

Publikationsliste Polarforschung: Landgeologie, Landgeophysik

(Stand: September 2009)

Die Liste umfasst

- Publikationen, die auf den BGR-Polarexpeditionen basieren, entweder durch Teilnahme an den Expeditionen oder durch Bearbeitung von Probenmaterial, das während der Expeditionen gewonnen wurde, durch Dritte
- allgemeine Publikationen von BGR-Mitarbeitern zu geowissenschaftlichen polaren Themen
- eine Aufstellung der Expeditionsbände (am Ende der Liste).

Aa:

1. **ADAMS, C.J. (1986):** Age and ancestry of the metamorphic rocks of the Daniels Range, USARP Mountains, Antarctica. - In: **STUMP, E. (ed.):** Geological investigations in Northern Victoria Land, Antarctica, Am. Geophys. Union, Antarctic Res. Ser., **46**, 25-38, Washington.
2. **ADAMS, C.J. (1996):** Geochronological evolution of the eastern margin of northern Victoria Land: Rb-Sr and K-Ar dating of the Berg Group and Berg/Archangel granites. - In: **ROLAND, N.W. (ed.):** Polar Issue No. 6, GANOVEX: From Oates Coast to Marie Byrd Land.- Geol. Jb., **B 89**, 179-194, Hannover.
3. **ADAMS, C. (2003):** Pattern of uplift of Paleozoic terranes in northern Victoria Land, Antarctica: evidence from K-Ar age profiles. - In: **FÜTTERER, D.K. (ed.):** Antarctic Contributions to Global Earth Sciences. -, Terra Nostra, **4**, 283-284.
4. **ADAMS, C.J. & ROLAND, N.W. (1999):** Pre- and syn-Ross orogenic granitoids in the Wilson Terrane at the Oates Coast, East Antarctica. – In: **SKINNER, D.N.B. (ed.):** 8th Int. Symp. Ant. Earth Sci., Programme & Abstracts, **18**, Wellington (Royal Soc. New Zealand).
5. **ADAMS, C.J. & ROLAND, N.W. (2002):** Pre- and syn-Ross orogenic granitoids at Drake Head and Kartografov Island, Oates Coast, northern Victoria Land, East Antarctica. - In: **GAMBLE, J.A., SKINNER, D.N.B., HENRYS, S. & LYNCH, R. (eds.):** Antarctica at the close of a Millennium – Proc. 8th Int. Symposium on Antarctic Earth Sciences, Royal Society of New Zealand Bulletin, **35**, 93-98, Wellington.
6. **ANDERSON, E.D., FINN, C.A., DAMASKE, D., ABRAHAM, J.D., GOLDMANN, F., GOODGE, J.W. & BRADDOCK, P. (2006):** Aeromagnetic and Gravity Data Over the Central Transantarctic Mountains (CTAM), Antarctica: A Website for the Distribution of Data and Maps. – Open-File Report 2006-1255, USGS, Reston.
7. **ARMADILLO, E., BOZZO, E. & CANEVA, G. (2003):** Deep Electrical Resistivity Investigation across the Rennick Graben and Oates Land by Geomagnetic Depth Sounding. - In: **DAMASKE, D. & BOZZO, E. (eds.):** Scientific Results from the Joint German-Italian 1999-2000 Antarctic Expedition – Terra Antarctica, **10** (3), 171-178, Siena.
8. **ARMIENTI, P., FRANCALANCI, L., LANDI, P. & VITA-SCAILLET, G. (2003):** Age and Geochemistry of Volcanic Rocks from Daniell Peninsula and Coulman Island, Hallett Volcanic Province, Antarctica. - **TESSENHORN, F. & RICCI, C.A. (eds.),** The Mariner Glacier Area, Antarctica: Aspects of a Suture Zone, Geol. Jb., **B 85**, 409-445, Hannover.

Bb:

9. **BACHEM, H.C., BOIE, D.C. & DAMASKE, D. (1989):** Data processing and production of the anomaly maps of the total magnetic field in the North Victoria Land / Ross Sea area of the Antarctic. - In: **DAMASKE, D. & DÜRBAUM, H.-J. (eds.):** German Antarctic North Victoria Land Expedition 1984/85, GANOVEX IV, Geol. Jb., **E 38**, 81-89, Hannover.
10. **BACHEM, H.-C., BOSUM, W., DAMASKE, D. & BEHRENDT, J. (1989):** Planning and Execution of the GANOVEX IV Aeromagnetic Survey in North Victoria Land, Antarctica. – Geol. Jb., **E38**, 69-80.
11. **BACHEM, H.-C., DAMASKE, D., DUMAS, B. & HEIMES, F.J. (1989):** Aircraft Navigation in North Victoria Land, Antarctica. - In: **DAMASKE, D. & DÜRBAUM, H.-J. (eds.):** German Antarctic North Victoria Land Expedition 1984/85, GANOVEX IV, Geol. Jb., **E 38**, 59-67, Hannover.
12. **BALSAMO, F., LÄUFER, A.L., LISKER, F., ROSSETTI, F. & STORTI, F. (2008):** Structural and tectonothermal architecture at the continental impingement zone of the Tasman intraplate strike-slip deformation belt, north Victoria Land, Antarctica.- Geophysical Research Abstracts, Vol. 10, EGU2008-A-04521, 2008, SRef-ID: 1607-7962/gra/EGU2008-A-04521, EGU General Assembly 2008 (Poster).
13. **BARRETT, P.J., DAVEY, F.J., CITA, M.B., TESSENSOHN, F., THOMSON, M.R.A. & WEBB, P.N. (1994):** Coring for Antarctic tectonic and climatic history - the Cape Roberts Project. - Terra Antarctica, **1** (2), 473-474, Siena.
14. **BAUER, W. & SIEMES, H. (1999):** Quartz lattice preferred orientation of mylonites from central Dronning Maud Land (E-Antarctica). - In: **SKINNER, D.N.B. (ed.):** 8th Int. Symp. Ant. Earth Sci., Programme & Abstracts, **42**, Wellington (Royal Soc. New Zealand).
15. **BAUER, W. & SIEMES, H. (2004):** Prism <c> Slip in Deformed Quartz in Granulite-Facies Rocks from the Eastern Orvinfjella, Central Dronning Maud Land, East Antarctica. - In: **PAECH, H.-J. (ed.):** GEOMAUD, Vol. 1, Geological Results, Geol. Jb., **B 96**, 365-389, Hannover.
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17. **BAUER, W., JACOBS, J. & PAECH, H.-J. (1999):** Pan-African collisional tectonics in central Dronning Maud Land (E-Antarctica). - In: **SKINNER, D.N.B. (ed.):** 8th Int. Symp. Ant. Earth Sci., Programme & Abstracts, **41**, Wellington (Royal Soc. New Zealand).
18. **BAUER, W., JACOBS, J. & PAECH, H.-J. (2004):** Structural Evolution of the Metamorphic Basement of Central Dronning Maud Land, East Antarctica. - In: **PAECH, H.-J. (ed.):** GEOMAUD, Vol. 1, Geological Results, Geol. Jb., **B 96**, 325-363, Hannover.
19. **BEHRENDT, J.C., DÜRBAUM, H.-J., DAMASKE, D., SALTUS, R., BOSUM, W. & COOPER, A.K. (1991):** Extensive volcanism and related tectonism beneath the western Ross Sea continental Shelf, Antarctica: interpretation of an aeromagnetic survey. - In: **THOMSON, M.R.A., CRAME, J.A. & THOMSON, J.W. (eds.):** Geological Evolution of Antarctica, Proceedings of the Fifth International Symposium on Antarctic Earth Sciences, Cambridge University Press, Cambridge, 299-304.

20. **BEHRENDT, J.C., LE MASURIER, W.E., COOPER, A.K., TESSENSOHN, F., TREHU, A. & DAMASKE, D. (1991):** Geophysical studies of the West Antarctic rift system. - *Tectonics*, **10**, 6, 1257-1273.
21. **BEHRENDT, J.C., LE MASURIER, W.E., COOPER, A.K., TESSENSOHN, F., TREHU, A. & DAMASKE, D. (1991):** The West Antarctic rift system: a review of geophysical investigations. - *Contr. to Antarctic Res. II, Am. Geophys. Union, Antarctic Res. Ser.*, **V. 53**, 67-112.
22. **BEHRENDT, J.C., DAMASKE, D. & FRITSCH, J. (1993):** Geophysical characteristics of the West Antarctic Rift System. - In: **DAMASKE, D. & FRITSCH, J. (eds.):** German Antarctic North Victoria Land Expedition 1988/89 - GANOVEX V.- *Geol. Jb.*, **E 47**, 49-102, Hannover.
23. **BEHRENDT, J.C. & the GANOVEX and CASERTZ groups (1994):** Late Cenozoic tectonic and volcanic controls on the dynamics of the west Antarctic ice sheet in the West Antarctic Rift System. - *Terra Antarctica*, **1** (2), 333-334, Siena.
24. **BEHRENDT, J.C. & the GANOVEX and CASERTZ groups (1994):** Marine magnetic and aeromagnetic surveys in the West Antarctic Rift System. - *Terra Antarctica*, **1** (3), 509-511, Siena.
25. **BEHRENDT, J.C., BLANKENSHIP, D., DAMASKE, D. & COOPER, A.K. (1995):** Glacial removal of late Cenozoic subglacially emplaced volcanic edifices by the West Antarctic ice sheet. - *Geology*, **23**, 12, 1111-1114.
26. **BEHRENDT, J.C., McCAFFERTY, A.E., DAMASKE, D. & KYLE, P.R. (1995):** High amplitude aeromagnetic anomaly over the Butcher Ridge Igneous Complex: Evidence of possible Jurassic cumulate rocks in the Transantarctic Mountains bordering the Ross Embayment. - *Contr. to Antarctic Res. IV, Am. Geophys. Union, Antarctic Res. Ser.*, **67**, 1-7, Washington.
27. **BEHRENDT, J.C., SALTUS, R., DAMASKE, D., McCAFFERTY, A., FINN, C.A., BLANKENSHIP, D. & BELL, R.E. (1996):** Patterns of late Cenozoic volcanic and tectonic activity in the West Antarctic rift system revealed by aeromagnetic surveys. - *Tectonics*, **15**, 660-676.
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29. **BEHRENDT, J.C., DAMASKE, D. FINN, C.A., KYLE, P. & WILSON, T.J. (2002):** Draped aeromagnetic survey in Transantarctic Mountains over the area of the Butcher Ridge Igneous Complex showing extent of underlying mafic intrusion. - *Journal of Geophysical Research (Solid Earth)*, **107**, B8, 10.1029/2001JB000376, EPM3 1-10.
30. **BEHRENDT, J.C., BLANKENSHIP, D., MORSE, D., DAMASKE, D., FINN, C., BELL, R. & LeMASSURIER, W. (2004):** Late Cenozoic volcanism in the West Antarctic rift system and its relation to the West Antarctic ice sheet. - In: **KUNZ-PIRRUNG, M. & REINKE, M. (eds.),** SCAR Open Science Meeting, Bremen, Germany, *Terra Nostra*, **4**, 279.
31. **BELTON, D.X., LISKER, F., GIBSON, H.J. & WILSON, C.J.L. (2003):** Post pan-African cooling and exhumation of the southern Mawson Escarpment, southern Prince Charles Mountains, Antarctica. - In: **FÜTTERER, D.K. (ed.):** Antarctic Contributions to Global Earth Sciences. - 9th Int. Symp. Ant. Earth Sci., Programme & Abstracts, *Terra Nostra*, **4**, 23-24.
32. **BENNAT, H. (2005):** Photogrammetric Survey in Central Dronning Maud Land, East

- Antarctica, during the 1996 GeoMaud Expedition. - In: **PAECH, H.-J. (ed.):** GEOMAUD, Vol. 2, Geophysical Results, Geol. Jb., **B 97**, 273-289, Hannover.
33. **BOMFLEUR, B. (2009):** Ein rätselhafter thalloider Organismus aus der Trias des Transantarktischen Gebirges. – Arbeitskreis Geologie und Geophysik der Polargebiete, 31. Arbeitstreffen in Potsdam, 24./25. April 2009, Überblick mit ausgewählten Beiträgen, 14.
 34. **BORG, S.G., COLLINSON, J.W., GREW, E.S., HOLLOWAY, J.R., SANDIFORD, M., ROLAND, N.W. & STUMP, E. (1989):** Reconnaissance geological map of the Welcome Mountain Quadrangle, Transantarctic Mountains, Antarctica. - 1:250 000, Map A-14 (U.S. Geological Survey).
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 36. **BOSUM, W., DAMASKE, D., BEHRENDT, J.C. & SALTUS, R. (1991):** The aeromagnetic survey of northern Victoria Land and the western Ross Sea during GANOVEX IV and a geophysical-geological interpretation. - In: **THOMSON, M.R.A., CRAME, J.A. & THOMSON, J.W. (eds.):** Geological Evolution of Antarctica, Proceedings of the Fifth International Symposium on Antarctic Earth Sciences, Cambridge University Press, Cambridge, 267-272.
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 39. **BOZZO, E., CANEVA, G., CHIAPPINI, M., COLLA, A., DAMASKE, D., FERRACCIOLI, F., GAMBETTA, M., MOELLER, D. & MELONI, A. (1997):** Total Magnetic Anomaly Map of Victoria Land (Central-Southern Part), Antarctica. - In: **RICCI, C.A. (ed.):** The Antarctic Region: Geological Evolution and Processes, 1165-1166.
 40. **BOZZO, E., CANEVA, G., CHIAPPINI, M., COLLA, A., DAMASKE, D., FERRACCIOLI, F., GAMBETTA, M., MELONI, A. & MOELLER, H.D. (1997):** Total Magnetic Anomaly Map of Victoria Land (Central-Southern part), GITARA I,II,III 1991-94. - **BOZZO, E. & DAMASKE, D. (eds.):** Sheets A-B, Antarctic Geomagnetic 1:250 000 Map Series, Museo Nazionale dell'Antartide, Sez. di Scienze della Terra, Siena (Italy), Ministero dell'Università e della Ricerca Scientifica e Tecnologica, Programma Nazionale delle Ricerche in Antartide.
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46. **BOZZO, E., FERRACCIOLI, F., CANEVA, G., CHIAPPINI, M. & DAMASKE, D. (2002):** Total field magnetic anomaly map 1:250 000 over northern Victoria Land between central Rennick Glacier and Evans Névé, Antarctica. - In: **GAMBLE, J.A., SKINNER, D.N.B., HENRYS, S. & LYNCH, R. (eds.):** Antarctica at the close of a Millennium – Proc. 8th Int. Symposium on Antarctic Earth Sciences, Royal Society of New Zealand Bulletin, **35**, 625-627, Wellington.
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48. **BOZZO, E., FERRACCIOLI, F. & DAMASKE, D. (2003):** Aeromagnetic Exploration between Yule Bay and Mertz Glacier within the BACKTAM Geophysical Project. - *Terra Antarctica Reports*, **9**, 137-138.
49. **BOZZO, E., DAMASKE, D., FERRACCIOLI, F. & MOELLER, D. (2006):** Total Field Magnetic Anomaly Map of the Lillie Glacier Area (Northern Victoria Land). – In: **BOZZO, E. & DAMASKE, D. (eds.),** Antarctic Geomagnetic 1:250,000 map series, Museo Nazionale dell'Antartide, Sez. di Scienze della Terra, Siena, Italy, Ministero dell'Istruzione, dell'Università e della Ricerca, Programma Nazionale delle Ricerche in Antartide.
50. **BRADSHAW, J.D., BEGG, J.C., BUGGISCH, W., BRODIE, C., TESSENSOHN, F. & WRIGHT, T.O. (1986):** New data on Paleozoic stratigraphy and structure in North Victoria Land. - *New Zealand Antarctic Rec.*, **6.3**, 1-6.
51. **BRAUN, H.-M. (1992):** Die tectonometamorphe Entwicklung der Shackleton Range, Antarktis. - 4. Symp. Tektonik, Strukturgeologie, Kristallingeologie. - *Frankfurter geowiss. Arb.*, **A11**, 24-27, Frankfurt.
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54. **BREMER, K., HERPERS, U., DELISLE, G., HÖFLE, H.-C., VAN DER WATEREN, F.M., HOFMANN, H.J. & WÖFLI, W. (1991):** 10Be-content of quartz grains collected in North Victoria Land and the glacial history of the Frontier Mountain range in Antarctica. - *Meteoritics*, **26**, 323-324.

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57. **BROMMER, A. & KLEINSCHMIDT, G. (1998):** Strukturelle Entwicklung und Petrogenese des Kristallins der nördlichen Shackleton Range (Antarktis): Proterozoische und Ross-orogene Krustendynamik am Rand des Ostantarktischen Kratons. - Freiburger Forsch.-H., **C471**, 42-44, Freiberg.
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62. **BUGGISCH, W. & KLEINSCHMIDT, G. (1991):** Recovery and recrystallization of quartz and "crystallinity" of illite in the Bowers and Robertson Bay Terranes (northern Victoria Land, Antarctica.). - In: **THOMSON, M.R.A, CRAME, J.A. & THOMSON, J.W. (eds.)**: Geological evolution of Antarctica: 155-159, Cambridge.
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