

LEG 189 TABLE OF CONTENTS (8/02)

PUBLISHED PAPERS

Exon, N.F., Kennett, J.P., Malone, M.J., and the Leg 189 Shipboard Party (2002) Drilling reveals climatic consequences of Tasmanian Gateway opening. *EOS*, 83, no. 23:253, 258.

Exon, N.F., White, T.S., Malone, M.J., Kennett, J.P. and Hill, P.J. (2001) Petroleum potential of deepwater basins around Tasmania: insights from Ocean Drilling Program Leg 189. In: Hill, K.C. and Bernecker, T. (eds): *Proceedings PESA Eastern Australasian Basins Symposium*, Petroleum Exploration Society of Australia, Special Publication, 49-60.

Hill, P.J., and Moore, A.M.G., 2001. Geological framework of the South Tasman Rise and East Tasman Plateau. *Geoscience Australia*, Record 2001/40.

Robert, C.M., Exon, N.F., Kennett, J.P., Malone, M.J., Brinkhuis, H., Chaproniere, G.C. H., Ennyu, A., Fothergill, P., Fuller, M.D., Grauert, M., Hill, P.J., Janecek, T.R., Kelly, D.C., Latimer, J.C., McGonigal, K., Nees, S., Ninnemann, U.S., Nürnberg, D., Pekar, S.F., Pellaton, C.C., Pfuhl, H.A., Röhl, U., Schellenberg, S.A., Shevenell, A.E., Stickley, C.E., Suzuki, N., Touchard, Y., Wei, W., and White, T.S. (2001) L'ouverture océanique au sud de la Tasmanie durant le Paléogène, et ses conséquences paléocéanographiques: résultats préliminaires de la minéralogie des argiles (Leg ODP 189). *Comptes-Rendus de l'Academie des Sciences de Paris*, 332: 323-329.

Exon, N., Kennett, J., Malone, M., and the Leg 189 Shipboard Scientific Party (2000) The opening of the Tasmanian gateway drove global Cenozoic paleoclimatic and paleoceanographic changes: results of Leg 189. *JOIDES J.*, 26(2):11-17.

PROPOSED PAPERS:

Outside literature (blue-proposed at 2nd PC meeting)

Biostratigraphy and Paleontology

Title: MIDDLE TO LATE EOCENE RADIOLARIAN BIOSTRATIGRAPHY IN THE SUBANTARCTIC SOUTH PACIFIC, ODP LEG 189, SITE 1172

Author: Suzuki

Title: THE PARAGLOBOROTALIA MAYERI CONTROVERSY REVISITED

Authors: Chaproniere & Kelly?

Title: PALEOGENE CALCAREOUS NANNOFOSSILS FROM THE AUSTRALO-ANTARCTIC SEAWAY: BIOSTRATIGRAPHY AND PALEOCEANOGRAPHY

Authors: Wei, W., McGonigal, K., Zhong, S.

Title: ENVIRONMENTAL RECONSTRUCTION OF THE TASMANIAN GATEWAY DURING THE EOCENE-OLIGOCENE TRANSITION: EVIDENCE FROM MARINE DIATOM FLORAS.

Author: Stickley, C.E. (et al?)

Title: HIGH RESOLUTION OLIGOCENE-QUATERNARY DIATOM BIOSTRATIGRAPHY FOR THE TASMANIAN SEAWAY (NORTHERN SOUTHERN OCEAN).

Author: Stickley, C.E.

Title: CENOZOIC OSTRACODE PALEOBIOGEOGRAPHY AND PALEOECOLOGY OF THE AUSTRALO-ANTARCTIC SEAWAY (ODP LEG 189)
Author: Schellenberg

Paleoceanography

Title: PLIO-PLEISTOCENE TO HOLOCENE SEA-SURFACE TEMPERATURE VARIABILITY IN THE TASMAN GATEWAY (SOUTHERN OCEAN) - INDICATIONS FROM PLANKTIC FORAMINIFERAL Mg/Ca RATIOS IN COMPARISON TO OXYGEN ISOTOPES AND UNSATURATED ALKENONES
Author: Nuernberg, D., Brughmans, N., White, T., Ninnemann, U.

Title: PLIOCENE-PLEISTOCENE EXPORT PRODUCTION IN THE TASMAN SEA: SITE 1171
Author: Latimer, J.C. and Filippelli, G.M.

Title: OXYGEN ISOTOPIC COMPOSITION OF SEAWATER DURING THE LAST GLACIAL MAXIMUM, SOUTHERN OCEAN
Author: Malone, J. Martin, White, Nürnberg

Title: LATE CENOZOIC STRATIGRAPHY AND CARBONATE SEDIMENTATION HISTORY IN THE AUSTRALIAN SECTOR OF THE SOUTHERN OCEAN (ODP LEG 189, SOUTHERN GATEWAYS)
Authors: Stefan Nees & Wolf-Christian Dullo

Title: A TALE OF TWO OCEANS: THE MIOCENE/PLIOCENE TRANSITION IN THE AUSTRALO-ANTARCTIC REGION
Authors: Kelly and Kennett

Title: PALEOCEANOGRAPHIC HISTORY OVER THE MIDDLE MIOCENE CLIMATE TRANSITION: HIGH-RESOLUTION STABLE ISOTOPE RECORDS FROM 1171
Authors: Amelia Shevenell and James P. Kennett

Title: MIDDLE MIOCENE HIGH-RESOLUTION BENTHIC FORAMINIFERAL STABLE ISOTOPE RECORDS FROM SITE 1168
Author: Ennyu, Pekar, Ninnemann, Janecek, and Arthur

Title: MID-MIOCENE BENTHIC FORAMINIFERAL Mg/Ca RECORD FROM SITE 1168
Author: Ennyu, Pekar, and Arthur

Title: MIOCENE PLANKTIC FORAMINIFERAL STABLE ISOTOPES FROM SITES 1170 AND 1172
Author: Ennyu and M. Arthur

Title: SOUTHERN OCEAN PALEOCEANOGRAPHIC EVOLUTION DURING THE EARLY MIOCENE (21.0-16.4 MA): HIGH-RESOLUTION BENTHIC FORAMINIFERAL STABLE ISOTOPIC AND Mg/Ca RATIO RECORDS FROM SITE 1168
Author: Pekar, S.; Ennyu, A; Lynch-Stieglitz, J.; deMenocal, P.

Title: METHANE HYDRATE INSTABILITY AT SITE 1168: EVIDENCE FOR WARM SALINE TETHYAN OUTFLOW WATER PENETRATION INTO THE SOUTHERN OCEAN.
Author: Pekar, S.; Malone, M; White, T; Hill, P.

Title: HIGH-LATITUDE THERMOHALINE CIRCULATION DURING THE OLIGOCENE-MIOCENE TRANSITION: ISOTOPIC ($d^{18}O$, $d^{13}C$), ELEMENTAL (Mg/Ca, Sr/Ca), AND SEDIMENTOLOGICAL DATA FROM ODP SITE 1168 (TASMAN GATEWAY, SOUTHERN OCEAN)
Author: Schellenberg, Pfuhl, et al.

Title: PALEOCEANOGRAPHIC CHANGE IN THE AUSTRALO-ANTARCTIC GATEWAY ACROSS THE OLIGOCENE/MIOCENE-BOUNDARY

Authors: Pfuhl, Schellenberg, Kelly, Hall, I., Shackleton

Title: WAS ANTARCTICA KEPT WARM BY SUBTROPICAL WATERS DURING THE EOCENE?"

Authors: Brinkhuis, H., Huber, M., Stickley, C.E., Schellenberg, S.A., Sluis, A., Kennett, J.P., Williams, G.L., Exon, N.F., and prob. others

Title: HIGH-RESOLUTION LATITUDE PALEOENVIRONMENTAL CHANGES DURING THE MIDDLE EOCENE: BENTHIC FORAMINIFERAL AND LITHOSTRATIGRAPHIC EVIDENCE FROM SITE 1171

Authors: Pekar, S.; White, T.; Exon, N; Brinkhaus, H; Hucks, A.; Fuller, M.

Title: PALEOCEANOGRAPHIC AND PALEOCLIMATIC IMPLICATIONS OF HIGH RESOLUTION GEOCHEMICAL FACIES ANALYSES OF EOCENE/OLIGOCENE SEDIMENT FROM THE SOUTH TASMAN RISE, INDIAN AND PACIFIC OCEANS

Authors: White, T.S., Nuernberg, D., Brinkhuis, H , Pekar, S.?

Sedimentology

Title: LATE EOCENE TEPHRA CHRONOLOGY ON THE EAST TASMAN PLATEAU - RESULTS FROM SITE 1172, ODP LEG 189

Author: Grauert, Exon, and Fuller

Title: DISTRIBUTION OF ORGANIC MATTER AND SEDIMENTARY EVOLUTION IN THE MIDDLE EOCENE OF THE SOUTH TASMAN RISE AND PACIFIC OCEAN

Authors: Pellaton, C., White, T.S., Gorin

Paleomagnetism

Title: MAGNETOSTRATIGRAPHY OF SITE 1172, LEG 189

Authors: Fuller and Touchard

Title: OLIGOCENE - EARLY MIOCENE MAGNETOSTRATIGRAPHY OF SITE 1168, LEG 189

Author: Touchard and Fuller.

Geochemistry and Diagenesis

Title: THERMAL MATURATION HISTORY OF EOCENE SEDIMENT FROM THE SOUTH TASMAN RISE, INDIAN AND PACIFIC OCEAN

Authors: White, Exon, Pellaton and Hill??

Title: ORIGIN OF PORE-WATER FRESHENING (LOW Cl- FLUIDS) ON PASSIVE CONTINENTAL MARGIN: TASMAN REGION

Author: Malone, Martin, J., Spivack, A., White and Nürnberg

Cyclostratigraphy and Core-Log Integration

Title: EVOLUTION OF ORBITALLY CONTROLLED CHANGES IN INSOLATION, CLIMATE ATMOSPHERE CIRCULATION AND SEDIMENTARY CYCLICTY RECORDED IN CORE AND DOWNHOLE LOGS (possible to Science)

Authors: Janecek, Ninnemann, + others that contribute

ODP SCIENTIFIC RESULTS VOLUME: WWW & CD-ROM

Title: LATE EOCENE TO NEOGENE DINOFLAGELLATE CYSTS FROM ODP SITE 1168, OFF WESTERN TASMANIA

Authors: Brinkhuis, H., Munsterman, D.M., Sluijs, A., Warnaar, J. & Williams, G.L.

Title: MAASTRICHTIAN TO EARLIEST OLIGOCENE DINOFLAGELLATE CYSTS FROM ODP SITE 1172, OFF EASTERN TASMANIA

Authors: Brinkhuis, H., Sluijs, A., Warnaar, J. & Williams, G.L.

Title: SOUTHERN OCEAN AND GLOBAL DINOFLAGELLATE CYST EVENTS COMPARED: INDEX EVENTS FOR THE LATE CRETACEOUS TO NEOGENE

Authors: Williams, G.L., Brinkhuis, H., Fensome, R.A., Pearce, M. and Weegink, J.W.

Title: DINOFLAGELLATE CYSTS FROM THE EOCENE/OLIGOCENE TRANSITION, SOUTHERN OCEAN

Authors: Brinkhuis, H., Sluijs, A., Warnaar, J. & Williams, G.L.

Title: PLIOCENE-QUATERNARY DINOFLAGELLATE CYSTS FROM THE SOUTHERN OCEAN, AN INVENTORY FROM ODP LEG 189, SITES 1168-1172

Authors: Brinkhuis, H., and Sengers, S.

Title: PLEISTOCENE CALCAREOUS NANNOFOSSIL BIOSTRATIGRAPHY, ODP SITES 1170 AND 1172

Authors: Lara, J., McGonigal, K.L., and Ladner, B.C.

Title: PLEISTOCENE CALCAREOUS NANNOFOSSIL BIOSTRATIGRAPHY, ODP SITES 1168 AND 1171

Authors: Stant, S.A., McGonigal, K.L., and Ladner, B.C.

Title: [CENOZOIC EVOLUTION OF PALEOENVIRONMENTS FROM CLAY MINERAL DATA \(TASMANIAN AREAS, ODP LEG 189\)](#)

Authors: [Christian Robert, Herve Chamley and others](#)

Title: *DATA REPORT*: ISOTOPIC COMPOSITION OF INTERSTITIAL WATERS, TASMANIAN SEAWAY, ODP LEG 189

Authors: Malone, M.J., and Martin, J.B.

Title: *DATA REPORT*: BIOMARKER STUFF

Authors: White, T., and Lernihan, C.

Title: [DATA REPORT: LATE EOCENE TO PRESENT SEDIMENT GEOCHEMISTRY IN THE TASMAN SEA REGION](#)

Author: [Latimer](#)

Title: [CORE-LOG INTEGRATION TOWARD A CONTINUOUS 90-24 MY CYCLOSTRATIGRAPHY FOR LEG 189 SITES](#)

Authors: [Ninnemann, Janacek + others](#)

AGU ANTARCTIC RESEARCH SERIES

The Tasmanian Gateway opening and its climatic consequences

PREFACE: Neville F. Exon, James P. Kennett, and Mitchell J. Malone

Paleoceanography

Title: SURFACE OCEAN PRODUCTIVITY AND TERRIGENOUS FLUX IN THE AUSTRALO-ANTARCTIC SEAWAY DURING PLIO/PLEISTOCENE TO HOLOCENE TIMES – A GEOCHEMICAL APPROACH

Authors: Nuernberg, D., Brughmans, N., White, T., Latimer J., Nees, S., Ninnemann, U. (order TBD)

Title: PLIOCENE-PLEISTOCENE (~0.3.5 Ma) CHANGES IN SOUTH OCEAN CLIMATE AND DEEPWATER CHEMISTRY: EVIDENCE FROM HIGH-RESOLUTION LEGL 189 STABLE ISOTOPE RECORDS

Authors: Ninnemann, U., Nuernberg, D., Brughmans, N., Lynch-Steiglitz, J. etc

Title: PALEOCEANOGRAPHIC HISTORY OVER THE MIOCENE/PLIOCENE TRANSITION IN TEMPERATE TO SUBANTARCTIC WATER MASSES: SITES 1168 AND 1170

Author: Kennett, J.P.

Title: PALEOCEANOGRAPHIC IMPLICATIONS OF STABLE ISOTOPIC AND SEDIMENTOLOGIC CHANGE ACROSS THE MIOCENE/PLIOCENE BOUNDARY ON THE EAST TASMAN PLATEAU (ODP SITE 1172B)

Authors: Rebecca Tedford and Clay Kelly

Title: "BOTTLE GREEN" MICROTEKTITES FROM THE SOUTH TASMAN RISE (ODP SITE 1169): EVIDENCE FOR AN IMPACT EVENT NEAR THE MIOCENE/PLIOCENE BOUNDARY

Authors: Clay Kelly, Lindy Elkins-Tanton

Title: MIDDLE MIOCENE PALEOCEANOGRAPHY ACROSS THE TASMANIAN GATEWAY: PLANKTIC AND BENTHIC FORAMINIFERAL STABLE ISOTOPE RECORDS FROM ODP LEG 189, SITES 1170 AND 1172

Authors: Ennyu, A. and Arthur, M.

Title: SEA-SURFACE CHANGES IN THE SOUTHERN OCEAN DURING THE EARLY MIOCENE (21.0-16.4Ma): STABLE ISOTOPE RECORDS FROM SHALLOW-WATER DWELLING PLANKTONIC FORAMINIFERS FROM SITE 1168

Authors: Pekar, S., Ennyu, A. and Lynch-Stieglitz, J.

Title: MIOCENE VARIATIONS OF P BURIAL AND PALEOPRODUCTIVITY IN THE TASMAN SEAWAY

Authors: Latimer, J.C. and Filippelli, G.M.

Title: ODP SITE 1171 (LEG 189), SOUTH TASMAN RISE: HISTORY OF PALEOPRODUCTIVITY AND ICE RAFTING

Authors: Diester-Haass, L. and Nees, S.

Title: THE OLIGOCENE-MIOCENE BOUNDARY: LINKING PALEOCEANOGRAPHIC CHANGE IN THE AUSTRALO-ANTARCTIC GATEWAY WITH CHANGES IN SOUTHERN OCEAN CIRCULATION (SITES 1168, 1170-1172)

Authors: Pfühl, H.A. and McCave

Sedimentology

Title: PALEOGENE OCEAN OPENING AND ENVIRONMENTAL CONSEQUENCES FROM CLAY MINERAL DATA

Authors: Christian Robert et al

Title: SEDIMENTOLOGY OF LATEST CRETACEOUS AND PALEOGENE SEQUENCES FROM A TEMPERATE ANTARCTIC MARGIN, ODP LEG 189 IN THE OFFSHORE TASMANIA

Authors: Exon, N.F., Brinkhuis, H., Robert, C., Rohl, U., Kennett, J.P. and Pekar, S.

Cyclostratigraphy and Core-Log Integration

Title: HIGH RESOLUTION CHRONOLOGY OF THE PALEOCENE/EOCENE TRANSITION DRILLED AT SITES 1171 AND 1172

Authors: Röhl, U., Brinkhuis, H., Fuller, M.

Title: CYCLESTRATIGRAPHY OF MIDDLE AND LATE EOCENE SEDIMENTS DRILLED ON THE EAST TASMAN PLATEAU (SITE 1172)

Authors: Röhl, U., Brinkhuis, H., Fuller, M., Schellenberg, S. A., Stickley, C. M., Williams, G. L.

Title: CYCLOSTRATIGRAPHY AND ASTRONOMICAL CALIBRATION OF THE LATE NEOGENE TIME SCALE USING LEG 189 COMPOSITE SEDIMENTARY SECTIONS

Authors: Janecek, T.R., Ninnemann, U. and others

Title: CENOZOIC EVOLUTION OF THE AUSTRALO-ANTARCTIC GATEWAY: CONSTRAINTS FROM BIOGENIC AND TERRIGENOUS FLUX (LEG 189 SEDIMENTS)

Authors: Schellenberg, S.A., Janecek, T.R. et al.

Biostratigraphy, Paleomagnetism, Geochemistry, & Tectonics

Title: LATEST OLIGOCENE TO PLEISTOCENE PLANKTIC FORAMINIFERAL BIOSTRATIGRAPHY, SITES 1168 AND 1172

Authors: Chaproniere, G.C.H. and Kelly, D.C.

Title: MIOCENE CALCAREOUS NANNOFOSSIL BIOSTRATIGRAPHY, ODP LEG 189

Authors: McGonigal, K.L. and Wei, W.

Title: MAGNETOSTRATIGRAPHY OF LEG 189

Authors: Touchard, J. and Fuller, M.

Title: MAGNETOSTRATIGRAPHY ON THE LATE EOCENE-OLIGOCENE RECORD AT HOLE 1168A, LEG 189

Authors: Touchard, J. and Fuller, M.

Title: RECORD OF EOCENE SOUTHERN OCEAN REDOX AND PORE-WATER SALINITY CHANGES AND THEIR PALEOCEANOGRAPHIC SIGNIFICANCE

Authors: White, T.S. and Malone, M.J.

Title: TECTONICS OF THE OFFSHORE TASMANIAN AREA FROM LEG 189 OF THE OCEAN DRILLING PROGRAM

Authors: Hill, P.J, Exon, N.F. et al

Syntheses

Title: CRETACEOUS TO EOCENE DELTAIC AND SHALLOW MARINE SEQUENCES OF THE TASMANIAN RIFTS BETWEEN ANTARCTICA AND AUSTRALIA

Authors: N.F. Exon, J.P. Kennett and M. Malone

Title: PALEOCEANOGRAPHIC EVOLUTION OF THE TASMANIAN SEAWAY AND ITS CLIMATIC IMPLICATIONS

Authors: Kennett, J.P. and Exon, N.F.

Title: ENVIRONMENTAL CHANGES AT THE CRETACEOUS/TERTIARY TRANSITION, SOUTHERN OCEAN

Authors: Schellenburg, SA., Brinkhuis, H., White, T.S., Stickley, S., Kyte, Kennett, J.P., McGonigal, K.

Title: THE TIMING AND NATURE OF THE OPENING OF THE TASMANIAN GATEWAY AT THE EOCENE-OLIGOCENE TRANSITION: ODP SITE 1172.

Authors: C.E. Stickley, H. Brinkhuis, S.A. Schellenberg, A. Sluijs, M. Fuller, N.F. Exon & J.P. Kennett)... authorship to be decided.