implementation Plan.** NASA Conference Publication 3222. (1993).
- Steering Committee for the West Antarctic Ice Sheet Initiative (WAIS) and I.W.D. Dalziel. **West Antarctic Ice Sheet Initiative: Interdisciplinary Objectives for the Year 2000 (WAIS-2000).** UTIG Technical Report 124, The University of Texas at Austin, 11 pp. (1993).
- Brozena, J.M., J.L. Jarvis, R.E. Bell, D.D. Blankenship, S.M. Hodge and J.C. Behrendt. CASERTZ 91 - 92: Airborne gravity and surface topography measurement. **Antarctic Journal of the United States**, vol. 20, no. 5, p. 1-3 (1993).
- Steering Committee for the West Antarctic Ice Sheet Initiative (WAIS). **West Antarctic Ice Sheet Initiative. Volume 1: Science and Implementation Plan.** NASA Conference Publication 3115, Vol. 1, 53 pp. (1991).
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- Blankenship, D.D. and J.L. Kempf. **A Unix Environment for Visual Assessment: Eva Reference Manual.** Research Report 87-3, Geophysical and Polar Research Center, University of Wisconsin, Madison, 72 pp. (1987).
- Kempf, J.L. and D.D. Blankenship. **Programming Interactive Graphics in Unix: A User's Guide to Gpsi and Eva.** Research Report 87-1, Geophysical and Polar Research Center, University of Wisconsin, Madison, 65 pp. (1987).
- Bentley, C.R., R.B. Alley, S. Anandakrishnan, D.D. Blankenship, S.T. Rooney, D.G. Schultz, and S. Shabtaie. Geophysical studies of the Siple Coast area, **Antarctic Journal of the United States**, vol. 22, no. 5, p. 68-70 (1987).
- Bentley, C.R., D.D. Blankenship, D.G. Schultz, S.T. Rooney and S. Anandakrishnan. Geophysical program at Upstream B camp, Siple Coast. **Antarctic Journal of the United States**, vol. 21, no. 5, p. 109-110 (1986).
- Bentley, C.R., S. Shabtaie, D.D. Blankenship and D.G. Schultz. Glaciogeophysical Survey of the Interior Ross Embayment (GSIRE): Summary of 1983-84 field work. **Antarctic Journal of the United States**, vol. 19, no. 5, p. 49-51 (1984).
- Bentley, C.R., C.S. Lingle and D.D. Blankenship. Analysis of geophysical data from Dome C and the Ross Ice Shelf. **Antarctic Journal of the United States**, vol. 18, no. 5, p. 104-105 (1983).
- Bentley, C.R., D.D. Blankenship, K.C. Jezek, K.C. Taylor, Jr., J.S. Lovell and B.E. Eltman. Dome C geophysical survey, 1981-1982. **Antarctic Journal of the United States**, vol. 17, no. 5, p. 74-75 (1982).
- Bentley, C.R., D.D. Blankenship, R.M. Gassett and S. Shabtaie. Analysis of Dome C data. **Antarctic Journal of the United States**, vol. 16, no. 5, p. 81-82 (1981).
- Shabtaie, S., C.R. Bentley, D.D. Blankenship, J.S. Lovell and R.M. Gassett. Dome C geophysical survey, 1979-80. **Antarctic Journal of the United States**, vol. 15, no. 5, p. 2-5 (1980).
- Bentley, C.R., K.C. Jezek, D.D. Blankenship, J.S. Lovell and D.G. Albert. Geophysical investigation of the Dome C area. **Antarctic Journal of the United States**, vol. 14, no. 5, p. 98-100 (1979).

GRADE 12 STUDENT RESEARCH REPORTS

- Linda Al-Alawy and Shirley Truong. **Determining Age-Depth of Internal Layers around the Ice Core over Subglacial Lake Vostok, East Antarctica.** Applied Research Laboratories Technical Report, ARL-LR-DO-02-01, The University of Texas at Austin, p. 161, (2002).
- Ben Williams. **Bed Elevation Evaluation over Subglacial Lake Vostok, East Antarctica.** Applied Research Laboratories Technical Report ARL-LR-DO-02-01, The University of Texas at Austin, p. 149, (2002).
- Suzanne Oliason and Bisola Falola. **Ice Thickness interpretation over subglacial Lake Vostok Antarctica.** Applied Research Laboratories Technical Report, ARL-LR-DO-01-01, The University of Texas at Austin, p. 205-226, (2001).
- Jeff McCarty. **A Model of the Martian Northern Polar Cap to make viable the detection of liquid water.** Applied Research Laboratories Technical Report, ARL-LR-DO-01-01, The University of Texas at Austin, p. 227-240, (2001).
- Jennifer Almaraz. **Radar characterization of blue ice near the Transantarctic Mountains.** Applied Research Laboratories Technical Report, AR-LR-00-02, The University of Texas at Austin, p. 237-248, (2000).
- Julia Pietrasik and Corrin Polvado. **An interpretation of subglacial lake candidates in the South Pole region of the East Antarctic ice sheet.** Applied Research Laboratories Technical Report, LR-D0-00-01, The University of Texas at Austin, p. 177-187, (1999).
- Amy Normal. **Surface characterization of the West Antarctic ice sheet from airborne radar sounding.** Applied Research Laboratories Technical Report, GR-D0-99-1, The University of Texas at Austin, p. 197-210, (1998).
- Jennifer Doebbler. **Crevasing at the onset of a West Antarctic ice stream.** Applied Research Laboratories Technical Report, GR-D0-98-1, The University of Texas at Austin, p. 215-225, (1997).
- Allison Mielke, Megan Mitchell and Amy Barr. **Effects of a subglacial mountain peak on the West Antarctic ice sheet.** Applied Research Laboratories Technical Report, ARL-TR-96-13, The University of Texas at Austin, p. 219-231 (1996).
- Laura Anderson. **Extinction of internal layering in the central West Antarctic ice sheet.** Applied Research Laboratories Technical Report, ARL-TR-95-33, The University of Texas at Austin, p. 215-224, (1995).
- Amy Drozd and Brian Bibeault. **Preliminary studies of the ice thickness at the head of ice streams B and C, West Antarctica.** Applied Research Laboratories Technical Report, ARL-TR-94-24, The University of Texas at Austin, p. 225-238, (1994).
- Effie L. Jarrett. **Comparison of ice sheet elevation from laser and radar altimetry.** Applied Research Laboratories Technical Report, ARL-TR-93-21, The University of Texas at Austin, p. 331-344, (1993).
- Stephanie B. Arevalo. **Determination of Mass Flux of Ice Stream E, West Antarctica.** Applied Research Laboratories Technical Report, ARL-TR-93-21, The University of Texas at Austin, p. 305-313, (1993).
- Ernesto Vazquez. **Mechanical Engineering Applications in Airborne Geophysics.** Applied Research Laboratories Technical Report, ARL-TR-92-28, The University of Texas at Austin, p. 493-504, (1992).

CONTRACTS AND GRANTS

FUNDING AGENCY	PROJECT/INVESTIGATORS	PERIOD
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— *FUNDED* —

NSF Polar Programs	“Synthesis of Thwaites Glacier Dynamics: Diagnostic and Prognostic Sensitivity Studies of a West Antarctic Outlet System” / D.D. Blankenship and J.W. Holt	Apr. 07 – Mar. 10
NSF Polar Programs	“Airborne Geophysical Survey of the Amundsen Sea Embayment, Antarctica (AGASEA)” / J.W. Holt, D.L. Morse and D.D. Blankenship	Sep. 03 – Aug. 08
NSF Polar Programs	“Dynamics and Response of the Taylor Glacier System” / D.L. Morse and D.D. Blankenship	Aug. 02 – Jul. 06
NSF Polar Programs	“WAISCORES Western Divide Site Selection” / D.L. Morse and D.D. Blankenship	Jul. 02 – Jun. 06
NASA Space Science	“Terrestrial Analogs of Martian Radar Targets from the Dry Valleys, Antarctica” / J.W. Holt and D.D. Blankenship	Jan. 03–Dec. 05
NSF Polar Programs	“Characterizing the Onset of Ice Stream Flow: A Ground Geophysical Program” / D.D. Blankenship and D.L. Morse	Sep. 00 – Aug. 05
NSF Polar Programs	“Advanced Technology for Radar Sounding of Polar Ice” / D. L. Morse and D. D. Blankenship	Sept. 01 – Aug. 03
NSF Polar Programs	“Continuation of Activities for the Support Office for Aerogeophysical Research”/ D. D. Blankenship, D. L. Morse and I. W. D. Dalziel (with J. W. Holt)	Sep. 00 – Aug. 02
NSF Polar Programs	“Collaborative Research: Contrasting Architecture and Dynamics of the Transantarctic Mountains” / D.D. Blankenship	Jul. 97 – Jun. 02
NSF Polar Programs	“WAIS (West Antarctic Ice Sheet) Ice Divide Migration” / D.D. Blankenship and D.L. Morse	May 98 – Apr. 02
NASA Earth Science	“Characterizing the Siple Coast Ice Stream System Using Satellite Images, Improved Topography and Integrated Aerogeophysical Measurements” / D.D. Blankenship and D.L. Morse	Jan. 99 – Dec. 01
NSF Polar Programs	“Support Office for Aerogeophysical Research.” / D.D. Blankenship	Aug. 94 – Jan. 01
NSF Polar Programs	“Collaborative proposal with University of Washington and University of Texas: WAISCORE site selection.” / D.D. Blankenship (with D.L. Morse)	Jun. 97 - May 00

Jet Propulsion Laboratory	“Algorithm Development for Coherent Ice- Penetrating Radar Applicable to Antarctic Basal Characterization and Europa Water Detection” / D.D. Blankenship	Jul. 98 – Oct. 99
NSF Polar Programs	“Lithospheric Controls on the Behavior of the West Antarctic Ice Sheet: Corridor Aerogeophysics of the Eastern Ross Transect Zone (CASERTZ/WAIS).” / D.D. Blankenship	Aug. 94 – Jul. 99
NSF Polar Programs	“Seismic Traverse of the Byrd Subglacial Basin - A Field Test.” / I.W.D. Dalziel, P.L. Stoffa and D.D. Blankenship	Jul. 93 – Dec. 96
Texas Advanced Research Program	“Supersensitive Airborne Magnetometry for Geophysical Exploration and Environmental Hazard Detection.” / J.D. Phillips and D.D. Blankenship	Jan. 94 – Dec. 95
NSF Polar Programs	Airborne Lithosphere and Ice Cover Experiment (ALICE).” / D.D. Blankenship	Jul. 92 – Apr. 94
NSF Polar Programs	“Corridor Aerogeophysics of the Southeastern Ross Transect Zone (CASERTZ).” / D.D. Blankenship	May 90 – Apr. 93
NSF Polar Programs	“West Antarctic Glaciology.” / D.D. Blankenship	Jul. 91 – Jun. 92
Univ. of Washington	“Airborne Radar Survey of McMurdo Dome, Antarctica.” / D.D. Blankenship	Aug. 90 – Oct. 91
NSF Polar Programs	“Further Continuation of Glaciogeophysical Survey of the Interior Ross Embayment (GSIRE).” / C.R. Bentley and D.D. Blankenship	Nov. 87 – Feb. 91

UNIVERSITY SERVICE

- 2007 – Present **Member**, Earth Surface and Hydrological Processes Search Committee (Jackson School of Geosciences)
- 2006 – Present **Member**, Opportunity Hire Search Committee (Jackson School of Geosciences)
- 2006 – Present **Chair**, Equipment Committee (Jackson School of Geosciences)
- 2006 **Instructor, Earth Dynamics**, (Department of Geological Sciences)
- 2005 – Present **Member**, Strategic Planning Council (Jackson School of Geosciences)
- 2005 – 2006 **Member**, Search Committee for Marine Geophysics and Cryospheric Science (Institute for Geophysics)
- 2004 – 2005 **Member**, Implementation Committee (Jackson School of Geosciences)
- 2003 – 2006 **Member**, Equipment Committee (Jackson School of Geosciences)
- 2002 – Present **Elected Member**, Graduate Studies Committee (Department of Geological Sciences)
- 2002 – 2003 **Chair**, Ad hoc committee for an Airborne Geoscience Initiative (Jackson School of Geosciences)
- 2002 – 2003 **Member**, Ad hoc committee for a Water Resources Initiative (Jackson School of Geosciences)
- 2002 – 2003 **Member**, Ad hoc committee for a Climate Change Initiative (Jackson School of Geosciences)
- 2002 **Chair**, Committee on National Rankings (Jackson School of Geosciences)
- 2001 – 2002 **Member**, Climate Change Working Group (Environmental Science Institute)
- 2000 – 2001 **Member** Search Committee for Quantitative Paleoclimatologists (Institute for Geophysics)
- 2000 – 2004 **Member** Computer Committee (Institute for Geophysics)
- 2000 – 2004 **Member** Development Advising Committee (Institute for Geophysics)
- 1997 – 1998 **Member** Computer Graphics Committee (Institute for Geophysics)
- 2000 – 2001 **Member** Geoscience Alliance Committee (Department of Geological Sciences/Bureau of Economic Geology/Institute for Geophysics)
- 2000 **Host**, Professor David Besson, The University of Kansas, Department of Physics, Big XII Faculty Fellow.
- 1995 – 2000 **Member** Public Relations Committee (Institute for Geophysics)
- 1997 – 1999 **Member** Seminar Committee (Institute for Geophysics)
- 1996 – 1997 **Member** Fellowship Committee (Institute for Geophysics)
- 1996 – 1997 **Member** Committee to Relocate The Institute (Institute for Geophysics)
- 1994 – 1996 **Member** Computer Committee (Institute for Geophysics)
- 1992 – 1994 **Member** Library Committee (Institute for Geophysics)
- 1992 – 1994 **Member** Ship, Space and Equipment Committee (Institute for Geophysics)

COMMUNITY SERVICE

- 2007 Reviewer, **Exploration of Antarctic Subglacial Aquatic Environments: Environmental and Scientific Stewardship**, Report of the National Academy of Science.
Radio Interviews: **KUT**, the West Antarctic ice sheet and sea level.
Webcast Panel Discussion: **UT/JSG**, West Antarctic links to sea-level estimation.
Print Interview, **Reuters**, the West Antarctic ice sheet and sea level.
Print Interview, **Los Angeles Times**, the West Antarctic ice sheet and sea level, Alan Zarembo.
Television Interview: **KXAN**, Intergovernmental Panel on Climate Change, Laura Skirde.
Print Interview: **Austin American Statesman**, Intergovernmental Panel on Climate Change, A.Price.
- 2006 Print Interview: **New Scientist**, Antarctic subglacial lake environments, Gabrielle Walker.
- 2005 Radio Interview: **BBC**, **Antarctica's ice bottom exposed**, Jonathan Amos.
- 2004 Print Interview: **Antarctica Exploration since the IGY**, Gabrielle Walker.
Print Interview: **A History of Subglacial Exploration in Antarctica 1957-2007**, Katrina Dean.
- 2003 Radio Interview: **BBC** (Europa radar sounding)
- 2002 Technical Advice; Fugro Inc, aerogeophysical survey of the Prince Charles Mountains, East Antarctica.
Sponsor: Michael Parrish, Antarctic Artists and Writers Program
Online Interview: "Cyberways and Waterways" March 7, 2002
Print Interview: **Physics Today**, February 4, 2002
- 2001 Presentation: Northwest Austin Rotary, Austin, Texas.
- 2001 Technical Advice: National Geographic Antarctic Map Folio.
- 2000 Technical Advice: NOVA television documentary on glaciers and ice streams
Technical Advice: **"Moons of the Solar System,"** Discovery Channel.
Print Interview: **Daily Texan** (West Antarctic Ice Streams).
- 1999 – 2000 Interview and Technical Advice: Horizon television documentary, **"Lake Vostok,"** BBC/Discovery Channel, Jonathan Renouf, producer (to be aired April 2001).
- 1999 Print Interview: **New Scientist** (Europa).
Print Interview: **New Scientist** (West Antarctic Ice Streams).
- 1998 Technical Advice: **Antarctica**, Bantam Books, K.S. Robinson.
Presentation: Kirby Hall School, Austin, Texas.
Technical Advice: **New Explorers**, Kurtis Productions.
Print Interview: **Christian Science Monitor**.
Presentation: Hill Elementary, Austin, Texas.
Interviews and Technical Advice: NOVA documentary, **"Warnings From the Ice,"** PBS, Rob Gardner, producer (aired April 21, 1998).
- 1996-1998 Technical Advice: **Earth and Sky**, NPR, Deborah Byrd, producer.
Print Interview: **New York Times**.
- 1996-1997 Interviews and Technical Advice: Horizon documentary, **"The Ice Melts,"** BBC, Kate O'Sullivan, producer (aired October 25, 1997).
- 1996 Print Interviews: **Time, Chronicle of High Education, Austin American Statesman**.
- 1997
- 1995 Technical Advice: **Green Mars**, Bantam Books, K.S. Robinson.
- 1994 Technical Advice: **"Surprising Scientific Facts, Breakthroughs, and Discoveries,"** John Wiley and Sons, S.B. McGrayne.
Technical Advice: **Dans La Nature**, Canal Plus (French Television) documentary, Laurence Labert.
- 1993 Interview: **As it Happens**, Canadian Broadcasting Corporation.
Technical Advice: **Earth and Sky**, NPR, Deborah Byrd, producer.
Print Interviews: **Science News, Discover, New York Times, Washington Post, Scientific American, The Economist, Austin American Statesman, Decatur Herald and Review, Reader's Digest, Mundo 21**.
Presentation: LAMP (Learning Activities for Mature People), Texas Division of Continuing

1991-1992

Technical Advice: IMAX documentary "**Antarctica**," John Wiley, producer.