

INDEX TO VOLUME 115

This index provides coverage for both the *Initial Reports* and *Scientific Results* portions of Volume 115 of the *Proceedings of the Ocean Drilling Program*. Index entries with the suffix *a* refer to pages in the *Initial Reports*, and those with *b*, to pages in the *Scientific Results* (this book).

The index is presented in three parts: (1) a Subject Index, (2) a Site Index, and (3) a Paleontological Index. In addition to this printed version, the index is also available in the form of a machine-readable, ASCII-encoded, 9-track magnetic tape, 1600 bpi.

The index was prepared by Wm. J. Richardson Associates, Inc., under subcontract to the Ocean Drilling Program. It follows the concept developed by the Deep Sea Drilling Project at Scripps Institution of Oceanography for a comprehensive, cumulative index of DSDP volumes. Both of these indexes are based on a hierarchy of entries: (1) a main entry, defined as a key word or concept followed by a reference to the page on which that word or concept appears; (2) a subentry, defined as a further elaboration on the main entry followed by a page reference; and (3) a sub-subentry, defined as an even further elaboration on the main entry or subentry followed by a page reference.

The Subject Index follows a standard format. Geographic and individual names are referenced in the index only if they are subjects of discussion. This index also includes broad fossil groups, such as foraminifers and radiolarians, which also appear in the Paleontological Index.

The Site Index is structured to contain entries for the sites discussed in the volume. Site entries are modified by subject subentries.

The Paleontological Index is an index relating to significant findings and/or substantive discussions, not of species names per se. This index covers three varieties of information: (1) broad fossil groups, including individual genera and species that have been erected or emended formally; (2) biostratigraphic zones; and (3) fossils depicted in illustrations.

The indexes cover text figures and tables but not core description forms ("barrel sheets") or core photographs. Also excluded are bibliographic references, names of individuals, and routine front and back matter.

For further information, contact the Chief Production Editor, Ocean Drilling Program, 1000 Discovery Drive, College Station, Texas 77845-9547.

SUBJECT INDEX

- Acoustic impedance
 Chagos Bank: Site 712, 756a, 762a
 Chagos Bank: Site 713, 757a, 765a
 basement rock, 766a
 Indian Ocean W equatorial: Site 708,
 418a-420a, 424a, 425a
 lithologic correlation, 426a
 Indian Ocean W equatorial: Site 711,
 679a-680a, 688a, 689a, 690a
 Madingly Rise: Site 709, 483a-484a,
 495a-496a, 497a
 Madingly Rise: Site 710, 611a, 620a, 621a, 622a
 Maldives Ridge: Site 714, 859a-860a, 870a,
 871a
 Maldives Ridge: Site 715, 936a, 939a
 Mascarene Plateau, 270a, 272a, 277a, 280a,
 281a, 283a
 basement rocks, 271a
 Nazareth Bank, 162a
- African Plate
 movement over South Atlantic hotspots, 5b
 separation from Indian Plate, 43b
- Agulhas Plateau, hotspot activity, 7b
- Alkalinity
 Chagos Bank: Site 712, 750a
 in interstitial waters, 631b, 634b
 Chagos Bank: Site 713, 77b, 750a
 basalt, 75b
 in interstitial waters, 631b, 634b
 Indian Ocean W equatorial: Site 708, 416a
 carbonate precipitation and, 640b
 in interstitial waters, 631b, 634b
 Indian Ocean W equatorial: Site 711, 674a
 in interstitial waters, 631b, 634b
 Madingly Rise, carbonate precipitation and,
 640b
 Madingly Rise: Site 709, 480a
 in interstitial waters, 631b, 634b
 Madingly Rise: Site 710, 609a
 in interstitial waters, 631b, 634b
 Maldives Ridge: Site 714, 857a, 863a
 in interstitial waters, 631b, 634b
 Maldives Ridge: Site 715, 77b
 basalt, 75b
 in interstitial waters, 631b, 634b
 Maldives Ridge: Site 716, 1013a, 1015a
 in interstitial waters, 631b, 634b
 Mascarene Plateau, 77b, 260a
 basalt, 75b
 carbonate precipitation and, 640b
 in interstitial waters, 631b, 634b
 Nazareth Bank, 77b, 144a
 basalt, 75b
 in interstitial waters, 631b, 634b
- Alteration
 basalt
 Maldives Ridge: Site 715, 93b-100b
 Nazareth Bank, 26b, 77b, 85b-91b, 146a,
 147a-148a
- Alteration, low-temperature
 basalt, Indian Ocean W equatorial, 106b
 oceanic-island basalt, Nazareth Bank, 89b, 91b
- Aluminum, Nazareth Bank, 710b
- Aluminum oxide
 Chagos Bank: Site 713, basalt, 74b
 Maldives Ridge: Site 715, basalt, 74b
 Mascarene Plateau, basalt, 74b
 Nazareth Bank, 73b
 basalt, 74b
- Ammonia
 Chagos Bank, in interstitial waters, 631b, 634b
 Indian Ocean W equatorial, in interstitial
 waters, 631b, 634b
 Indian Ocean W equatorial: Site 711, 674a
 Madingly Rise, in interstitial waters, 631b, 634b
 Madingly Rise: Site 709, 480a
 sulfate concentration and, 642b
 Madingly Rise: Site 710, 609a
 Maldives Ridge, in interstitial waters, 631b,
 634b
 Maldives Ridge: Site 714, 857a, 863a
 Maldives Ridge: Site 716, 1013a, 1015a
 Mascarene Plateau, in interstitial waters, 631b,
 634b
 Nazareth Bank, in interstitial waters, 631b, 634b
 Anhydrite, Maldives Ridge: Site 715, 945a
 Antarctic Bottom Water, movement into Indian
 Ocean, sedimentation rate effects, 259a
 Antarctic Plate, hotspot activity, 5a
 Antarctica, isolation of, effect on water circula-
 tion, 237a
 Apparent polar-wander paths
 African Plate, 115b
 Indian Plate, 115b
See also True polar wander
- Arabian Sea, upwelling, oxidation-reduction ef-
 fects, 767b
- Aragonite
 in carbonate formation, Maldives Ridge: Site
 714, 848a
 dissolution, Maldives Ridge: Site 716, 582b
 Indian Ocean W equatorial, strontium isotopes,
 635b
 Indian Ocean W equatorial: Site 708, 406a, 416a
 Maldives Ridge
 carbonate preservation and, 560b-561b, 562b
 fine vs. total sediment, 551b
 magnesian calcite and, 551b
 oxygen isotopes and, 551b, 553b, 554b, 555b,
 556b, 557b
 Maldives Ridge: Site 714, 546b, 859a
 oxygen isotopes and, 557b
 strontium concentration, 857a
 Maldives Ridge: Site 716, 544b-545b, 546b,
 1005a-1006a
 burial diagenesis, 657b
 minimum, and magnesian calcite appearance,
 557b
 oxygen isotopes and, 557b, 558b, 564b, 565b
 periplatform sediments, 648b, 649b
 Mascarene Plateau
 strontium/calcium ratio, 98b
 strontium/magnesium ratio, 97b
 Nazareth Bank, 145a-146a
 oxygen isotopes and, 540b
 in periplatform ooze, 539b-541b
 climatic cycles, 849a
 Pleistocene cyclicity
 Bahamas Bank, 539b-541b
 bank-derived aragonite variation and, 540b,
 562b
 Maldives Island, 13a-14a
 Maldives Ridge: Site 716, 558b, 564b, 565b
 precipitation, Mascarene Plateau, 99b
 preservation, Maldives Ridge: Site 716, 582b,
 584b, 587b
 recrystallization, Maldives Ridge: Site 716, 656b
 supercycles
 correlation, Pliocene-Pleistocene oxygen mini-
 mum, 564b
 global occurrence, 562b-564b
 Maldives Ridge: Site 716, 562b, 563b, 564b-
 565b
 Aragonite-compensation depth
 Maldives Ridge: Site 714, 848a
 Maldives Ridge: Site 716, 1005a-1006a
 Aragonite/calcite ratio
 Madingly Rise: Site 709, with sea-level
 changes, 667b, 671b
 strontium concentration and, 669b
 Argon geochronology
 basalt
 C/K ratios, 46b-47b
 Chagos Bank: Site 713, 48b
 Maldives Ridge: Site 715, 48b
 Mascarene Plateau, 48b
 Nazareth Bank, 48b
 Réunion hotspot track, 46b
 basement rock
 Chagos Bank, 43b-50b
 Maldives Ridge, 43b-50b
 Mascarene Plateau, 43b-50b
 Seychelles Dikes, 120b, 121b
- Ash layers
 Chagos Bank: Site 713, 734a, 739a
 basement rock, 756a
 cross-stratification, 740a
 magnetic properties, 746a
 Indian Ocean W equatorial: Site 708, 671a
 Indian Ocean W equatorial: Site 711, magnetic
 susceptibility, 671a
 Madingly Rise, 465a, 671a
 Madingly Rise: Site 709
 Miocene/Pliocene boundary, 461a
 Oligocene/Miocene boundary, 465a
 Madingly Rise: Site 710, magnetic
 susceptibility, 606a-607a, 741b
 Mascarene Plateau, 240a-241a, 244a
 magnetic properties, 113b
 Nazareth Bank, 126a, 128a, 132a, 133a
 magnetic properties, 140a
- Ash, trachytic volcanic, Chagos Bank: Site 713,
 739a
- Atlantic Ocean N
 aragonite cycles, carbonate preservation and,
 561b-562b
 carbonate, paleoredox conditions, 709b
 Atlantic Ocean S, carbonate, paleoredox condi-
 tions, 709b
- Augite
 Chagos Bank: Site 713, host magma, 38b
 Maldives Ridge: Site 715, magnesium number,
 40b
 Mascarene Plateau, magnesium content, 37b
 megacrysts, Chagos Bank: Site 713, 39b
 Nazareth Bank, 147a
 magnesium number, 34b
 phenocrysts, 27b-28b
 titaniferous, Nazareth Bank, 63b
- Australia, NE, carbonate, modern shallow-water
 systems, 542b
- Bahamas
 aragonite, oxygen isotope records and,
 Pliocene-Pleistocene, 557b-558b
 carbonate, modern shallow-water systems, 542b
 seafloor cements, in periplatform sediments,
 655b
- Barite
 Indian Ocean W equatorial: Site 711, 687b, 695b

SUBJECT INDEX

- precipitation, environment, 688b
sources, 687b-688b
- Madingley Rise: Site 709, 613b, 616b, 617b, 687b
oxygen isotopes and, 618b
Pleistocene cyclicality, 619b
precipitation, environment, 688b
sources, 687b-688b
- Mascarene Plateau, 687b
precipitation, environment, 688b
sources, 687b-688b
- Barium, Indian Ocean W equatorial: Site 711, 706b
- Barium/thorium oxide ratio, Deccan-Réunion lineament, 20b
- Basalt
alkaline magma production, 63b
Ambenali Formation, lead isotopes, 56b
argon geochronology
 Ca/K ratios, 46b-47b
 Chagos Bank: Site 713, 48b
 Maldives Ridge: Site 715, 48b
 Mascarene Plateau, 48b
 Nazareth Bank, 48b
Chagos Bank: Site 712
 geochemistry, 736a
 isotopic composition, 8b
 magnetic properties, 747a
 mantle source, 736a
 Units 1-35, 753a-754a
Chagos Bank: Site 713
 alteration, 31b
 crystallization rate, 106b-107b
 geochemistry, 7b, 18b, 31b, 37b-39b, 104b, 736a, 758a-759a
 grain size, 108b-110b
 iron-titanium oxides, 104b-105b
 isotopic composition, 8b, 53b-60b, 65b-66b
 magma mixing, 40b
 magma types, 20b
 magnetic properties, 103b, 104b, 105b, 734a, 747a
 grain texture and, 105b-106b
 magnetic susceptibility, 755a, 756a
 major and trace elements, 73b-76b
 mantle source, 19b-20b, 736a, 754a-755a
 mineral chemistry, 31b-32b
 mineralogy, 31b, 45b, 74b
 modal abundance, opaque phases, 105b
 petrography, 103b, 104b, 734a
 physical properties, 766a
 primary component of magnetization, 749a
 Units 1-35, 753a-754a
Chagos-Laccadive Ridge, isotopic composition, 56b
- Deccan Traps, 6a-7a
 Cretaceous/Tertiary boundary, 236a
 and Nazareth Bank basalts, 5a
 fractional crystallization, 64b
 geochemistry, flood basalt vs. oceanic-island volcanism
 giant plagioclase, Nazareth Bank, 25b
 Indian Ocean
 iridium concentration, 82b
 origin, 5a
 Indian Ocean W equatorial, isotopic composition, 8b
 Kerguelen Plateau, 3b
 Madingley Rise, isotopic composition, 8b
 Maldives Ridge: Site 714, isotopic composition, 8b
 Maldives Ridge: Site 715
 alteration, 33b
 subaerial weathering and cooling, 99b
- calcite-cemented conglomerate, 95b
comparison, Mauritius and Réunion basalts, 19b
contact, carbonate sandstone, 933a
crystallization, 40b, 106b-107b
dating, 918a
emergence and submergence events, 98b
Eocene, 50b
geochemistry, 33b, 39b-40b, 104b, 934a
grain size, 108b-110b
iron-titanium oxides, 104b-105b
isotopic composition, 8b, 60b, 65b-66b
lateritic alteration, 935a
macroscopic characteristics, 930a-933a
magma types, 20b-21b
magnesium numbers, 936a
magnetic properties, 103b, 104b, 105b, 918a, 926a, 934a-935a
 grain texture and, 105b-106b
 major and trace elements, 73b-76b
mantle source, 19b-20b
mineralogy, 31b, 33b, 45b
modal abundance, opaque phases, 105b
ocean crust alteration, 93b-100b
petrography, 73b, 103b, 105b, 932a, 934a, 935a-936a
preservation, 925a
primary component of magnetization, 927a
secondary carbonate geochemistry, 93b-100b
stable isotopes, 95b-96b, 97b
trace elements, 7b
- Maldives Ridge: Site 716, isotopic composition, 8b
- Mascarene Islands
 age of crystallization, 48b
 geochemical variation, 9a
 mantle source, 9a
- Mascarene Plateau
 age, 236a, 265a
 alteration, 30b, 72b
 changes in magma source, 56b
 clay-filled vesicles, 95b
 correlation, Ambenali Formation, 13b, 18b
 crystallization rate, 106b-107b
 depositional environment, 236a
 Eocene/Oligocene boundary, 50b
 flow units, 236a
 formation, 265a
 geochemical stratification, source depletion, 68b
 geochemistry, 30b, 35b-36b, 72b-73b, 104b, 271a
 grain size, 108b-110b, 270a
 iron-titanium oxides, 104b-105b
 isotopic composition, 8b, 53b-40b, 65b-66b
 light carbon, 99b
 magma mixing, 40b
 magnetic properties, 103b, 104b, 105b, 252a, 255a
 grain texture and, 105b-106b
 major and trace elements, 18b, 73b-76b
 mantle source, 19b-20b, 54b, 67b
 methane content, 99b
 mineral chemistry, 30b
 mineralogy, 30b, 45b
 modal abundance, opaque phases, 105b
 ocean crust alteration, 93b-100b
 petrography, 104b, 105b
 physical properties, 264a
 secondary carbonate geochemistry, 93b-100b
 stable isotopes, 95b-96b, 97b
 stratigraphy, 270a
 subaerial eruption, 18b
 Units 1-5, 261a-264a
- Mauritius Island
 changes in magma source, 56b
 neodymium isotope ratios, 55b-56b
 melting-phase relations, 63b-64b
 Mascarene Plateau, 66b
 Nazareth Bank, 66b
Nazareth Bank, 86b, 145a, 149a
 age of crystallization, 50b
 age-depth constraints, 129a
 alteration, 26b, 77b, 85b-91b, 146a, 147a-148a
 Ambenali Formation and, 13b
 contacts, 157a
 cryptocrystalline groundmasses, 147a
 crystallization, 35a, 106b-107b
 enriched vs. depleted groups, 63b
 geochemistry, 25b-26b, 72b, 104b, 154a-155a
 glassy chilled margins, 146a-147a
 grain size, 108b-110b
 high- and low-titanium, 148a
 iron-titanium oxides, 104b-105b
 isotopic composition, 8b, 53b-60b, 65b-66b
 magma composition, 64b
 magma mixing, 40b
 magma supply rate, 40b-41b
 magma types, 20b, 126a
 magnetic properties, 50b, 103b, 104b, 105b, 138a, 140a
 grain texture and, 105b-106b
 major and trace elements, 11b-13b, 73b-76b
 mantle source, 19b-20b, 67b
 Mauritius and Réunion basalts and, 148a-149a
 mineral chemistry, 26b-30b
 mineralogy, 26b, 45b
 modal abundance, opaque phases, 105b
 petrography, 103b, 104b, 147a, 156a
 plagioclase content, 148a-149a
 Rodrigues Island basalts and, 149a
 source depletion, 68b
 upper vs. lower lava groups, 13b
Ninetyeast Ridge, 3b
petrography
 Chagos Bank: Site 713, 71b-72b
 Maldives Ridge: Site 715, 71b-72b
 Mascarene Plateau, 71b-72b
 Nazareth Bank, 71b-72b
 phenocrysts, Nazareth Bank, 34b
 Réunion hotspot track, geochemistry, 8b-9b
- Réunion Island
 changes in magma source, 56b
 isotopic composition, 55b
- Rodrigues Island, Nazareth Bank basalts and, 149a
- Saya de Malha Bank, alteration, 45b
- Seychelles Dikes, age of crystallization, 120b
sodium vs. niobium, 13a
Suiko Seamount, magnetic properties, 8b
Walvis Ridge, Tristan mantle plume and, 54b
See also Flood basalt volcanism; Mid-Ocean Ridge basalts (MORB); Oceanic-island basalt (OIB)
- Basalt, alkaline, Nazareth Bank, 67b
Basalt, hawaiitic, Chagos Bank: Site 713, 753a, 754a
Basalt, magnesian, Indian Ocean W equatorial, geochemistry, 65b
Basalt, olivine
 Maldives Ridge: Site 715, 917a
 Rodrigues Island, 7a
Basalt, plagioclase-phyric, Maldives Ridge: Site 715, 918a
Basalt, tholeiitic
 Mascarene Plateau, 63b
 depth of generation, 67b

- reversed polarity, 50b
- Basement
- Chagos Bank, 751a-756a
macroscopic characteristics, 753a-754a
- Chagos Brink: Site 713
depositional environment, 126b
emplacement, 125b
magnetic properties, 111b-112b, 113b-114b, 927a
MgO variation, 65b
physical properties, 758a
- Maldives Ridge: Site 715
depositional environment, 126b
emplacement, 125b
lava flow units, 931a
macroscopic characteristics, 930a-933a
magnetic properties, 111b-112b, 114b
magnetic susceptibility, 934a-935a
MgO variation, 65b
petrography, 934a, 935a-936a
physical properties, 937a
resistivity logs, 939a
seismic stratigraphy, 937a-938a
Units 1-21, 930a-933a
- Mascarene Plateau
emplacement, 125b, 126b
formation, 233a, 235a
macroscopic characteristics, 261a-263a
magnetic properties, 111b-112b, 113b, 116b, 927a
magnetic susceptibility, 264a
MgO variation, 65b
origin, 237a
petrography, 263a-264a
physical properties, 271a-272a
- Nazareth Bank, 146a
basaltic flow sequence, 126a
emplacement, 125b
magnetic properties, 111b-112b, 113b, 927a
MgO variation, 65b
physical properties, 151a
source, 146a
- Bengal Fan, sedimentation, 598b, 600b, 707b
- Biscay, Bay of, oxygen minimum zone, boliviniid abundance and diversity, 597b-598b
- Bouvet Island, hotspot activity, 7b
- Bouvet-Agulhas Plateau, hotspot activity, 5b
- Breccia, basaltic, Mascarene Plateau, 263a
- Broken Ridge
carbonate accumulation, winnowing effects, 484b
hotspot activity, 3b
- Cadmium/calcium ratios, benthic foraminifers, Madingly Rise: Site 709, 612b, 613b, 616b, 617b, 618b, 619b
- Calcarenite
Maldives Ridge: Site 715, 942a, 944a, 945a
basement, 931a
- Calcite
diagenetic, strontium content, 668b
dissolution
Maldives Ridge: Site 716, 582b
foraminifer fragmentation and, 584b
Madingly Rise: Site 709, oxygen isotopes, 674b
Maldives Ridge: Site 715
precipitation, 99b
stable isotopes, 97b
strontium vs. magnesium, 97b
- Mascarene Plateau
iron-rich, 98b
magnesium-rich, 98b
strontium vs. magnesium, 97b
preservation
- Maldives Ridge: Site 716, 582b, 584b
foraminifer preservation, 587b
recrystallization, Maldives Ridge: Site 716, 656b
recrystallization rate, Indian Ocean W equatorial, strontium isotopes and, 636b-637b
saturation index, Chagos Bank, 750a
- Calcite, low-magnesium, Nazareth Bank, 143a-144a, 145a
- Calcite, magnesian
Maldives Ridge, 557b, 558b
aragonite content and, 551b
fine fraction, 544b-545b, 546b
- Calcite saturation horizon, water circulation and, 237a
- Calcium
Chagos Bank, 642b-643b, 749a-750a, 753a
in interstitial waters, 630b, 631b
Indian Ocean W equatorial: Site 708, 414a, 416a, 641b, 642b-643b
in interstitial waters, 630b, 631b
Indian Ocean W equatorial: Site 711, 641b, 642b-643b, 674a, 680a
in interstitial waters, 630b, 631b
Madingly Rise: Site 709, 479a-480a, 486a, 641b, 642b-643b
in interstitial waters, 630b, 631b
Madingly Rise: Site 710, 609a, 613a, 641b, 642b-643b
in interstitial waters, 630b, 631b
Maldives Ridge, 641b, 642b-643b, 863a, 930a, 942a, 1012a-1013a, 1015a
in interstitial waters, 630b, 631b
Maldives Ridge: Site 714, strontium concentration and, 857a
Mascarene Plateau, 259a-260a, 265a, 641b, 642b-643b
in interstitial waters, 630b, 631b
Nazareth Bank, 144a, 642b-643b
in interstitial waters, 630b, 631b
- Calcium carbonate
dissolution gradient, Indian Ocean, 468b
Maldives Ridge: Site 715, 936a
Maldives Ridge: Site 716, 653b, 654b
- Calcium/magnesium gradient
with alteration of crustal rocks, 642b
basement rock, 643b
Chagos Bank, 642b-643b
in interstitial waters, 630b
Indian Ocean W equatorial: Site 708, 642b-643b
in interstitial waters, 630b
Indian Ocean W equatorial: Site 711, 642b-643b
in interstitial waters, 630b
Madingly Rise, 642b-643b
in interstitial waters, 630b
Madingly Rise: Site 709, carbonate sediments, 671b
Maldives Ridge, 642b-643b
Maldives Ridge: Site 716, in interstitial waters, 630b
Mascarene Plateau, 642b-643b
in interstitial waters, 630b
Nazareth Bank, 642b-643b
in interstitial waters, 630b
- Carbon isotopes
global cycles, Oligocene-Miocene, 662b
Madingly Rise: Site 709, 519b-524b, 525b, 530b-534b
carbonate fine fraction, 663b-666b, 667b
dissolved respiratory CO₂ and, 520b
fine fraction, 662b
planktonic:benthic ratios and, 520b, 524b, 528b
sea-level changes and, 662b, 674b
- Maldives Ridge: Site 714
benthic foraminifers, 600b
boliviniid abundances and, 597b
planktonic foraminifers, 600b
surface-to-bottom differential, 597b, 601b, 602b, 603b, 604b
- Maldives Ridge: Site 716
covariance, magnesium and aragonite, 657b
periplatform sediments, 654b-655b
- Carbon, organic
Chagos Bank, 751a, 754a
Indian Ocean W equatorial: Site 708, 417a, 420a, 623b
Indian Ocean W equatorial: Site 711, 675a, 682a, 685a
Madingly Rise: Site 709, 481a, 486a
Madingly Rise: Site 710, 609a, 616a, 617a
Maldives Ridge: Site 714, 859a, 865a, 866a
Maldives Ridge: Site 715, 930a
Maldives Ridge: Site 716, 1013a, 1015a, 1016a
Mascarene Plateau, 261a
Nazareth Bank, 144a, 146a, 150a, 152a
- Carbonate dissolution, Indian Ocean W equatorial, 482b-483b
- Carbonate
alkalinity, oxidation of organic materials and, 639b-640b
Atlantic Ocean N
aragonite cycles and preservation of, 561b-562b
glacial/interglacial cycles, 540b
mid-Brunhes dissolution interval, 562b
Bahamas Bank, glacial/interglacial cycles, 540b
Chagos Bank, 738a, 751a, 753a, 757a, 761a, 764a
Chagos-Maldives-Laccadive Ridge, bank and reef deposits, 4b
diagenesis, strontium concentrations and, 649b, 654b, 667b
geochemistry, intermediate water depths, 565b
high-stand shedding, 540b
Indian Ocean W equatorial, Cenozoic evolution, 12a
Indian Ocean W equatorial: Site 708, 401a, 420a, 421a-422a, 424a, 474b
cyclicality, 609a
fluctuation, factors influencing, 403a
magnetic susceptibility, 603a, 741b-743b
minima, 416a-417a
Indian Ocean W equatorial: Site 711, 518b, 675a, 678b, 682a, 683a-684a, 683b, 687a-688a, 700b
comparison, Sites 707-713, 675a, 685a
dissolution, 659a
magnetic susceptibility, 671a, 740b, 741b-743b, 760b-763b
physical properties, 676a
Madingly Rise: Site 709, 465a, 474b, 486a, 487a-489a, 495a, 516b, 678b, 682b
cyclicality, 461a, 481a, 609a
dissolution, 461a
fine fraction, 662b
fluctuations, 465a
grain density and, 483a
magnetic properties, 510b
magnetic susceptibility, 741b-743b, 758b, 760b, 765b
sea-level changes, 674b
Madingly Rise: Site 710, 474b, 516b-518b, 589a, 614a-615a, 616a, 617a, 620a
cyclicality, 609a
dissolution, 591a-592a
fluctuation, color changes from, 593a-594a, 595a

SUBJECT INDEX

- magnetic susceptibility, 603a, 741b-743b
- Maldives Island, Neogene, 14a
- Maldives Ridge
- fine fraction, 542b-543b, 544b-545b, 546b
 - mineralogy, 543b
 - oxygen isotopes, 543b
- Maldives Ridge: Site 714, 474b, 847a-848a, 851a, 858a-859a, 863a-865a, 868a-869a
- dissolution, 848a
 - mineralogy, 575b
 - sources, 848a
- Maldives Ridge: Site 715, 938a
- Maldives Ridge: Site 716, 1005a, 1013a, 1015a, 1016a
- mid-Brunhes dissolution interval, 563b, 565b
 - mineralogy, 568b-574b
 - periplatform sediments, 648b
 - pteropod fragmentation and, 560b-561b
- Mascarene Plateau, 5a, 260a-261a, 266a-268a, 269a, 272a, 277a, 474b, 681b
- bank and reef deposits, 4b
 - cyclicality, 609a
 - dissolution profile, 124b
 - mineralogy, 98b
 - nannofossil ooze, 240a
 - oxygen isotopes, 99b
 - secondary carbonate and, 97b
 - stable isotopes, 96b
- modern shallow-water systems, Maldives Ridge, 542b
- Nazareth Bank, 144a, 150a, 152a
- Pacific Ocean, glacial/interglacial cycles, 540b
- preservation, aragonite saturation level and, 540b
- recrystallization
- alkalinity and, 637b
 - Indian Ocean W equatorial, 637b, 639b-642b
 - strontium content and, 642b
 - strontium isotopes and, 644b
- silica preservation and, Madingly Rise: Site 710, 606a
- stratigraphy, Indian Ocean W equatorial, 470b-471b
- Carbonate accumulation
- Gauss/Matuyama boundary, Indian Ocean W equatorial, 511b
 - Indian Ocean, zero isopleth, 485b
 - Indian Ocean W equatorial, 467b-507b
 - bathymetric variations, 486b
 - dissolution effects, 482b-483b
 - glacial/interglacial cycles, 475b, 478b, 479b
 - Quaternary flux rates, 484b-485b
 - sedimentary regimes, 480b-185b, 487b
 - sedimentation rate and, 471b
 - surface productivity and, 484b, 515b - Indian Ocean W equatorial: Site 708, 474b-475b
 - sedimentary regimes, 480b-485b, 487b
 - Indian Ocean W equatorial: Site 711, 477b-480b, 657a
 - Gauss/Matuyama boundary, 512b
 - magnetostratigraphic correlation, 510b-511b, 515b
 - Miocene, 484b
 - Pliocene, 510b
- Madingly Rise, 475b-477b
- bathymetric variations, 486b
 - bulk density and, 511b-512b
 - dissolution effects, 482b-483b, 513b
 - Gauss/Matuyama boundary, 512b
 - magnetostratigraphic correlation, 510b-511b, 515b
 - Oligocene, 481b-482b
 - sedimentation rate and, 471b
 - surface productivity and, 484b, 515b
- Madingly Rise: Site 709, 484b
- Eocene, 481b
 - Pliocene, 509b-510b
 - sedimentary regimes, 480b-485b, 487b
- Madingly Rise: Site 710, 510b, 591a
- surface productivity and, 513b-514b
- Maldives Ridge: Site 714, 480b
- sedimentary regimes, 480b-485b, 487b
- Mascarene Plateau, 236a, 472b-474b, 484b
- bottom current velocities and, 473b-474b
 - dissolution effects, 473b, 482b-483b
 - sedimentary regimes, 480b-485b, 487b
 - sedimentation rate and, 471b
 - surface productivity and, 473b, 484b
 - winnowing effects, 473b, 482b, 483b
- Miocene dissolution event, Madingly Rise: Site 710, 477b
- Oligocene, Indian Ocean W equatorial: Site 711, 481b-482b
- Oligocene/Miocene boundary
- Indian Ocean W equatorial: Site 711, 479b
 - Madingly Rise, 475b-476b
 - Maldives Ridge: Site 714, 480b
- Pacific Ocean equatorial, grain size and, 485b
- surface-water productivity and, 467b
- Carbonate bank, Nazareth Bank, seismic stratigraphy, 152a
- Carbonate compensation depth
- Atlantic S, Miocene, 483b
 - Indian Ocean, 11a
 - comparison, Pacific S equatorial CCD, 485b-486b, 487b
 - Miocene, surface productivity and, 483b
 - Oligocene/Miocene boundary, 486b
 - shoaling event, 486b, 739b-740b, 741b - Indian Ocean W equatorial, Miocene, 483b
 - Indian Ocean W equatorial: Site 708, 401a, 403a, 405a
 - Eocene/Oligocene boundary, 486b
 - subsidence history and, 485b-487b - Indian Ocean W equatorial: Site 711, 471b
 - Eocene/Oligocene boundary, 486b
 - Pliocene, 515b
 - subsidence history and, 485b-487b
 - vertical changes, 659a
- Madingly Rise: Site 709, 462a
- Eocene/Oligocene boundary, 481b, 486b
 - Pliocene, 515b
 - subsidence history and, 485b-487b
- Madingly Rise: Site 710, 593a
- Eocene/Oligocene boundary, 486b
 - Pliocene, 515b
 - subsidence history and, 485b-487b
- Mascarene Plateau
- Eocene/Oligocene boundary, 486b
 - subsidence history and, 485b-487b
- Nazareth Bank, 134a
- Pacific S equatorial, comparison, Indian Ocean CCD, 485b-486b, 487b
- Carbonate dissolution
- Cenozoic, global forcing mechanism, 467b
 - Indian Ocean, 145a-146a
 - Indian Ocean W equatorial: Site 708, planktonic foraminifers, 623b
 - Indian Ocean W equatorial: Site 711, 478b
 - Gauss/Matuyama boundary, 514b-515b
 - Oligocene/Miocene boundary, 126b
- Madingly Rise: Site 709
- Gauss/Matuyama boundary, 514b-515b
 - Pliocene, 513b
- Madingly Rise: Site 710
- Gauss/Matuyama boundary, 514b-515b
 - Pliocene, 513b
- Mascarene Plateau, 473b, 482b-483b
- Carbonate geochemistry
- Indian Ocean W equatorial, 710b-713b
 - intermediate water depths, cyclic variation, 539b
 - Maldives Ridge: Site 716, correlation, pteropod preservation, 587b
- Carbonate mineralogy
- Maldives Ridge, 543b
 - oxygen isotopes and, 568b-574b, 575b
- Carbonate ooze, periplatform, Indian Ocean W equatorial, 13a
- Carbonate, secondary
- Maldives Ridge: Site 715
 - closed-system diagenesis, 94b
 - formation temperatures, 98b
 - geochemistry, basalt, 93b-100b
 - stable isotopes, 98b
- Mascarene Plateau
- carbon isotopes, 98b
 - closed-system diagenesis, 94b, 99b
 - formation temperatures, 98b
 - geochemistry, basalt, 93b-100b
 - mineralogy, 98b
 - oxygen isotopes, 99b
 - sedimentary carbonate and, 97b
 - sedimentation rate and, 99b
 - strontium isotopes, 98b
- Cargados Carajos, underlying volcanic ridge, 5a
- Carlsberg Ridge, plate tectonics, 18b
- Celestite
- Maldives Ridge: Site 716, 1005a, 1008a
 - in interstitial waters, 631b
 - saturation, strontium concentration and, 654b
- Cement, calcium carbonate
- Maldives Ridge: Site 716
 - carbon isotopes, 656b
 - during burial diagenesis, 656b
- Cementation, seafloor, Maldives Ridge: Site 716, periplatform sediments, 655b-656b
- Central Indian Ridge
- age, 733a
 - formation, hotspot activity and, 129a
 - ocean crust creation, 5a
 - seafloor spreading, volcanism and, 49b-50b
- Cerium
- Atlantic Ocean S, correlation, Pacific carbonates, 712b-713b
 - Indian Ocean, pH and, 712b
 - Indian Ocean W equatorial, 710b-713b
 - oxic conditions, 712b-713b
 - Nazareth Bank, oxic conditions, 712b-713b
 - Pacific Ocean, correlation, Atlantic Ocean S, 712b-713b
- Cesium, Nazareth Bank, effect of alteration on, 88b
- Chagos Bank
- basement rock, argon geochronology, 43b-50b
 - bathymetry, 6a
 - connection, Mascarene Plateau, 758a
 - formation, 43b
 - hotspot activity, 5a, 6a
- Chagos Bank: Site 712
- basement, 751a-756a
 - description and classification, 37a-38a
 - bathymetry, 12b, 46a, 127a, 767a
 - benthic foraminifers
 - deep- and bottom-water stratification, 336b-345b
 - Oligocene-Pliocene, 322b-336b
 - paleoclimatic events, 318b, 322b
 - paleoenvironmental indexes, 317b-318b - biostratigraphy, 9a, 26a-32a
 - calcareous nannofossils
 - Oligocene-Pleistocene, 175b-184b, 197b
 - Paleogene, 139b, 141b, 144b, 160b-161b

- carbonate, cerium anomalies, 709b-713b
core handling, 18a-20a
d i a t o m s
 biostratigraphy, 415b, 417b, 419b, 421b-425b
 Eocene-Oligocene, 433b-440b
 paleoceanography, 425b-430b
geochemistry, 35a-36a, 749a-751a
interstitial-water chemistry, 630b-634b
lithology, 9a
lithostratigraphy, Units I-III, 733a, 737a-740a
location, 630b, 734a, 738b
logging, 39a-40a
magnetic properties, 730b, 746a-748a
 susceptibility, 739b-768b
magnetostratigraphy, 32a-35a
mineralogy, 751a
navigation data, 43a, 45a, 73a, 86a-122a
physical properties, 38a-39a, 756a-758a
planktonic foraminifers
 Neogene, 795b-836b
 Paleogene, 291b
sediment classification, 22a-25a
sediment core description, 20a-22a
seismic stratigraphy, 758a-759a
 reflection profiling, 43a-45a, 74a-76a
stratigraphic summary, 735a
Chagos Bank: Site 713
 basalt
 alteration, 31b
 geochemical stratification, 63b-68b
 geochemistry, 31b
 iron-titanium oxides, 104b-105b
 isotope geochemistry, 53b-60b
 magma types, 20b
 magnetic properties, 103b, 104b, 105b
 mineral chemistry, 31b-32b
 mineralogy, 31b, 39b
 noble metal distribution, 71b-83b
 basement, 751a-756a
 description and classification, 37a-38a
 bathymetry, 46a, 64b, 111b, 127a, 767a
 benthic foraminifers
 deep- and bottom-water stratification, 336b-345b
 Neogene, 364b-366b
 Oligocene-Pliocene, 322b-336b
 paleoclimatic events, 318b, 322b
 paleoenvironmental indexes, 317b-318b
 biostratigraphy, 9a, 26a-32a, 740a-746a
 calcareous nannofossils
 Oligocene-Pleistocene, 175b-184b, 197b
 Paleogene, 140b, 141b, 144b, 162b-164b, 166b-167b
 carbonate, cerium anomalies, 709b-713b
 core handling, 18a-20a
 diatoms
 biostratigraphy, 417b, 419b, 421b-425b
 Eocene-Oligocene, 433b-440b
 paleoceanography, 425b-430b
 eruptive history, 18b
 geochemistry, 35a-36a, 749a-751a
 interstitial-water chemistry, 630b-634b
 lithology, 9a
 lithostratigraphy, 733a-734a
 Miocene-Eocene hiatus, 740a
 Units I-IV, 734a, 737a-740a
 location, 24b, 72b, 630b, 734a, 738b
 logging, 39a-40a
 magnetic properties, 730b, 746a-748a
 basement rock, 111b
 susceptibility, 739b-768b
 magnetostratigraphy, 32a-35a
 mineralogy, 42b, 751a
 comparison, Réunion Differentiated Series, 40b
 navigation data, 43a, 45a, 73a, 86a-122a
 paleogeographic reconstruction, 6b
 paleolatitudes, 115b, 116b, 928a
 physical properties, 38a-39a, 756a-758a
 planktonic foraminifers
 Neogene, 795b-836b
 Paleogene, 291b
 radiolarians
 biostratigraphy, 403b
 datum events and paleoceanography, 403b-405b
 sediment classification, 22a-25a
 sediment core description, 20a-22a
 seismic stratigraphy, 758a-759a
 reflection profiling, 43a-45a, 74a-76a
 stratigraphic summary, 735a
 subsidence history, 123b-126b
Chagos-Laccadive Ridge
 formation
 flood basalt volcanism in, 53b
 Réunion mantle plume and, 53b
Chagos-Maldives-Laccadive Ridge
 carbonate, bank and reef deposits, 4b
 formation, 917a
 hotspot activity, 3b
 intersection with Indian subcontinent, 918a-919a
 motion between hotspots, 4b
Chalk
 Chagos Bank: Site 713, magnetic properties, 746a
 Maldives Ridge: Site 716, 648b, 658b
Chalk, foraminifer-nannofossil, Chagos Bank: Site 713, 737a
Chalk, foraminiferal, Mascarene Plateau, seismic stratigraphy, 272a
Chalk, micritic, Chagos Bank: Site 713, 739a, 757a
Chalk, nannofossil
 Chagos Bank: Site 713, 739a
 physical properties, 757a
 Indian Ocean W equatorial: Site 708, acoustic impedance, 422a
 Indian Ocean W equatorial: Site 711, 662a
 Madingly Rise: Site 709, 459a, 461a, 465a
 physical properties, 482a
 shear strength and, 484a
 Madingly Rise: Site 710, 597a
 shear strength, 613a
 Maldives Ridge: Site 714, 851a
 Maldives Ridge: Site 715, 917a, 922a
 density, 936a
 Mascarene Plateau, 241a-242a
 depositional setting, 244a
 physical properties, 272a
 Nazareth Bank, 128a
 radiolarian-bearing, Mascarene Plateau, 242a
Chalk, volcanic-ash-rich, Chagos Bank: Site 713, magnetic susceptibility, 748a
Chert
 Chagos Bank: Site 713, seismic reflection profiling, 759a
 Indian Ocean W equatorial: Site 711, 664a
 opal-CT, 697b
 Madingly Rise: Site 709, 689b
 Mascarene Plateau, 242a, 698b
 Chloride, Nazareth Bank, 145a
Chlorinity
 Indian Ocean W equatorial: Site 708, 416a
 Madingly Rise: Site 709, 481a
 Maldives Ridge: Site 714, 857a-858a
 Maldives Ridge: Site 716, 1013a
Mascarene Plateau, 260a
Chromite
 Indian Ocean basalts, fractionation, 80b
 Nazareth Bank, 26b
Chromium, Nazareth Bank, basalt, 87b
Clay
 Indian Ocean W equatorial: Site 711
 carbonate content, 471b
 geochemistry, 702b
Clay, detrital
 Indian Ocean, 603b
 Nazareth Bank, aluminum content, 710b
Clay mineralogy, Indian Ocean W equatorial: Site 711, origin, 675a
Clay, nannofossil
 Indian Ocean W equatorial: Site 711, 662a
 carbonate content, 662a
 shear velocity, 680a
Clay, volcanic-glass-bearing, Indian Ocean W equatorial: Site 711, 662a
Claystone, Mascarene Plateau, carbonate content, 243a
Clinoptilolite
 formation, biogenic silica diagenesis and, 688b
 Indian Ocean equatorial, 643b
 Indian Ocean W equatorial: Site 711, 687b, 688b-689b
 Madingly Rise: Site 709, 687b, 688b-689b
 Mascarene Plateau, 687b, 688b-689b, 694b
 opal-CT and quartz formation, 688b
Clinopyroxene
 Chagos Bank: Site 713, 754a, 756a
 geochemistry, 34b
 Maldives Ridge: Site 715, geochemistry, 38b
 Mascarene Plateau, 756a
 geochemistry, 31b
 mineral chemistry, 30b
 Nazareth Bank, 28b, 754a, 756a
Cobalt, Indian Ocean, 710b
Columbia River, continental flood basalt volcanism, Yellowstone mantle plume and, 54b
Copper
 Indian Ocean W equatorial: Site 711, accumulation rate, 707b
 Maldives Ridge: Site 715, basalt, 81b
 mobility, zeolite facies metamorphism of basalts, 91b
Darwin-Genovesa Island, lineament origin, 7a
Darwin-Wolf Island, formation, asthenospheric flow, 44b
Deccan Trap basalts, paleolatitudes, 736a, 921a
Deccan Traps
 Ambenali Formation
 chemical variation, 60b
 continental lithospheric component, 60b
 lead isotope ratios, 55b
 Maldives Ridge: Site 715 and, 19b
 Mascarene Plateau and, 13b, 19b
 Nazareth Bank and, 13b
 basalt
 correlation, Mascarene Plateau, 236a
 flood basalt volcanism and, 45b
 formations, 19b
 geochemistry, 9b, 19b
 isotopic composition, Leg 115 basalts and, 60b
 lead isotope ratios, 55b
 mantle source, 60b
 mineralogy, 23b
 paleolatitude, 736a, 921a
 Central Indian Ridge and, 235a
 Cretaceous/Tertiary boundary events, 7a
 eruptive source, paleolatitude, 114b

SUBJECT INDEX

- flood basalt volcanism, Réunion mantle plume activity and, 54b
 formation, 918a
 geochemistry, 6a-7a
 hotspot activity, 3b, 6a
 lava
 continental contamination, 58b, 60b
 silica-alkali content, 25b
 Mahabaleshwar Formation
 chemical variation, 60b
 correlation, Maldives Ridge: Site 715, 19b
 stratigraphy, 6a-7a
 volcanism, 5a
 duration, 7b
 eruption rate, 7b
 flood basalt, 7b
 volume of province, 7b
- Deep-water circulation
 Indian Ocean, 14a
 Mascarene Plateau, 237a
See also Water circulation
- Density
 Chagos Bank: Site 712, 756a, 761a
 Chagos Bank: Site 713, 757a, 764a, 765a
 basement rock, 766a
 Indian Ocean W equatorial: Site 708, 424a, 425a
 acoustic impedance and, 419a, 420a
 carbonate content and, 417a
 Indian Ocean W equatorial: Site 711, 676a, 678a, 686a, 687a-688a, 690a
 sedimentation rate and, 511b-512b
 Madingly Rise: Site 709, 489a, 493a, 494a, 497a
 fluctuations in, 482a-483a
 impedance and, 484a
 sedimentation rate and, 511b-512b
 Madingly Rise: Site 710, 589a, 610a, 618a, 621a
 sedimentation rate and, 511b-512b
 velocity changes and, 612a
 Maldives Ridge: Site 714, 859a, 867a, 868a, 870a, 871a
 Maldives Ridge: Site 715, 936a, 937a, 939a
 bulk-density log, 941a
 Maldives Ridge: Site 716, 1015a, 1016a
 Mascarene Plateau, 268a-269a, 270a, 275a, 281a, 283a
 basement rocks, 271a
 Nazareth Bank, 157a, 158a
- Diagenesis
 burial
 Maldives Ridge: Site 716
 aragonite recrystallization and, 656b
 calcium carbonate cementation with, 656b
 carbonate, strontium concentrations and, 649b, 654b, 667b
 Chagos Bank: Site 713, magnetic susceptibility effects, 755b, 758b, 760b
 Indian Ocean W equatorial, magnetic susceptibility effects, 765b, 767b
 Indian Ocean W equatorial: Site 708, magnetic susceptibility effects, 755b, 758b, 760b
 Indian Ocean W equatorial: Site 711, magnetic susceptibility effects, 755b, 758b, 760b
 Madingly Rise, magnetic susceptibility effects, 755b, 758b, 760b
 Mascarene Plateau, magnetic susceptibility effects, 755b, 758b, 760b
 Nazareth Bank, magnetic susceptibility effects, 755b, 758b, 760b
- Dissolution
 Indian Ocean W equatorial: Site 708, turbidites vs. pelagic sediments, 623b, 625b
 Miocene dissolution event, Madingly Rise: Site 710, 477b
- opal, biogenic
 sedimentation rate and, 677b-678b
 structures, 685b, 687b
See also Carbonate dissolution
- Dolomite
 Indian Ocean W equatorial: Site 708, 416a
 Maldives Ridge: Site 716, 648b
 Mascarene Plateau, 243a
 Nazareth Bank, origin, 144a
 Dolostone, Mascarene Plateau, 243a
 Drake Passage, Oligocene/Miocene boundary, 483b
- East Pacific Rise
 basalt, iridium concentration, 82b
 outgassing methane, isotopic composition, 99b
 seamounts, basalt formation from, 146a
 Equatorial Current System, correlation, oxygen isotope values, 619b
 Etendeka, continental flood basalt volcanism, Tristan mantle plume and, 54b
 Ethane, Maldives Ridge: Site 716, 1016a
 Exuma Sound
 carbonate, modern shallow-water systems, 542b
 sedimentary sequence, 541b
- Faulting, Central Indian Ridge, 152a
- Feldspar
 Chagos Bank: Site 713, anorthite content, 31b
 Maldives Ridge: Site 715, geochemistry, 39b
- Flood basalt volcanism
 hotspot initiation, 7b
 initiation of, diapir model, 9b
 Flood basalt volcanism, continental (CFB)
 mantle plume activity and, 54b
 mantle source, 54b
- Galicia, limestone, paleoredox conditions, 709b
 Gassmann's Theory, Madingly Rise: Site 709, 775b-776b
- Geochemistry
 basalt
 Chagos Bank: Site 713, 31b, 37b-39b
 Maldives Ridge: Site 715, 39b-40b
 major and trace elements, 18b-19b
 Mascarene Plateau, 35b-36b
 major and trace elements, 18b
 Chagos Bank: Site 713, 26b
 Chagos Bank: Site 712, rare earth elements, 710b
 Chagos Bank: Site 713
 basalt, 104b
 enrichment factors, 18b
 incompatible-element ratios, 13b, 18b, 41b, 75b, 126b
 rare earth elements, 710b
 Indian Ocean, oxic conditions, 710b, 712b-713b
 Indian Ocean W, intersite variation, 19b-20b
 Indian Ocean W equatorial: Site 708, rare earth elements, 710b
 Indian Ocean W equatorial: Site 711, 686b
 Neogene sediments, 700b-706b
 oxides, 701b, 702b-703b, 705b
 rare earth elements, 710b
 Madingly Rise: Site 709, 685b
 carbonate fine fraction, 663b-666b
 noncarbonated fraction, 616b-617b
 rare earth elements, 710b
 Madingly Rise: Site 710, rare earth elements, 710b
 Maldives Ridge: Site 715, 26b
 basalt, 104b
 incompatible-element ratios, 13b, 19b, 73b, 75b, 126b
- lithologic correlation, 945a, 948a
 logging, 942a, 944a-945a
 trace elements, 96b-97b
 Maldives Ridge: Site 716, 650b-653b
 periplatform carbonate sediments, 647b-658b
 rare earth elements, 710b
 Mascarene Plateau, 26b
 basalt, 104b
 incompatible-element ratios, 13b, 18b, 41b, 73b, 75b, 126b
 rare earth elements, 710b
 trace elements, 96b-97b
 Nazareth Bank, 26b
 basalt, 11b-13b, 104b
 incompatible-element ratios, 41b, 73b, 126b
 rare earth elements, 710b
 periplatform sediments, Maldives Ridge: Site 716, 649b
- Geochemistry, inorganic
 Chagos Bank: Site 712, 749a-751a
 Chagos Bank: Site 713, 749a-751a
 Indian Ocean W equatorial: Site 708, 414a, 416a
 Madingly Rise: Site 709, 479a-481a
 Madingly Rise: Site 710, 609a
 Maldives Ridge: Site 714, 857a-858a
 Maldives Ridge: Site 715, 928a
 Maldives Ridge: Site 716, 1012a-1013a
 Mascarene Plateau, 259a-260a
 Nazareth Bank, 143a, 144a-145a
- Geochemistry, organic
 Chagos Bank: Site 712, 751a
 Chagos Bank: Site 713, 751a
 Madingly Rise: Site 709, 481a
 Madingly Rise: Site 710, 609a
 Maldives Ridge: Site 714, 858a-859a
 Maldives Ridge: Site 715, 928a
 Maldives Ridge: Site 716, 1013a
 Mascarene Plateau, 260a-261a
 Nazareth Bank, 143a-144a, 145a, 146a
- Glacial/interglacial cycles
 detection by magnetic susceptibility logging, 760b
 Indian Ocean W equatorial, 475b, 478b, 479b
 aragonite cycles and, 13a
 Indian Ocean W equatorial: Site 708, magnetic susceptibility and, 743b
 Pacific Ocean, carbonate, 540b
- Glass, basaltic, ocean crust alteration, 94b
- Glass, volcanic
 Chagos Bank: Site 713
 geochemistry, 38b
 major element chemistry, 25b
 mineral chemistry, 31b-32b
 Maldives Ridge: Site 715, major element chemistry, 25b
 Mascarene Plateau, 235a
 major element chemistry, 25b
 Nazareth Bank
 alteration, 91b
 major element chemistry, 25b
 mineral chemistry, 28b, 29b
- Glauconite, Mascarene Plateau, 242a, 243a
- Gold
 Chagos Bank: Site 713, 77b
 Maldives Ridge: Site 713, 77b
 Mascarene Plateau, 77b
 Nazareth Bank, 77b
- Gondwana, separation, bathymetric effects, 43b
- Grain size
 Mascarene Plateau, 235a, 244a
 Pacific, equatorial, carbonate accumulation and, 485b
- Grain-flow layer, Nazareth Bank, 131a
 Grainstone, Maldives Ridge: Site 715, 917a, 922a

- Grainstone, calcareous, Mascarene Plateau, 243a
- Hawaiian hotspot, paleolatitude, 8b
- Hawaiian-Emperor chain
basalt, geochemistry, 8b
formation, stationary mantle plumes and, 53b
paleolatitude, 8b
- Heat flow, Madingly Rise: Site 709, 489a-490a, 493a
- Himalayan Rise, sediment source, Indian Ocean sites, 713b, 767b
- Hornblende, Seychelles Dikes, 119b
- Hotspots
aseismic ridge distribution and
Atlantic Ocean, 736a
Indian Ocean, 130a, 736a
South Atlantic Ocean, 130a
Atlantic Ocean, motion between, 9b
Chagos Bank: Site 713, 12a
distance from spreading center, 9b
Chagos Bank: Site 715, 12a
fixed
Indian Ocean, 4b-5b
Réunion Island, 43b
in flood basalt volcanism, initiation model, 7b
in formation of Central Indian Ridge, 129a
geothermal gradient, distance from spreading axis and, 68b
Hawaii, paleolatitude, 8b
Indian Ocean, 5a-9a
motion between, 4b-5b, 9b
Indian Ocean W
mantle source, 919a
paleolatitude, 927a
to Tertiary, 5b-7b
tracking, 920a
Maldives Ridge, 7b
Maldives Ridge: Site 715, intraplate setting, 9b
Mascarene Plateau, 12a
distance from spreading ridge, 9b
Nazareth Bank, 12a
distance from spreading ridge, 9b
Réunion Island, 8a
mantle material, 8b
volcanic trail, 3b
traces
Indian Ocean, 3b
South Atlantic, African Plate motion over, 5b
- Hydrocarbon gases
Mascarene Plateau, 261a
Nazareth Bank, 144a
- Hydrogen sulfide, Maldives Ridge, 756b, 857a
- Hydrothermal activity, sea-level rise with, 667b
- Iceland
basalt, hotspot activity, 7b
mantle plume magma, geochemistry, 54b
- Iceland-Faeroe Ridge, formation, stationary mantle plumes and, 53b
- Ilmenite
Mascarene Plateau, 105b, 264a
Nazareth Bank, parallel growth, 105b
- Indian Ocean
bathymetry, 43b
changing monsoonal gyre, 468b, 485b
hotspots, 5a-9a
pH
cerium concentration and, 712b
interstitial waters, 631b, 634b
plate reconstruction, Cenozoic, 126a
plate tectonics, 5a-9a
Indian Ocean E, sedimentation pattern, 707b
Indian Ocean Intermediate Water, extent, 468b
Indian Ocean W
basin development, to Tertiary, 5b-7b
hotspot activity, Cretaceous/Tertiary boundary, 128a
- Indian Ocean W equatorial
age model, 469b-470b
Neogene, 505b
Paleogene, 506b-507b
Pliocene-Pleistocene, 505b
- carbonate
accumulation, 11a-13a
dissolution, 11a-13a
core handling, 11a
navigation data, 43a
paleoceanography, 9a, 11a-14a
physical properties, 38a-39a
stratigraphy, 14a
- Indian Ocean W equatorial: Site 708
basement, description and classification, 37a-38a
bathymetry, 12b, 46a, 127a, 402a, 404a, 430a, 622b
- benthic foraminifers
deep- and bottom-water stratification, 336b-345b
Oligocene-Pliocene, 322b-336b
paleoclimatic events, 318b, 322b
paleoenvironmental indexes, 317b-318b
biostratigraphy, 26a-32a, 406a
- calcareous nannofossils
bathymetric changes, 144b-145b
biomagnetostratigraphy, 248b
Oligocene-Miocene, 237b-250b
Oligocene-Pleistocene, 175b-184b, 189b
Paleogene, 135b, 141b, 144b
Quaternary, 131b
- carbonate
Cenozoic accumulation, 467b-507b
cerium anomalies, 709b-713b
- core handling, 18a-20a
- diatoms
biostratigraphy, 415b, 417b, 419b, 421b-425b
Eocene-Oligocene, 433b-440b
paleoceanography, 425b-430b
geochemistry, 35a-36a, 674a-675a
Neogene sediments, 699b-707b
interstitial-water chemistry, 630b-634b
lithology, 9a
lithostratigraphy, 678b
between-hole correlation, 663a
Units I-IV, 657a, 661a-664a
lithotypes, 683b
location, 468b, 630b, 657a, 659a, 678b, 679b, 738b
logging, 39a-40a
magnetic properties, 669a-474a, 728b-730b
susceptibility, 739b-768b
magnetostratigraphy, 32a-35a, 729b-730b
mineralogy, 675a
carbonate-free sediments, 678b, 685b
navigation data, 45a, 70a, 86a-122a
- Neogene sediments
accumulation rates, 705b, 706b-707b
pelagic composition, 703b, 704b, 707b
terrigenous component, 701b, 705b-706b
paleolatitude, 734b
physical properties, 38a-39a, 676a, 678a-480a
- planktonic foraminifers
Neogene, 795b-836b
Paleogene, 291b
- radiolarians
biostratigraphy, 400b, 402b-403b
datum events and paleoceanography, 403b-405b
sediment classification, 22a-25a
sediment core description, 20a-22a
sedimentary sequence, 469b-470b
seismic stratigraphy, 680a
Indian Ocean W equatorial: Site 711, 43a-45a
reflection profiling, 71a-72a
stratigraphic summary, 659a
- Indian Plate, movement from African Plate, 5b, 43b
- Indus Valley, sediment source, Site 711, 707b
- Insoluble residues
Madingly Rise: Site 709, 613b
geochemistry, 616b, 617b
oxygen isotopes and, 618b
Pleistocene cyclicity, 619b
Maldives Ridge: Site 716, 648b
- Intermediate water circulation, Indian Ocean, influx of Tethyan waters on, 483b
- Interstitial-water chemistry
Chagos Bank: Site 712, 630b-634b, 749a-751a

SUBJECT INDEX

- Chagos Bank: Site 713, 630b-634b, 749a-751a, 752a
 Indian Ocean W equatorial: Site 708, 418a, 630b-634b
 Indian Ocean W equatorial: Site 711, 630b-634b, 679a
 Madingly Rise: Site 709, 479a-481a, 484a, 485a, 630b-634b
 Madingly Rise: Site 710, 612a, 630b-634b
 Maldives Ridge: Site 714, 630b-634b, 857a, 860a, 862a
 Maldives Ridge: Site 715, 630b-634b, 929a, 930a
 Maldives Ridge: Site 716, 630b-634b, 1014a
 Mascarene Plateau, 259a-260a, 264a, 265a, 630b-634b
 Nazareth Bank, 143a-145a, 149a, 151a, 630b-634b
- Iridium
 Indian Ocean W equatorial, 77b
 komatiites, 82b
See also Palladium/iridium ratios
- Iron, Madingly Rise: Site 709, carbonate, 670b, 672b-673b
- Iron-titanium oxide
 Chagos Bank: Site 713
 basalt, 104b-105b
 basement rock, 756a
 Maldives Ridge: Site 715, basalt, 104b-105b
 Mascarene Plateau, basalt, 104b-105b
 Nazareth Bank, basalt, 104b-105b
- Iron/aluminum ratio, Indian Ocean W equatorial: Site 711, Neogene sediments, 701b
- Jan-Mayen ridge, calcium/magnesium gradient, 642b
- Kaolinite, Indian Ocean W equatorial: Site 711, 675a
- Karoo basalts, hotspot activity, 7b
- Kerguelen Island
 hotspot activity, 3b, 5a
 flood basalt volcanism and, 7b, 9b
 geometry, 8a-9a
 mantle plume, Rajmahal Traps and, 54b
- King's Trough Flank, magnetic susceptibility, lithology, paleoclimate and, 744b
- Komatiites, iridium content, 82b
- Laccadive Island, hotspot activity, 5a, 6a
- Lag deposits, submarine, Chagos Bank: Site 713, 739a
- Laminations
 Maldives Ridge: Site 714, benthic foraminifer morphology, 590b-591b
 pale-green
 Indian Ocean, early diagenesis and, 756b
 Madingly Rise: Site 709, 465a
 Maldives Ridge: Site 714, 851a
 magnetic properties, 857a
 Mascarene Plateau, 240a
- Lava, Réunion hotspot track, mineralogy, 23b
- Lead isotopes
 Chagos Bank: Site 713, 58b
 basalt, 55b, 57b
 Deccan lavas, Mascarene Plateau lavas and, 60b
 Maldives Ridge: Site 715, basalt, 55b, 56b, 57b, 58b
 Mascarene Plateau
 basalt, 55b, 56b, 57b, 58b
 Deccan lavas and, 60b
 Nazareth Bank, basalt, 55b, 57b, 58b
 Réunion mantle plume, eruption age and, 60b
 Lherzolite minerals, Nazareth Bank, 66b
- Limestone
 dolomitized, Mascarene Plateau, 94b
 Nazareth Bank, 131a
 origin, 128a
 Limestone, foraminiferal, Mascarene Plateau, 243a
 Limestone, shallow-water, in basement rock, Mascarene Plateau, 235a
 Limestone, shelly, Mascarene Plateau, 262a
 Limestone, silicified
 Mascarene Plateau, 242a
 seismic stratigraphy, 272a
 Limestone, slope, formation, 647b
 Lithium, Nazareth Bank, effect of alteration on, 88b
- Lord Howe Rise
 alkalinity, 642b
 calcium/magnesium gradient, 642b
 laminations, pale-green, 240a, 465a
- Louisville Ridge
 basalt, geochemistry, 8b
 formation, stationary mantle plumes and, 53b
- Lysocline
 climatic effects, 849a
 Indian Ocean
 Miocene, surface productivity and, 483b
 sublysocline zone thickening, 483b-484b
 Indian Ocean W equatorial, 468b
 Indian Ocean W equatorial: Site 711, Pliocene, 515b
 Madingly Rise, 484b
 Pliocene, 515b
 Maldives Ridge, glacial/interglacial cyclicity, 564b
- Lysocline, aragonite
 Maldives Ridge, shoaling, intermediate water masses, 564b
 Maldives Ridge: Site 716, 1005a-1006a
- Lysocline, foraminiferal
 Indian Ocean W equatorial: Site 708, 403a, 405a
 Indian Ocean W equatorial: Site 711, 659a
 Madingly Rise, 462a
 time-dependent variability, 593a
- Madagascar Island, hotspot activity, flood basalt volcanism and, 7b
- Madagascar Rise, hotspot activity, 7b
- Madingly Rise
 age model, 469b-470b
 Neogene, 505b-506b
 Paleogene, 506b-507b
 Pliocene-Pleistocene, 505b
 residual depth anomaly, 126b
 turbidites, 406a
- Madingly Rise: Site 709
 basement, description and classification, 37a-38a
 bathymetry, 12b, 46a, 127a, 460a, 463a, 502a, 680b
- benthic foraminifers
 cyclic variations, 611b
 deep- and bottom-water stratification, 336b-345b
 isotopic values, 519b-524b
 Miocene, 358b-360b
 Oligocene-Pliocene, 322b-336b
 paleoclimatic events, 318b, 322b
 paleoenvironmental indexes, 317b-318b
 Pliocene, 374b-376b
 biostratigraphy, 8a, 26a-32a, 467a-474a
 calcareous nannofossils
 bathymetric changes, 144b-145b
 biomagnetostratigraphy, 248b
 Oligocene-Miocene, 237b-250b
- Oligocene-Pleistocene, 175b-184b, 185b-186b
 Paleogene, 135b, 141b, 144b, 146b-147b, 148b-150b
 Quaternary, 131b
- carbonate
 Cenozoic accumulation, 467b-507b
 cerium anomalies, 709b-713b
 porosity and velocity with stress, 776b-777b
- core handling, 18a-20a
- diatoms
 biostratigraphy, 415b, 417b, 419b, 421b-425b
 Eocene-Oligocene, 433b-440b
 paleoceanography, 425b-430b
 geochemistry, 35a-36a, 479a-481a
Gephyrocapsa, morphometric changes, 225b-266b
 interstitial-water chemistry, 630b-634b
 lithology, 8a
 lithostratigraphy, 459a, 465a-466a, 678b
 depositional setting, 461a-462a
 lithotypes, 682b
 location, 468b, 630b, 678b, 679b, 738b
 logging, 39a-40a
 magnetic properties, 474a-478a, 723b
 susceptibility, 739b-768b
 magnetostratigraphy, 32a-35a, 725b-726b
 mineralogy, 481a
 carbonate-free sediments, 678b, 685b
 navigation data, 43a, 45a, 64a, 86a-122a
 oxygen isotope stratigraphy, 530b-535b
 physical properties, 38a-39a, 481a-489a, 491a-492a
 cyclicity, 487a
- planktonic foraminifers
 cyclic variations, 611b
 Neogene, 795b-836b
 Paleogene, 288b-289b, 294b-297b
- radiolarians
 biostratigraphy, 397b, 398b, 401b-402b
 datum events and paleoceanography, 403b-405b
 sediment classification, 22a-25a
 sediment core description, 20a-22a
 sedimentary sequence, 469b-470b
 seismic stratigraphy, 489a
 reflection profiling, 43a-45a, 65a-67a
 stable isotopes, carbonate fine fraction, 661b-674b
 stratigraphic summary, 461a
- Madingly Rise: Site 710
 basement, description and classification, 37a-38a
- bathymetry, 12b, 46a, 127a, 590a, 592a, 626a
- benthic foraminifers
 deep- and bottom-water stratification, 336b-345b
 Neogene, 362b-363b
 Oligocene-Pliocene, 322b-336b
 paleoclimatic events, 318b, 322b
 paleoenvironmental indexes, 317b-318b
 biostratigraphy, 26b-32a, 597a-602a
 calcareous nannofossils
 bathymetric changes, 144b-145b
 biomagnetostratigraphy, 248b
 Miocene, magnetostratigraphic correlation, 271b-275b
 Oligocene-Miocene, 237b-250b
 Oligocene-Pleistocene, 175b-184b, 186b, 188b-189b
 Paleogene, 138b, 141b, 144b, 152b-153b
 Quaternary, 131b
- carbonate
 Cenozoic accumulation, 467b-507b

- cerium anomalies, 709b-713b
 core handling, 18a-20a
 diatoms
 biostratigraphy, 415b, 417b, 419b, 421b-425b
 Eocene-Oligocene, 433b-440b
 paleoceanography, 425b-430b
 geochemistry, 35a-36a, 609a
 interstitial-water chemistry, 630b-634b
 lithostratigraphy, 593a-597a
 between-hole correlation, 594a
 color changes, 593a-594a
 Units I-III, 589a, 593a-597a
 location, 468b, 589a, 591a, 630b, 738b
 logging, 39a-40a
 magnetic properties, 602a-609a, 726b, 728b
 susceptibility, 739b-768b
 magnetostratigraphy, 32a-35a, 726b-728b
 biostratigraphic correlation, 271b-275b
 mineralogy, 609a
 navigation data, 43a, 45a, 68a, 86a-122a
 paleolatitudes, 734b, 735b
 physical properties, 38a-39a, 609a-413a, 619a
 planktonic foraminifers
 Neogene, 795b-836b
 Paleogene, 289b, 291b, 298b-299b
 radiolarians
 biostratigraphy, 399b, 402b
 datum events and paleoceanography, 403b-405b
 sediment classification, 22a-25a
 sediment core description, 20a-22a
 seismic stratigraphy, 613a
 reflection profiling, 43a-45a, 69a
 stratigraphic summary, 590a
 Mafic rocks, Nazareth Bank, alteration, geochemical effects, 85b-91b
 Magma
 Chagos Bank: Site 713
 genetic relations, Site 706, 707, and 715 magmas, 77b
 sources, 41b
 generation conditions
 Mascarene Plateau, 67b
 Nazareth Bank, 67b-68b
 Maldives Ridge: Site 715
 genetic relations, Site 706, 707, and 713 magmas, 77b
 geochemistry, primary, 68b
 order of crystallization, 40b-41b
 sources, 41b
 Mascarene Plateau
 genetic relations, Site 706, 713, and 715 magmas, 77b
 order of crystallization, 40b-41b
 sources, 41b
 Nazareth Bank
 genetic relations, Site 707, 713, and 715 magmas, 77b
 order of crystallization, 40b-41b
 sources, 41b
 primary
 geochemistry, 68b
 segregation from mantle diapirs, 68b
 Réunion Island, order of crystallization, 34b-35b
 Magnesium
 Chagos Bank, 642b-643b, 713a, 749a-750a
 in interstitial waters, 630b, 631b
 Indian Ocean W equatorial: Site 708, 414a, 416a, 642b-643b
 in interstitial waters, 630b, 631b
 Indian Ocean W equatorial: Site 711, 642b-643b, 674a, 680a
 in interstitial waters, 630b, 631b
 Madingly Rise: Site 709, 479a-480a, 486a, 642b-643b
 carbonate sediments, 669b, 671b
 in interstitial waters, 630b, 631b
 Madingly Rise: Site 710, 609a, 613a, 642b-643b
 in interstitial waters, 630b, 631b
 Maldives Ridge, 642b-643b, 857a, 863a, 930a, 1012a-1013a, 1015a
 burial diagenesis, 656b-657b
 in interstitial waters, 630b, 631b
 Maldives Ridge: Site 716
 in calcium carbonate, 656b
 periplatform sediments, 654b
 Mascarene Plateau, 259a-260a, 265a, 642b-643b
 in interstitial waters, 630b, 631b
 Nazareth Bank, 12b, 144a, 642b-643b
 in interstitial waters, 630b, 631b
 sea-surface temperature and, 671b
See also Calcium/magnesium gradient
 Magnesium oxide
 Chagos Bank: Site 713, 14b-16b
 Maldives Ridge: Site 715, 14b-16b, 19b
 basalt, 73b
 Mascarene Plateau, 14b-16b
 Nazareth Bank, 14b-16b
 basalt, 73b, 87b
 Magnesium-augite
 Maldives Ridge: Site 713, pyroxene magnesium number, 36b
 Maldives Ridge: Site 715, magnesium number, 39b
 Mascarene Plateau, pyroxene magnesium number, 32b
 Nazareth Bank, pyroxene magnesium number, 30b
 Magnetic properties
 Chagos Bank: Site 712, 730b, 746a-748a
 demagnetization effects, 746a
 pipe-rust contamination, 753b, 755b
 susceptibility, 747a-748a
 Zijderveld projections, 747a
 Chagos Bank: Site 713, 730b, 746a-748a
 basalt, 103b, 104b, 105b-106b
 basement, 111b-112b, 113b-114b, 114b-115b
 effect of early diagenesis on, 755b, 758b, 760b, 767b
 susceptibility, 747a-748a, 749a
 tectonic effects on, 115b-116b
 Zijderveld projections, 747a, 748a
 Indian Ocean
 coring and drilling disturbances, 750b-755b
 hotspot predictions, 735b
 Indian Ocean W equatorial, susceptibility, 484b
 Indian Ocean W equatorial: Site 708, 719b, 723b
 carbonate content and, 741b-743b
 comparison, Site 709, 476b
 demagnetization, 724b
 effect of early diagenesis on, 755b, 758b, 760b, 765b, 767b
 lithostratigraphic correlation, 413a-414a
 paleomagnetic directions, 724b
 susceptibility, 413a-414a, 415a, 671a, 739b-740b, 741b, 757b
 Indian Ocean W equatorial: Site 711, 669a-674a, 719b, 728b-730b
 analytical methods, 717b-721b
 between-hole correlation, 671a, 674a
 biogenic dissolution and, 671a
 carbonate content and, 740b-741b, 741b-743b
 climatic changes and, 760b-763b
 correlation, Milankovitch response, 761b
 correlation, Sites 708, 709, and 710, 674a
 cyclicity, 671a, 674a
 demagnetization, 731b
 effect of early diagenesis on, 755b, 758b, 760b, 765b, 767b
 inclination, 733b
 lithostratigraphic correlation, 671a, 675a, 676a, 677a, 750b, 757b, 763b-764b
 orbital forcing and, 760b-763b, 767b, 768b
 reversal boundaries, 733b
 susceptibility, 670a-671a, 751b, 752b, 766b
 tephrostratigraphic correlation, 747b-748b
 King's Trough Flank, susceptibility, 744b
 Madingly Rise: Site 709, 474a-478a, 482a, 719b, 723b-726b
 analytical methods, 717b-721b
 anomalies, 477a, 478a, 641b
 between-hole correlation, 477a-478a, 479a
 carbonate content and, 477a, 741b-743b, 758b, 760b, 765b
 declination, 725b-726b
 effect of early diagenesis on, 755b, 758b, 760b, 765b, 767b
 iron oxidation effects, 477a
 lithologic correlation, 477a-478a
 lithostratigraphic correlation, 757b, 758b, 764b
 pipe-rust contamination, 475a
 Pliocene/Pleistocene boundary, 758b
 remagnetization effect, 475a-476a, 478a
 reversal boundaries, 724b
 sequence repetition, 751b
 susceptibility, 461a, 476a-478a, 480a, 481a, 671a
 tephrostratigraphic correlation, 745b-747b
 Madingly Rise: Site 710, 719b, 721b
 analytical methods, 717b-721b
 between-hole correlation, 607a
 carbonate content and, 741b
 declination shifts, 602a
 demagnetization, 729b, 730b
 effect of early diagenesis on, 755b, 758b, 760b, 765b, 767b
 inclination, 730b
 lithostratigraphic correlation, 603a, 606a, 757b, 759b
 normal polarity subchrons, 726b
 reversal boundaries, 728b
 sequence repetition, 751b-753b, 764b
 susceptibility, 589a, 603a, 605a-607a, 671a, 761b
 volcanic ash layer, 741b
 Maldives Ridge: Site 713, effect of early diagenesis on, 765b
 Maldives Ridge: Site 714, 731b, 856a-857a
 effect of early diagenesis on, 755b, 758b, 760b, 765b, 767b
 lithostratigraphic correlation, 745b
 susceptibility, 857a, 858a
 Maldives Ridge: Site 715, 731b, 918a, 925a-928a
 basalt, 103b, 104b, 105b-106b
 basement, 111b-112b, 114b-115b
 inclination, petrologic units, 114b
 effect of early diagenesis on, 755b, 758b, 760b, 765b, 767b
 reversed polarity, 927a
 susceptibility, 934a-935a
 tectonic effects on, 115b-116b
 Zijderveld projections, 926a
 Maldives Ridge: Site 716, 733b-734b, 1011a-1012a
 effect of early diagenesis on, 755b, 758b, 760b, 765b, 767b
 inclination, 734b
 pipe-rust contamination, 753b, 755b, 1012a

SUBJECT INDEX

- susceptibility, 1012a
- Mascarene Plateau, 252a–259a, 719b, 723b
basalt, 103b, 104b, 105b–106b
basement, 111b–112b, 113b, 114b–115b, 116b, 264a
demagnetization samples, 253a, 255a
effect of early diagenesis on, 755b, 758b, 760b, 765b, 767b
pipe-rust contamination, 253a, 255a–256a, 257a–259a, 753b, 755b, 762b, 763b, 764b–765b, 767b–768b
primary component of magnetization, 255a
susceptibility, 253a–259a, 271a, 272a
tectonic effects on, 115b–116b
Zijderveld projections, 254a
- Nazareth Bank, 721b–723b
analytical methods, 717b–721b
basalt, 103b, 104b, 105b–106b
basement, 111b–112b, 113b, 114b–115b
bedding tilt effects, 722b
between-hole correlation, 139a–140a, 140a–141a, 144a, 145a
demagnetization, 722b
demagnetization samples, 137a
effect of early diagenesis on, 755b–756b, 758b, 760b, 765b, 767b
inclination, 723b
lithostratigraphic correlation, 139a–140a, 141a–142a, 146a, 147a
magnetic overprint, 137a
magnetizable material, 140a
pipe-rust contamination, 139a, 753b, 755b
primary component of magnetization, 139a, 140a
primary magnetization directions, 722b
reverse polarity, 138a
susceptibility, 138a–142a, 143a, 144a, 145a
tectonic effects on, 115b–116b
tephrostratigraphic correlation, 747b–749b, 754b, 755b, 768b
volcanic ash layer, 748b
Zijderveld projection, 139a, 140a
- remagnetization effect, Madingly Rise: Site 710, 726b
- Seychelles Dikes, plate rotation poles, 120b, 122b
- susceptibility
definition, 737b
magnetizable constituents, 767b
oxygen isotopes, 760b
- Magnetite
Mascarene Plateau, 264a
Nazareth Bank, 140a
Seychelles Dikes, 120b
- Magnetite, titaniferous
Indian Ocean W equatorial, grain size and texture, magnetic properties and, 105b–106b, 107b
- Maldives Ridge: Site 715, oxidation, 105b
- Magnetostratigraphy
Indian Ocean W, biochronologic correlations, 14a
Indian Ocean W equatorial: Site 711, 719b, 729b–730b, 732b
biostratigraphic correlation, 729b–730b
chronozones, biostratigraphic correlation, 670a
Miocene/Pliocene boundary, 729b
Pliocene/Pleistocene boundary, 729b
reversal boundaries, 670a, 678a
stratigraphic hiatuses, 671a
- Madingly Rise: Site 709, 725b–726b
biostratigraphic correlation, 724b, 726b
Oligocene/Miocene boundary, 725b, 726b
Pliocene-Pleistocene, 725b
- Madingly Rise: Site 710, 589a, 726b–728b
biostratigraphic correlation, 728b
magnetozone boundaries, 726b
Olduvai Subchron, 603a
reversal boundaries, 602a, 603a
- Nazareth Bank, 128a
basalt crystallization ages and, 50b
biostratigraphic correlation, 148a, 724b
Oligocene-Pleistocene unconformity, 748b–749b
remagnetization effect, 32a, 718b–719b
Rodrigues Ridge, anomalies, 7a
- Mahé Island, location, 119b
- Maldivé Islands
aragonite cycles, 540b
hotspot activity, 5a, 6a
periplatform oozes, 849a
- Maldives Ridge
basement rock, argon geochronology, 43b–50b
bathymetry, 6a
- Maldives Ridge: Site 714
age model, Neogene, 507b
basement, description and classification, 37a–38a
bathymetry, 12b, 46a, 127a, 848a, 875a
benthic foraminifers
deep- and bottom-water stratification, 336b–345b
Neogene, 352b–356b
Oligocene-Pliocene, 322b–336b
paleoclimatic events, 318b, 322b
paleoenvironmental indexes, 317b–318b
productivity, oxygen minima and, 589b–604b
shallow-water, 386b–387b
biostratigraphy, 9a, 26a–32a, 852a–856a
calcareous nannofossils
biomagnetostratigraphy, 248b
Oligocene-Miocene, 237b–250b
Oligocene-Pleistocene, 175b–184b, 199b, 201b, 203b–204b, 206b
Paleogene, 140b, 141b, 144b
- carbonate
Cenozoic accumulation, 467b–507b
cerium anomalies, 709b–713b
chronology, 547b
core handling, 18a–20a
- diatoms
biostratigraphy, 417b, 419b, 421b–425b
Eocene-Oligocene, 433b–440b
paleoceanography, 425b–430b
geochemistry, 35a–36a, 857a–859a
interstitial-water chemistry, 630b–634b
lithology, 9a
lithostratigraphy, 849a–852a
Miocene-Pleistocene hiatus, 469b, 847a, 849a–850a
Units I–II, 847a, 850a–851a
location, 468b–469b, 630b, 738b, 847a
logging, 39a–40a
magnetic properties, 731b, 856a–857a
susceptibility, 739b–768b
magnetostratigraphy, 32a–35a
mineralogy, 858a
navigation data, 43a, 45a, 77a, 86a–122a
physical properties, 38a–39a, 859a–860a
planktonic foraminifers
Neogene, 795b–836b
Paleogene, 291b–292b, 304b–307b
- radiolarians
biostratigraphy, 403b
datum events and paleoceanography, 403b–405b
sediment classification, 22a–25a
sediment core description, 20a–22a
- sedimentary sequence, 541b
seismic stratigraphy, 860a
reflection profiling, 43a–45a, 78a–82a
stratigraphic summary, 849a
- Maldives Ridge: Site 715
basalt
alteration, 33b
correlation, Maldives Ridge: Site 715, 19b
geochemical stratification, 63b–68b
geochemistry, 33b
iron-titanium oxides, 104b–105b
isotope geochemistry, 53b–60b
magma types, 20b
magnetic properties, 103b, 104b, 105b
mineral chemistry, 33b
mineralogy, 33b, 39b
noble metal distribution, 71b–83b
ocean crest alteration, 93b–100b
basement, 928a, 930a–936a
description and classification, 37a–38a
bathymetry, 12b, 46a, 64b, 111b, 127a, 917a, 943a
benthic foraminifers
deep- and bottom-water stratification, 336b–345b
Oligocene-Pliocene, 322b–336b
paleoclimatic events, 318b, 322b
paleoenvironmental indexes, 317b–318b
shallow-water, 381b–386b
- biostratigraphy, 9a, 26a–32a, 922a–925a
calcareous nannofossils
biomagnetostratigraphy, 248b
Oligocene-Miocene, 237b–250b
Oligocene-Pleistocene, 175b–184b, 201b–204b, 206b
Paleogene, 140b–141b, 144b
carbonate, cerium anomalies, 709b–713b
core handling, 18a–20a
diatoms
biostratigraphy, 417b, 419b, 421b–425b
Eocene-Oligocene, 433b–440b
paleoceanography, 425b–430b
geochemistry, 35a–36a, 928a
major and trace elements, 18b–19b
geologic column, 918a
hotspot activity, 7b
interstitial-water chemistry, 630b–634b
lithology, 9a
lithostratigraphy, 917a–918a
basaltic units, 94b
Miocene-Pleistocene hiatus, 922a, 928a
stratigraphic hiatus, 917a
Units I–III, 921a–922a
location, 24b, 72b, 93b, 630b, 738b, 917a, 920a
logging, 39a–40a, 938a–945a
geochemical, 942a, 944a–945a
lithologic correlation, 945a, 948a
photoelectric effect, 941a
reef carbonates, 940a, 944a
resistivity, 939a–941a
magnetic properties, 731b, 925a–928a
basement rock, 111b
susceptibility, 739b–768b
magnetostratigraphy, 32a–35a
mineralogy, 42b
navigation data, 43a, 45a, 77a, 86a–122a
paleogeographic reconstruction, 6b
paleolatitude, 7b–8b, 115b, 116b
physical properties, 38a–39a, 936a–937a
basement rock, 937a
planktonic foraminifers, Neogene, 795b–836b
sediment classification, 22a–25a
sediment core description, 20a–22a

- seismic stratigraphy, 937a–938a
 reflection profiling, 43a–45a, 78a–82a
 subsidence history, 123b–126b
 summary log, 947a–948a
- Maldives Ridge: Site 716**
 basement, description and classification, 37a–38a
 bathymetry, 12b, 46a, 127a, 1006a, 1017a
 benthic foraminifers
 deep- and bottom-water stratification, 336b–345b
 Oligocene-Pliocene, 322b–336b
 paleoclimatic events, 318b, 322b
 paleoenvironmental indexes, 317b–318b
 biostratigraphy, 9a, 26a–32a, 1008a–1011a
 calcareous nannofossils
 biomagnetostratigraphy, 248b
 Oligocene-Pleistocene, 175b–184b, 206b
 Paleogene, 141b, 144b
 Quaternary, 131b–132b
 carbonate, cerium anomalies, 709b–713b
 chronology
 oxygen isotope stage boundaries, 549b
 Pleistocene, 547b, 549b–550b
 Pliocene-Pleistocene, 550b–551b
 depositional environment, 580b
 diatoms
 biostratigraphy, 417b, 419b, 421b–425b
 paleoceanography, 425b–430b
 geochemistry, 35a–36a, 1012a–1013a
 periplatform carbonate sediments, 647b–658b
 interstitial-water chemistry, 630b–634b
 lithology, 9a
 lithostratigraphy, 647b, 1005a, 1008a
 location, 579b, 630b, 647b, 648b, 738b, 1005a
 logging, 39a–40a
 magnetic properties, 733b–734b, 1011a–1012a
 susceptibility, 739b–768b
 magnetostratigraphy, 32a–35a
 mineralogy, 1013a
 navigation data, 43a, 45a, 83a, 86a–122a
 physical properties, 38a–39a, 1013a–1016a
 planktonic foraminifers
 Neogene, 795b–836b
 Quaternary, 579b–588b
 pteropod preservation, Quaternary, 579b–588b
 sediment classification, 22a–25a
 sediment core description, 20a–22a
 sedimentary sequence, 541b
 seismic stratigraphy, 1016a
 reflection profiling, 43a–45a, 83a
 stratigraphic summary, 1006a
- Maldives-Laccadive Ridge, formation, 43b**
- Maldives-Laccadive-Chagos-Mascarene Ridge, paleolatitude, 927a**
- Manganese, Madingly Rise: Site 709, carbonate sediments, 671b, 672b–673b**
- Manganese/aluminum ratio, Indian Ocean W equatorial: Site 711, Neogene sediments, 701b**
- Mantle plume**
 Chagos-Laccadive Ridge, isotopic composition, 55b
 Deccan Traps, isotopic composition, 55b
 initiation of, 3b
 diapir model, 9b
 life cycle and behavior, 9b
 magma composition, environmental factors, 53b–54b
 Mascarene Plateau, isotopic composition, 55b
 Mauritius Island, isotopic composition, 55b
 origin, 57b
 Réunion Island
 asthenospheric entrapment, eruptive activity and, 59b–60b
 Deccan flood basalt volcanism and, 54b
 distance from Carlsberg spreading center, 58b
 formation of Mascarene Plateau and, 53b
 geochemistry, 54b, 59b
 isotopic composition, 55b
 magma composition, 55b–60b
 magma production, 56b–57b
 source, 60b
 stationary, volcanic formation and, 53b
- Marion Island**
 hotspot activity, 7b
 flood basalt volcanism and, 7b
- Marion-Madagascar Rise, hotspot activity, 5b**
- Mascarene Islands**
 bathymetry, 11a
 formation, 43b–44b
 hotspot activity, 3b, 5a, 7a–9a
 location, 7a
- Mascarene Plateau**
 age model, 469b
 Neogene, 505b
 Paleogene, 506b–507b
- basalt**
 alteration, 30b
 geochemical stratification, 63b–68b
 geochemistry, 13b, 18b, 30b, 35b–36b
 iron-titanium oxides, 104b–105b
 isotope geochemistry, 53b–60b
 magma types, 20b
 magnetic properties, 103b, 104b, 105b
 mineral chemistry, 30b
 mineralogy, 30b, 39b
 noble metal distribution, 71b–83b
 ocean crust alteration, 93b–100b
- basement**
 argon geochronology, 43b–50b
 description and classification, 37a–38a
- bathymetry, 6a, 10a, 12b, 46a, 64b, 111b, 127a, 234a, 238a, 283a, 680b**
- benthic foraminifers**
 deep- and bottom-water stratification, 336b–345b
 Oligocene-Pliocene, 322b–336b
 paleoclimatic events, 318b, 322b
 paleoenvironmental indexes, 317b–318b
 Pleistocene, 370b–372b
- biostratigraphy, 8a, 26a–32a, 244a–252a**
- calcareous nannofossils**
 bathymetric changes, 144b–145b
 biomagnetostratigraphy, 248b
 Oligocene-Miocene, 237b–250b
 Oligocene-Pleistocene, 175b–184b, 185b
 Paleogene, 132b, 134b, 136b–137b, 138b–140b, 141b, 142b–143b, 144b
 Quaternary, 131b
- carbonate**
 bank and reef deposits, 4b
 Cenozoic accumulation, 467b–507b
 cerium anomalies, 709b–713b
 core handling, 18a–20a
- diatoms**
 biostratigraphy, 413b–415b, 417b, 419b, 421b–425b
 Eocene-Oligocene, 433b–440b
 paleoceanography, 425b–430b
 eruptive history, 18b
 formation, 43b
 flood basalt volcanism in, 53b
 Réunion mantle plume and, 53b
 geochemistry, 35a–36a, 259a–260a
 geologic column, 235a
 geologic evolution, 5a
 hotspot activity, 3b
 interstitial-water chemistry, 630b–634b
- lithology, 8a**
- lithostratigraphy, 235a**
 basaltic units, 94b
 condensed sequences, 236a
 depositional setting, 244a
 Units I–IV, 678b
 Units I–V, 240a–244a
- lithotypes, 681b**
- location, 24b, 72b, 93b, 233a, 234a, 468b, 630b, 678b, 679b, 738b**
- logging, 39a–40a**
 geochemical, 274a
 lithoporosity, 274a
 resistivity, 274a–275a, 287a
- magnetic properties, 252a–259a, 723b**
 basement rock, 111b
 susceptibility, 739b–768b
- magnetostratigraphy, 32a–35a**
- mineralogy, 42b, 95b, 260a**
 carbonate-free sediments, 678b, 685b
 comparison, Réunion Differentiated Series, 40b
- morphology, 45b**
 navigation data, 43a, 45a, 53a, 86a–122a
 origin, 126a
 paleogeographic reconstruction, 6b
 paleolatitude, 7b–8b, 115b, 116b, 928a
 physical properties, 38a–39a, 265a–266a, 273a–275a
 basement rocks, 271a–272a
 sediments, 268a–271a
- planktonic foraminifers**
 Neogene, 795b–836b
 Paleogene, 280b, 283b–288b
- radiolarians**
 biostratigraphy, 396b, 401b
 datum events and paleoceanography, 403b–405b
- sediment classification, 22a–25a**
- sediment core description, 20a–22a**
- sedimentary sequence, 469b–470b**
- sedimentation rate, 258a**
- seismic stratigraphy, 272a**
 reflection profiling, 43a–45a, 54a–59a, 284a–285a
- site surveys, 781b–793b**
- sponge spicules, 692b**
- stratigraphy, 6a**
 subsidence history, 123b–126b
 summary log, 286a
- Mascarene-Chagos-Laccadive volcanic lineament, formation, 128a–129a**
- Mascarene-Chagos-Maldives-Laccadive volcanic lineament, Indian subcontinent activity and, 735a**
- Mass accumulation rate (MAR)**
 Indian Ocean W equatorial, 467b–468b, 471b
 Indian Ocean W equatorial: Site 708, 403a, 476b, 492b–194b
 carbonate compensation depth and, 474b–475b
 Indian Ocean W equatorial: Site 711, 479b, 500b–502b, 657a, 659a
 Eocene-Oligocene, 477b–478b
 Pliocene, 479–480
 Madingly Rise: Site 709, 461a–462a, 477b, 494b–497b
 Oligocene/Miocene boundary, 475b
 Madingly Rise: Site 710, 478b, 497b–500b, 591a
- Maldives Ridge: Site 714, 480b, 502b–504b, 848a, 850a**
- Mascarene Plateau, 236a, 475b, 490b–492b**
 Oligocene/Miocene boundary, 472b
- Mass accumulation rate (MAR), carbonate**

SUBJECT INDEX

- Caribbean, Miocene, 485b
 Chagos Bank: Site 713, subsidence history and, 126b
 Indian Ocean W equatorial
 Eocene/Oligocene boundary, 481b
 Miocene, 482b-484b, 485b
 Paleogene, 481b-482b
 Indian Ocean W equatorial: Site 708, 476b, 492b-494b
 Indian Ocean W equatorial: Site 711, 479b, 500b-502b
 Eocene-Oligocene, 477b-478b
 Miocene, 484b
 Pliocene, 479b-480b
 Madingly Rise: Site 709, 477b, 494b-497b
 Miocene, 484b
 Oligocene/Miocene boundary, 475b
 Madingly Rise: Site 710, 478b, 497b-500b
 Miocene, 484b
 Maldives Ridge: Site 714, 480b, 502b-504b
 Maldives Ridge: Site 715, subsidence history and, 126b
 Mascarene Plateau, 475b, 490b-492b
 dissolution effects, 473b
 Miocene, 484b
 subsidence history and, 126b
 Nazareth Bank, subsidence history and, 126b
 Pacific, equatorial, Miocene, 485b
 Mass accumulation rate (MAR), noncarbonated
 Indian Ocean W equatorial: Site 708, 476b, 492b-494b
 Indian Ocean W equatorial: Site 711, 478b, 479b, 500b-502b
 Oligocene/Miocene boundary, 479b
 Pliocene, 479b-480b
 Madingly Rise: Site 709, 477b, 494b-497b
 Pliocene, 512b
 Madingly Rise: Site 710, 478b, 497b-500b
 Neogene, 477b
 Pliocene, 512b
 Maldives Ridge: Site 714, 480b, 502b-504b
 Mascarene Plateau, 475b, 490b-492b
 Mauritius Island
 eruptive history, 4b, 44b
 geologic evolution, 7a
 hotspot activity, 5a, 919a
 Mediterranean Outflow Water, Bay of Biscay, 598b
 Metals. *See* Noble metals
 Metasomatism
 Indian ocean, noble metal concentrations with, 82b
 Nazareth Bank
 geochemical effects, 85b
 rare earth element alteration, 91b
 Methane
 Maldives Ridge: Site 714, 859a, 866a
 Maldives Ridge: Site 716, 1015a, 1016a
 Mascarene Plateau, basalts, 99b
 Methane, outgassing, Mascarene Plateau, isotopic composition, 98b-99b
 Methane/ethane ratio, Maldives Ridge: Site 716, 1016a
 Microfaults
 Chagos Bank: Site 713, 740a, 741a
 Madingly Rise: Site 710, 596a
 Microphenocrysts, Nazareth Bank, mineral chemistry, 29b
 Mid-Ocean Ridge basalts (MORB)
 Chagos Bank: Site 713
 distance from spreading ridge, 115b
 geochemistry, 19b, 73b
 isotopic composition, 58b
 Indian Ocean
 fractionation, 81b
 lead isotopes, 55b
 noble metals in, 81b
 strontium isotopes, 55b
 magnesian, Mascarene Plateau, 67b
 Maldives Ridge: Site 715, isotopic composition, 58b
 Mascarene Plateau
 geochemistry, 18b, 19b, 73b
 isotopic composition, 58b
 Nazareth Bank
 distance from spreading ridge, 115b
 geochemistry, 12b, 19b
 isotopic composition, 58b
 source, 63b
 Monsoon
 Indian Ocean
 effect on *Globorotalia menardii* abundances, 618b
 oceanographic effects, 468b, 485b
 oxidation-reduction effects, 767b
 Indian Ocean W, biological productivity and, 707b
 Nazareth Bank
 basalt
 geochemical stratification, 63b-68b
 geochemistry, 25b-26b
 major and trace element, 11b-13b
 iron-titanium oxides, 104b-105b
 isotope geochemistry, 53b-60b
 magma types, 20b
 magnetic properties, 103b, 104b, 105b
 mineralogy, 39b
 noble metal distribution, 71b-83b
 basement, description and classification, 37a-38a
 bathymetry, 12b, 46a, 64b, 111b, 127a, 128a
 benthic foraminifers
 deep- and bottom-water stratification, 336b-345b
 Oligocene-Pliocene, 322b-336b
 paleoclimatic events, 318b, 322b
 paleoenvironmental indexes, 317b-318b
 biostratigraphy, 8a, 26a-32a, 132a-137a
 calcareous nannofossils
 Oligocene-Pleistocene, 175b-184b, 185b
 Paleogene, 132b, 134b-135b, 141b, 144b
 carbonate, cerium anomalies, 709b-713b
 core handling, 18a-20a
 diatoms
 biostratigraphy, 413b, 417b, 419b, 421b-425b
 Eocene-Oligocene, 433b-440b
 paleoceanography, 425b-430b
 eruption history, submarine conditions, 11b
 geochemistry, 35a-36a, 143a-146a
 hotspot activity, 7b
 interstitial-water chemistry, 143a-145a, 630b-634b
 lithology, 8a
 lithostratigraphy, 126a, 130a-132a
 Oligocene-Pleistocene unconformity, 126a, 128a, 132a, 748b-749b
 Units I-II, 130a-131a
 location, 24b, 72b, 86b, 129a, 630b, 738b
 logging, 39a-40a
 mafic rocks, alteration, geochemical effects, 85b-91b
 magnetic properties, 137a-142a, 721b-723b
 basement rock, 111b
 susceptibility, 138a-142a, 739b-768b
 magnetostratigraphy, 32a-35a
 mineralogy, 42b, 145a-146a, 150a
 comparison, Réunion Differentiated Series, 40b
 morphology, 45b
 navigation data, 43a, 45a, 48a, 51a, 86a-122a
 paleogeographic reconstruction, 6b
 paleolatitude, 7b-8b, 113b, 115b, 116b, 734b, 735b, 928a
 physical properties, 38a-39a, 149a-151a, 160a
 basement rock, 150a
 planktonic foraminifers
 Neogene, 795b-836b
 Paleogene, 279b-280b, 281b-282b
 radiolarians
 biostratigraphy, 396b
 datum events and paleoceanography, 403b-405b
 sediment classification, 22a-25a
 sediment core description, 20a-22a
 sedimentary sequence, 126a
 sedimentation rate, 143a
 seismic stratigraphy, 151a-152a
 reflection profiling, 43a-45a, 48a-50a, 52a, 163a, 164a
 subsidence history, 123b-126b
 underlying volcanic ridge, 5a
 Neodymium isotopes
 basalt, Indian Ocean W equatorial, 56b
 Réunion mantle plume, eruption age and, 59b
 Nicaragua Rise
 aragonite, oxygen isotopes and, Pliocene-Pleistocene, 558b
 aragonite cycles, 540b
 Ninetyeast Ridge
 carbonate preservation, glacial/interglacial cycles, 560b
 formation, stationary mantle plumes and, 53b
 hotspot activity, 3b, 5a, 7b, 128a, 919a
 Indian Plate movement and, 43b
 motion between hotspots, 5b
 volcanism, age-progressive, 735a
 Niobium/yttrium ratio, Deccan-Réunion lineament, 20b
 Noble metals
 Chagos Bank: Site 713, 76b
 abundance, 73b, 78b, 79b, 80b
 concentration, 77b
 during fractionation, 77b, 80b-82b
 mantle processes and, 81b-82b
 Indian Ocean
 mantle concentration, 82b
 mantle metasomatism and, 82b
 MORB vs. OIB basalts, 82b
 Indian Ocean W equatorial, distribution, 71b-83b
 Maldives Ridge: Site 715, 76b
 abundance, 73b, 78b, 79b, 80b
 concentration, 77b
 during fractionation, 77b, 80b-82b
 mantle processes and, 81b-82b
 sulfide removal and, 81b
 Mascarene Plateau, 76b
 abundance, 73b, 78b, 79b, 80b
 concentration, 77b
 during fractionation, 77b, 80b-82b
 mantle processes and, 81b-82b
 Nazareth Bank, 76b
 abundance, 73b, 78b, 79b, 80b
 concentration, 77b
 during fractionation, 77b, 80b-82b
 mantle processes and, 81b-82b
 North American Shale Composite
 carbonate, cerium anomalies, 709b
 geochemistry, 712b

- Northwest Providence Channel (Bahamas), pteropod fragmentation, 540b
- Norwegian Sea
 infaunal species abundances, organic carbon content and, 589b
 secondary carbonate, isotopic values, 94b
- Oceanic-island basalt (OIB)
 Maldives Ridge: Site 715, geochemistry, 19b
 Nazareth Bank
 geochemistry, 12b, 13b
 low-temperature alteration zone, 89b, 91b
 reaction of seawater with, 89b, 91b
- Olivine
 Chagos Bank: Site 713, 754a
 in volcanic glass, 39b
 Maldives Ridge: Site 715, 19b
 geochemistry, 38b
 maximum fractional crystallization model, 64b
 Nazareth Bank, 146a, 147a, 149a
 crystallization temperature, 35a
 mineral chemistry, 29b
 phenocrysts
 Chagos Bank: Site 713, 36b
 Nazareth Bank, 26b
- Ooze, calcareous, Mascarene Plateau, 236a
- Ooze, calcareous nannofossil, Maldives Ridge: Site 716, 1008a
- Ooze, foraminifer
 Mascarene Plateau, 240a
 Nazareth Bank, 130a–131a
 magnetic properties, 140a
- Ooze, foraminifer-nannofossil, Mascarene Plateau, 240a
- Ooze, high-carbonate, Indian Ocean equatorial, 579b
- Ooze, nannofossil
 Chagos Bank: Site 712, physical properties, 756a
 Chagos Bank: Site 713, 737a
 clay-bearing
 Indian Ocean W equatorial: Site 711, 662a
 Madingly Rise: Site 710, 593a, 595a, 610a–611a
 Maldives Ridge: Site 715, 922a
 foraminifer-bearing
 Indian Ocean W equatorial: Site 708, 405a–406a
 Maldives Ridge: Site 715, 922a
 Maldives Ridge: Site 716, 541b, 1008a
 Indian Ocean W equatorial: Site 708, 405a–406a
 acoustic impedance, 422a
 Indian Ocean W equatorial: Site 711, 661a
 Madingly Rise: Site 709, 465a
 magnetic properties, 477a
 physical properties, 482a
 Madingly Rise: Site 710, 597a
 carbonate content, 589a
 magnetic properties, 603a
 physical properties, 609a–610a
 Maldives Ridge: Site 714, 541b, 850a–851a, 922a
 magnetic susceptibility, 857a
 Maldives Ridge: Site 715, 917a
 physical properties, 937a
 velocity, 936a
 Maldives Ridge: Site 716, 658b
 magnetic susceptibility, 1012a
 physical properties, 1014a
 Mascarene Plateau
 carbonate content, 240a
 depositional setting, 244a
 Nazareth Bank, 128a, 131a–132a
 magnetic properties, 140a
 seismic reflection profile, 152a
 pteropod-bearing, Maldives Ridge: Site 716, 1008a
- Ooze, periplatform
 Bahama Bank, mineralogy, 849a
 diagenesis, limestone formation and, 647b
 Maldives Ridge: Site 714, in carbonate formation, 848a–849a
 Maldives Ridge: Site 716
 deposition, 1006a
 geochemistry, 648b–649b, 654b
 mineralogy, 648b
 stable isotopes, 654b–655b
 mineralogy, 647b
 sources, 849a
- Ooze, radiolarian, Indian Ocean W equatorial: Site 711, 664a
- Opal, biogenic
 dissolution rate, sedimentation rate and, 677b–678b
 Indian Ocean W equatorial: Site 711, 695b
 dissolution structures, 685b, 687b
 Madingly Rise: Site 709, dissolution structures, 687b
 Mascarene Plateau
 dissolution structures, 687b
 skeletons, 693b
- Opaline silica
 Eocene/Oligocene boundary
 Indian Ocean W equatorial, 482b–483b
 Madingly Rise, 482b–483b
 Mascarene Plateau, 482b–483b
 Indian Ocean W equatorial: Site 708, 484b
 Indian Ocean W equatorial: Site 711, 484b
 Madingly Rise: Site 709, 484b
 Madingly Rise: Site 710, 484b
 Mascarene Plateau, 473b, 484b
- Opaque minerals
 Chagos Bank: Site 713, 29b
 Maldives Ridge: Site 715, 29b
 Mascarene Plateau, 29b, 264a
 Nazareth Bank, 29b
- Orbital forcing, Indian Ocean W equatorial: Site 711, magnetic susceptibility and, 760b–763b, 767b, 768b
- Owen Ridge, carbonate mass accumulation rate, Neogene, 485b
- Oxic conditions, Indian Ocean, geochemical effects, 710b, 712b–713b
- Oxide mineralogy
 Maldives Ridge: Site 715, 949a
 Mascarene Plateau, 271a
- Oxygen isotopes
 benthic foraminifers, Madingly Rise: Site 709, 519b–524b, 525b
 carbonate, Maldives Ridge, 543b
 Madingly Rise: Site 709, 536b, 537b, 538b
 benthic foraminifers, 613b, 615b, 618b
 carbonate fine fraction, 672b
 carbonate sediments, 671b
 planktonic foraminifers, 612b, 613b
 glacial/interglacial cycles, 617b–618b
 Pliocene, 730b–735b
 Maldives Ridge: Site 714
 age vs. depth, 552b
 aragonite and, 553b, 554b, 555b, 556b
 benthic foraminifers, 599b
 bolivininid abundances and, 596b
 carbonate mineralogy and, 575b
 planktonic foraminifers, 599b
 stage boundaries, 550b
 Maldives Ridge: Site 715, secondary carbonate, formation temperatures and, 98b
- Maldives Ridge: Site 716, 546b–547b, 580b–582b
 age vs. depth, 552b
 aragonite and, 553b, 554b, 555b, 556b
 biostratigraphic correlation, 581b–582b
 calcium carbonate cements, 656b
 carbonate mineralogy and, 568b–574b
 periplatform sediments, 654b–655b
 Mascarene Plateau, secondary carbonate, 99b
 Oxygen minimum zone, Maldives Ridge: Site 714, bolivininid abundance and diversity, 597b–598b
- Pacific Ocean equatorial, carbonate preservation record, Maldives aragonite cycles and, 562b
- Packstone
 Maldives Ridge: Site 715, 917a, 922a
 Mascarene Plateau, 94b
- Palladium
 Chagos Bank: Site 713, 77b
 Maldives Ridge: Site 715, 77b, 81b
 Mascarene Plateau, 77b
 Nazareth Bank, 77b
- Palladium/iridium ratios
 Chagos Bank: Site 713, alkalinity and, 82b
 Indian Ocean
 basalt, 77b
 magma evolution effects, 81b–82b
 in magma, mantle processes and, 82b
 Maldives Ridge: Site 715, alkalinity and, 82b
 Mascarene Plateau, alkalinity and, 82b
 Nazareth Bank, alkalinity and, 82b
- Parana basalts
 continental flood basalt volcanism, Tristan mantle plume and, 54b
 hotspot activity, 7b
- Periplatform sediments, Maldives Ridge: Site 716, mineralogy, 648b
- Phenocrysts, Nazareth Bank, mineralogy, 26b
- Phillipsite, Indian Ocean, 688b
- Phosphate
 Indian Ocean, interstitial waters, 631b, 634b
 Maldives Ridge: Site 714, 857a, 863a
 Maldives Ridge: Site 716, 1013a, 1015a
- Piton de la Fournaise
 eruptive history, 4b
 formation of Réunion Island, 44b
 lithology, 7a
- Piton des Neiges
 eruptive history, 4b
 feldspar-phyric lavas, 40b
 formation of Réunion Island, 44b
 lithology, 7a
- Plagioclase
 Chagos Brink: Site 713
 anorthite content, 36b
 geochemistry, 37b–38b
 Maldives Ridge: Site 715
 anorthite content, 38b
 geochemistry, 39b–40b
 Mascarene Plateau
 anorthite content, 30b, 32b
 bimodal distribution, 35b–36b
 Nazareth Bank, anorthite content, 27b, 29b, 34b
 Phenocrysts
 Chagos Bank: Site 713, 33b, 40b
 Maldives Ridge: Site 715, 37b, 73b
 Mascarene Plateau, 31b, 40b
 Nazareth Bank, 27b, 40b
 xenocrysts, Nazareth Bank, 35a, 40b
- Plate reconstruction
 Chagos Bank: Site 713, 7b
 Indian Ocean W, 129a, 236a
 Cretaceous/Tertiary boundary, 237a

SUBJECT INDEX

- Mascarene Plateau, 13b
Plate tectonics
 Indian Ocean, 5a–9a
 spreading ridge system, northeastward migration, 7b
Platinum, Indian Ocean W equatorial, 77b
Platinum-group-element (POE) ore deposits, Nazareth Brink, volatility in aqua regia, 91b
Platinum-group-element (PGE) ore deposits, Indian Ocean basalts, fractionation, 80b
Plumes. *See* Mantle plume
Porcellanite
 Indian Ocean W equatorial: Site 711, 689b, 696b
 Mascarene Plateau, 689b
Porosity
 Chagos Bank: Site 712, 756a, 761a
 Chagos Bank: Site 713, 757a, 764a
 Indian Ocean W equatorial: Site 708, 424a
 density and, 417a
 Indian Ocean W equatorial: Site 711, 676a, 678a, 686a, 687a–688a
 Madingly Rise: Site 709, 493a, 494a
 density and, 483a
 void ratio vs. effective stress, 773b–774b
 vs. velocity with stress, 774b–775b, 776b–777b
 Madingly Rise: Site 710, 610a, 618a
 Maldives Ridge: Site 714, 859a, 860a, 867a, 868a–869a
 Maldives Ridge: Site 715, 936a, 937a
 neutron porosity log, 941a
 Mascarene Plateau, 269a, 275a
 Nazareth Bank, 159a
Potassium
 Maldives Ridge: Site 715, logging, 942a
 Nazareth Bank, effect of alteration on, 88b
Potassium/argon dating, Mascarene Islands, 11a
Pyrite
 Chagos Bank: Site 713, 756b
 Indian Ocean W equatorial, 756b
 Madingly Rise, 756b
 Maldives Ridge, 756b, 851a, 857a, 945a
 Mascarene Plateau, 756b
 Nazareth Bank, 132a, 140a, 146a, 756b
 magnetic susceptibility, 748b
Pyroxene
 Chagos Bank: Site 713
 geochemistry, 39b
 magnesium number, 38b
 Maldives Ridge: Site 715
 geochemistry, 39b
 magnesium number, 40b
 Mascarene Plateau
 geochemistry, 39b
 magnesium number, 37b
 Nazareth Bank
 crystallization temperature, 35b
 geochemistry, 39b
 magnesium number, 34b
Quartz, Indian Ocean W equatorial: Site 708, 416a
Queensland Plateau
 aragonite
 cycles, 540b
 oxygen isotope values, 558b
Rajmahal Traps
 flood basalt volcanism, 7b
 hotspot activity, 3b
 Kerguelen mantle plume and, 54b
Rare earth elements
 Nazareth Bank
 effect of alteration on, 88b–89b
 mobility in basaltic rock, 91b
Reduced conditions
 Indian Ocean
 magnetic susceptibility under, 765b, 767b
 precipitating factors, 755b–756b
Réunion Island
 formation, 43b–44b
 hotspot activity, 5a, 128a, 130a, 758a
 eruptive history, 4b
 flood basalt volcanism and, 9b, 19b
 geographical elements, 4b
 geometry, 8a–9a
 initiation, 43b
 northward movement, 735b
 paleolatitude, 8b, 116b, 919a
 position, Deccan Traps eruption, 114b
 lava, silica-alkali content, 25b
 lithology, 7a
 mantle plume magma, temporal changes, 55b–60b
 volcanism, 7a
Rhodium
 Chagos Bank: Site 713, 77b
 Maldives Ridge: Site 715, 77b
 Mascarene Plateau, 77b
 Nazareth Bank, 77b
Rio Grande Rise
 carbonate, paleoredox conditions, 709b
 hotspot activity, flood basalt volcanism and, 7b
Rockall Bank, calcium/magnesium gradient, 642b
Rodrigues Island
 basalt, 7a
 formation, 44b
 lithology, 4b
Rodrigues Ridge
 formation, 3b
 hotspot activity, 7a
 west-northwest volcanic trend, 7a
Rubidium, Nazareth Bank, effects of alteration on, 87b–88b
Ruthenium
 Chagos Bank: Site 713, 77b
 Maldives Ridge: Site 715, 77b
 Mascarene Plateau, 77b
 Nazareth Bank, 77b
St. Helena–Cameroon, hotspot activity, 5b
Salinity
 Indian Ocean W equatorial: Site 708, 416a
 Madingly Rise: Site 709, 481a
 Maldives Ridge: Site 714, 857a–858a
 Nazareth Bank, 145a
Sand, carbonate, Mascarene Plateau, 262a
Sandstone, sulfide, Nazareth Bank, formation, 146a
Saya de Malha Bank
 basalt, argon geochronology, 47b, 50b
 basement rock, nature and origin, 237a
 carbonate, shallow-water, 152a
 formation, 4b
 limestone pebbles, 128a
 morphology, 45b
 underlying ridge, 5a
Sea level, Rupelian/Chatian boundary, Indian Ocean, carbonate content and, 478b
Sea-surface temperature
 Madingly Rise: Site 709, strontium/calcium ratio dependency, 666b
 Maldives Ridge: Site 714, diatom abundance and, 604b
 Maldives Ridge: Site 716, 585b–587b
 seasonality, 586b
 species abundance variation and, 587b–588b
 warm vs. cold, 586b, 588b
Sediment accumulation rate, Indian Ocean W equatorial, 12a–13a
Sedimentation rate
 Chagos Bank: Site 712, 748a–749a, 750a
 Chagos Brink: Site 713, 748a–749a, 750a
 Oligocene/Miocene boundary, 749a
 Indian Ocean, Miocene tectonic events, 483b
 Indian Ocean W equatorial: Site 708, 401a, 414a, 416a, 470b
 carbonate content and, 474b
 Neogene, 472b
 Paleogene, 473b
 Pliocene-Pleistocene, 471b
 Indian Ocean W equatorial: Site 711, 470b, 657a, 675a
 bulk density and, 511b–512b
 magnetic susceptibility and, 671a, 674a
 Neogene, 472b
 Paleogene, 473b
 Pliocene-Pleistocene, 471b
 Madingly Rise: Site 709, 461a, 470b, 478a–479a, 483a
 bulk density and, 511b–512b
 Neogene, 472b
 Paleogene, 473b
 Madingly Rise: Site 710, 470b, 477b, 609a, 610a, 611a
 bulk density and, 511b–512b
 carbonate accumulation and, 484b
 Neogene, 472b
 Paleogene, 473b
 Pliocene-Pleistocene, 471b
 Maldives Ridge: Site 714, 470b, 857a, 859a
 Maldives Ridge: Site 715, 928a
 Maldives Ridge: Site 716, 1005a, 1012a, 1013a
 Pliocene-Pleistocene, 551b
 Mascarene Plateau, 259a, 260a, 261a, 262a, 470b
 cooling effects, 259a
 Neogene, 472b
 Paleogene, 473b
 Nazareth Bank, 134a, 142a–143a, 148a
 magnetic properties and, 143a
Seismic stratigraphy
 Chagos Bank, 758a–759a
 Chagos Bank: Site 712, reflection profiling, 43a–45a, 47a, 74a–76a, 768a
 Indian Ocean W equatorial: Site 708, 422a
 reflection profiling, 43a–45a, 47a, 61a–63a, 431a, 432a
 Indian Ocean W equatorial: Site 711, 680a
 reflection profiling, 43a–45a, 47a, 71a–72a, 696a
 Madingly Rise: Site 709, 489a
 reflection profiling, 43a–45a, 47a, 65a–67a, 503a
 Madingly Rise: Site 710, 613a
 reflection profiling, 43a–45a, 47a, 69a, 627a
 Maldives Ridge: Site 714, 860a
 reflection profiling, 43a–45a, 47a, 78a–82a, 847a, 876a, 877a, 878a
 Maldives Ridge: Site 715, 937a–938a
 reflection profiling, 43a–45a, 47a, 78a–82a, 944a, 945a
 Maldives Ridge: Site 716, 1016a
 reflection profiling, 43a, 45a, 47a, 83a, 1018a
 Mascarene Plateau, 272a
 reflection profiling, 43a–45a, 47a, 54a–59a, 163a, 284a–285a
 Nazareth Bank, 151a–152a
 reflection profiling, 43a–45a, 47a, 48a–50a, 51a–52a, 164a
Seychelles Bank
 basement rock, nature and origin, 237a

- geologic evolution, 5a
 transition to abyssal plain, 401a
- Seychelles Dikes
 argon geochronology, 120b
 K-argon dating, 119b, 120b
 magnetic properties, 119b-120b
- Seychelles Islands, lithology, 43b
- Seychelles-Saya de Malha platform, seafloor topography, 12a
- Shallow-water circulation, Indian Ocean, 14a
- Shatsky Rise, carbonate, cerium anomalies, Cretaceous/Tertiary boundary, 710b
- Shear strength
 Chagos Bank, 757a, 762a, 765a
 Indian Ocean W equatorial: Site 708, 420a, 427a, 428a
 Indian Ocean W equatorial: Site 711, 680a, 692a
 Madingly Rise: Site 709, 484a, 498a
 shear modulus vs. depth, 775b
 Madingly Rise: Site 710, 611a, 622a
 Maldives Ridge: Site 714, 860a, 872a, 873a
 Maldives Ridge: Site 715, 936a, 939a
 Mascarene Plateau, 270a, 278a, 279a, 280a
 Nazareth Bank, 150a-151a, 161a, 162a
- Sierra Leone Rise, carbonate concentration, 510b
- Silica
 Arabian Sea, Miocene deposition, 485b
 Chagos Bank, 750a-751a
 diagenesis
 Indian Ocean W equatorial: Site 711, 689b
 Madingly Rise: Site 709, 689b
 Mascarene Plateau, 689b
 Indian Ocean W equatorial, sediment supply and, 690b
 Indian Ocean W equatorial: Site 708, 416a
 Indian Ocean W equatorial: Site 711, 674a-675a, 701b
 concretions, 689b
 Madingly Rise: Site 709, 481a
 Madingly Rise: Site 710, 609a
 Maldives Ridge: Site 714, 858a
 Mascarene Plateau, 236a, 260a
 concretions, 689b
 Nazareth Bank, 144a-145a
 saturation level, Maldives Ridge: Site 714, 595b
- Silica, biogenic
 carbonate content and, Madingly Rise: Site 710, 606a
 Indian Ocean, clinoptilolite formation and, 688b
 Madingly Rise: Site 710, magnetic susceptibility, 603a
 Maldives Ridge: Site 714, 851a
See also Opaline silica
- Silica/alumina ratio, Indian Ocean W equatorial: Site 711, 706b, 711b
- Silicate, Indian Ocean basalts, fractionation, 81b
- Silicon
 Indian Ocean W equatorial, 634b
 interstitial waters, 630b-631b, 643b-644b
 Nazareth Bank, effect of alteration on, 88b
- Slump deposits
 Madingly Rise: Site 709, 465a
 manganese content to determine, 672b-673b
 Madingly Rise: Site 710, 589a, 595a-596a
- Society Islands, formation, stationary mantle plumes and, 53b
- Sodium
 Maldives Ridge: Site 716, in calcium carbonate, 655b
 strontium concentrations and, periplatform sediments, 654b
- Somali Basin, upwelling, oxidation-reduction effects, 767b
- Soudan, underlying volcanic ridge, 5a
- Spinel
 basalt paragenesis and, Indian Ocean W equatorial, 107b
 skeletal textured, Indian Ocean W equatorial, 105b
 subhedral, Maldives Ridge: Site 715, 105b
- Stable isotopes
 Maldives Ridge: Site 714, foraminifers, 592b-593b, 595b-597b
 Maldives Ridge: Site 716, 580b
 carbonate, 650b-653b
- Strontium
 effects of bottom-water temperature on, 668b
 Indian Ocean, glacial/interglacial cycles, 666b
 Madingly Rise: Site 709
 carbonate fine fraction, 666b-670b
 sources, 662b, 666b
 Maldives Ridge: Site 714, calcium concentration and, 857a
 with sea-level changes, 669b
- Strontium isotopes
 Chagos Bank, 634b-636b, 639b
 calcite recrystallization and, 636b-637b
 in interstitial waters, 630b
 sediment vs. pore-water, 642b
 Chagos Bank: Site 713
 basalt, 55b, 56b
 noble metal concentrations and, 82b
 Indian Ocean W equatorial, 634b-636b, 638b
 calcite recrystallization and, 636b-637b
 in interstitial waters, 630b, 631b
 sediment vs. pore-water, 642b
 Madingly Rise, 634b-636b, 638b
 calcite recrystallization and, 636b-637b
 in interstitial waters, 630b, 631b
 sediment vs. pore-water, 642b
 Maldives Ridge, 634b-636b, 639b
 calcite recrystallization and, 636b-637b
 in interstitial waters, 630b, 631b
 sediment vs. pore-water, 642b
 Maldives Ridge: Site 715
 basalt, 55b, 56b
 temporal variation, 56b
 noble metal concentrations and, 82b
 secondary carbonate, 98b
 Maldives Ridge: Site 716
 in calcium carbonate, 655b
 celestite saturation and, 654b
 periplatform sediments, 648b-649b
 Mascarene Plateau, 634b-636b, 638b
 basalt, 55b, 56b
 temporal variation, 56b
 calcite recrystallization and, 636b-637b
 in interstitial waters, 630b, 631b
 noble metal concentrations and, 82b
 sediment vs. pore-water, 642b
 Nazareth Bank, 634b-636b, 638b
 basalt, 55b, 56b
 calcite recrystallization and, 636b-637b
 in interstitial waters, 630b
 noble metal concentrations and, 82b
 sediment vs. pore-water, 642b
 Réunion mantle plume, eruption age and, 59b
- Strontium-neodymium isotopes
 Chagos Bank: Site 713, 67b
 Maldives Ridge: Site 715, 67b
 Mascarene Plateau, 67b
 Nazareth Bank, 67b
- Strontium/calcium ratios
 with hydrothermal flux, 667b
 Madingly Rise: Site 709, 670b
 with hydrothermal flux, Madingly Rise: Site 709, 671b-672b
 Madingly Rise: Site 709
- carbonate sediments, 666b
 sea-surface temperature and, 666b
 mechanism for changing, 667b
- Subsidence
 Chagos Bank: Site 713, 123b-126b
 Maldives Ridge: Site 715, 123b-126b, 918a
 Mascarene Plateau, 123b-126b
 Nazareth Bank, 123b-126b
- Sulfate
 Chagos Bank, 750a
 Indian Ocean W equatorial, interstitial waters, 631b, 634b
 Indian Ocean W equatorial: Site 708, 416a
 Indian Ocean W equatorial: Site 711, 674a
 Madingly Rise: Site 709, 480a
 Madingly Rise: Site 710, 609a
 Maldives Ridge: Site 714, 857a, 863a
 Maldives Ridge: Site 716, 1013a, 1015a
 Mascarene Plateau, 260a
 Nazareth Bank, 144a
- Sulfate reduction
 Indian Ocean W equatorial: Site 708, alkalinity gradient and, 639b-640b
 Madingly Rise: Site 709, alkalinity gradient and, 639b-640b
 Madingly Rise: Site 710, 595a
 alkalinity gradient and, 639b-640b
 Maldives Ridge: Site 716, 1008a, 1012a
 Mascarene Plateau, alkalinity gradient and, 639b-640b
- Sulfide, Indian Ocean basalts, fractionation, 80b-81b
- Surface sediment analogs, Maldives Ridge: Site 716, surface-water conditions and, 585b
- Surface-water circulation, productivity and, Mascarene Plateau, 237a
- Surface-water productivity
 Indian Ocean W equatorial: Site 711, pelagic source, 468b
 Mascarene Plateau, pelagic source, 468b
 water circulation and, Mascarene Plateau, 237a
- Tectonics, Chagos Bank: Site 713, 739a-740a
- Temperature
 Madingly Rise: Site 709, 490a, 504a
 vs. thermal resistivity, 505a
 Madingly Rise: Site 709, 493a
- Tethyan Indian Saline Water, formation, 519b
- Tethyan Seaway, closure of, effect on circulation patterns, 237a
- Tethys Ocean, closure, 7b
- Thermal conductivity
 Chagos Bank: Site 712, 757a, 763a
 Chagos Bank: Site 713, 757a-758a, 763a, 765a
 Indian Ocean W equatorial: Site 708, 420a, 428a, 429a
 Indian Ocean W equatorial: Site 711, 680a, 693a, 694a
 Madingly Rise: Site 709, 484a, 486a, 489a-490a, 500a-501a, 505a
 Madingly Rise: Site 710, 611a, 624a-625a
 Maldives Ridge: Site 714, 860a, 873a, 874a
 Maldives Ridge: Site 715, 937a, 940a, 941a
 Mascarene Plateau, 270a-271a, 281a, 282a
 basement rocks, 271a-272a
 Nazareth Bank, 151a, 161a, 162a
- Thermohaline recirculation
 Miocene
 Indian Ocean, 483b, 485b
 stable isotope values, 519b, 524b
 Thorium, Maldives Ridge: Site 715, logging, 941a
- Titanomagnetite
 Nazareth Bank, dissolution and pyritization, 748b

SUBJECT INDEX

- in volcanic-ash horizons, Indian Ocean W equatorial: Site 711, 671a
 Trachybasalt, Chagos Bank: Site 713, 753a
 Trachyte, Nazareth Bank, 48b
 Tristan da Cunha
 hotspot activity, 8a
 flood basalt volcanism and, 7b
 mantle plume chemistry, 54b
 True polar wander
 Chagos Bank, 736a
 Indian Ocean W, 9b
 Maldives Ridge: Site 715, 7b-8b, 918a, 919a-920a
 Mascarene Plateau, 7b-8b, 9a
 Nazareth Bank, 7b-8b
See also Apparent polar-wander paths
- Turbidites**
 Chagos Bank: Site 713, 738a
 plagioclase content, 38b
 Indian Ocean W equatorial: Site 708, 401a, 405a-406a
 acoustic impedance, 420a, 422a
 pelagic/turbidite sequence, 406a
 vs. pelagic sediments, dissolution values, 623b
 Indian Ocean W equatorial: Site 711, 468b, 661a, 662a
 carbonate content, 662a
 pelagic/turbidite sequence, 664a
 Madingly Rise: Site 710, 595a
 physical properties, 610a
 Maldives Ridge: Site 714, 541b, 850a, 851a-852a
 Mascarene Plateau, 240a
 Turbidites, calcareous, Indian Ocean W equatorial: Site 708, magnetic properties, 413a-414a
 Turbidites, carbonate, Madingly Rise: Site 710, 594a, 595a
- Upwelling**
 Indian Ocean
 initiation, 707b
 magnetic susceptibility effects, 767b
 Maldives Ridge: Site 714
 carbon isotope differential, 597b
 oxygen minima and organic carbon preservation, 598b-599b
- Uranium**
 Chagos Bank: Site 712, anoxic conditions, 713b
- Indian Ocean W equatorial: Site 708, anoxic conditions, 713b
 Maldives Ridge: Site 715, logging, 941a-942a
 Maldives Ridge: Site 716, anoxic conditions, 713b
 Nazareth Bank, anoxic conditions, 713b
- Velocity**
 Chagos Bank: Site 712, 756a, 762a
 Chagos Bank: Site 713, 757a
 basement rock, 766a
 Indian Ocean W equatorial: Site 708, 417a-418a, 424a, 427a
 acoustic impedance and, 419a, 420a
 Indian Ocean W equatorial: Site 711, 678a, 680a, 688a, 689a, 690a, 691a
 Madingly Rise: Site 709, 483a-484a, 495a-496a, 498a
 density and, 483a
 vs. effective stress, 774b-775b
 Madingly Rise: Site 710, 610a-611a, 620a, 621a, 622a
 Maldives Ridge: Site 714, 859a-860a, 869a, 870a, 871a, 872a
 Maldives Ridge: Site 715, 936a, 939a
 Mascarene Plateau, 270a, 272a, 275a, 277a, 278a, 279a, 281a, 283a, 288a
 basement rocks, 271a
 Nazareth Bank, 150a, 161a, 162a
 seismic stratigraphy and, 152a
- Volcanics, Nazareth Bank, correlation, Réunion, Mauritius and Deccan Traps, 128a-129a**
- Volcanism**
 age-progressive, Ninetyeast Ridge, 735a
 Chagos Bank: Site 713, age of, 50b
 Deccan Traps, 7b, 8a
 age and duration, 45b
 Indian Ocean, rejuvenescent phases, 44b
 Indian Ocean W, 921a
 Mascarene Islands
 activity changes, 7a
 age relationships, 44b
 northward progression, 49b
 rejuvenescent phases, 7a
 Mascarene Plateau
 age of, and Deccan basalt activity, 50b
 subaerial eruption, 18b
 Mauritius Island, 4b
- Nazareth Bank
 seafloor spreading and, 49b-50b
 submarine eruption, 11b
- Réunion Island, 5a, 7a
 eruption rate, 57b
 hotspot activity and, 43b
 radiometric dating, 4b
See also Flood basalt volcanism
- Wackestone, Maldives Ridge: Site 715, 917a, 922a
- Walvis Ridge**
 basalt, geochemistry, 54b
 hotspot activity, 8a
 pH, 712b
- Water circulation**
 calcite saturation horizon and, 237a
 climatic influence, 237a
 effect of plate movement on, 237a
See also Deep-water circulation
- Water content**
 Chagos Bank: Site 713, 757a, 764a
 Indian Ocean W equatorial: Site 711, 676a, 678a, 687a-688a
 Madingly Rise: Site 709, 483a, 494a
 Madingly Rise: Site 710, 610a, 618a
 Maldives Ridge: Site 714, 859a, 868a-869a
 Maldives Ridge: Site 715, 936a, 937a
 Mascarene Plateau, 269a, 275a
 Nazareth Bank, 159a
- Winnowing**
 Broken Ridge, carbonate MAR and, 484b
 Mascarene Plateau, carbonate MAR and, 473b, 482b, 483b
- Yellowstone**
 mantle plume
 Columbia River CFB volcanism and, 54b
 stationary, 53b
- Zeolites**
 Indian Ocean W equatorial: Site 711, 688b
 Madingly Rise: Site 709, 688b
 Mascarene Plateau, 688b
 Zirconium/niobium ratio, Deccan-Réunion lineament, 20b

SITE INDEX

- Site 1, magnetic properties, 120b
- Site 2, magnetic properties, 120b
- Site 3
magnetic properties, 120b
radiometric age, 119b-120b
- Site 4
magnetic properties, 120b, 122b
radiometric age, 119b-120b, 121b
- Site 5
magnetic properties, 122b
radiometric age, 121b
- Site 116, calcium/magnesium gradient, 642b
- Site 140
calcareous nannofossils, CN2/CN3 zonal boundary, 182b
Sphenolithus belemnos, 247b
- Site 212, carbonate compensation depth, 13a
- Site 214
barium, 688b
benthic foraminifers
 Miocene, 339b
 Paleogene, 322b
carbonate, Eocene/Oligocene boundary, 481b
cibicidids, carbon isotope values, 318b
- Site 215, Bengal Fan deposits, 598b, 600b
- Site 216
Bengal Fan deposits, 598b, 600b
benthic foraminifers, 323b
 Oligocene, 331b, 333b
 Zone P21, 326b
cibicidids, carbon isotope values, 318b
diatoms, Oligocene, 433b
- Site 217
barium, 688b
benthic foraminifers, 324b
 Oligocene, 333b, 335b
 Paleogene, 322b
 Zone CP16, 323b
diatoms, Oligocene, 433b
- Site 219
benthic foraminifers, 325b
 infaunal-epifaunal ratio, 318b
 Miocene, 339b, 351b
 Neogene, 367b-368b
 Paleogene, 322b
 Pliocene, 328b, 369b, 377b
 Zone CN9, 334b
 Zones CN10-CN11, 334b
carbonate, Eocene/Oligocene boundary, 481b
diatoms, Paleogene, 418b, 434b, 435b, 437b, 452b-456b
planktonic foraminifers, Paleogene, 310b
- Site 220
location, 53b
planktonic foraminifers, Paleogene, 310b
- Site 221, planktonic foraminifers, Paleogene, 310b
- Site 223
planktonic foraminifers
 Paleogene, 310b
 stratigraphic hiatus, 298b
- Site 224, planktonic foraminifers, Paleogene, 310b
- Site 232, calcium/magnesium gradient, 144a, 151a
- Site 235, basalt, geochemistry, 37b
- Site 236
basalt, geochemistry, 37b
benthic foraminifers, 324b
 Paleogene, 322b
calcium/magnesium gradient, 643b
diatoms, Paleogene, 418b, 434b, 437b, 452b-456b
geochemistry
 bulk rocks, 25b
 glass, 25b
planktonic foraminifers, 293b
 Paleogene, 310b
subsidence history, 123b, 124b
- Site 237
benthic foraminifers, Miocene, 339b
calcium/magnesium gradient, 259a, 642b, 643b
carbonate, Cenozoic accumulation, 472b-473b
cibicidids, carbon isotope values, 318b
lithostratigraphy, 235a
planktonic foraminifers, 293b
 Paleogene, 310b
 stratigraphic hiatus, 298b
porosity, 269a
radiolarians, abundance and preservation, 473a
sedimentation rates, Neogene, 259a
water content, 269a
winnowing, 482b
- Site 238
basalt, geochemistry, 37b
benthic foraminifers, 323b, 324b
 Oligocene, 333b, 338b
 Pliocene, 328b, 369b, 377b
 Zone P21, 326b
boliviniids, high-productivity episodes, 603b
calcium/magnesium gradient, 643b
Coscinodiscus yabei Zone, 417b
- Site 239, calcium/magnesium gradient, 643b
- Site 241
benthic foraminifers, 324b
 Paleogene, 322b
- Site 245, calcium/magnesium gradient, 144a, 151a, 643b
- Site 251, benthic foraminifers, 324b
- Site 253
basalt, geochemistry, 54b
benthic foraminifers, 323b
 Oligocene, 318b, 332b
 paleoclimatic events, 322b
 Paleogene, 327b
- Site 261, carbonate compensation depth, 13a
- Site 316, cerium anomalies, 709b
- Site 346, calcium/magnesium gradient, 642b
- Site 349, calcium/magnesium gradient, 642b
- Site 433, paleolatitude, 8b
- Site 445, *Crassidiscus backmanii*, 132b
- Site 502
carbonate, dissolution, 514b
chronostratigraphy, Pleistocene, 547b, 549b
- Site 503, carbonate, dissolution, 514b
- Site 504
aragonite, secondary, 98b
basalt, secondary carbonate geochemistry, 94b, 98b
- Site 516
benthic foraminifers, 137a
cerium anomalies, 709b
- Site 522, *Plectofrondicularia lirata*, 473a
- Site 525
carbon isotopes, carbonate fine fraction, 662b
cerium anomalies, 709b
- Site 526, benthic foraminifers, 137a
- Site 528, carbon isotopes, carbonate fine fraction, 662b
- Site 548, boliviniids, 597b
- Site 558, *Sphenolithus distensus*, 723b
- Site 563, *Nitzschia acostaensis*, 184b
- Site 572, carbonate, Pliocene accumulation, 511b
- Site 573, radiolarians, 404b
- Site 577, manganese, Cretaceous/Tertiary boundary, 710b
- Site 588, calcium/magnesium gradient, 642b
- Site 590, calcium/magnesium gradient, 642b
- Site 591, calcium/magnesium gradient, 642b
- Site 592, calcium/magnesium gradient, 642b
- Site 607, chronostratigraphy, Pleistocene, 547b
- Site 608
calcareous nannofossils, CN2/CN3 zonal boundary, 182b
lysocline, 760b
magnetic properties
 climatic controls, 768b
 susceptibility, 744b

SITE INDEX

- Site 610, calcareous nannofossils, CN2/CN3
zonal boundary, 182b
- Site 633
aragonite
carbonate fine fraction, 546b
magnesian calcite and, 551b
oxygen isotopes, 547b, 551b-579b
Pliocene-Pleistocene cyclicality, 539b-541b
supercycles, global occurrence, 562b-565b
carbonate, fine fraction content, 543b
chronostratigraphy
Pleistocene, 547b, 549b-550b
Pliocene-Pleistocene, 550b-551b
magnesian calcite, carbonate fine fraction, 546b
- Site 638, cerium anomalies, 709b
- Site 639, cerium anomalies, 709b
- Site 667, *Sphenolithus belemnos*, 247b
- Site 680, seismic stratigraphy, 680a
- Site 705
alkalinity, 631b, 634b
ammonia, 631b, 634b
aragonite, dissolution, 13a-14a
basement, 36a-38a
bathymetry, 6a, 10a, 12b, 46a, 127a
benthic foraminifers, 136a
biostratigraphy, 26a-32a, 132a-137a
calcareous nannofossils, 132a-133a
biochronology, 183b
biostratigraphy, 177b-183b
chronostratigraphy, 183b-184b
Neogene, 185b
Quaternary, 130b-131b
calcium
crustal alteration effects, 642b-643b
interstitial-water content, 630b
carbonate, dissolution, 11a-13a
coring summary, 132a
coring systems, 18a-19a
density, 157a, 158a
diatoms, 137a
biostratigraphy, 412b, 417b-419b
deep-sea hiatuses and, 423b-425b
magnetostratigraphic correlation, 419b-423b
paleoceanography, 425b-430b
geochemistry, 35a-36a, 143a-144a, 150a
solids, 634b-635b
geologic column, 8a
hotspots, 3b-5b, 5a-9a
geochemistry, 8b-9b
interstitial-water chemistry, 149a, 630b-634b
lithostratigraphy, 130a-132a
logging, 39a-40a
magnesium
crustal alteration effects, 642b-643b
interstitial-water content, 630b
magnetic profile, 46a
magnetic properties, 34a-35a, 137a, 721b-723b
pipe-rust contamination, 753b, 755b
susceptibility, 139a
magnetostratigraphy, 32a, 34a
navigation data, 43a, 48a, 51a
objectives, 126a, 128a-129a
operations, 129a-130a
paleoceanography, 9a-14a
paleogeographic reconstruction, 5b-7b
paleolatitudes, 7b-8b
periplatform oozes, 13a-14a
pH, 631b, 634b
phosphate, 631b, 634b
physical properties, 38a-39a, 149a-151a, 160a
planktonic foraminifers, 135a-136a
Neogene, 795b-800b, 828b
plate tectonics, 5a-9a
porosity, 159a
radiolarians, 137a
biostratigraphic events and paleoceanography, 403b-405b
Cenozoic, 395b-396b
recrystallization, oxidation of organic matter in, 637b, 639b-642b
recrystallization rate, strontium content and, 636b-637b
sediment classification, 22a-25a
sedimentation, 11a-13a
sedimentation rates, 142a, 148a
seismic stratigraphy, 46a-47a, 151a-152a
reflection profiling, 43a, 44a, 49a-50a, 52a
shear strength, 162a
shear-wave velocity, 270a
silicon, 630b-631b, 643b-644b
strontium isotopes
biogenic recrystallization and, 636b-637b
interstitial-water content, 630b
in sediments, 634b-636b, 638b
sulfate, 631b, 634b
thermal conductivity, 161a
velocity, 160a
water circulation, 14a
water content, 159a
- Site 706
acoustic impedance, 162a
alkalinity, 631b, 634b
ammonia, 631b, 634b
aragonite, dissolution, 13a-14a
basalt, 9a, 129a
alteration, 26b, 791b-792b
alteration, geochemical effects, 85b-91b
argon geochronology, 46b-50b
crystallization, 105b-106b
geochemical stratification, 63b-68b
geochemistry, 11b-13b, 13a, 19b-21b, 25b-26b, 34b-35b, 104b, 154a-155a
grain size and texture, 106b, 108b-110b
magnetic properties, 104b, 105b-106b, 112b-113b, 114b-116b
mineral chemistry, 26b-30b
mineralogy, 26b, 34b-35b, 45b
modal abundance, 105b
petrography, 104b, 156a, 756a
stable isotopes, 55b-60b
basement, 36a-38a, 146a-149a
alteration, 147a-148a
physical properties, 150a
bathymetry, 6a, 10a, 12b, 46a, 64b, 111b, 127a
benthic foraminifers, 136a-137a
deep- and bottom-water stratification, 336b, 340b-348b
Oligocene-Pliocene, 322b-325b, 328b-329b, 329b-336b
paleoclimatic events, 318b, 322b
biostratigraphy, 26a-32a, 132a-137a
calcareous nannofossils, 134a-135a
bathymetric and geographic variation, 144b-147b
biochronology, 183b
biostratigraphy, 177b-183b
chronostratigraphy, 183b-184b
Neogene, 185b
Paleogene, 132b, 141b, 144b
calcium
crustal alteration effects, 642b-643b
interstitial-water content, 630b
calcium/magnesium gradient, interstitial waters, 630b
carbonate, 152a
cerium anomalies, 709b-713b
dissolution, 11a-13a
cerium, Cenozoic anomalies, 709b-713b
chromite, fractionation, 80b
clinopyroxene, 28b
coring summary, 132a
coring systems, 18a-19a
density, 158a
diatoms, 138a
biostratigraphy, 413b, 417b-419b
deep-sea hiatuses and, 423b-425b
magnetostratigraphic correlation, 419b-423b
paleoceanography, 425b-430b
Paleogene, 433b-442b
geochemistry, 26b, 35a-36a, 144a-146a, 150a
bulk rocks, 25b
glass, 25b, 29b
incompatible-element ratios, 13b, 15b-17b, 18b
solids, 634b-635b
geologic column, 8a
hotspot models, 116b-117b
hotspots, 3b-5b, 5a-9a, 12a
geochemistry, 8b-9b
mineralogy, 40b-41b
thermal structure below, 68b
interstitial-water chemistry, 149a, 150a, 630b-634b
iron-titanium oxides, 104b-105b
basalt crystallization and, 105b
lithostratigraphy, 130a-132a
location, 53b, 86b
logging, 39a-40a
magma formation
genetic relationships, 77b
melting-phase relations, 66b-67b
noble metal behavior, 77b, 80b-81b
palladium/iridium ratios, 82b
pressure-temperature conditions, 67b-68b
magnesium
crustal alteration effects, 642b-643b
interstitial-water content, 630b
magnesium-augites, pyroxene magnesium number, 30b
magnetic profile, 46a
magnetic properties, 34a-35a, 137a-138a, 721b-723b
effect of early diagenesis on, 755b-756b, 758b, 760b, 765b-767b
inclination averages, 927a
lithostratigraphic correlation, 146a, 147a, 748b-749b, 754b, 755b
pipe-rust contamination, 768b
susceptibility, 139a-142a, 143a, 144a, 145a
magnetostratigraphy, 32a, 34a, 735b-736b
datum levels, 148a
mantle processes, noble metals in, 81b-82b
navigation data, 43a, 48a, 51a
noble metals
distribution, 71b-83b
in magma evolution, 77b, 80b-81b
objectives, 126a, 128a-129a
olivine, 29b
opaque minerals, 29b
operations, 130a
paleoceanography, 9a-14a
paleogeographic reconstruction, 5b-7b
paleolatitudes, 7b-8b, 116b, 734b-735b, 919a, 928a
periplatform oozes, 13a-14a

- pH, 631b, 634b
 phosphate, 631b, 634b
 physical properties, 38a-39a, 149a-151a, 160a
 plagioclase
 anorthite content, 29b
 phenocrysts, 27b
 planktonic foraminifers, 136a
 Neogene, 795b-800b, 801b, 802b, 828b
 Paleogene, 277b-279b, 279b-280b, 281b-282b
 plate tectonics, 5a-9a
 platinum-group elements
 fractionation, 80b
 volubility in aqua regia, 91b
 porosity, 159a
 pyroxene, 39b
 radiolarians, 137a
 biostratigraphic events and paleoceanography, 403b-405b
 Cenozoic, 395b-396b
 recrystallization, 637b, 639b-642b
 recrystallization rate, strontium content and, 636b-637b
 sediment classification, 22a-25a
 sedimentation, 11a-13a
 sedimentation rates, 143a
 seismic stratigraphy, 46a-47a, 151a-152a
 reflection profiling, 43a, 44a, 49a-50a, 52a, 163a, 164a
 shear strength, 162a
 shear-wave velocity, 270a
 silicate minerals, fractionation, 81b
 silicon, 630b-631b, 643b
 strontium isotopes
 biogenic recrystallization and, 636b-637b
 interstitial-water content, 630b
 in sediments, 634b-636b, 638b
 sulfate, 631b, 634b
 sulfide fractionation, 80b-81b
 thermal conductivity, 161a, 162a
 velocity, 160a, 162a
 water circulation, 14a
 water content, 159a
- Site 707
 acoustic impedance, 277a, 280a, 281a, 283a
 age models, 469b-470b
 Neogene, 505b
 Paleogene, 506b-507b
 alkalinity, 631b, 634b
 ammonia, 631b, 634b
 barite, 687b-688b
 basalt, 9a, 236a
 alteration, 30b, 791b-792b
 alteration, geochemical effects, 93b-94b
 anorthite content, 32b
 argon geochronology, 46b-50b
 correlation, Deccan basalts, 60b
 crystallization, 105b-106b
 Deccan-type, 239a
 formation temperatures, 98b
 geochemical stratification, 63b-68b
 geochemistry, 13a, 13b-18b, 19b-21b, 30b, 35b-37b, 104b, 271a
 grain size and texture, 106b, 108b-110b
 magnetic properties, 104b, 105b-106b, 112b-113b, 114b-116b
 susceptibility, 272a
 major and trace elements, 73b-77b
 mineral chemistry, 30b
 mineralogy, 30b, 31b, 35b-37b, 45b, 95b
 modal abundance, 105b
 petrography, 104b, 265a, 756a
 physical properties, 270a
 secondary carbonate geochemistry, 93b-94b, 98b-99b
 source, 54b
 stable isotopes, 55b-60b, 95b-96b
 trace elements, 96b-97b
 basement, 36a-38a
 macroscopic characteristics, 261a-263a
 petrography, 263a-264a
 bathymetry, 6a, 10a, 12b, 46a, 64b, 111b, 234a, 238a, 283a, 680b
 benthic foraminifers, 250a-251a
 deep- and bottom-water stratification, 336b, 340b-348b
 Miocene, 342b-344b
 Miocene-Pleistocene, 370b-372b
 Oligocene-Pliocene, 322b-325b, 328b-329b, 329b-336b
 paleoclimatic events, 318b, 322b
 biogenic opal, 684b-687b
 dissolution structures, 687b, 693b
 biostratigraphic datum levels, 263a
 biostratigraphy, 26a-32a, 244a-252a, 469b
 bulk sediment accumulation, 236a
 calcareous nannofossils, 244a-249a
 bathymetric and geographic variation, 144b-147b
 biochronology, 183b
 biostratigraphy, 177b-183b, 187b
 chronostratigraphy, 183b-184b, 187b
 Miocene biostratigraphic events, 245b-248b
 Neogene, 185b
 Oligocene biostratigraphic events, 238b-245b
 Paleogene, 132b, 134b, 136b-137b, 138b-140b, 141b, 142b-143b, 144b
 Quaternary, 131b
 calcium, 641b
 crustal alteration effects, 642b-643b
 interstitial-water content, 630b
 calcium/magnesium gradient, interstitial waters, 630b, 631b
 carbonate, 266a-268a, 269a, 277a, 681b, 685a
 bathymetric variation, 486b
 carbon isotopes, 97b
 Cenozoic accumulation, 472b-474b, 480b-485b, 490b-492b
 cerium anomalies, 709b-713b
 cyclicality, 609a
 dissolution, 11a-13a, 462a
 oxygen isotopes, 97b
 stratigraphy, 470b-471b
 carbonate compensation depth, motion history, 485b-487b
 carbonate, secondary, geochemistry, 93b-94b, 97b-98b
 cerium, Cenozoic anomalies, 709b-713b
 chromite, fractionation, 80b
 clinoptilolite, 687b, 688b-689b, 694b
 clinopyroxene, 32b
 coring summary, 239a
 coring systems, 18a-19a
 density, 275a, 276a, 281a, 283a
 diatoms, 252a
 biostratigraphy, 413b-415b, 417b-419b
 deep-sea hiatuses and, 423b-425b
 magnetostratigraphic correlation, 419b-423b
 paleoceanography, 425b-430b
 Paleogene, 433b-442b
 dolostone, 243a
 geochemistry, 26b, 35a-36a, 259a-260a
 bulk rocks, 25b
 glass, 25b
 incompatible-element ratios, 13b, 15b-17b, 18b
 noncarbonated fraction, 684b
 solids, 634b-635b
 geologic column, 8a, 235a
 hotspot models, 116b-117b
 hotspots, 3b-5b, 5a-9a, 12a
 geochemistry, 8b-9b
 mineralogy, 40b-41b
 thermal structure below, 68b
 interstitial-water chemistry, 259a-260a, 264a, 265a, 630b-634b
 iron-titanium oxides, 104b-105b
 basalt crystallization and, 105b
 limestone, nannofossil, 243a
 lithology, 678b
 lithostratigraphy, 94b, 240a-244a
 depositional setting, 244a
 lithotypes, 681b
 location, 53b, 93b, 679b
 logging, 39a-40a
 geochemical, 274a
 lithoporosity, 274a
 resistivity, 274a-276a, 287a
 seismic stratigraphy, 274a
 magma formation
 genetic relationships, 77b
 melting-phase relations, 66b-67b
 noble metal behavior, 77b, 80b-81b
 palladium/iridium ratios, 82b
 pressure-temperature conditions, 67b-68b
 magnesium
 crustal alteration effects, 642b-643b
 interstitial-water content, 630b
 magnesium-augite, magnesium number, 32b
 magnetic profile, 46a
 magnetic properties, 34a-35a, 252a-258a, 723b
 effect of early diagenesis on, 755b-756b, 758b, 760b, 765b-767b
 inclination averages, 927a
 pipe-rust contamination, 753b, 755b, 762b, 763b, 764b-765b, 767b-768b
 susceptibility, 253a-259a, 264a, 271a
 magnetostratigraphy, 32a, 34a, 469b
 mantle processes, noble metals in, 81b-82b
 navigation data, 43a, 53a
 noble metals
 distribution, 71b-83b
 in magma evolution, 77b, 80b-81b
 objectives, 233a, 237a
 opaque minerals, 29b, 264a
 operations, 237a-240a
 oxide mineralogy, 271a
 oxygen isotopes, carbonate, 97b
 paleoceanography, 9a-14a
 paleogeographic reconstruction, 5b-7b
 paleolatitude, 7b-8b, 116b, 919a, 928a
 pH, 631b, 634b
 phosphate, 631b, 634b
 physical properties, 38a-39a, 265a-272a, 273a-274a
 basement, 271a-272a
 sediment, 268a-271a
 plagioclase, phenocrysts, 31b
 planktonic foraminifers, 249a-250a
 Neogene, 795b-800b, 804b-807b, 828b
 Paleogene, 277b-279b, 280b, 283b-284b, 285b-287b, 288b
 plate tectonics, 5a-9a
 platinum-group-element fractionation, 80b
 porosity, 275a
 pyroxene, 39b
 quartz, 684b
 radiolarians, 251a-252a
 abundance and preservation, 473a

SITE INDEX

- biostratigraphic events and paleoceanography, 403b-405b
 Cenozoic, 395b-396b, 401b
 recrystallization, oxidation of organic matter in, 637b, 639b-642b
 recrystallization rate, strontium content and, 636b-637b
 sediment classification, 22a-25a
 sedimentation, 11a-13a
 sedimentation rates, 259a, 261a, 262a, 470b
 Neogene, 472b
 Paleogene, 473b
 seismic stratigraphy, 46a-47a, 272a, 274a
 reflection profiling, 44a, 45a, 53a-59a, 284a, 285a, 784b
 shear strength, 279a, 280a
 silicate minerals, fractionation, 81b
 silicon, 630b-631b, 634b, 643b
 sponge spicules, 692b
 strontium isotopes
 biogenic recrystallization and, 636b-637b
 interstitial-water content, 630b, 631b
 in sediments, 634b-636b, 638b
 subsidence history, 123b-126b
 sulfate, 631b, 634b
 sulfide fractionation, 80b-81b
 summary log, 286a
 thermal conductivity, 281a, 282a
 velocity, 277a, 278a, 281a, 283a, 288a
 water circulation, 14a
 water content, 275a
- Site 708**
 acoustic impedance, 426a
 age models, 469b-470b
 Neogene, 505b
 Paleogene, 506b-507b
 Pliocene-Pleistocene, 505b
 alkalinity, 631b, 634b
 ammonia, 631b, 634b
 aragonite, 635b
 dissolution, 13a-14a
 basement, 36a-38a
 bathymetry, 6a, 10a, 12b, 46a, 402a, 404a, 430a, 622b
 benthic foraminifers, 412a
 deep- and bottom-water stratification, 336b, 340b-348b
 Oligocene-Pliocene, 322b-325b, 328b-329b, 329b-336b
 paleoclimatic events, 318b, 322b
 biostratigraphic datum levels, 417a
 biostratigraphy, 26a-32a, 406a-413a, 469b
 bulk sediment accumulation, 403a
 calcareous nannofossils, 408a-419a
 bathymetric and geographic variation, 144b-147b
 biochronology, 183b
 biostratigraphy, 177b-183b, 198b
 chronostratigraphy, 183b-184b, 198b
 Miocene biostratigraphic events, 245b-248b
 Neogene, 189b
 Oligocene biostratigraphic events, 238b-245b
 Paleogene, 135b, 141b, 144b-145b
 Quaternary, 131b
 calcium, 641b
 crustal alteration effects, 642b-643b
 interstitial-water content, 630b
 calcium/magnesium gradient, interstitial waters, 630b
 carbonate, 420a, 421a-422a, 424a, 685a
 bathymetric variation, 486b
 Cenozoic accumulation, 474b-475b, 476b, 480b-485b, 492b-494b
 cerium anomalies, 709b-713b
 cyclicality, 609a
 dissolution, 11a-13a
 magnetic properties, susceptibility, 603a
 stratigraphy, 470b-471b
 carbonate compensation depth, motion history, 485b-487b
 cerium, Cenozoic anomalies, 709b-713b
 coring summary, 405a
 coring systems, 18a-19a
 diatoms, 412a-413a
 biostratigraphy, 415b, 417b-419b
 deep-sea hiatuses and, 423b-425b
 magnetostratigraphic correlation, 419b-423b
 paleoceanography, 425b-430b
 Paleogene, 433b-442b
 geochemistry, 35a-36a, 414a, 416a-417a
 solids, 634b-635b
 geologic column, 8a
 hotspots, 3b-5b, 5a-9a
 geochemistry, 8b-9b
 interstitial-water chemistry, 414a, 416a, 418a, 630b-634b
 lithostratigraphy, 405a-406a
 location, 401a, 622b
 logging, 39a-40a
 magnesium
 crustal alteration effects, 642b-643b
 interstitial-water content, 630b
 magnetic profile, 46a
 magnetic properties, 34a-35a, 413a-414a, 723b, 724b
 carbonate and, 741b-743b
 effect of early diagenesis on, 755b-756b, 758b, 760b, 765b-767b
 lithostratigraphic correlation, 677a, 757b
 susceptibility, 413a-414a, 415a, 739b-740b
 magnetostratigraphy, 32a, 34a, 469b
 mineralogy, 419a
 navigation data, 43a
 objectives, 403a
 operations, 405a
 paleoceanography, 9a-14a
 paleolatitudes, 7b-8b
 periplatform oozes, 13a-14a
 pH, 631b, 634b
 phosphate, 631b, 634b
 physical properties, 38a-39a, 417a-420a, 422a, 423a, 424a, 425a
 planktonic foraminifers, 409a
 dissolution, 623b, 624b, 625b
 Neogene, 795b-800b, 808b-809b, 828b
 Paleogene, 277b-279b, 288b
 plate tectonics, 5a-9a
 radiolarians, 412a
 biostratigraphic events and paleoceanography, 403b-405b
 Cenozoic, 395b-396b, 401b
 recrystallization, oxidation of organic matter in, 637b, 639b-642b
 recrystallization rate, strontium content and, 636b-637b
 sediment classification, 22a-25a
 sedimentation, 11a-13a
 sedimentation rates, 414a, 416a, 470b
 Neogene, 472b
 Paleogene, 473b
 Pliocene-Pleistocene, 471b
 sedimentology, 625b
 seismic stratigraphy, 46a-47a, 422a
 reflection profiling, 44a, 45a, 60a, 61a-63a, 431a, 432a
 shear strength, 427a, 428a
 silicon, 630b-631b, 634b, 643b
 stratigraphic summary, 403a
 strontium isotopes
 biogenic recrystallization and, 636b-637b
 interstitial-water content, 630b, 631b
 in sediments, 634b-636b, 638b
 subsidence history, 123b-126b
 sulfate, 631b, 634b
 thermal conductivity, 429a
 turbidites, 406a
 distribution, 407a
 velocity, 427a
 volcanic-ash-rich horizons, 671a
 water circulation, 14a
- Site 709**
 acoustic impedance, 495a-496a, 497a
 age models, 469b-470b
 Neogene, 505b
 Paleogene, 506b-507b
 alkalinity, 631b, 634b
 ammonia, 631b, 634b
 ash layer, 461a, 467a
 barite, 611b, 615b, 617b, 618b, 687b-688b
 basement, 36a-38a
 bathymetry, 6a, 10a, 12b, 46a, 460a, 463a, 502a, 680b
 benthic foraminifers, 472a-473a
 biostratigraphic age datums, 526b
 cadmium/calcium ratios, 611b, 612b, 615b, 616b, 617b, 618b
 deep- and bottom-water stratification, 336b, 340b-348b
 Miocene, 358b-360b
 Miocene-Pliocene, 374b-376b
 Oligocene, 340b-341b
 Oligocene-Pliocene, 322b-325b, 328b-329b, 329b-336b
 oxygen isotopes, 618b
 paleoclimatic events, 318b, 322b
 Pleistocene cyclicality, 611b, 613b, 616b
 stable isotopes, 519b-524b, 525b, 527b, 528b
 biogenic opal, 684b-687b
 dissolution structures, 687b
 biostratigraphic datum levels, 483a
 biostratigraphy, 26a-32a, 467a-474a, 469b
 bulk sediment accumulation, 461a-462a, 591a
 cadmium/calcium ratios, 615b
 benthic foraminifers, 611b, 612b, 616b, 617b, 618b
 calcareous nannofossils, 468a
 bathymetric and geographic variation, 144b-147b
 biochronology, 183b
 biostratigraphy, 177b-183b, 191b
 chronostratigraphy, 183b-184b, 191b
 distribution, 190b
 Miocene biostratigraphic events, 245b-248b
 Neogene, 185b-186b
 Oligocene biostratigraphic events, 238b-245b
 Paleogene, 135b, 141b, 144b, 146b-150b
 Quaternary, 131b
 calcium, 641b
 crustal alteration effects, 642b-643b
 interstitial-water content, 630b
 calcium/magnesium gradient, 486a
 interstitial waters, 630b
 carbon isotopes
 carbonate fine fraction, 662b, 667b
 planktonic: benthic ratios and, 520b, 524b
 carbonate, 486a, 487a-489a, 495a, 682b, 685a
 bathymetric variation, 486b
 bulk density and, 511b-512b
 carbon isotopes, 662b

- Cenozoic accumulation, 475b-476b, 477b, 480b-485b, 494b-497b
- cerium anomalies, 709b-713b
- concentration time series, 510b-511b
- cyclicality, 461a, 609a
- dissolution, 11a-13a, 462a, 514b-515b
- fine fraction content, 662b
- geochemistry, 663b-666b
- magnetic susceptibility, 603a
- Pliocene accumulation, 509b-510b, 516b
- productivity history, 513b-514b
- stratigraphy, 470b-471b
- strontium content, 662b, 663b-666b
- carbonate compensation depth, motion history, 485b-487b
- cerium, Cenozoic anomalies, 709b-713b
- clinoptilolite, 687b, 688b-689b
- coring summary, 464a-465a
- coring systems, 18a-19a
- density, 493a, 494a, 497a
- diatoms, 474a
- biostratigraphy, 415b, 417b-419b
- deep-sea hiatuses and, 423b-425b
- magnetostratigraphic correlation, 419b-423b
- paleoceanography, 425b-430b
- Paleogene, 433b-439b, 444b-448b
- Gassmann's theory, 775b-776b
- geochemistry, 35a-36a, 479a-481a
- carbonate fine fraction, 662b-674b
- noncarbonated fraction, 616b-617b, 684b
- solids, 634b-635b
- geologic column, 8a
- Gephyrocapsa*
- classification of taxa, 255b-259b
- correlation, existing taxonomy and biostratigraphy, 262b-264b
- time-progressive changes, 259b-262b, 264b-265b
- heat flow, 489a-490a, 493a
- hotspots, 3b-5b, 5a-9a
- geochemistry, 8b-9b
- insoluble residues, 611b-612b, 615b, 617b, 618b
- interstitial-water chemistry, 479a-481a, 484a, 630b-634b
- iron, 669b
- carbonate fine fraction, 672b-673b
- laminations, pale-green, 467a
- lithology, 678b
- lithostratigraphy, 465a-467a
- lithotypes, 682b
- location, 679b
- logging, 39a-40a
- magnesium
- carbonate fine fraction, 669b, 671b-672b
- crustal alteration effects, 642b-643b
- interstitial-water content, 630b
- magnetic profile, 46a
- magnetic properties, 34a-35a, 474a-478a, 723b-726b
- anomalous inclination pattern, 477a, 478a
- carbonate and, 741b-743b
- effect of early diagenesis on, 755b-756b, 758b, 760b, 765b-767b
- lithostratigraphic correlation, 677a, 745b-747b, 757b, 758b
- remagnetization effect, 475a-476a, 478a
- sequence repetition, 750b-752b
- susceptibility, 476a-478a, 480a, 481a, 482a, 671a
- magnetostratigraphy, 32a, 34a, 469b, 725b, 735b-736b
- reversal boundaries, 724b
- manganese, carbonate fine fraction, 671b, 672b-673b
- navigation data, 43a, 64a
- objectives, 462a
- operations, 464a
- organic carbon, 486a, 490a
- oxygen isotopes
- carbonate fine fraction, 671b, 672b, 674b
- Pliocene, 530b-538b
- paleoceanography, 9a-14a
- paleolatitudes, 7b-8b
- pH, 631b, 634b
- phosphate, 631b, 634b
- physical properties, 38a-39a, 481a-484a, 491a-492a
- planktonic foraminifers, 469a, 472a
- Neogene, 795b-800b, 810b-813b, 828b
- oxygen isotopes, 530b-538b
- Paleogene, 277b-279b, 288b-289b, 290b, 292b-293b, 294b-297b
- Pleistocene cyclicality, 611b, 613b, 616b
- productivity during oxygen minima, 617b-618b
- plate tectonics, 5a-9a
- porosity, 493a, 494a
- carbonate sediments, 773b-777b
- quartz, 684b
- radiolarians, 473a-474a
- biostratigraphic events and paleoceanography, 403b-105b
- Cenozoic, 395b-396b, 397b-398b, 401b-402b
- recrystallization, oxidation of organic matter in, 637b, 639b-642b
- recrystallization rate, strontium content and, 636b-637b
- sediment classification, 22a-25a
- sedimentation, 11a-13a
- sedimentation rates, 470b, 478a-479a, 483a
- Neogene, 472b
- Paleogene, 473b
- seismic stratigraphy, 46a-47a, 489a
- reflection profiling, 44a, 45a, 65a-67a, 503a
- shear strength, 499a
- silicon, 630b-631b, 634b, 643b
- stable isotopes, biostratigraphic correlation, 519b-520b
- stratigraphic summary, 461a
- stress, carbonate sediments, 773b-777b
- strontium isotopes
- biogenic recrystallization and, 636b-637b
- carbonate fine fraction, 662b, 666b-670b, 673b
- interstitial-water content, 630b, 631b
- in sediments, 634b-636b
- subsidence history, 123b-126b
- sulfate, 631b, 634b
- temperature, 493a, 504a
- thermal conductivity, 489a-490a, 500a-501a, 505a
- thermal resistivity, 505a
- velocity, 495a, 496a, 498a
- carbonate sediments, 773b-777b
- volcanic-ash-rich horizons, 671a
- water circulation, 14a
- water content, 494a
- basement, 36a-38a
- bathymetry, 6a, 10a, 12b, 46a, 590a, 592a, 626a
- benthic foraminifers, 601a
- deep- and bottom-water stratification, 336b, 340b-348b
- Neogene, 362b-363b
- Oligocene, 337b
- Oligocene-Pliocene, 322b-325b, 328b-329b, 329b-336b
- paleoclimatic events, 318b, 322b
- biostratigraphic datum levels, 611a
- biostratigraphy, 26a-32a, 469b, 597a-402a
- bulk sediment accumulation, 591a
- calcareous nannofossils, 597a-600a
- bathymetric and geographic variation, 144b-147b
- between-hole correlation, 193b
- biochronology, 183b
- biomagnetostratigraphy, 248b
- biostratigraphy, 177b-183b, 194b
- chronostratigraphy, 183b-184b, 194b
- Miocene biochronology, 272b-275b
- Miocene biostratigraphic events, 245b-248b
- Neogene, 185b-186b, 188b-189b
- Oligocene biostratigraphic events, 238b-245b
- Paleogene, 138b, 141b, 144b, 152b-153b
- Quaternary, 131b
- calcium, 613a, 641b
- crustal alteration effects, 642b-643b
- interstitial-water content, 630b
- calcium/magnesium gradient, interstitial waters, 630b
- carbonate, 589a, 614a-615a, 616a, 617b, 620a, 685a
- bathymetric variation, 486b
- bulk density and, 511b-512b
- Cenozoic accumulation, 476b-477b, 478b, 480b-485b, 497b-500b
- cerium anomalies, 709b-713b
- concentration time series, 510b-511b
- dissolution, 11a-13a, 514b-515b
- magnetic susceptibility, 603a
- Pliocene accumulation, 510b, 516b-518b
- productivity history, 513b-514b
- stratigraphy, 470b-471b
- carbonate compensation depth, motion history, 485b-487b
- cerium, Cenozoic anomalies, 709b-713b
- coring summary, 593a
- coring systems, 18a-19a
- density, 618a, 621a
- diatoms, 602a
- biostratigraphy, 415b, 417b-419b
- deep-sea hiatuses and, 423b-425b
- magnetostratigraphic correlation, 419b-423b
- paleoceanography, 425b-430b
- Paleogene, 433b-439b, 444b-448b
- geochemistry, 35a-36a, 609a
- solids, 634b-635b
- geologic column, 8a
- hotspots, 3b-5b, 5a-9a
- geochemistry, 8b-9b
- interstitial-water chemistry, 612a, 630b-634b
- lithostratigraphy, 589a, 593a-597a
- color changes, 593a-594a
- location, 589a
- logging, 39a-40a
- magnesium
- crustal alteration effects, 642b-643b
- interstitial-water content, 630b
- magnetic profile, 46a
- magnetic properties, 34a-35a, 589a, 602a-609a, 726b-728b, 729b
- carbonate and, 741b-743b
- Site 710
- acoustic impedance, 620a, 621a, 622a
- age models, 469b-470b
- Neogene, 505b-506b
- Paleogene, 507b
- Pliocene-Pleistocene, 505b
- alkalinity, 631b, 634b
- ammonia, 631b, 634b

SITE INDEX

- effect of early diagenesis on, 755b-756b, 758b, 760b, 765b-767b
lithostratigraphic correlation, 606a, 671a, 677a, 757b, 759b, 760b, 764b
pipe-rust contamination, 764b
reversal boundaries, 602a, 603a
sequence repetition, 608a, 752b-753b
susceptibility, 603a-609a, 671a, 741b
magnetostratigraphy, 32a, 34a, 469b, 727b, 735b-736b
reversal boundaries, 670a
microfaults, 596a
nannofossil ooze, physical properties, 609a-610a
navigation data, 43a, 68a
objectives, 591a, 593a
operations, 464a, 593a
organic carbon, 616a, 617a
paleoceanography, 9a-14a
paleolatitudes, 7b-8b, 734b-735b
pH, 631b, 634b
phosphate, 631b, 634b
physical properties, 38a-39a, 609a-613a, 619a
planktonic foraminifers, 600a-601a
Neogene, 795b-800b, 814b-815b, 829b
Paleogene, 277b-279b, 289b, 291b, 298b-299b
plate tectonics, 5a-9a
porosity, 618a
radiolarians, 601a-602a
biostratigraphic events and paleoceanography, 403b-405b
Cenozoic, 395b-396b, 399b, 402b
recrystallization, oxidation of organic matter in, 637b, 639b-642b
recrystallization rate, strontium content and, 636b-637b
sediment classification, 22a-25a
sedimentation, 11a-13a
sedimentation rates, 470b, 609a, 610a, 611a
Neogene, 472b
Paleogene, 473b
Pliocene-Pleistocene, 471b
seismic stratigraphy, 46a-47a, 613a
reflection profiling, 44a, 45a, 69a, 627a
shear strength, 623a
silicon, 630b-631b, 634b, 643b
slumping, 595a-596a
stratigraphic summary, 591a
strontium isotopes
biogenic recrystallization and, 636b-637b
interstitial-water content, 630b, 631b
in sediments, 634b-636b, 638b
subsidence history, 123b-126b
sulfate, 631b, 634b
thermal conductivity, 624a-625a
turbidites, carbonate, 594a-595a
velocity, 620a, 622a
water circulation, 14a
water content, 618a
- Site 711
acoustic impedance, 689a, 690a
age models, 469b-170b
Neogene, 506b
Paleogene, 507b
Pliocene-Pleistocene, 505b
alkalinity, 631b, 634b
ammonia, 631b, 634b
aragonite, 635b
barite, 687b, 688b
basement, 36a-38a
bathymetry, 6a, 10a, 12b, 46a, 658a, 660a, 680b, 695a
benthic foraminifers, 668a
deep- and bottom-water stratification, 336b, 340b-348b
Oligocene-Pliocene, 322b-325b, 328b-329b, 329b-336b
paleoclimatic events, 318b, 322b
biogenic opal, 684b-687b
dissolution structures, 687b
biostratigraphy, 26a-32a, 469b, 664a-669a
bulk sediment accumulation, 657a-658a
calcareous nannofossils, 665a, 668a
bathymetric and geographic variation, 144b-147b
between-hole correlation, 200b
biochronology, 183b
biomagnetostratigraphy, 248b
biostratigraphy, 177b-183b, 201b
chronostratigraphy, 183b-184b, 201b
datum events, 678a
Miocene biostratigraphic events, 245b-248b
Neogene, 189b-190b, 192b, 195b
Oligocene biostratigraphic events, 238b-245b
Paleogene, 138b-139b, 141b, 144b, 154b-158b
Quaternary, 131b
calcium, 641b, 680a
crustal alteration effects, 642b-643b
interstitial-water content, 630b
calcium/magnesium gradient, interstitial waters, 630b
carbonate, 682a, 683a-684a, 683b, 685a, 688a
bathymetric variation, 486b
bulk density and, 511b-512b
Cenozoic accumulation, 477b-480b, 480b-485b, 500b-502b
cerium anomalies, 709b-713b
concentration time series, 510b-511b
dissolution, 11a-13a, 514b-515b
Pliocene accumulation, 510b, 518b
productivity history, 513b-514b
stratigraphy, 470b-471b
carbonate compensation depth, motion history, 485b-487b
cerium, Cenozoic anomalies, 709b-713b
chert, 697b, 698b
clay, geochemistry, 711b
clinoptilolite, 687b, 688b-689b
coring summary, 661a
coring systems, 18a-19a
density, 686a, 690a
diatoms, 669a
biostratigraphy, 415b, 417b-419b
deep-sea hiatuses and, 423b-425b
magnetostratigraphic correlation, 419b-423b
paleoceanography, 425b-430b
Paleogene, 433b-439b, 444b-448b
geochemistry, 35a-36a, 674a
Neogene, 701b-706b
noncarbonated fraction, 686b
solids, 634b-635b
geologic column, 9a
hotspots, 3b-5b, 5a-9a
geochemistry, 8b-9b
interstitial-water chemistry, 630b-634b, 679a
lithology, 678b
lithostratigraphy, 657a, 661a-664a
lithotypes, 683b
location, 679b
logging, 39a-40a
magnesium, 680a
crustal alteration effects, 642b-643b
interstitial-water content, 630b
magnetic profile, 46a
magnetic properties, 34a-35a, 669a-674a, 728b-730b, 731b
between-hole correlation, 671a, 674a
carbonate and, 741b-743b
climatic controls, 760b-763b, 768b
correlation, Sites 708-710, 674a
effect of early diagenesis on, 755b-756b, 758b, 760b, 765b-767b
lithostratigraphic correlation, 675a, 747b-748b, 749b, 750b, 757b, 763b-764b
orbital forcing effects, 767b
susceptibility, 670a, 674a, 676a, 740b, 752b
lithostratigraphic correlation, 677a
magnetostratigraphy, 32a, 34a, 469b, 732b, 735b-736b
reversal boundaries, 670a, 678a, 728b, 733b
navigation data, 43a, 70a
objectives, 659a
operations, 661a
organic carbon, 682a, 685a
paleoceanography, 9a-14a
paleolatitudes, 7b-8b, 734b-735b
pelagic-turbidite layer, 664a
pH, 631b, 634b
phosphate, 631b, 634b
physical properties, 38a-39a, 676a, 678a-680a, 687a-688a
planktonic foraminifers, 668a
Neogene, 795b-800b, 816b, 829b
Paleogene, 277b-279b, 291b
plate tectonics, 5a-9a
porcellanite, 696b
porosity, 686a
quartz, 684b
radiolarians, 668a
biostratigraphic events and paleoceanography, 403b-405b
Cenozoic, 395b-396b, 400b, 402b-403b
recrystallization, oxidation of organic matter in, 637b, 639b-642b
recrystallization rate, strontium content and, 636b-637b
sediment accumulation rates, 705b, 706b-707b
sediment classification, 22a-25a
sedimentation, 11a-13a
sedimentation rates, 470b, 674a
Neogene, 472b
Paleogene, 473b
Pliocene-Pleistocene, 471b
seismic stratigraphy, 46a-47a
reflection profiling, 44a, 45a, 71a-72a, 696a
shear strength, 692a
silicon, 630b-631b, 634b, 643b
stratigraphic summary, 659a
strontium isotopes
biogenic recrystallization and, 636b-637b
interstitial-water content, 630b, 631b
in sediments, 634b-636b, 638b-639b
subsidence history, 123b-126b
sulfate, 631b, 634b
thermal conductivity, 693a
velocity, 689a, 690a, 691a
water circulation, 14a
- Site 712
acoustic impedance, 762a
alkalinity, 631b, 634b
ammonia, 631b, 634b
basalt, magnetic properties, 747a
basement, 36a-38a, 751a-753a
macroscopic characteristics, 753a-754a
microscopic characteristics, 754a
bathymetry, 6a, 10a, 12b, 46a, 767a
benthic foraminifers, 745a

- deep- and bottom-water stratification, 336b, 340b-348b
 Oligocene-Pliocene, 322b-325b, 328b-329b, 329b-336b
 paleoclimatic events, 318b, 322b
 biostratigraphic datum levels, 751a
 biostratigraphy, 26a-32a, 740a-746a
 calcareous nannofossils, 741a-742a
 bathymetric and geographic variation, 144b-147b
 biochronology, 183b
 biostratigraphy, 177b-183b
 chronostratigraphy, 183b-184b
 Neogene, 197b
 Paleogene, 139b, 141b, 144b, 160b-161b
 calcium, 753a
 crustal alteration effects, 642b-643b
 interstitial-water content, 630b
 calcium/magnesium gradient, interstitial waters, 630b
 carbonate, 753a, 761a
 dissolution, 11a-13a
 cerium, Cenozoic anomalies, 709b-713b
 coring summary, 737a
 coring systems, 18a-19a
 density, 761a
 diatoms, 746a
 biostratigraphy, 415b, 417b-419b
 deep-sea hiatuses and, 423b-425b
 magnetostratigraphic correlation, 419b-423b
 paleoceanography, 425b-430b
 Paleogene, 433b-439b
 geochemistry, 35a-36a, 749a-751a
 solids, 634b-635b
 geologic column, 9a
 hotspots, 3b-5b, 5a-9a
 geochemistry, 8b-9b
 interstitial-water chemistry, 630b-634b, 749a-751a
 lithostratigraphy, 733a, 737a-740a
 location, 734a
 logging, 39a-40a
 magnesium, 753a
 crustal alteration effects, 642b-643b
 interstitial-water content, 630b
 magnetic profile, 46a
 magnetic properties, 34a-35a, 730b, 746a-748a
 pipe-rust contamination, 753b, 755b
 susceptibility, 747a
 magnetostratigraphy, 32a, 34a
 navigation data, 43a, 73a
 objectives, 735a-736a
 operations, 736a
 organic carbon, 754a
 paleoceanography, 9a-14a
 paleolatitude, 7b-8b
 pH, 631b, 634b
 phosphate, 631b, 634b
 physical properties, 38a-39a, 756a-757a, 760a
 planktonic foraminifers, 744a
 Neogene, 795b-800b, 817b-818b, 829b
 Paleogene, 277b-279b, 291b
 plate tectonics, 5a-9a
 porosity, 761a
 radiolarians, 745a-746a
 biostratigraphic events and paleoceanography, 403b-405b
 Cenozoic, 395b-396b, 403b
 recrystallization, oxidation of organic matter in, 637b, 639b-642b
 recrystallization rate, strontium content and, 636b-637b
 sediment classification, 22a-25a
 sedimentation, 11a-13a
 sedimentation rates, 748a-749a, 750a
 seismic stratigraphy, 46a-47a, 758a-759a
 reflection profiling, 44a, 45a, 74a-76a, 768a
 shear strength, 762a
 silicon, 630b-631b, 643b
 stratigraphic summary, 735a
 strontium isotopes
 biogenic recrystallization and, 636b-637b
 interstitial-water content, 630b
 in sediments, 634b-636b, 638b-639b
 sulfate, 631b, 634b
 thermal conductivity, 763a
 velocity, 762a
 water circulation, 14a

 Site 713
 acoustic impedance, 762a, 765a, 766a
 alkalinity, 631b, 634b
 ammonia, 631b, 634b
 ash layer, 739a, 740a
 basalt, 9a
 alteration, 31b, 791b-792b
 argon geochronology, 46b-50b
 crystallization, 105b-106b
 geochemical stratification, 63b-68b
 geochemistry, 13a, 18b, 19b-21b, 31b, 37b-39b, 104b, 713a-714a
 grain size and texture, 106b, 108b-110b
 magnetic properties, 104b, 105b-106b, 112b-113b, 113b-114b, 114b-116b, 747a, 748a, 749a
 susceptibility, 756a
 major and trace elements, 73b-77b
 mineral chemistry, 31b-32b
 mineralogy, 31b, 37b-39b, 45b
 modal abundance, 105b
 petrography, 104b, 755a, 756a
 basement, 36a-38a, 751a-753a
 macroscopic characteristics, 753a-754a
 microscopic characteristics, 754a
 physical properties, 758a
 bathymetry, 6a, 10a, 12b, 46a, 64b, 111b, 767a
 benthic foraminifers, 745a
 deep- and bottom-water stratification, 336b, 340b-348b
 Neogene, 364b-366b
 Oligocene-Pliocene, 322b-325b, 328b-329b, 329b-336b
 paleoclimatic events, 318b, 322b
 biostratigraphic datum levels, 751a
 biostratigraphy, 26a-32a, 740a-746a
 calcareous nannofossils, 742a, 744a
 bathymetric and geographic variation, 144b-147b
 biochronology, 183b
 biostratigraphy, 177b-183b
 chronostratigraphy, 183b-184b
 Neogene, 197b
 Paleogene, 140b, 141b, 144b, 162b-164b
 calcium, 753a
 crustal alteration effects, 642b-643b
 interstitial-water content, 630b
 calcium/magnesium gradient, interstitial waters, 630b
 carbonate, 754a, 764a
 cerium anomalies, 709b-713b
 dissolution, 11a-13a
 cerium, Cenozoic anomalies, 709b-713b
 chromite, fractionation, 80b
 clinopyroxene, 34b
 coring summary, 737a
 coring systems, 18a-19a
 density, 764a, 765a, 766a
 diatoms, 746a
 biostratigraphy, 417b-419b
 deep-sea hiatuses and, 423b-425b
 magnetostratigraphic correlation, 419b-423b
 paleoceanography, 425b-430b
 Paleogene, 433b-439b, 452b-456b
 geochemistry, 26b, 35a-36a, 749a-751a
 bulk rocks, 25b
 glass, 25b
 incompatible-element ratios, 13b, 15b-17b, 18b
 solids, 634b-635b
 geologic column, 9a
 hotspot models, 116b-117b
 hotspots, 3b-5b, 5a-9a, 12a, 736a
 geochemistry, 8b-9b
 mineralogy, 40b-41b
 thermal structure below, 68b
 interstitial-water chemistry, 630b-634b, 749a-751a, 752a
 iron-titanium oxides, 104b-105b
 basalt crystallization and, 105b
 lithostratigraphy, 734a, 737a-740a
 location, 53b, 734a
 logging, 39a-40a
 magma formation
 genetic relationships, 77b
 melting-phase relations, 66b-67b
 noble metal behavior, 77b, 80b-81b
 palladium/iridium ratios, 82b
 pressure-temperature conditions, 67b-68b
 magnesium, 753a
 crustal alteration effects, 642b-643b
 interstitial-water content, 630b
 magnesium-augite, magnesium number, 36b
 magnetic profile, 46a
 magnetic properties, 34a-35a, 730b, 746a-748a
 effect of early diagenesis on, 755b-756b, 758b, 760b, 765b-767b
 inclination averages, 927a
 susceptibility, 747a-748a, 749a
 magnetostratigraphy, 32a, 34a
 mantle processes, noble metals in, 81b-82b
 microfaults, 740a, 741a
 navigation data, 43a
 noble metals
 distribution, 71b-83b
 in magma evolution, 77b, 80b-81b
 objectives, 735a-736a
 olivine, phenocrysts, 36b
 opaque minerals, 29b
 operations, 737a
 organic carbon, 754a
 paleoceanography, 9a-14a
 paleogeographic reconstruction, 5b-7b
 paleolatitude, 7b-8b, 116b, 919a, 928a
 pH, 631b, 634b
 phosphate, 631b, 634b
 physical properties, 38a-39a, 757a-758a, 760a
 plagioclase
 anorthite content, 36b
 phenocrysts, 33b
 planktonic foraminifers, 744a-745a
 Neogene, 795b-800b, 819b, 829b
 Paleogene, 277b-279b, 291b
 plate tectonics, 5a-9a
 platinum-group-element fractionation, 80b
 porosity, 764a
 pyroxene, 39b
 radiolarians, 746a
 biostratigraphic events and paleoceanography, 403b-405b
 Cenozoic, 395b-396b, 403b
 recrystallization, oxidation of organic matter in, 637b, 639b-642b

SITE INDEX

- recrystallization rate, strontium content and, 636b-637b
- sediment classification, 22a-25a
- sedimentation, 11a-13a
- sedimentation rates, 748a-749a
- seismic stratigraphy, 46a-47a, 758a-759a
reflection profiling, 44a, 45a, 768a
- shear strength, 762a, 765a
- silicate minerals, fractionation, 81b
- silicon, 630b-631b, 643b
- stratigraphic summary, 735a
- strontium isotopes
biogenic recrystallization and, 636b-637b
interstitial-water content, 630b
in sediments, 634b-636b, 638b-639b
- sulfate, 631b, 634b
- sulfide fractionation, 80b-81b
- thermal conductivity, 763a, 765a
- velocity, 762a, 765a, 766a
- water circulation, 14a
- Site 714
acoustic impedance, 870a, 871a
- alkalinity, 631b, 634b
- ammonia, 631b, 634b
- aragonite
carbonate fine fraction, 545b
dissolution, 13a-14a
magnesian calcite and, 551b
oxygen isotopes, 547b, 551b-559b
Pliocene-Pleistocene cyclicity, 539b-541b
supercycles, global occurrence, 562b-565b
- basement, 36a-38a
- bathymetry, 6a, 10a, 12b, 46a, 848a, 875a
- benthic foraminifers, 854a-855a
deep- and bottom-water stratification, 336b, 340b-348b
indexes, 595b
large shallow-water, 386b-387b
Neogene, 352b-356b
Oligocene-Pliocene, 322b-325b, 328b-329b, 329b-336b
paleoclimatic events, 318b, 322b
Paleogene, 328b-330b
stable isotopes, 592b-593b
- biostratigraphic datum levels, 859a
- biostratigraphy, 26a-32a, 852a-856a
- boliviniids
high-productivity episodes, 603b
Miocene, 593b-595b
morphology and sediment chemistry, 590b-591b, 593b
productivity during oxygen minima, 597b-604b
- bulk sediment accumulation, 848a, 850a
- calcareous nannofossils, 852a-854a
bathymetric and geographic variation, 144b-147b
biochronology, 183b
biostratigraphy, 177b-183b, 208b
chronostratigraphy, 183b-184b, 208b
Miocene biostratigraphic events, 245b-248b
Neogene, 199b, 201b, 203b-204b, 206b
Oligocene biostratigraphic events, 238b-245b
Paleogene, 140b, 141b, 144b, 166b-167b
- calcium
crustal alteration effects, 642b-643b
interstitial-water content, 630b
- carbonate, 863a-865a, 869a
Cenozoic accumulation, 480b-485b, 502b-504b
dissolution, 11a-13a
fine fraction content, 543b
- carbonate compensation depth, motion history, 485b-487b
- carbonate mineralogy, oxygen isotope record and, 575b
- chronostratigraphy
Pleistocene, 547b, 549b-550b
Pliocene-Pleistocene, 550b-551b
- coring systems, 18a-19a
- density, 871a
- diatoms, 856a
biostratigraphy, 417b-419b
deep-sea hiatuses and, 423b-425b
magnetostratigraphic correlation, 419b-423b
paleoceanography, 425b-430b
Paleogene, 433b-439b, 452b-456b
- geochemistry, 35a-36a, 857a-859a
solids, 634b-635b
- geologic column, 9a
- hotspots, 3b-5b, 5a-9a
geochemistry, 8b-9b
- interstitial-water chemistry, 630b-634b, 857a-858a, 860a, 862a, 863a
- lithostratigraphy, 847a-848a, 849a-852a, 922a
- location, 847a
- logging, 39a-40a
- magnesian calcite, carbonate fine fraction, 546b
- magnesium
crustal alteration effects, 642b-643b
interstitial-water content, 630b
- magnetic profile, 46a
- magnetic properties, 34a-35a, 731b, 856a-857a
effect of early diagenesis on, 755b-756b, 758b, 760b, 765b-767b
lithostratigraphic correlation, 745b
susceptibility, 857a, 858a
- magnetostratigraphy, 32a, 34a
- methane, 866a
- navigation data, 43a, 77a
- objectives, 848a-849a
- operations, 849a
- organic carbon, 865a
- oxygen isotopes, productivity during Miocene minima, 597b-604b
- paleoceanography, 9a-14a
- paleolatitudes, 7b-8b
- periplatform oozes, 13a-14a
- pH, 631b, 634b
- phosphate, 631b, 634b
- physical properties, 38a-39a, 859a-860a, 867a-868a
- planktonic foraminifers, 854a
Neogene, 795b-800b, 820b-823b, 829b
Paleogene, 277b-279b, 291b-292b, 304b-307b
stable isotopes, 592b-593b
- plate tectonics, 5a-9a
- radiolarians, 855a-856a
- Cenozoic, 395b-396b, 403b
- recrystallization, oxidation of organic matter in, 637b, 639b-642b
- recrystallization rate, strontium content and, 636b-637b
- sediment classification, 22a-25a
- sedimentation, 11a-13a
- sedimentation rates, 857a, 859a
Neogene, 507b
- seismic stratigraphy, 46a-47a, 860a
reflection profiling, 44a, 45a, 78a-82a, 876a-877a, 878a
- shear strength, 872a, 873a
- siliceous fossil studies, 595b
- silicon, 630b-631b, 643b
- stable isotopes, 595b-597b
- stratigraphic summary, 849a
- strontium isotopes
biogenic recrystallization and, 636b-637b
interstitial-water content, 630b
in sediments, 634b-636b, 638b-639b
sulfate, 631b, 634b
thermal conductivity, 873a, 874a
velocity, 870a, 871a, 872a
water circulation, 14a
- Site 715
alkalinity, 631b, 634b
ammonia, 631b, 634b
aragonite, dissolution, 13a-14a
- basalt, 9a
alteration, 33b
alteration, geochemical effects, 93b-94b
argon geochronology, 46b-50b
contacts, 933a
crystallization, 105b-106b
formation temperatures, 98b
geochemical stratification, 63b-68b
geochemistry, 13a, 18b-19b, 19b-21b, 33b, 104b, 934a, 936a
grain size and texture, 106b, 108b-110b
magnetic properties, 104b, 105b-106b, 114b-116b, 926a, 927a
magnetic susceptibility, 934a-936a
major and trace elements, 73b-77b
mineral chemistry, 33b
mineralogy, 33b, 45b, 95b
modal abundance, 105b
petrography, 104b, 932a, 934a
secondary carbonate geochemistry, 93b-94b, 97b-98b
stable isotopes, 55b-50b, 96b
- basement, 36a-38a, 928a
macroscopic characteristics, 930a-933a
- bathymetry, 6a, 10a, 12b, 46a, 64b, 111b, 917a, 943a
- benthic foraminifers, 924a-925a
deep- and bottom-water stratification, 336b, 340b-348b
large shallow-water, 381b-386b
Miocene, 346b-348b
Oligocene-Pliocene, 322b-325b, 328b-329b, 329b-336b
paleoclimatic events, 318b, 322b
biostratigraphic datum events, 928a
biostratigraphy, 26a-32a, 922a-923a
calcareous nannofossils, 922a, 924a
bathymetric and geographic variation, 144b-147b
biochronology, 183b
biostratigraphy, 177b-183b, 210b
chronostratigraphy, 183b-184b, 210b
Miocene biostratigraphic events, 245b-248b
Neogene, 201b-204b, 206b
Oligocene biostratigraphic events, 238b-245b
Paleogene, 140b-141b, 144b
- calcite, strontium contents, 97b
- calcium, 930a
crustal alteration effects, 642b-643b
interstitial-water content, 630b
- carbon isotopes, carbonate, 97b
- carbonate
carbon isotopes, 97b
dissolution, 11a-13a
oxygen isotopes, 97b
carbonate, secondary, geochemistry, 93b-94b, 98b-99b
- chromite, fractionation, 80b
- clinopyroxene, 38b
- coring summary, 921a
- coring systems, 18a-19a

- diatoms, 925a
 biostratigraphy, 417b-419b
 deep-sea hiatuses and, 423b-425b
 magnetostratigraphic correlation, 419b-423b
 paleoceanography, 425b-430b
 Paleogene, 433b-439b
 geochemistry, 26b, 35a-36a, 928a
 incompatible-element ratios, 13b, 15b-17b, 18b
 solids, 634b-635b
 geologic column, 9a, 918a
 hotspots, 3b-5b, 5a-9a, 12a, 921a
 geochemistry, 8b-9b
 mineralogy, 40b-41b
 models, 116b-117b
 thermal structure below, 68b
 hypothetical thermal subsidence curve, 918a
 interstitial-water chemistry, 630b-634b, 928a, 929a, 930a
 iron-titanium oxides, 104b-105b
 basalt crystallization and, 105b
 lithostratigraphy, 94b, 917a-918a, 921a-922a
 location, 53b, 93b, 917a
 logging, 39a-40a, 938a-945a
 bulk-density, 941a
 geochemical, 942a, 944a
 lithologic correlation, 948a
 neutron porosity, 941a
 potassium, 942a
 resistivity, 939a-941a
 thorium, 941a
 uranium, 941a
 magma formation
 genetic relationships, 77b
 melting-phase relations, 66b-67b
 noble metal behavior, 77b, 80b-81b
 palladium/iridium ratios, 82b
 pressure-temperature conditions, 67b-68b
 magnesium, 930a
 crustal alteration effects, 642b-643b
 interstitial-water content, 630b
 magnesium-augite, magnesium number, 39b
 magnetic profile, 46a
 magnetic properties, 34a-35a, 731b, 733b, 925a-928a
 effect of early diagenesis on, 755b-756b, 758b, 760b, 765b-767b
 hotspot model, 927a-928a
 magnetostratigraphy, 32a, 34a
 mantle processes, noble metals in, 81b-82b
 navigation data, 43a, 77a
 noble metals
 distribution, 71b-83b
 in magma evolution, 77b, 80b-81b
 objectives, 917a, 919a
 olivine, 38b
 opaque minerals, 29b
 operations, 921a
 organic carbon, 930a
 oxides, 949a
 oxygen isotopes, carbonate, 97b
 paleoceanography, 9a-14a
 paleogeographic reconstruction, 5b-7b
 paleolatitude, 7b-8b, 116b, 919a, 928a
 periplatform oozes, 13a-14a
 pH, 631b, 634b
 phosphate, 631b, 634b
 physical properties, 38a-39a, 936a, 938a, 939a
 plagioclase
 anorthite content, 38b
 phenocrysts, 37b
 planktonic foraminifers, 924a
 Neogene, 795b-800b, 824b-825b, 829b
 plate reconstruction, 921a
 plate tectonics, 5a-9a
 platinum-group-element fractionation, 80b
 pyroxene, 39b
 radiolarians, 925a
 biostratigraphic events and paleoceanography, 403b-405b
 recrystallization, oxidation of organic matter in, 637b, 639b-642b
 recrystallization rate, strontium content and, 636b-637b
 sediment classification, 22a-25a
 sedimentation, 11a-13a
 sedimentation rates, 928a, 929a
 seismic stratigraphy, 46a-47a, 937a-938a
 reflection profiling, 44a, 45a, 78a-82a, 944a, 945a
 shear strength, 940a
 silicate minerals, fractionation, 81b
 silicon, 630b-631b, 643b
 strontium isotopes
 biogenic recrystallization and, 636b-637b
 interstitial-water content, 630b
 in sediments, 634b-636b, 638b-639b
 sulfate, 631b, 634b
 sulfide fractionation, 80b-81b
 summary logs, 947a-948a
 thermal conductivity, 940a
 trace element concentrations, 950a
 true polar wander, 919a, 921a
 water circulation, 14a

 Site 716
 alkalinity, 631b, 634b, 640b
 ammonia, 631b, 634b
 aragonite
 carbonate fine fraction, 545b
 dissolution, 13a-14a
 magnesian calcite and, 551b
 oxygen isotopes, 546b-547b, 551b-559b
 Pliocene-Pleistocene cyclicity, 539b-541b
 supercycles, global occurrence, 562b-565b
 basement, 36a-38a
 bathymetry, 6a, 10a, 12b, 46a, 1006a, 1017a
 benthic foraminifers, 1010a
 biostratigraphy, 26a-32a, 1008a-1011a
 burial diagenesis, 656b-657b
 calcareous nannofossils, 1008a, 1010a
 datum levels, 1013a
 Neogene, 206b
 Quaternary, 131b-132b
 calcium, 641b
 crustal alteration effects, 642b-643b
 interstitial-water content, 630b
 calcium/magnesium gradient, interstitial waters, 630b
 carbonate, 1015a, 1016a
 cerium anomalies, 709b-713b
 dissolution, 11a-13a
 fine fraction content, 543b
 carbonate mineralogy, oxygen isotope record and, 568b-574b
 celestite, 631b
 cerium, Cenozoic anomalies, 709b-713b
 chronostratigraphy
 Pleistocene, 547b, 549b-550b
 Pliocene-Pleistocene, 550-551b
 coring summary, 1007a
 coring systems, 18a-19a
 density, 1016a
 diatoms, biostratigraphy, 417b
 ethane, 1016a
 geochemistry, 35a-36a, 1012a-1013a
 periplatform carbonate sediments, 647b-658b
 solids, 634b-635b

PALEONTOLOGICAL INDEX

- Site 721, magnetic properties, effect of early diagenesis on, 765b
- Site 722, magnetic properties, effect of early diagenesis on, 765b
- Site 723, magnetic properties, effect of early diagenesis on, 765b
- Site 730, magnetic properties, effect of early diagenesis on, 765b
- Site 731, magnetic properties, effect of early diagenesis on, 765b
- Site CARB-1
bathymetry, 783b
- sediment isopach map, 785b
site survey results, 781b
- Site CARB-2, site survey results, 781b
- Site MP-1
sediment thickness, 790b
site survey results, 782b
water depth, 789b
- Site MP-2
bathymetry, 787b
sediment thickness, 788b
site survey results, 782b
- Site MP-3
sediment isopach map, 786b
- seismic stratigraphy, reflection profiling, 787b
site survey results, 782b
- Site NB-1, basalt, argon geochronology, 46b-50b
- Site SM-1
basalt
argon geochronology, 46b-50b
petrology, 45b
strontium ratio, 55b
location, 53b

PALEONTOLOGICAL INDEX

- Abas wittii*, Indian Ocean W equatorial, 440b
- Acarinina nitida*, Indian Ocean W equatorial, 300b
- Acarinina pentacamerata* Zone, Maldives Ridge:
Site 715, 386b
- Acarinina pseudotopilensis*, Maldives Ridge: Site 715, 393b
- Acarinina* sp., Maldives Ridge: Site 715, 393b
- Actinocyclus moronensis* Zone
Indian Ocean W equatorial, 417b
Maldives Ridge: Site 714, 856a
- Actinocyclus octonarius*, Indian Ocean W equatorial, 440b
- Actinoptychus senarius*, Indian Ocean W equatorial, 440b
- Actinoptychus splendens*, Indian Ocean W equatorial, 440b
- Alveolina aragonensis* group
Indian Ocean W equatorial, 387b
Maldives Ridge: Site 715, 391b
- Alveolina canavarii* group
Indian Ocean W equatorial, 387b
Maldives Ridge: Site 715, 390b, 392b
- Alveolina dainellii*
Indian Ocean W equatorial, 387b
Maldives Ridge: Site 715, 391b
- Alveolina dainellii/A. palermitana* transitional forms, Maldives Ridge: Site 715, 390b
- Alveolina dainellii* Zone, Maldives Ridge: Site 715, 384b, 386b
- Alveolina fornasinii*
Indian Ocean W equatorial, 387b
Maldives Ridge: Site 715, 389b
- Alveolina palermitana*
Indian Ocean W equatorial, 387b
Maldives Ridge: Site 715, 390b, 391b
- Alveolina* sp., Maldives Ridge: Site 715, 389b, 391b
- Alveolina violae* Zone, Maldives Ridge: Site 715, 384b
- Amaurolithus amplificus*
Indian Ocean W equatorial, 180b, 216b
Indian Ocean W equatorial: Site 711, 229b
Madingly Rise: Site 709, 229b
Madingly Rise: Site 710, 229b
Maldives Ridge: Site 713, 229b
- Amaurolithus delicatus*
Indian Ocean W equatorial, 216b
- Madingly Rise: Site 710, 228b
- Maldives Ridge: Site 713, 228b
- Amaurolithus primus*
Indian Ocean W equatorial, 216b
first occurrence, 180b
Indian Ocean W equatorial: Site 711, 665a
Madingly Rise: Site 709, 228b, 468a
Madingly Rise: Site 710, 228b, 272b
first occurrence, 274b, 728b
Maldives Ridge: Site 716, 1010a
- Amaurolithus primus-Amaurolithus delicatus* intergrade
Chagos Bank: Site 713, 228b
Madingly Rise: Site 710, 228b
- Amaurolithus* spp.
Indian Ocean W equatorial, 179b
Indian Ocean W equatorial: Site 708, first occurrence, 505b
Madingly Rise: Site 709, 228b
Mascarene Plateau, first occurrence, 248a
- Amaurolithus tricorniculatus*
Indian ocean W equatorial, 216b
Madingly Rise: Site 710, 228b
- Amphirhopalum ypsilon*, Indian ocean W equatorial, first occurrence, 404b
- Amphirhopalum ypsilon* Zone
Indian Ocean W equatorial: Site 711, 402b, 669a
Madingly Rise: Site 710, 601a
Maldives Ridge: Site 714, 403b, 855a
- Anomalinoidea aragonensis*, Indian Ocean W equatorial: Site 711, 379b
- Anthocyrtidium angulare* Zone
Chagos Bank: Site 713, 746a
Indian Ocean W equatorial: Site 711, 402b, 669a
Madingly Rise: Site 710, 601a
- Arachnoidiscus* spp., Indian Ocean W equatorial, 440b
- Asterocyclina* sp., Maldives Ridge: Site 715, 391b
- Asterolampra affinis*, Indian Ocean W equatorial, 440b
- Asterolampra grevillei*, Indian Ocean W equatorial, 440b
- Asterolampra marylandica*, Indian Ocean W equatorial, 440b
- Asterolampra marylandica* Zone, Indian Ocean W equatorial, 434b
- Asterolampra punctifera*, Indian Ocean W equatorial, 440b
- Asterolampra vulgaris*, Indian Ocean W equatorial, 441b
- Aulacodiscus* spp., Indian Ocean W equatorial, 441b
- Aulacosira granulata*, Indian Ocean W equatorial, 439b, 441b
- Bacteriopsis brunii*, Indian Ocean W equatorial, 441b
- Bacteriopsis brunii* Zone, Indian Ocean W equatorial, 434b
- Beella digitata*, Indian Ocean W equatorial, 795b
- Benthic foraminifers
Chagos Bank: Site 712, Zone CP16, 323b
Chagos Bank: Site 713
biostratigraphy, 745a
comparison, Site 709, 745a
Miocene-Pliocene, 373b
Neogene, 364b-366b
- Eocene/Oligocene boundary, Madingly Rise: Site 709, 473a
- Indian ocean W equatorial
biostratigraphy
Neogene, 324b-329b
Oligocene, 322b-324b
deep- and bottom-water stratification, 336b, 340b-341b, 347b
Miocene, 342b-344b
Oligocene, 341b-342b
Pliocene, 344b-345b
deep-water fauna, 341b-342b
partitioning, 344b-345b
effects of Indian Deep-water Formation, 336b
infaunal-epifaunal index, 346b, 595b
infaunal-epifaunal ratio, 318b, 330b-331b, 343b
larger foraminifer biozones and nannofossil zones correlated, 385b
Oligocene-Pliocene, 329b-336b
ornamentation, 591b
oxic proto-NIIW fauna, 334b
oxygen isotope values, 318b, 322b
Miocene enrichment event, 322b
Pliocene glacial event, 322b

- oxygenation of intermediate waters, 331b-336b, 346b-347b
paleoclimatic events, 318b
paleoenvironmental indexes, 317b-318b, 345b-346b, 595b
proto-AABW fauna, 343b-344b
proto-IBW fauna, 345b
proto-IDW fauna, 344b
- Indian Ocean W equatorial: Site 708
biostratigraphy, 409a, 412a
redeposited, 412a
- Indian Ocean W equatorial: Site 711, 668a-669a
dissolution, 668a
- large shallow-water
Maldives Ridge: Site 714, 386b, 387b
Maldives Ridge: Site 715, 381b, 382b, 384b, 386b, 387b
- Madingly Rise: Site 709, 611b, 614b
Barbados fauna, 473a
barite, 618b
biostratigraphy, 472a-473a, 519b-520b, 526b
cadmium/calcium ratio, 616b, 618b
cadmium/calcium ratios, 612b, 616b
Car Nicobar fauna, 472a
correlation, Miocene South Atlantic and Pacific faunas, 472a
hispid uvigerinids, 742a
index faunas, 333b
insoluble residues, 618b
Miocene, 358b-360b
Miocene glacial accumulation, 472a
Miocene-Pliocene, 361b, 374b-376b
Oligocene, 340b-341b
stable isotopes, 519b-524b, 527b
- Madingly Rise: Site 710
biostratigraphy, 601a
Car Nicobar fauna, 601a
dissolution, 601a
index faunas, 333b, 339b
Neogene, 362b-363b
Oligocene, 337b
- Maldives Ridge: Site 714, 851a-852a
biostratigraphy, 854a-855a
index faunas, 333b, 339b
Neogene, 352b-356b
Oligocene-Miocene, 321b, 328b-330b
oxygen minimum zone, 855a
stable isotopes, 592b, 595b-597b
Zone P21a, 322b
- Maldives Ridge: Site 715
biostratigraphy, 384b, 924a-925a
Cuisian age fauna, 925a
Eocene, 383b
index faunas, 339b
Miocene, 346b-348b
- Maldives Ridge: Site 716, biostratigraphy, 1010a
- Mascarene Plateau, 237a
biostratigraphy, 250a-251a
depauperate fauna, 251a
Miocene, 342b-344b
Miocene proliferation, 472a
Miocene-Pleistocene, 370b-372b
Miocene-Pliocene, 357b
Oligocene, 320b, 324b-325b
proto-AAIW fauna, 334b
- miliolids, Maldives Ridge: Site 714, 855a
- Nazareth Bank
bathyal assemblage, 137a
biostratigraphy, 136a-137a
- siphoninids, Maldives Ridge: Site 714, 855a
uvigerinids, Maldives Ridge: Site 714, 855a
- Zone CN1, Maldives Ridge: Site 714, 855a
- Zones CN1-CN3, Mascarene Plateau, 324b, 339b
Zones CN1-CN7, Maldives Ridge: Site 714, 594b
Zones CN2-CN3, Mascarene Plateau, 334b
Zones CN3-CN4, Maldives Ridge: Site 714, 594b
- Zone CN4
Indian Ocean W equatorial, 345b
Maldives Ridge: Site 714, 334b, 855a
Maldives Ridge: Site 715, 324b
Mascarene Plateau, 324b, 334b
- Zone CN5, Maldives Ridge: Site 714, 855a
Zone CN7, Maldives Ridge: Site 714, 594b
- Zone CN9
Chagos Bank: Site 713, 325b
Indian Ocean W equatorial, 334b
Madingly Rise, 351b
Maldives Ridge, 325b, 351b
Mascarene Plateau, 325b, 351b
- Zones CN10-CN11
Chagos Bank: Site 713, index faunas, 369b
Indian Ocean W equatorial, 334b-335b
Madingly Rise: Site 709, 328b, 369b
Madingly Rise: Site 710, 369b
Mascarene Plateau, 328b, 369b
- Zone CN12
Indian Ocean W equatorial, 335b
Madingly Rise: Site 709, 328b-329b, 377b
Madingly Rise: Site 710, 328b-329b, 377b
Mascarene Plateau, 377b
- Zones CN12-CN19b, Chagos Bank: Site 713, 745a
- Zones CN18-CN19
Maldives Ridge, 331b-332b
Maldives Ridge: Site 714, 331b-332b
Mascarene Plateau, 331b-332b
- Zone CN19
Maldives Ridge, 332b, 334b
Mascarene Plateau, 332b, 334b
- Zone CP16, Madingly Rise, 323b
- Zones CP16-CP17, Mascarene Plateau, 322b
Zone CP18, Madingly Rise: Site 710, 323b
- Zone CP19
Madingly Rise, 323b
Maldives Ridge: Site 714, 322b
Mascarene Plateau, 322b
- Zone CP22, Maldives Ridge: Site 714, 322b
- Zone NN16, Maldives Ridge: Site 716, 1010a-1011a
- Zone P5, Mascarene Plateau, 251a
- Zone P11
Madingly Rise: Site 709, 473a
Mascarene Plateau, 251a
- Zone P16, Madingly Rise: Site 709, 473a
- Zone P20, Mascarene Plateau, 322b
- Zone P21
Madingly Rise: Site 709, index faunas, 316b
Madingly Rise: Site 710, 326b
Maldives Ridge: Site 714, 326b
Mascarene Plateau, 326b
- Zone P21a, Mascarene Plateau, 322b
Zone P22, Mascarene Plateau, 323b, 333b
- Bogorovia veniamini*, Indian Ocean W equatorial, 441b
- Bogorovia veniamini* Zone
Indian Ocean W equatorial: Site 708, 435b
Maldives Ridge: Site 715, 856a
- Bolivina*, Indian Ocean W equatorial, oxygen minima, 589b
- Bolivina aenariensis*
Indian Ocean W equatorial, 330b
Maldives Ridge: Site 714, 334b, 607b
- Bolivina alvarezii*, Maldives Ridge: Site 716, 608b
- Bolivina arta*, Maldives Ridge: Site 714, 594b
Bolivina cancellata, Maldives Ridge: Site 714, 606b
Bolivina goessi, Maldives Ridge: Site 714, 594b
Bolivina hebes, Maldives Ridge: Site 714, 594b
Bolivina huneri, Mascarene Plateau, 378b
Bolivina optima, Maldives Ridge: Site 714, 607b
Bolivina peregrina
Maldives Ridge: Site 714, 594b
Maldives Ridge: Site 716, 608b
- Bolivina pseudobeyrichi*, Maldives Ridge: Site 716, 609b
- Bolivina pseudogemma*, Maldives Ridge: Site 714, 594b
- Bolivina pseudoplicata*
Indian Ocean W equatorial: Site 708, 378b
Maldives Ridge: Site 714, 594b, 608b
- Bolivina pukeuriensis*, Maldives Ridge: Site 714, 593b, 594b, 607b
- Bolivina pulchra*, Maldives Ridge: Site 714, 594b, 609b
- Bolivina pusilla*, Maldives Ridge: Site 714, 593b, 606b
- Bolivinids
Indian Ocean W equatorial
morphology, sediment chemistry and, 590b-591b, 593b
oxygen level relationship, 330b
species variety with soil color change, 590b
- Maldives Ridge: Site 714, 323b
Miocene, 593b-595b
morphology, Neogene grouping, 593b
oxygen isotopes, abundances and, 596b-604b
Pleistocene, 594b
upwelling, 603b
- Bramletteius serraculoides*, Mascarene Plateau, 132b
- Briggera* spp., Indian Ocean W equatorial, 441b
- Buccinosphaera invaginata* Zone
Indian Ocean W equatorial: Site 711, 402b
Maldives Ridge: Site 714, 403b, 855a
- Bulimina alazanensis*, Mascarene Plateau, 378b
Bulimina jarvisi, Madingly Rise: Site 709, 379b
Bulimina macilenta, Madingly Rise: Site 709, 379b
- Bulimina mexicana*, Mascarene Plateau, 378b
Bulimina semicostata, Mascarene Plateau, 378b
Bulimina tuxpamensis, Mascarene Plateau, 251a
Buliminella sp., Madingly Rise: Site 709, 379b
- Calcareous nannofossils
Chagos Bank, biostratigraphic datum levels, 751a
- Chagos Bank: Site 712
biostratigraphy, 26a-27a, 741a, 742a
Eocene/Oligocene hiatus, 742a
Miocene hiatus, 741a
Oligocene-Pleistocene, 197b
Paleogene, 139b, 160b-161b
zonation, 28a
- Chagos Bank: Site 713, 739a
biostratigraphy, 26a-27a, 206b, 742a, 744a
Oligocene-Pleistocene, 197b
Paleogene, 140b, 162b-164b, 111b
zonation, 28a
- datum events, Indian Ocean W equatorial: Site 711, 678a
- Eocene/Oligocene boundary
Madingly Rise: Site 709, 469a
Mascarene Plateau, 248a
- Indian Ocean W equatorial
age models, 469b
biochronology, 183b
biomagnetostratigraphy, 248b

PALEONTOLOGICAL INDEX

- biostratigraphy, 178b
 Miocene, 245b, 247b-248b
 Oligocene, 238b-240b, 244b-245b
 chronostratigraphy, 178b, 183b-184b
 correlation, Geomagnetic Polarity Time Scale, 183b, 272b
 Eocene, 165b
 intersite correlation, 202b, 203b, 204b
 Miocene-Pliocene environmental evolution, 205b
 Oligocene, 165b
 Paleogene, 141b, 144b
 Paleogene zonation, 132b
 taxonomy, 238b
 zonal assignments, 133b
 zonation
 Miocene, 180b-183b
 Pleistocene, 177b, 179b-180b
 Pliocene, 177b, 179b-180b
- Indian Ocean W equatorial: Site 708
 biostratigraphic datum levels, 417a
 biostratigraphy, 26a-27a, 131b, 198b, 199b, 408a
 chronostratigraphy, 197b
 Miocene hiatus, 189b, 408a
 Oligocene-Pleistocene, 189b
 Paleogene, 135b, 144b-145b
 dissolution, 145b-147b
 Quaternary, 131b
 species diversity, temporal changes, 144b-145b, 168b
 zonation, 28a
- Indian Ocean W equatorial: Site 711
 biostratigraphy, 26a-27a, 131b, 170b, 199b, 201b, 665a, 668a
 carbonate optimum, 195b
 CCD position, 190b, 192b, 195b
 chronostratigraphy, 201b
 coccolith preservation, Miocene, 192b
 dissolution, geographic differences, 145b-147b
 interhole correlation, 200b
 magnetostratigraphic correlation, 190b
 Miocene carbonate crisis, 192b, 195b
 Oligocene-Miocene, 243b, 244b
 Oligocene-Pleistocene, 189b-190b, 192b, 195b
 Paleogene, 138b-139b, 154b-155b, 156b-158b
 preservation, 190b, 192b
 Quaternary, 131b
 reworked species, 665a
 species diversity, temporal changes, 144b-145b, 168b, 171b
 zonation, 28a
- Madingly Rise: Site 709, 465a
 biostratigraphic datum levels, 483a
 biostratigraphy, 26a-27a, 131b, 170b, 188b, 191b, 468a-469a
 chronostratigraphy, 191b
 dissolution, geographic differences, 145b-147b
 interhole correlation, 189b
 Oligocene-Miocene, 241b
 Oligocene-Pleistocene, 185b-186b, 190b
 Paleogene, 135b, 146b-147b, 148b-150b
 Quaternary, 131b
 reworked species, 468a
 species diversity, temporal changes, 144b-145b, 168b, 171b
 stratigraphic inversions, 186b, 192b
 zonation, 28a
- Madingly Rise: Site 710
 biostratigraphic datum levels, 611a
- biostratigraphy, 26a-27a, 131b, 188b-189b, 194b, 195b, 597a-600a
 chronostratigraphy, 194b
 dissolution, 600a
 dissolution, geographic differences, 145b-147b
 interhole correlation, 193b
 magnetostratigraphic correlation, 186b, 188b-189b, 271b-272b, 273b, 274b
 Miocene biochronology, revised, 272b, 274b-275b
 Oligocene-Miocene, 242b
 Oligocene-Pleistocene, 186b, 188b-189b
 Paleogene, 138b, 152b-153b
 Quaternary, 131b
 redeposition, 597a
 reworked species, 186b
 species diversity, temporal changes, 144b-145b, 168b
 stratigraphic inversions, 188b-189b, 196b
 zonation, 28a
- Maldives Ridge: Site 714
 biostratigraphic datum levels, 859a
 biostratigraphy, 26a-27a, 131b, 208b, 209b, 249b, 852a-854a
 chronostratigraphy, 208b
 Miocene, 246b
 Miocene-Pleistocene megah hiatus, 199b
 Oligocene-Miocene, 245b
 Oligocene-Pleistocene, 199b, 201b
 Paleogene, 140b, 166b-167b
 Pleistocene hiatus, 852a
 Shaw diagram, 212b
 species diversity, temporal changes, 170b, 171b
 zonation, 28a
- Maldives Ridge: Site 715
 biochronology, 203b-204b
 biostratigraphic datum levels, 928a
 biostratigraphy, 26a-27a, 131b, 210b, 211b, 922a, 924a
 Pliocene, 131b
 chronostratigraphy, 210b
 Miocene hiatus, 203b, 924a
 Oligocene-Pleistocene, 201b-204b, 206b
 Paleogene, 140b-141b
 Pleistocene hiatus, 924a
 Shaw diagram, 212b
 zonation, 28a
- Maldives Ridge: Site 716
 biostratigraphic datum levels, 1013a
 biostratigraphy, 26a-27a, 131b, 214b, 1008a, 1010a
 Oligocene-Pleistocene, 206b
 Quaternary, 131b-132b
 zonation, 28a
- Mascarene Plateau, 242a
 biostratigraphic datum levels, 263a
 biostratigraphy, 26a-27a, 131b, 187b, 244a-249a
 chronostratigraphy, 187b
 dissolution, geographic differences, 145b-147b
 Eocene hiatus, 132b
 Oligocene-Miocene, 239b
 Oligocene-Pleistocene, 185b-186b
 Paleogene, 132b, 134b, 136b-137b, 138b-140b, 142b-143b
 Quaternary, 131b
 species diversity, temporal changes, 144b-145b, 168b, 171b
 zonation, 28a
- Miocene/Pliocene boundary, 248a
 Chagos Bank: Site 712, 741a
- Chagos Bank: Site 713, 744a
 Indian Ocean W equatorial, 183b-184b
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 710, 599a-600a
 Mascarene Plateau, 246a
 Nazareth Bank
 biostratigraphic datum levels, 148a
 biostratigraphy, 26a-27a, 131b, 133a-135a
 Oligocene, 134b-135b
 Oligocene-Pleistocene, 185b-186b
 Oligocene-Pleistocene unconformity, 132a, 134a
 Paleogene, 132b
 Quaternary, 130b-131b
 zonation, 28a
- Oligocene/Miocene boundary, 184b
 Indian Ocean W equatorial, 183b, 244b, 248b
 Indian Ocean W equatorial: Site 708, 409a
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 710, 600a
 Maldives Ridge: Site 714, 852a, 853a
 Mascarene Plateau, 247a
 Paleocene/Eocene boundary, Mascarene Plateau, 134b
 Pliocene/Miocene boundary, Madingly Rise: Site 709, 468a
 Pliocene/Pleistocene boundary
 Chagos Bank: Site 713, 742a
 Indian Ocean W equatorial, 183b
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 710, 599a
 Maldives Ridge: Site 716, 1008a, 1010a
 Mascarene Plateau, 244a, 246a, 248a
 Nazareth Bank, 133a
 Serravallian/Tortonian boundary, Indian Ocean W equatorial, 184b
 small *Gephyrocapsa* Zone, 468a
 Indian Ocean W equatorial: Site 708, 408a
 Madingly Rise: Site 710, 598a-599a
 Mascarene Plateau, 245a
 Nazareth Bank, 133a
- Subzone CN5a
 Indian Ocean W equatorial: Site 708, 408a
 Maldives Ridge: Site 714, 852a
- Subzone CN5b
 Indian Ocean W equatorial, 181b
 Indian Ocean W equatorial: Site 708, 408a
 Madingly Rise: Site 709, 468a
 Maldives Ridge: Site 714, 852a
- Subzone CN9a
 Indian Ocean W equatorial, 180b
 Indian Ocean W equatorial: Site 711, 665a
 Mascarene Plateau, 247a
- Subzone CN9b
 Chagos Bank: Site 712, 741a
 Chagos Bank: Site 713, 744a
 Indian Ocean W equatorial, 180b
 Maldives Ridge: Site 716, 1010a
 Mascarene Plateau, 247a
- Subzone CN10a
 Chagos Bank: Site 712, 741a
 Madingly Rise: Site 709, 468a
- Subzone CN10b
 Chagos Bank: Site 712, 741a
 Madingly Rise: Site 709, 468a
- Subzone CN12a, Nazareth Bank, 133a-134a
 Subzone CN12c, Indian Ocean W equatorial: Site 708, 408a
 Subzone CN12d, Indian Ocean W equatorial: Site 708, 408a
 Subzone CN13b, Maldives Ridge: Site 716, 1010a
 Subzone CN14a
 Chagos Bank: Site 713, 742a

- Indian Ocean W equatorial: Site 708, 408a
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 709, 468a
 Madingly Rise: Site 710, 599a
 Maldives Ridge: Site 714, 852a
 Maldives Ridge: Site 715, 924a
 Mascarene Plateau, 245a
 Nazareth Bank, 133a
 Subzone CN14b
 Indian Ocean W equatorial: Site 708, 408a
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 710, 598a–599a
 Maldives Ridge: Site 714, 852a
 Maldives Ridge: Site 715, 924a
 Subzone CN19a, Indian Ocean W equatorial:
 Site 708, 409a
 Subzone CN19b, Indian Ocean W equatorial:
 Site 708, 409a
 Subzone CP8b, Mascarene Plateau, 249a
 Subzone CP13b, Chagos Bank: Site 713, 744a
 Subzone CP13c, Chagos Bank: Site 713, 744a
 Subzone CP14a
 Chagos Bank: Site 713, 140b
 Indian Ocean W equatorial, 141b
 Madingly Rise: Site 709, 135b
 Mascarene Plateau, 134b
 Subzone CP14b, Chagos Bank: Site 712, 742a
 Subzone CP15b, Nazareth Bank, 134b
 Subzone CP16b
 Indian Ocean W equatorial: Site 711, 665a
 Nazareth Bank, 135a
 Subzone CP16c
 Mascarene Plateau, 134b
 Nazareth Bank, 132b
 Subzone CP19a
 Chagos Bank: Site 712, 742a
 Indian Ocean W equatorial: Site 711, 665a
 Mascarene Plateau, 247a
 Subzone CP19b, Indian Ocean W equatorial:
 Site 711, 665a
 Mascarene Plateau, 247a
 Zone CN1
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 710, 600a
 Maldives Ridge: Site 714, 853a
 Maldives Ridge: Site 715, 924a
 Mascarene Plateau, 247a
 Zones CN1–CN4, Madingly Rise: Site 709,
 468a
 Zone CN1a–CN1b, Indian Ocean W equatorial:
 Site 708, 409a
 Zone CN1a/CN1b boundary, Indian Ocean W
 equatorial, 182b
 Zone CN1b/CN1c boundary, Indian Ocean W
 equatorial, 182b
 Zone CN2
 Indian Ocean W equatorial, 182b
 Indian Ocean W equatorial: Site 708, 409a
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 710, 600a
 Maldives Ridge: Site 715, 924a
 Mascarene Plateau, 247a
 Zone CN2/CN3 boundary, Indian Ocean W
 equatorial, 182b
 Zone CN3
 Indian Ocean W equatorial: Site 708, 408a–
 409a
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 710, 600a
 Maldives Ridge: Site 714, 852a
 Maldives Ridge: Site 715, 924a
 Zone CN3/CN4 boundary, Indian Ocean W
 equatorial, 181b–182b
 Zone CN4
 Chagos Bank: Site 712, 741a
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 709, 468a
 Maldives Ridge: Site 714, 852a
 Maldives Ridge: Site 715, 924a
 Mascarene Plateau, 247a, 248a
 Zone CN4/CN5 boundary, Indian Ocean W
 equatorial, 181b
 Zone CN5
 Indian Ocean W equatorial, 248b
 Madingly Rise: Site 710, 600a
 Mascarene Plateau, 247a
 Zone CN6
 Chagos Bank: Site 712, 741a
 Indian Ocean W equatorial, 181b
 Madingly Rise: Site 710, 600a
 Maldives Ridge: Site 714, 852a
 Mascarene Plateau, 247a
 Zone CN7
 Chagos Bank: Site 712, 741a
 Indian Ocean W equatorial, 181b
 Indian Ocean W equatorial: Site 708, 408a
 Madingly Rise: Site 709, 468a
 Madingly Rise: Site 710, 600a
 Maldives Ridge: Site 714, 852a
 Mascarene Plateau, 247a
 Zone CN8
 Chagos Bank: Site 712, 741a
 Indian Ocean W equatorial, 180b
 Madingly Rise: Site 710, 600a
 Maldives Ridge: Site 714, 852a
 Mascarene Plateau, 247a
 Zone CN9
 Indian Ocean W equatorial: Site 708, 408a
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 709, 468a
 Madingly Rise: Site 710, 600a
 Zone CN10
 Chagos Bank: Site 713, 744a
 Maldives Ridge: Site 716, 1010a
 Zones CN10–CN11, Mascarene Plateau, 247a
 Zone CN10/CN11 boundary, Indian Ocean W
 equatorial, 179b
 Zone CN10a/CN10b boundary, Indian Ocean W
 equatorial, 180b
 Zone CN10b/CN10c boundary, Indian Ocean W
 equatorial, 179b
 Zones CN10c–CN11, Madingly Rise: Site 710,
 600a
 Zone CN11
 Chagos Bank: Site 713, 744a
 Indian Ocean W equatorial, 179b
 Madingly Rise: Site 709, 468a
 Zones CN11–N12, Mascarene Plateau, 247a
 Zone CN11a/CN11b boundary, Indian Ocean W
 equatorial, 179b
 Zone CN12
 Chagos Bank: Site 712, 741a
 Madingly Rise: Site 709, 468a
 Mascarene Plateau, 247a
 Zone CN12/CN13 boundary, Indian Ocean W
 equatorial, 177b, 179b
 Zone CN13a/CN13b boundary, Indian Ocean W
 equatorial, 177b
 Zone CN15
 Indian Ocean W equatorial: Site 708, 408a
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 709, 468a
 Madingly Rise: Site 710, 598a
 Maldives Ridge: Site 714, 852a
 Maldives Ridge: Site 715, 924a
 Mascarene Plateau, 244a
 Nazareth Bank, 133a, 134a
 Zones CP3–CP4, Mascarene Plateau, 249a
 Zone CP7, Mascarene Plateau, 249a
 Zone CP10, Mascarene Plateau, 248a
 Zone CP11, Mascarene Plateau, 134b, 248a
 Zone CP12, Indian Ocean W equatorial: Site
 711, 668a
 Zone CP13
 Indian Ocean W equatorial: Site 711, 668a
 Madingly Rise: Site 709, 468a–469a
 Mascarene Plateau, 248a, 249a
 Zone CP14
 Chagos Bank: Site 713, 744a
 Indian Ocean W equatorial: Site 711, 139b,
 668a
 Maldives Ridge: Site 715, 924a
 Mascarene Plateau, 248a
 Zone CP15
 Madingly Rise: Site 709, 468a–469a
 Maldives Ridge: Site 715, 924a
 Mascarene Plateau, 248a
 Zones CP15–CP16, Mascarene Plateau, 248a
 Zone CP16
 Indian Ocean W equatorial: Site 711, 668a
 Madingly Rise: Site 709, 468a–469a
 Zone CP17
 Indian Ocean W equatorial, 141b
 Madingly Rise: Site 709, 468a–469a
 Madingly Rise: Site 710, 600a
 Nazareth Bank, 132b, 135a
 Zone CP18
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 709, 468a–469a
 Madingly Rise: Site 710, 600a
 Nazareth Bank, 134a, 135a
 Zones CP18–CP16, Mascarene Plateau, 247a
 Zone CP19
 Madingly Rise: Site 709, 468a
 Madingly Rise: Site 710, 600a
 Maldives Ridge: Site 714, 854a
 Zone CP19/CN1 boundary, Indian Ocean W
 equatorial, 183b
 Zone NN17, Nazareth Bank, 133a
Calcidiscus, Indian Ocean W equatorial, 215b
Calcidiscus leptoporus, Indian Ocean W equato-
 rial, 215b
Calcidiscus macintyreii
 Indian Ocean W equatorial, 215b
 first occurrence, 182b, 248b
 Indian Ocean W equatorial: Site 711, last
 occurrence, 505b
 Madingly Rise: Site 709, 468a
 Madingly Rise: Site 710, 272b
 Maldives Ridge: Site 716, last occurrence,
 1010a
 Nazareth Bank, 133a
Calcidiscus premacintyreii, Maldives Ridge: Site
 714, 235b
Callosphaera tuberosa, Maldives Ridge: Site 714,
 403b
Calocyclus bandyca Zone, Mascarene Plateau,
 401b
Calocycletta costata Zone
 Maldives Ridge: Site 714, 403b, 856a
 Maldives Ridge: Site 715, 925a
Candeina nitida
 Indian Ocean W equatorial, 795b
 Maldives Ridge: Site 715, 830b
Cassidulina crassa, Mascarene Plateau, 378b
Cassigerinella chipolensis
 Indian Ocean W equatorial, 795b
 Madingly Rise: Site 709, 311b
Cassigerinella globulosa, Mascarene Plateau,
 311b
Cassigerinella martinezpicoi, Nazareth Bank,
 311b

PALEONTOLOGICAL INDEX

- Catapsydrax dissimilis*
Indian Ocean W equatorial, 300b, 795b
Madingly Rise: Site 709, 830b
Mascarene Plateau, 830b
- Catapsydrax stainforthi*
Indian Ocean W equatorial, 795b
Mascarene Plateau, 830b
- Catinaster calyculus*
Indian Ocean W equatorial, 181b
Indian Ocean W equatorial: Site 708, 408a
Madingly Rise: Site 709, 468a
Maldives Ridge: Site 714, 227b
- Catinaster coalitus*
Indian Ocean W equatorial, 181b
Indian Ocean W equatorial: Site 708, 408a
Madingly Rise: Site 709, 468a
Madingly Rise: Site 710, 227b
Maldives Ridge: Site 714, 853a
Mascarene Plateau, 247a
first occurrence, 505b
- Ceratobulimina pacifica*–*Bulimina aculeata* association, Maldives Ridge: Site 715, 925a
- Ceratolithids, Indian Ocean W equatorial, 216b
- Ceratalithus acutus*
Indian Ocean W equatorial: Site 711, 665a
Madingly Rise: Site 709, 468a
Madingly Rise: Site 710, 230b
Maldives Ridge: Site 716, 1008a, 1010a
Mascarene Plateau, 246a–247a
- Ceratalithus acutus*–*Ceratalithus rugosus* intergrade, Madingly Rise: Site 710, 230b
- Ceratalithus armatus*, Indian Ocean W equatorial: Site 711, 230b
- Ceratalithus cristatus*
Indian Ocean W equatorial, 216b
Madingly Rise: Site 710, 230b
- Ceratalithus primus*, Indian Ocean W equatorial: Site 708, 408a
- Ceratalithus rugosus*
Indian Ocean W equatorial, 216b
first occurrence, 179b
Madingly Rise: Site 710, 230b
first occurrence, 272b, 728b
Maldives Ridge: Site 716, 1008a
Mascarene Plateau, 247a
- Ceratalithus rugosus*–*Ceratalithus armatus* intergrade, Madingly Rise: Site 710, 230b
- Ceratalithus telesmus*, Madingly Rise: Site 710, 230b
- Ceratalithus tricorniculatus*, Indian Ocean W equatorial, last occurrence, 179b
- Cesrodiscus convexus*, Indian Ocean W equatorial, 441b
- Cestodiscus demergitus*, Indian Ocean W equatorial, 441b
- Cestodiscus gemmifer*
Indian Ocean W equatorial, 441b
Mascarene Plateau, 459b
- Cestodiscus mukhinae*, Indian Ocean W equatorial, 441b
- Cestodiscus reticulatus* Zone, Indian Ocean W equatorial, 434b
- Cestodiscus* sp.
Indian Ocean W equatorial, 442b
Maldives Ridge: Site 714, 459b
- Cestodiscus* spp., Indian Ocean W equatorial, 434b
- Chaetoceros asymmetricus*, Indian Ocean W equatorial, 434b–435b, 442b
- Chaetoceros asymmetricus*, sp. nov.
Mascarene Plateau, 463b
Site 369, 463b
- Chaetoceros* sp.
Indian Ocean W equatorial, 442b
- Mascarene Plateau, 463b
- Chiasmolithus gigas*
Chagos Bank: Site 713, 742a, 744a
Indian Ocean W equatorial: Site 711, 668a
Madingly Rise: Site 709, 469a
Mascarene Plateau, 248a
- Chiasmolithus grandis*
Indian Ocean W equatorial, last occurrence, 141b
Indian Ocean W equatorial: Site 711, 668a
Mascarene Plateau, 248a
- Chiasmolithus solitus*
Indian Ocean W equatorial, 141b
Madingly Rise: Site 709, 469a
- Chiasmolithus titus*
Madingly Rise: Site 709, last occurrence, 135b
Mascarene Plateau, last occurrence, 132b, 134b
- Chilogrammina* sp., Maldives Ridge: Site 715, 392b
- Cibicides*, Maldives Ridge: Site 714, *Cibicides-Uvigerina* differential, 603b
- Cibicides wuellerstorfi*, Maldives Ridge: Site 714, carbon isotopes, 597b
- Cibicoides*
Madingly Rise: Site 709, 519b
stable isotopes, 525b, 527b, 528b, 530b
- Cibicoides havanensis*, Madingly Rise: Site 709, 379b
- Cibicoides kullenbergi*
Indian Ocean W equatorial, 341b
Madingly Rise: Site 709, stable isotopes, 521b–524b, 530b
- Cibicoides lamontdohertyi*, Madingly Rise: Site 709, stable isotopes, 530b
- Cibicoides praemundulus*, Maldives Ridge: Site 714, 332b
- Cibicoides wuellerstorfi*, Madingly Rise: Site 709, stable isotopes, 530b
- Clausicoccus fenestratus*
Indian Ocean W equatorial, 238b
last occurrence, 244b
Madingly Rise: Site 710, 253b
- Clavatorella bermudezi*
Indian Ocean W equatorial, 795b
Madingly Rise: Site 709, 835b
Maldives Ridge: Site 714, 835b
- Clavicula* spp., Indian Ocean W equatorial, 442b
- Clavigerinella eocanica jarvisi*, Indian Ocean W equatorial, 301b
- Coecolithophores, Mascarene Plateau, 237a
- Coccolithus miopelagicus*, Maldives Ridge: Site 714, 226b
- Coccolithus pelagicus*, Indian Ocean W equatorial: Site 708, 145b
- Coccolithus* sp.
Indian Ocean W equatorial, 151b
Madingly Rise: Site 709, 172b
- Cocconeis* sp., Mascarene Plateau, 460b
- Cocconeis* spp., Indian Ocean W equatorial, 442b
- Collospiraera tuberosa* Zone, Maldives Ridge: Site 714, 855a
- Coronocyclus nitescens*
Indian Ocean W equatorial, 181b
last occurrence, 248b
Maldives Ridge: Site 714, 254b
- Coscinodiscus argus*, Indian Ocean W equatorial, 443b
- Coscinodiscus excavatus*, Indian Ocean W equatorial, 443b
- Coscinodiscus excavatus* Zone, Indian Ocean W equatorial, 434b
- Coscinodiscus extravagans*, Indian Ocean W equatorial, 443b
- Coscinodiscus gigas diorama* Zone
- Indian Ocean W equatorial, 419b
Maldives Ridge: Site 714, 417b
- Coscinodiscus grossheimii*, Indian Ocean W equatorial, 443b
- Coscinodiscus hajosiae*, Indian Ocean W equatorial, 443b
- Coscinodiscus lewisianus*, Indian Ocean W equatorial, 443b
- Coscinodiscus marginatus*
Indian Ocean W equatorial, 417b, 419b, 443b
Maldives Ridge: Site 714, 426b, 429b, 595b, 598b, 603b, 604b
- Coscinodiscus nodulifer*, Indian Ocean W equatorial, 443b
- Coscinodiscus oligocenicus* Indian Ocean W equatorial, 443b
- Coscinodiscus radiatus*, Indian Ocean W equatorial, 443b
- Coscinodiscus rhombicus*, Indian Ocean W equatorial, 443b
- Coscinodiscus* sp., Indian Ocean W equatorial: Site 711, 459b
- Coscinodiscus yabei*, Indian Ocean W equatorial: Site 708, 415b
- Coscinodiscus yabei* Zone
Indian Ocean W equatorial, 417b
Indian Ocean W equatorial: Site 708, 413a
Maldives Ridge: Site 714, 417b, 856a
- Craspedodiscus coscinodiscus*, Indian Ocean W equatorial, 443b
- Craspedodiscus coscinodiscus* Zone
Indian Ocean W equatorial, 419b
Maldives Ridge: Site 714, 856a
- Craspedodiscus oblongus*, Indian Ocean W equatorial, 443b
- Craspedodiscus umbonatus*
Chagos Bank: Site 713, 461b
Indian Ocean W equatorial, 443b
- Crassidiscus backmanii* n. sp.
Indian Ocean W equatorial, 147b
Indian Ocean W equatorial: Site 711, 138b, 151b
Madingly Rise: Site 709, 135b, 151b, 174b
Madingly Rise: Site 710, 151b, 172b
Maldives Ridge: Site 714, 140b, 151b
Mascarene Plateau, 132b
Mascarene Plateau: Site 707, 151b
- Crassidiscus* n. gen., Indian Ocean W equatorial, 151b
- Cribocentrum reticulatum*
Indian Ocean W equatorial: Site 711, 668a
Madingly Rise: Site 709, 469a
- Cribohantkenina inflata*
Indian Ocean W equatorial, 301b
Madingly Rise: Site 709, 311b
- Cruciplacolithus* spp., Indian Ocean W equatorial, 151b
- Cruciplacolithus staurion*, Indian Ocean W equatorial, last occurrence, 144b
- Cruciplacolithus subrotundus*, Mascarene Plateau, 134b
- Cruciplacolithus tarquinius*
Indian Ocean W equatorial, 151b
Nazareth Bank, 172b
- Cyclicargolithus abisectus*
Indian Ocean W equatorial, 238b, 239b–240b
Madingly Rise: Site 710, 253b
- Cyclicargolithus floridanus*
Indian Ocean W equatorial, 191b
last occurrence, 247b–248b
Madingly Rise: Site 710, 274b
Mascarene Plateau, 247a
Nazareth Bank, 134a, 135a
- Cyrtocapsella tetrapera* Zone
Indian Ocean W equatorial: Site 708, 401b, 412a

- Madingly Rise: Site 710, 402b
Maldives Ridge: Site 714, 403b, 856a
- Denticulopsis hustedii*, Maldives Ridge: Site 714, 419b
- Dentoglobigerina altispira*
Chagos Bank: Site 713, 744a
Indian Ocean W equatorial: Site 708, 409a
Nazareth Bank, 136a
- Dentoglobigerina altispira altispira*
Indian Ocean W equatorial, 796b
Mascarene Plateau, 835b
- Dentoglobigerina altispira globosa*
Indian Ocean W equatorial, 796b
Mascarene Plateau, 835b
- Dentoglobigerina galavisi*, Indian Ocean W equatorial, 796b
- Dentoglobigerina globularis*
Indian Ocean W equatorial, 796b
Mascarene Plateau, 835b
- Destodiscus reticulatus* Zone, Indian Ocean W equatorial, 434b-435b
- Dextradonator eximius*
Chagos Bank: Site 713, 460b
Indian Ocean W equatorial, 443b
Mascarene Plateau, 460b
- Diartus hughesi*, Indian Ocean W equatorial, 404b
- Diartus petterssoni* Zone
Madingly Rise: Site 710, 602a
Maldives Ridge: Site 714, 403b, 855a
- Diatoms
Chagos Bank, biostratigraphic datum levels, 751a
Chagos Bank: Site 712
biostratigraphy, 29a, 32a, 416b, 746a
Paleogene, 437b
zonation, 33a-34a
Chagos Bank: Site 713, 417b
biostratigraphy, 29a, 32a, 416b, 746a
Paleogene, 437b, 452b
preservation, 434b
zonation, 33a-34a
Indian Ocean W equatorial
abundance and paleoproductivity, 425b
benthic vs. freshwater, 425b
biostratigraphy, 417b, 419b-423b
Cenozoic zonation, 412b, 413b
correlation, calcareous nannofossil Zones, 434b
deep-sea hiatuses, 423b-424b
dissolution interval, 424b
high-fertility belt, 427b, 429b-430b
indicator species, 458b
Neogene paleoceanography, 317b, 425b-430b
paleoecology, 435b, 437b-439b
Paleogene, 428b, 435b
paleomagnetic correlation, 419b
productivity
oceanographic changes and, 426b
plate tectonics and, 430b
stratigraphy, 434b-435b
turbiditic sediments, 439b
zonation, 414b-415b
Indian Ocean W equatorial: Site 708, 415b
biostratigraphic datum levels, 417a
biostratigraphy, 29a, 32a, 412a, 416b
high-fertility belt, 429b
Paleogene, 436b, 438b-442b
zonation, 33a-34a
Indian Ocean W equatorial: Site 711, 415b
biostratigraphy, 29a, 32a, 416b, 669a
Paleogene, 436b-437b, 444b-448b
stratigraphic ranges, 457b
zonation, 33a-34a
- Madingly Rise: Site 709, 415b
biostratigraphic datum levels, 483a
biostratigraphy, 29a, 32a, 416b, 474a
freshwater, 439b
high-fertility belt, 429b
Paleogene, 436b, 444b-448b
stratigraphic ranges, 423b, 457b
zonation, 33a-34a
Madingly Rise: Site 710, 415b
biostratigraphic datum levels, 421b, 611a
biostratigraphy, 416b, 602a
Paleogene, 436b, 444b-448b
zonation, 33a-34a
Madingly Rise: Site 712, 415b, 417b
Maldives Ridge: Site 714, 417b
abundance fluctuations, 595b
biostratigraphic datum levels, 859a
biostratigraphy, 29a, 32a, 416b, 856a
carbon isotopes, abundances and, 603b
freshwater, 439b
high-fertility belt, 429b-430b
Paleogene, 437b, 452b-456b
stratigraphic range, 424b
zonation, 33a-34a
Maldives Ridge: Site 715, 417b
biostratigraphy, 29a, 32a, 416b, 925a
high-fertility belt, 429b-430b
Paleogene, 437b
zonation, 33a-34a
Maldives Ridge: Site 716, 417b
biostratigraphy, 29a, 32a, 416b, 1011a
zonation, 33a-34a
Mascarene Plateau, 413b-415b
biostratigraphic datum levels, 263a
biostratigraphy, 29a, 32a, 252a, 416b
freshwater, 439b
Paleogene, 436b, 438b
preservation, 434b
productivity, reduced Miocene signal, 427b
stratigraphic ranges, 457b
zonation, 33a-34a
Nazareth Bank, 412b-413b
biostratigraphy, 29a, 32a, 137a, 416b
Paleogene, 436b, 438b
zonation, 33a-34a
- Dicladopsis* sp., Mascarene Plateau, 463b
- Dictyococcites antarcticus*, Indian Ocean W equatorial, 181b
- Dictyococcites bisectus*
Indian Ocean W equatorial, last occurrence, 183b, 244b
Indian Ocean W equatorial: Site 711, 253b
Madingly Rise: Site 710, 253b
Mascarene Plateau, last occurrence, 247a
- Dictyococcites* spp.
Indian Ocean W equatorial, 181b
Maldives Ridge: Site 714, 235b
- Dictyoprora mongolfieri* Zone
Chagos Bank, 403b
Chagos Bank: Site 713, 746a
Indian Ocean W equatorial: Site 711, 669a
- Dictyoprora pirum*, Nazareth Bank, 137a
- Didymocyrtis antepenultima* Zone
Chagos Bank, 403b
Chagos Bank: Site 712, 745a
Indian Ocean W equatorial: Site 708, 401b, 412a
Madingly Rise: Site 710, 601a-602a
Maldives Ridge: Site 714, 403b, 855a
Mascarene Plateau, 252a
- Didymocyrtis penultima*, Mascarene Plateau, 252a
- Didymocyrtis penultima* Zone
Chagos Bank, 403b
Chagos Bank: Site 712, 745a
Chagos Bank: Site 713, 746a
- Indian Ocean W equatorial: Site 708, 412a
Madingly Rise: Site 709, 473a
Madingly Rise: Site 710, 601a
- Diploneis* spp., Indian Ocean W equatorial, 443b
- Discoaster adamanteus*, Indian Ocean W equatorial, 213b
- Discoaster asymmetricus*
Indian Ocean W equatorial, first occurrence, 179b
Mascarene Plateau, 247a
- Discoaster aulakos*, Indian Ocean W equatorial, 213b
- Discoaster barbadiensis*
Indian Ocean W equatorial, last occurrence, 141b
Mascarene Plateau, last occurrence, 506b
- Discoaster bellus*
Indian Ocean W equatorial, 180b, 211b
Maldives Ridge: Site 714, 222b
- Discoaster bellus* Subzone, Indian Ocean W equatorial, 180b
- Discoaster bellus-Discoaster berggrenii* intergrade, Madingly Rise: Site 710, 223b
- Discoaster berggrenii*
Indian Ocean W equatorial, 211b
first occurrence, 180b
Madingly Rise: Site 710, 223b
- Discoaster berggrenii-Discoaster quinquaramus* intergrade, Madingly Rise: Site 710, 223b
- Discoaster bifax*
Chagos Bank: Site 713, last occurrence, 140b
Indian Ocean W equatorial, 141b, 144b
Indian Ocean W equatorial: Site 711, 140b
Madingly Rise: Site 709, 135b
- Discoaster bollii*, Madingly Rise: Site 710, 227b
- Discoaster braarudi*, Indian Ocean W equatorial, 211b
- Discoaster brouweri*
Indian Ocean W equatorial, 211b
Madingly Rise: Site 709, 468a
Madingly Rise: Site 710, 224b
last occurrence, 505b
Maldives Ridge: Site 714, 224b
Nazareth Bank, 133a
- Discoaster calcaris*
Indian Ocean W equatorial, 211b
Madingly Rise: Site 710, 226b
Maldives Ridge: Site 714, 226b
- Discoaster deflandrei*
acme, Indian Ocean W equatorial, 181b-182b
Indian Ocean W equatorial: Site 711, 231b
Mascarene Plateau, 247a
- Discoaster deflandrei* group, Indian Ocean W equatorial, 182b, 214b
- Discoaster diastypus*, Mascarene Plateau, first occurrence, 134b
- Discoaster dilatus-D. extensus* group
Indian Ocean W equatorial, 213b
Indian Ocean W equatorial: Site 711, 232b
- Discoaster druggii*
Indian Ocean W equatorial, 213b
first occurrence, 182b
Indian Ocean W equatorial: Site 711, 232b, 665a
Madingly Rise: Site 710, 231b, 232b, 272b
first occurrence, 275b
- Discoaster exilis*
Indian Ocean W equatorial, 182b
Maldives Ridge: Site 714, 226b
- Discoaster formosus*
Indian Ocean W equatorial, 213b, 214b
Indian Ocean W equatorial: Site 711, 231b
- Discoaster hamatus*
Indian Ocean W equatorial, 181b, 184b, 211b
last occurrence, 180b

PALEONTOLOGICAL INDEX

- Indian Ocean W equatorial: Site 708, 408a
Madingly Rise: Site 709, 468a
Madingly Rise: Site 710, 217b, 272b, 274b
Maldives Ridge: Site 714, 222b, 853a
Mascarene Plateau, 247a
- Discoaster hamatus*–*Discoaster bellus* intergrade,
Madingly Rise: Site 710, 222b
- Discoaster intercalaris*, Indian Ocean W equatorial, 211b
- Discoaster kugleri*
Indian Ocean W equatorial, 211b
first occurrence, 181b, 248b
Maldives Ridge: Site 714, 227b
- Discoaster lodoensis* Zone, Maldives Ridge: Site 715, 386b
- Discoaster loeblichii*, Indian Ocean W equatorial, 180b
- Discoaster moorei*
Indian Ocean W equatorial, 211b
Indian Ocean W equatorial: Site 711, 232b
Madingly Rise: Site 710, 223b
- Discoaster musicus*
Indian Ocean W equatorial, 211b
Madingly Rise: Site 710, 232b
Maldives Ridge: Site 714, 227b
- Discoaster neohamatus*
Indian Ocean W equatorial, 211b
Indian Ocean W equatorial: Site 708, 408a
Madingly Rise: Site 710, 224b
Maldives Ridge: Site 714, 224b
- Discoaster neorectus* Subzone, Indian Ocean W equatorial, 180b
- Discoaster pansus*, Madingly Rise: Site 710, 225b
- Discoaster pentaradiatus*
Indian Ocean W equatorial, 179b, 180b, 211b
Indian Ocean W equatorial: Site 708, 408a
Madingly Rise: Site 709, 468a
Madingly Rise: Site 710, 223b
Nazareth Bank, 133a
- Discoaster prepentaradiatus*
Indian Ocean W equatorial, 211b
Madingly Rise: Site 710, 223b
Maldives Ridge: Site 714, 223b
- Discoaster pseudovariabilis*
Madingly Rise: Site 710, 225b
Maldives Ridge: Site 714, 225b
- Discoaster quinqueramus*
Indian Ocean W equatorial, 211b
first occurrence, 180b
last occurrence, 180b, 184b
Indian Ocean W equatorial: Site 708, 408a
last occurrence, 505b
Indian Ocean W equatorial: Site 711, 223b, 665a
Madingly Rise: Site 709, 468a
Madingly Rise: Site 710, 223b, 272b
first occurrence, 274b, 728b
last occurrence, 274b
Mascarene Plateau, 247a
- Discoaster saipanensis*
Indian Ocean W equatorial, last occurrence, 141b
Madingly Rise: Site 709, 469a
Mascarene Plateau, 248a
last occurrence, 132b, 134b
- Discoaster signus*
Indian Ocean W equatorial, 211b
Indian Ocean W equatorial: Site 711, 231b
- Discoaster* sp.
Indian Ocean W equatorial, 211b
Madingly Rise: Site 710, 223b, 224b
- Discoaster subsurculus*, Maldives Ridge: Site 714, 227b
- Discoaster surculus*
Indian Ocean W equatorial, 179b
- Indian Ocean W equatorial: Site 711, 225b
Madingly Rise: Site 710, 225b
- Discoaster tamalis*
Indian Ocean W equatorial, last occurrence, 179b
Madingly Rise: Site 709, 468a
Madingly Rise: Site 710, last occurrence, 505b
Nazareth Bank, 133a–134a
- Discoaster tuberi*, Indian Ocean W equatorial, 211b
- Discoaster variabilis*, Madingly Rise: Site 710, 225b
- Discoaster variabilis* group, Indian Ocean W equatorial, 182b
- Discoaster woodringii*
Indian Ocean W equatorial: Site 711, 232b
Madingly Rise: Site 710, 232b
- Discoaster woodringii* group, Indian Ocean W equatorial, 214b
- Discoasterids
Indian Ocean W equatorial
five-bifurcating ray, 211b
five-point ray, 209b
Miocene-Pliocene, 209b
six-bifurcating ray, 211b
six-pointed ray, 211b
six-rayed with large central area, 211b
- Discocyclusina douvillei*, Indian Ocean W equatorial, 387b
- Discocyclusina sella*
Indian Ocean W equatorial, 387b
Maldives Ridge: Site 715, 390b, 391b
- Discocyclusina* sp., Maldives Ridge: Site 715, 389b, 390b
- Discorbis subvillardebouanus*, Mascarene Plateau, 251a
- Dorcadospyrus alata* Zone, Maldives Ridge: Site 714, 403b, 856a
- Dorcadospyrus atuechus* Zone
Indian Ocean W equatorial: Site 708, 401b, 412a
Madingly Rise: Site 709, 402b, 474a
Madingly Rise: Site 710, 402b, 602a
- Emiliania huxleyi*
Indian Ocean W equatorial: Site 708, 408a
Indian Ocean W equatorial: Site 711, 665a
Madingly Rise: Site 709, 468a
Madingly Rise: Site 710, 598a
Maldives Ridge: Site 715, 924a
Maldives Ridge: Site 716, 1008a, 1010a
first occurrence, 581b
Mascarene Plateau, 244a
Nazareth Bank, 133a, 134a, 143a
- Endictya robustus*, Indian Ocean W equatorial, 443b
- Entogonia* sp., Chagos Bank: Site 713, 461b
- Entogonia* spp., Indian Ocean W equatorial, 443b
- Epistominella exigua*, Indian Ocean W equatorial, 335b
- Ericsonia formosa*
Mascarene Plateau, last occurrence, 132b, 134b
Nazareth Bank, 134a, 135a
last occurrence, 132b
- Ericsonia obruta*
Indian Ocean W equatorial, 141b
Mascarene Plateau, 132b
- Ericsonia subdisticha*
Indian Ocean W equatorial, 141b
Indian Ocean W equatorial: Site 708, 145b
Indian Ocean W equatorial: Site 711, 668a
Nazareth Bank, 135a
- Ethmodiscus rex*, Indian Ocean W equatorial, 424b–425b
- Ethmodiscus* spp., Indian Ocean W equatorial, 443b
- Fabiania* sp.
Indian Ocean W equatorial, 387b
Maldives Ridge: Site 714, 393b
- Fasciolites dainelli* Biozone, Maldives Ridge: Site 715, 925a
- Florisphaera profunda*, Maldives Ridge: Site 716, 131b–132b
- Gaudryina pyramidata*, Indian Ocean W equatorial: Site 711, 379b
- Geminilithella rotula*, Maldives Ridge: Site 714, 235b
- Gephyrocapsa*
Madingly Rise: Site 709
Assemblages A through G, 265b, 266b
classification of taxa, 255b–259b
correlation, existing taxonomy and biostratigraphy, 262b–264b
correlation, Pacific Ocean, 265b
large group, 258b–259b, 266b
morphometry, temporal changes, 256b, 257b–261b, 262b, 264b–265b
small group, 256b, 258b–259b, 263b–264b, 266b
small vs. large forms, size definition, 264b
Subassemblages D1–D2, 265b
- Gephyrocapsa caribbeanica*
Mascarene Plateau, 245a
Nazareth Bank, 134a
- Gephyrocapsa caribbeanica* complex, Madingly Rise: Site 709, classification, 262b–263b
- Gephyrocapsa oceanica*
Chagos Bank: Site 712, 741a
Chagos Bank: Site 713, 742a
Indian Ocean W equatorial: Site 708, 408a
Madingly Rise: Site 709, 468a
Maldives Ridge: Site 714, 852a
Maldives Ridge: Site 716, first occurrence, 1008a, 1010a
Mascarene Plateau, 245a
Nazareth Bank, 133a
- Gephyrocapsa protohuxleyi*
Indian Ocean W equatorial, stratigraphic occurrences, 263b
Madingly Rise: Site 709, 256b, 266b, 267b
morphometric changes, 260b
- Gephyrocapsa protohuxleyi* complex, Madingly Rise: Site 709, morphotypes, 262b
- Gephyrocapsa* sp., Madingly Rise: Site 709, 267b, 270b
- Gephyrocapsids, Indian Ocean W equatorial, 214b
- Globigerina ampliapertura*, Nazareth Bank 312b
- Globigerina angulissuturalis*, Indian Ocean W equatorial, 796b
- Globigerina angustiumbilitata*, Indian Ocean W equatorial, 796b
- Globigerina bulloides*
Indian Ocean W equatorial, 796b
Maldives Ridge: Site 716, 583b, 584b, 585b, 587b
- Globigerina ciperoensis*, Indian Ocean W equatorial, 796b
- Globigerina euapertura*, Indian Ocean W equatorial, 796b
- Globigerina falconensis*, Maldives Ridge: Site 716, 587b
- Globigerina praebulloides*, Indian Ocean W equatorial, 796b
- Globigerina quinqueloba*, Indian Ocean W equatorial, 796b
- Globigerina tapuriensis*, Mascarene Plateau, 250a

- Globigerina woodi*
Indian Ocean W equatorial, 302b
Madingly Rise: Site 709, 313b
- Globigerinata glutinata*, Maldives Ridge: Site 716, 583b, 584b, 587b
- Globigerinarella insueta*
Indian Ocean W equatorial, 796b
Madingly Rise: Site 709, 830b
- Globigerinatheka index*, Madingly Rise: Site 709, 311b
- Globigerinatheka luterbacheri*, Madingly Rise: Site 709, 312b
- Globigerinatheka semiinvoluta*, Madingly Rise: Site 709, 312b
- Globigerinatheka senni*, Maldives Ridge: Site 715, 393b
- Globigerinatheka tropicalis*, Madingly Rise: Site 709, 311b
- Globigerinella adamsi*
Indian Ocean W equatorial, 796b
Nazareth Bank, 830b
- Globigerinella calida*
Indian Ocean W equatorial, 796b
Maldives Ridge: Site 715, 830b
- Globigerinella praesiphonifera*, Indian Ocean W equatorial, 796b
- Globigerinella siphonifera*
Indian Ocean W equatorial, 796b
Nazareth Bank, 830b
- Globigerinella* sp., Madingly Rise: Site 709, 314b
- Globigerinita glutinata*
Indian Ocean W equatorial, 796b
Maldives Ridge: Site 716, 585b
Mascarene Plateau, 830b
- Globigerinita juvenilis*, Indian Ocean W equatorial, 302b
- Globigerinoides altiaperturae*
Indian Ocean W equatorial, 796b
Mascarene Plateau, 830b
- Globigerinoides bisphericus*, Indian Ocean W equatorial, 796b
- Globigerinoides conglobatus*
Indian Ocean W equatorial, 796b
Nazareth Bank, 830b
- Globigerinoides diminutus*
Indian Ocean W equatorial, 796b
Mascarene Plateau, 830b
- Globigerinoides elongatus*
Indian Ocean W equatorial, 800b
Mascarene Plateau, 830b
Nazareth Bank, 830b
- Globigerinoides fistulosus*
Chagos Bank: Site 713, co-occurrence,
Globorotalia truncatulinoides, 744a
Indian Ocean W equatorial, 800b
Indian Ocean W equatorial: Site 708, 409a
Mascarene Plateau, 831b
Nazareth Bank, 136a, 831b
- Globigerinoides mitra*
Indian Ocean W equatorial, 800b
Maldives Ridge: Site 714, 831b
- Globigerinoides obliquus extremus*
Indian Ocean W equatorial, 800b
Mascarene Plateau, 831b
- Globigerinoides obliquus obliquus*
Indian Ocean W equatorial, 800b
Maldives Ridge: Site 716, 831b
Mascarene Plateau, 831b
- Globigerinoides primordius*
Indian Ocean W equatorial, 800b
Mascarene Plateau, 831b
- Globigerinoides quadrilobatus*, Indian Ocean W equatorial, 800b
- Globigerinoides quadrilobatus sacculifer*
Madingly Rise: Site 709, 831b
Mascarene Plateau, 831b
- Globigerinoides quadrilobatus trilobus*
Madingly Rise: Site 709, 831b
Maldives Ridge: Site 714, 831b
- Globigerinoides ruber*
Indian Ocean W equatorial, 800b
Madingly Rise: Site 709, 613b
oxygen isotope stratigraphy, 529b, 530b-534b, 535b, 537b, 538b, 617b, 618b
Maldives Ridge: Site 716, 583b, 584b, 587b
Mascarene Plateau, 831b
Nazareth Bank, 136a
- Globigerinoides sacculifer*
Madingly Rise: Site 709, 613b
oxygen isotope stratigraphy, 529b, 530b-534b, 535b, 536b, 537b, 538b, 618b
Maldives Ridge: Site 716, 583b, 584b, 585b, 587b
oxygen isotope stratigraphy, 544b
stable isotopes, 580b
- Globigerinoides tosaensis*, Nazareth Bank, 136a
- Globocassidulina subglobosa*
Indian Ocean W equatorial
large vs. small, 319b
carbonate saturation and, 318b
Madingly Rise: Site 709, 472a
- Globoquadrina baroemoenensis*
Indian Ocean W equatorial, 802b
Maldives Ridge: Site 714, 835b
Mascarene Plateau, 835b
- Globoquadrina binaiensis*
Indian Ocean W equatorial, 802b
Maldives Ridge: Site 714, 835b
Mascarene Plateau, 835b
- Globoquadrina conglomerata*
Indian Ocean W equatorial, 802b
Nazareth Bank, 835b
- Globoquadrina dehiscens*
Indian Ocean W equatorial, 279b, 802b
Mascarene Plateau, 835b
- Globoquadrina dutertrei*, Maldives Ridge: Site 716, 583b
- Globoquadrina praedeheiscens*
Indian Ocean W equatorial, 802b
Madingly Rise: Site 709, 835b
- Globoquadrina praedeheiscens/G. dehiscens*, Mascarene Plateau, 314b
- Globoquadrina sellii*
Indian Ocean W equatorial, 802b
Madingly Rise: Site 709, 835b
Nazareth Bank, 280b
- Globoquadrina tapuriensis*, Madingly Rise: Site 709, 312b
- Globoquadrina tripartita*, Indian Ocean W equatorial, 802b
- Globoquadrina venezuelana*
Indian Ocean W equatorial, 802b
Mascarene Plateau, 835b
- Globorotalia archaeomenardii*, Indian Ocean W equatorial, 802b
- Globorotalia crassaformis*
Indian Ocean W equatorial, 802b
Maldives Ridge: Site 716, coiling direction, 581b
Mascarene Plateau, 834b
- Globorotalia dutertrei*, Maldives Ridge: Site 716, 584b, 587b
- Globorotalia fohsi fohsi*
Indian Ocean W equatorial, 802b
Mascarene Plateau, 833b
- Globorotalia fohsi lobata*
Indian Ocean W equatorial, 802b
Mascarene Plateau, 833b
- Globorotalia fohsi robusta*, Indian Ocean W equatorial, 802b
- Globorotalia inflata*, Indian Ocean W equatorial, 802b
- Globorotalia juanai*, Indian Ocean W equatorial, 802b
- Globorotalia kugleri*
Indian Ocean W equatorial, 802b
Madingly Rise: Site 709, 313b
Mascarene Plateau, 249a
- Globorotalia limbata*
Indian Ocean W equatorial, 802b-803b
Mascarene Plateau, 249a, 833b
Nazareth Bank, 833b
- Globorotalia margaritae*
Indian Ocean W equatorial, 803b
Mascarene Plateau, 834b
- Globorotalia mayeri-Globorotalia siakensis*, Indian Ocean W equatorial, 803b
- Globorotalia menardii*
Indian Ocean W equatorial, 803b
Madingly Rise: Site 709, 469a, 613b
oxygen isotopes, 618b
Maldives Ridge: Site 715, 924a
Maldives Ridge: Site 716, 583b, 584b, 587b
fragmentation, 584b
preservation, 580b, 582b
Mascarene Plateau, 833b
Nazareth Bank, 833b
- Globorotalia menardii fimbriata*, Maldives Ridge: Site 714, 833b
- Globorotalia miozea*
Indian Ocean W equatorial, 803b
Mascarene Plateau, 834b
- Globorotalia obesa*, Indian Ocean W equatorial, 303b
- Globorotalia obesa/Globigerinella praesiphonifera*, Madingly Rise: Site 709, 314b
- Globorotalia opima nana*, Indian Ocean W equatorial, 803b
- Globorotalia peripheroacuta*, Indian Ocean W equatorial, 803b
- Globorotalia peripheroronda*, Indian Ocean W equatorial, 803b
- Globorotalia plesiotumida*
Indian Ocean W equatorial, 803b
Madingly Rise: Site 710, 600a-601a
Mascarene Plateau, 249a
- Globorotalia praefohsi*
Indian Ocean W equatorial, 803b
Maldives Ridge: Site 714, 831b
- Globorotalia praemenardii*, Indian Ocean W equatorial, 803b
- Globorotalia praescitula*, Indian Ocean W equatorial, 803b
- Globorotalia pseudokugleri*
Indian Ocean W equatorial, 803b
Madingly Rise: Site 709, 313b
- Globorotalia pseudokugleri/G. kugleri* transition,
Madingly Rise: Site 709, 313b
- Globorotalia ruber*, Maldives Ridge: Site 716, pink, 581b
- Globorotalia scitula*, Indian Ocean W equatorial, 803b
- Globorotalia theyeri*
Indian Ocean W equatorial, 803b
Maldives Ridge: Site 715, 834b
- Globorotalia tosaensis*
Indian Ocean W equatorial, 803b
Mascarene Plateau, 249a
- Globorotalia truncatulinoides*
Chagos Bank: Site 713, co-occurrence,
Globigerinoides fistulosus, 744a

PALEONTOLOGICAL INDEX

- Indian Ocean W equatorial, 803b
 Maldives Ridge: Site 716, 584b, 585b
 Nazareth Bank, 834b
- Globorotalia tumida*
 Chagos Bank: Site 713, 744a
 Indian Ocean W equatorial: Site 708, 409a
 Madingly Rise: Site 709, 469a
 Maldives Ridge: Site 715, 924a
 Mascarene Plateau, 249a
- Globorotalia tumida flexuosa*
 Indian Ocean W equatorial, 803b
 Madingly Rise: Site 709, 834b
- Globorotalia tumida tumida*
 Indian Ocean W equatorial, 803b
 Nazareth Bank, 834b
- Globorotalia unguata*
 Indian Ocean W equatorial, 803b
 Nazareth Bank, 834b
- Globorotaloides hexagona*
 Indian Ocean W equatorial, 803b
 Mascarene Plateau, 834b
- Globorotaloides* sp.
 Indian Ocean W equatorial, 303b
 Madingly Rise: Site 709, 313b
 Mascarene Plateau, 313b
- Globorotaloides suteri*
 Indian Ocean W equatorial, 803b
 Mascarene Plateau, 834b
- Globorotaloides variabilis*
 Indian Ocean W equatorial, 803b
 Maldives Ridge: Site 714, 834b
- Globoturborotalia rubescens*, Nazareth Bank, 136a
- Globoturborotalita druryi*, Indian Ocean W equatorial, 803b
- Globoturborotalita nepenthes*
 Indian Ocean W equatorial, 803b
 Mascarene Plateau, 836b
- Grammatophora* spp., Indian Ocean W equatorial, 439b, 443b
- Gyroidinoides planulatus*, Indian Ocean W equatorial: Site 708, 379b
- Gyroidinoides soldanii*, Indian Ocean W equatorial: Site 711, 379b
- Hantkenina*, Mascarene Plateau, 506b
- Hantkenina alabamensis*
 Indian Ocean W equatorial, 303b
 Madingly Rise: Site 709, 311b
- Hantkenina alabamensis/Cribrorhantkenina inflata* transition, Madingly Rise: Site 709, 311b
- Hanzawaia cushmani*, Mascarene Plateau, 251a
- Hayella aperta*, Maldives Ridge: Site 714, 235b
- Hayella situliformis*
 Indian Ocean W equatorial, 141b
 Indian Ocean W equatorial: Site 711, 138b
 Mascarene Plateau, last occurrence, 132b, 134b
- Helicoliths, Indian Ocean W equatorial, 217b
- Helicosphaera ampliaperia*
 Indian Ocean W equatorial, last occurrence, 181b, 204b
 Madingly Rise: Site 710, 272b
 last occurrence, 274b-275b
 Maldives Ridge, 182b
 Maldives Ridge: Site 714, 235b
- Helicosphaera compacta*
 Indian Ocean W equatorial, 240b
 Madingly Rise: Site 710, 253b
- Helicosphaera mediterranea*, Indian Ocean W equatorial, 217b
- Helicosphaera obliqua*, Indian Ocean W equatorial, 217b
- Helicosphaera perch-nielsenae*, Indian Ocean W equatorial, 217b
- Helicosphaera recta*
 Indian Ocean W equatorial, 217b, 249b
 last occurrence, 183b, 245b
 Madingly Rise: Site 710, last occurrence, 272b
 Maldives Ridge: Site 714, 235b, 853a
- Helicosphaera sellii*
 Madingly Rise: Site 709, 468a
 Maldives Ridge: Site 716, last occurrence, 1010a
- Hemiaulus*, Indian Ocean W equatorial: Site 711, 669a
- Hemiaulus affinis*, Indian Ocean W equatorial, 443b
- Hemiaulus altar*
 Indian Ocean W equatorial, 443b
 Indian Ocean W equatorial: Site 711, 462b
 Mascarene Plateau, 462b
- Hemiaulus barbadensis*, Indian Ocean W equatorial, 443b
- Hemiaulus bipons*, Indian Ocean W equatorial, 443b
- Hemiaulus claviger*
 Indian Ocean W equatorial, 443b
 Mascarene Plateau, 462b
- Hemiaulus dubius*, Indian Ocean W equatorial, 443b
- Hemiaulus exiguus*, Indian Ocean W equatorial, 443b
- Hemiaulus gracilis*, sp. nov.
 Indian Ocean W equatorial, 444b
 Site 366, 463b
- Hemiaulus incisus*, Indian Ocean W equatorial, 444b
- Hemiaulus klushnikovii*, Indian Ocean W equatorial, 444b
- Hemiaulus longicornis*
 Indian Ocean W equatorial, 444b
 Madingly Rise: Site 709, 462b
 Mascarene Plateau, 462b
- Hemiaulus lyriformis*, Indian Ocean W equatorial, 444b
- Hemiaulus polycystinorum*, Indian Ocean W equatorial, 444b
- Hemiaulus polycystinorum mesolepta*, Indian Ocean W equatorial, 444b
- Hemiaulus rectus twista*, Indian Ocean W equatorial, 444b
- Hemiaulus robustus*
 Chagos Bank: Site 713, 460b
 Indian Ocean W equatorial, 444b
- Hemiaulus* sp.
 Indian Ocean W equatorial, 444b
 Mascarene Plateau, 460b, 462b
- Hemiaulus subacutus*
 Indian Ocean W equatorial, 444b
 Indian Ocean W equatorial: Site 711, 460b
- Hemiaulus taurus*
 Indian Ocean W equatorial, 444b
 Mascarene Plateau, 460b
- Heterolepa grimsdalei*, Madingly Rise: Site 710, 379b, 601a
- Holococcolith sp., Indian Ocean W equatorial, 156b
- Holococcolith type A, Madingly Rise: Site 709, 173b
- Hopkinsina mioindex*, Madingly Rise: Site 709, 379b
- Hyalodiscus*, Indian Ocean W equatorial, 445b
- Isthmia* sp.
 Chagos Bank: Site 713, 461b
 Indian Ocean W equatorial, 445b
- Isthmolithus*, Indian Ocean W equatorial, first occurrence, 141b
- Isthmolithus recurvus*
 Indian Ocean W equatorial: Site 711, 140b
 Madingly Rise: Site 709, 135b
 Mascarene Plateau, 134b
- Kozloviella meniscosa*
 Indian Ocean W equatorial, 445b
 Site 366, 463b
- Kozloviella subrotunda*, Indian Ocean W equatorial, 445b
- Lanternithus minutus*, Mascarene Plateau, 134b
- Liostephania* cf. *Asterolampra vulgaris*, Madingly Rise: Site 709, 460b
- Liostephania* sp.
 Chagos Bank: Site 713, 460b
 Mascarene Plateau, 460b
- Liostephania* spp., Indian Ocean W equatorial, 445b
- Lisitzinia ornata*, Indian Ocean W equatorial, 445b
- Lopadolith scyphospherids, Indian Ocean W equatorial, 217b
- Lychnocanoma elongata* Zone
 Indian Ocean W equatorial: Site 708, 401b, 412a
 Madingly Rise: Site 709, 402b
 Madingly Rise: Site 710, 402b
 Maldives Ridge: Site 714, 403b, 856a
- Macrora barbadensis*, Indian Ocean W equatorial, 448b
- Macrora stella*
 Indian Ocean W equatorial, 448b
 Mascarene Plateau, 462b
- Mallomonas* sp., Mascarene Plateau, 462b
- Markalius*, Indian Ocean W equatorial, 151b-152b
- Markalius* sp., Indian Ocean W equatorial: Site 711, 172b
- Melonis sphaeroides*, Madingly Rise: Site 709, 379b
- Melosira*, Indian Ocean W equatorial, 425b
- Melosira architecturalis*
 Indian Ocean W equatorial, 446b
 Mascarene Plateau, 459b
- Mesocena elliptica*, Indian Ocean W equatorial, 421b
- Mesocena quadrangula*
 Indian Ocean W equatorial, 419b-420b
 Indian Ocean W equatorial: Site 711, 669a
- Mesocena quadrangula* Zone, Madingly Rise: Site 710, 602a
- Minylitha convallis*, Madingly Rise: Site 710, 222b
- Morozovella aragonensis*, Maldives Ridge: Site 715, 393b
- Morozovella* sp., Maldives Ridge: Site 715, 392b, 393b
- Nannotetrina alata*
 Chagos Bank: Site 713, 174b
 Indian Ocean W equatorial: Site 711, 139b
- Nannotetrina austriacus*
 Chagos Bank: Site 713, 174b
 Indian Ocean W equatorial, 153b
- Nannotetrina quadrata*, Indian Ocean W equatorial, 152b
- Nannotetrina spinosus*, Chagos Bank: Site 713, 174b
- Nannotetrina* spp.
 Chagos Bank: Site 713, 744a
 Indian Ocean W equatorial, 153b
 Indian Ocean W equatorial: Site 711, 174b
- Navicula* spp.

- Indian Ocean W equatorial, 446b
Mascarene Plateau, 462b
Neobrunia spp., Indian Ocean W equatorial, 446b
Neogloboquadrina acostaensis
Indian Ocean W equatorial, 803b
frost occurrence, 184b
Maldives Ridge: Site 714, 836b
Mascarene Plateau, 836b
Neogloboquadrina dutertrei
Indian Ocean W equatorial, 803b
Mascarene Plateau, 836b
Nazareth Bank, 836b
Neogloboquadrina humerosa
Indian Ocean W equatorial, 804b
Mascarene Plateau, 836b
Nitzschia fossilis, Madingly Rise: Site 709, 419b
Nitzschia jouseae, Indian Ocean W equatorial:
Site 709, 419b
Nitzschia jouseae Zone
Chagos Bank: Site 712, 746a
Chagos Bank: Site 713, 417b
Indian Ocean W equatorial, 417b
Indian Ocean W equatorial: Site 708, 412a
Madingly Rise: Site 709, 415b, 474a
Madingly Rise: Site 710, 602a
Mascarene Plateau, 252a
Nitzschia miocenica, Madingly Rise: Site 709,
474a
Nitzschia miocenica Zone
Chagos Bank: Site 713, 746a
Indian Ocean W equatorial, 417b
Indian Ocean W equatorial: Site 708, 413a
Madingly Rise: Site 709, 415b
Madingly Rise: Site 710, 602a
Mascarene Plateau, 252a, 415b
Nitzschia porteri Zone, Indian Ocean W equato-
rial, 417b
Nitzschia reinholdii
Indian Ocean W equatorial: Site 708, 415b
Madingly Rise: Site 710, 419b
Nitzschia reinholdii Zone
Chagos Bank: Site 713, 746a
Indian Ocean W equatorial, 417b
Indian Ocean W equatorial: Site 708, 412a
Indian Ocean W equatorial: Site 711, 669a
Madingly Rise: Site 709, 415b, 474a
Nummulites burdigalensis
Indian Ocean W equatorial, 387b
Maldives Ridge: Site 715, 391b
Nummulites burdigalensis cantabricus Zone,
Maldives Ridge: Site 715, 386b
Nummulites burdigalensis cantabricus/N.
campesinus transitional form, Maldives
Ridge: Site 715, 391b
Nummulites burdigalensis group, Maldives
Ridge: Site 715, 384b-385b, 386b
Nummulites campesinus
Indian Ocean W equatorial, 387b
Maldives Ridge: Site 715, 925a
Nummulites campesinus Zone, Maldives Ridge:
Site 715, 386b
Nummulites caupennensis
Indian Ocean W equatorial, 387b-388b
Maldives Ridge: Site 715, 385b, 390b
Nummulites dainelli/Alveolina palermitana transi-
tional forms, Maldives Ridge: Site 715, 389b
Nummulites fabianii group
Indian Ocean W equatorial, 388b
Maldives Ridge: Site 714, 386b, 393b
Nummulites partschi group
Indian Ocean W equatorial, 388b
Maldives Ridge: Site 715, 386b
Nummulites pratti
Indian Ocean W equatorial, 388b
Maldives Ridge: Site 715, 391b
Nuttallides truempyi
Madingly Rise: Site 709, 473a
Mascarene Plateau, 251a
Nuttallides umbonifera
Madingly Rise: Site 709, 324b
Madingly Rise: Site 710, 324b, 379b
Maldives Ridge: Site 714, 855a
Mascarene Plateau, 324b
Operculina gomezi
Indian Ocean W equatorial, 388b
Maldives Ridge: Site 714, 393b
Operculina sp., Maldives Ridge: Site 715, 390b
Orbitolites douvillei
Indian Ocean W equatorial, 388b
Maldives Ridge: Site 715, 389b
Orbitolites sp., Maldives Ridge: Site 715, 390b,
391b
Orbulina spp.
Indian Ocean W equatorial: Site 708, 623b
Maldives Ridge: Site 715, 924a
Orbulina suturalis, Indian Ocean W equatorial,
804b
Orbulina universa, Indian Ocean W equatorial,
804b
Oridorsalis umbonatus, Madingly Rise: Site 709,
stable isotopes, 530b
Osangularia bengalensis
Madingly Rise: Site 709, 378b
Maldives Ridge: Site 714, 378b
Paragloborotalia kugleri Zone, Maldives Ridge:
Site 715, 925a
Paragloborotalia opima opima, Madingly Rise:
Site 710, 291b
Paragloborotalia pseudocontinua, Indian
Ocean W equatorial, 304b
Paragloborotalia semivera, Madingly Rise: Site
709, 313b
Paralia ornata, Indian Ocean W equatorial, 446b
Paralia sulcata
Indian Ocean W equatorial, 446b
Mascarene Plateau, 459b
Phytoliths, Mascarene Plateau, 462b
Planktonic foraminifers
Chagos Bank, biostratigraphic datum levels,
751a
Chagos Bank: Site 712
biostratigraphy, 27a, 744a
Neogene, 817b-818b
Paleogene, 291b, 310b
zonation, 29a
Chagos Bank: Site 713
biostratigraphy, 27a, 302b, 744a-745a
Neogene, 819b
Paleogene, 291b, 310b
zonation, 29a
Eocene/Oligocene boundary
Madingly Rise: Site 709, 472a
Mascarene Plateau, 250a
Indian Ocean W equatorial
biostratigraphy, 278b
Neogene, 795b, 796b
Oligocene/Miocene transition, 279b
Paleogene, 277b-279b
zonation, 828b-829b
Indian Ocean W equatorial: Site 708
biostratigraphic datum levels, 417a
biostratigraphy, 27a, 289b
dissolution, 622b-625b
Neogene, 808b-809b
Paleogene, 288b, 310b
turbiditic influence, 288b
zonation, 29a
Indian Ocean W equatorial: Site 711
biostratigraphy, 27a, 301b, 668a
Neogene, 816b
Paleogene, 291b, 310b
zonation, 29a
Madingly Rise: Site 709, 465a, 611b, 616b
biostratigraphic datum levels, 483a
biostratigraphy, 27a, 290b, 469a, 471a-472a
Neogene, 810b-813b
Paleogene, 288b-289b, 292b, 294b-297b,
310b
planktonic: benthic ratio, carbon isotopes and,
530b, 534b
zonation, 29a
Madingly Rise: Site 710
biostratigraphy, 27a, 300b, 600a-601a
Neogene, 814b-815b
Paleogene, 289b, 298b-299b, 310b
zonation, 29a
Maldives Ridge, oxygen isotope stratigraphy,
547b
Maldives Ridge: Site 714
biostratigraphic datum levels, 859a
biostratigraphy, 27a, 303b, 854a
Eocene-Oligocene hiatus, 298b
Miocene-Pliocene unconformity, 854a
Neogene, 820b-823b
Paleogene, 291b-292b, 304b-307b, 310b
redemption and reworking, 293b
stable isotopes, 592b, 595b-597b
zonation, 29a
Maldives Ridge: Site 715
biostratigraphic datum levels, 928a
biostratigraphy, 27a, 924a
Neogene, 824b-825b
Paleogene, 310b
zonation, 29a
Maldives Ridge: Site 716, 584b-585b, 658b
abundance, 584b
biostratigraphy, 27a, 1010a
Neogene, 826b-827b
preservation, 587b
stable isotopes, 580b-582b
zonation, 29a
Mascarene Plateau, 237a, 242a
biostratigraphic datum levels, 263a
biostratigraphy, 27a, 249a-250a, 284b
Neogene, 804b-807b
Paleogene, 280b, 283b-284b, 285b-287b,
288b, 310b
zonation, 29a, 250a
Nazareth Bank
biostratigraphic datum levels, 148a
biostratigraphy, 27a, 135a-136a, 283b
Neogene, 801b, 802b
Oligocene-Pleistocene unconformity, 280b
Paleogene, 279b-280b, 281b-282b, 310b
zonation, 29a
Oligocene/Miocene boundary
Madingly Rise: Site 709, 289b
Maldives Ridge: Site 714, 854a
Mascarene Plateau, 249a
Zones N4-N6, Madingly Rise: Site 709, 469a
Zone N5
Maldives Ridge: Site 714, 854a
Maldives Ridge: Site 715, 924a
Zone N6
Maldives Ridge: Site 714, 854a
Maldives Ridge: Site 715, 924a
Zone N7

PALEONTOLOGICAL INDEX

- Madingly Rise: Site 709, 469a
 Maldives Ridge: Site 714, 854a
 Maldives Ridge: Site 715, 924a
 Zone N8
 Chagos Bank: Site 712, 744a
 Maldives Ridge: Site 714, 854a
 Maldives Ridge: Site 715, 924a
 Zone N9
 Chagos Bank: Site 712, 744a
 Madingly Rise: Site 709, 469a
 Maldives Ridge: Site 714, 854a
 Maldives Ridge: Site 715, 924a
 Zone N10
 Maldives Ridge: Site 714, 854a
 Mascarene Plateau, 249a
 Zone N12, Maldives Ridge: Site 714, 854a
 Zone N13
 Maldives Ridge: Site 714, 854a
 Mascarene Plateau, 249a
 Zone N14
 Chagos Bank: Site 712, 744a
 Maldives Ridge: Site 714, 854a
 Zones N15–N16, Madingly Rise: Site 709, 469a
 Zone N16
 Chagos Bank: Site 712, 744a
 Maldives Ridge: Site 714, 854a
 Zone N17
 Chagos Bank: Site 712, 744a
 Madingly Rise: Site 709, 469a
 Mascarene Plateau, 249a
 Zone N17b, Chagos Bank: Site 713, 744a
 Zone N18
 Chagos Bank: Site 712, 744a
 Chagos Bank: Site 713, 744a
 Madingly Rise: Site 710, 600a
 Zones N18–N19, Mascarene Plateau, 249a
 Zone N19
 Chagos Bank: Site 712, 744a
 Chagos Bank: Site 713, 744a
 Madingly Rise: Site 710, 600a
 Zones N19–N18, Madingly Rise: Site 709, 469a
 Zone N20, Madingly Rise: Site 710, 600a, 601a
 Zone N21
 Indian Ocean W equatorial: Site 708, 409a
 Madingly Rise: Site 709, 469a
 Madingly Rise: Site 710, 600a
 Nazareth Bank, 136a
 Zone N22
 Chagos Bank: Site 713, 744a
 Indian Ocean W equatorial: Site 708, 409a
 Madingly Rise: Site 709, 469a
 Maldives Ridge: Site 714, 854a
 Maldives Ridge: Site 715, 924a
 Mascarene Plateau, 249a
 Nazareth Bank, 136a
 Zone N23
 Maldives Ridge: Site 714, 854a
 Maldives Ridge: Site 715, 924a
 Zones N23–N22, Nazareth Bank, 136a
 Zone P2, Mascarene Plateau, 283b
 Zone P3a, Mascarene Plateau, 250a
 Zone P5, Mascarene Plateau, 250a
 Zone P6b, Mascarene Plateau, 250a, 283b
 Zone P7, Mascarene Plateau, 283b–284b
 Zone P8, Mascarene Plateau, 250a
 Zone W
 Indian Ocean W equatorial: Site 711, 668a
 Mascarene Plateau, 288b
 Zone P10, Chagos Bank: Site 713, 745a
 Zone P11
 Chagos Bank: Site 713, 745a
 Indian Ocean W equatorial: Site 711, 668a
 Madingly Rise: Site 709, 472a
 Mascarene Plateau, 250a, 288b
 Zones P11–P15
 Chagos Bank: Site 713, 291b
 Madingly Rise: Site 709, 288b
 Zone P12
 Indian Ocean W equatorial: Site 711, 668a
 Mascarene Plateau, 288b
 Zone P13, Mascarene Plateau, 250a
 Zone P14
 Chagos Bank: Site 712, 291b
 Madingly Rise: Site 709, 472a
 Zone P15, Mascarene Plateau, 250a, 288b
 Zone P16
 Madingly Rise: Site 709, 472a
 Mascarene Plateau, 250a
 Zone P17
 Madingly Rise: Site 709, 472a
 Mascarene Plateau, 250a
 Zone P18
 Madingly Rise: Site 709, 472a
 Mascarene Plateau, 288b
 Nazareth Bank, 136a
 Zone P19, Nazareth Bank, 136a
 Zone P20
 Madingly Rise: Site 709, 472a
 Madingly Rise: Site 710, 289b
 Zones P21–P22, Maldives Ridge: Site 714, 292b–293b
 Zone P21a
 Indian Ocean W equatorial: Site 711, 291b
 Madingly Rise: Site 710, 289b
 Maldives Ridge: Site 714, 854a
 Mascarene Plateau, 249a
 Zone P21b, Madingly Rise: Site 709, 472a
 Zone P22
 Indian Ocean W equatorial, 291b
 Madingly Rise: Site 709, 471a
 Maldives Ridge: Site 714, 854a
Planorotalites palmeri, Maldives Ridge: Site 715, 386b, 392b, 393b
Planorotalites pseudoscutulus, Maldives Ridge: Site 715, 392b
Planorotalites sp., Maldives Ridge: Site 715, 393b
Planulina marialana, Mascarene Plateau, 378b
Planulina marialana group, Mascarene Plateau, 251a
Planulina wuellerstorfi
 Mascarene Plateau, 251a
 Nazareth Bank, 136a
Plectofrondicularia lirata
 Madingly Rise: Site 709, 473a
 Mascarene Plateau, 251a
Pleurostomella alternans, Indian Ocean W equatorial: Site 711, 379b
Podocyrtis ampla Zone
 Indian Ocean W equatorial: Site 711, 669a
 Madingly Rise: Site 709, 474a
Podocyrtis chalara Zone
 Indian Ocean W equatorial: Site 711, 669a
 Madingly Rise: Site 709, 474a
Podocyrtis goetheana Zone
 Indian Ocean W equatorial: Site 711, 669a
 Madingly Rise: Site 709, 474a
Podocyrtis lineage, Indian Ocean W equatorial, 404b
Podocyrtis mitra Zone
 Indian Ocean W equatorial: Site 711, 669a
 Mascarene Plateau, 252a, 401b
 Pontospherids, Indian Ocean W equatorial, 217b
Porodiscus elegans
 Indian Ocean W equatorial, 446b
 Indian Ocean W equatorial: Site 711, 459b
Praeorbulina glomerosa
 Maldives Ridge: Site 714, 831b
 Mascarene Plateau, 831b
Praeorbulina glomerosa circularis, Indian Ocean W equatorial, 804b
Praeorbulina glomerosa curva, Indian Ocean W equatorial, 804b
Praeorbulina glomerosa glomerosa, Indian Ocean W equatorial, 804b
Praeorbulina sicana
 Indian Ocean W equatorial, 804b
 Maldives Ridge: Site 714, 831b
Praeorbulina transitoria, Indian Ocean W equatorial, 804b
Protentella clavaticamerata, Madingly Rise: Site 709, 314b
Protentella navazuelensis, Madingly Rise: Site 709, 314b
Protentella sp.
 Indian Ocean W equatorial, 305b
 Madingly Rise: Site 709, 314b
Pseudoemiliania lacunosa
 Indian Ocean W equatorial: Site 708, 408a
 Indian Ocean W equatorial: Site 711, 665a
 Madingly Rise: Site 709, 468a
 Maldives Ridge: Site 714, 852a
 Maldives Ridge: Site 715, 924a
 Maldives Ridge: Site 716, 1008a, 1010a
 last occurrence, 581b
 Mascarene Plateau, 244a
 Nazareth Bank, 133a
Pseudoeunotia doliolus, Madingly Rise: Site 710, 419b
Pseudoeunotia doliolus Zone
 Indian Ocean W equatorial, 417b
 Indian Ocean W equatorial: Site 708, 415b
 Madingly Rise: Site 709, 415b, 474a
 Madingly Rise: Site 710, 602a
 Maldives Ridge: Site 715, 925a
Pseudohastigerina danvillensis, Indian Ocean W equatorial, 305b
Pseudohastigerina sp., Maldives Ridge: Site 715, 392b
Pseudohastigerina wilcoxensis, Maldives Ridge: Site 715, 393b
Pseudopodosira simplex, Indian Ocean W equatorial, 446b
Pseudosira bella, Indian Ocean W equatorial, 446b
Pseudotriceratium radiosoreticulatum, Indian Ocean W equatorial, 446b
Pterocanium prismatium
 Indian Ocean W equatorial, 404b
 last occurrence, 404b
Pterocanium prismatium Zone
 Indian Ocean W equatorial: Site 708, 401b, 412a
 Indian Ocean W equatorial: Site 711, 402b, 669a
 Madingly Rise: Site 709, 473a
 Madingly Rise: Site 710, 601a
 Pteropods
 Indian Ocean W equatorial, fragmentation, 540b
 Maldives Ridge: Site 716, 561b, 1008a
 dissolution, 563b, 584b
 fragmentation, mid-Brunhes dissolution and, 560b
 preservation, 582b, 587b
 pteropod:planktonic foraminifer ratio, 584b
Pullenia quinqueloba, Indian Ocean W equatorial: Site 711, 379b
Pulleniatina obliquiloculata
 Indian Ocean W equatorial, 805b
 Maldives Ridge: Site 716, 583b, 584b, 585b, 587b
 Mascarene Plateau, 836b
Pulleniatina primalis
 Indian Ocean W equatorial, 805b
 Madingly Rise: Site 709, 469a

- Mascarene Plateau, 249a, 836b
Pyxilla prolongata, Indian Ocean W equatorial, 446b
- Quinquerhabdus colossicus*, Nazareth Bank, 132b
- Radiolarians
 Chagos Bank, 403b
 biostratigraphic datum levels, 751a
 stratigraphic unconformity, 403b
 Chagos Bank: Site 712
 biostratigraphy, 27a–29a, 745a–746a
 zonation, 30a–32a
 Chagos Bank: Site 713
 biostratigraphy, 27a–29a, 746a
 zonation, 30a–32a
 Eocene/Oligocene boundary, Mascarene Plateau, 401b
 Indian Ocean W equatorial
 with Australian northward migration, 405b
 biostratigraphy, 403b–404b
 Cenozoic zonation, 395b–396b
 closure of Tethyan Seaway and, 405b
 magnetostratigraphic correlation, 404b
 paleoceanography, 404b–405b
 Paleogene, 428b
 Indian Ocean W equatorial: Site 708, 401b
 biostratigraphic datum levels, 417a
 biostratigraphy, 27a–29a, 412a
 zonation, 30a–32a
 Indian Ocean W equatorial: Site 711, 400b, 402b–403b, 662a
 biostratigraphy, 27a–29a, 669a
 Paleogene, 408b–409b
 Eocene/Oligocene boundary, 402b
 reworked taxa, 669a
 zonation, 30a–32a
 Madingly Rise: Site 709, 397b, 398b, 399b, 401b–402b
 biostratigraphic datum levels, 483a
 biostratigraphy, 27a–29a, 408b–409b, 473a
 zonation, 30a–32a
 Madingly Rise: Site 710, 402b
 biostratigraphic datum levels, 611a
 biostratigraphy, 27a–29a, 408b, 601a–602a
 zonation, 30a–32a
 Maldives Ridge: Site 714, 403b
 biostratigraphic datum levels, 859a
 biostratigraphy, 27a–29a, 855a–856a
 Miocene-Pleistocene unconformity, 855a
 zonation, 30a–32a
 Maldives Ridge: Site 715
 biostratigraphy, 27a–29a, 925a
 Miocene unconformity, 925a
 zonation, 30a–32a
 Maldives Ridge: Site 716
 biostratigraphy, 27a–29a, 1011a
 zonation, 30a–32a
 Mascarene Plateau, 244a, 396b, 401b
 biostratigraphic datum levels, 263a
 biostratigraphy, 27a–29a, 251a–252a
 stratigraphic unconformity, 401b
 zonation, 30a–32a
 Miocene/Pliocene boundary, Madingly Rise: Site 710, 601a
 Nazareth Bank, 396b
 biostratigraphy, 27a–29a, 137a
 zonation, 30a–32a
 Oligocene/Miocene boundary, Madingly Rise: Site 709, 474a
Rectuwigerina striata, Maldives Ridge: Site 716, 378b
Reticulofenestra daviesii
 Indian Ocean W equatorial, 215b
 Maldives Ridge: Site 715, 235b
Reticulofenestra fenestra, Mascarene Plateau, last occurrence, 247a
Reticulofenestra gelida, Indian Ocean W equatorial, 215b
Reticulofenestra pseudumbilica
 Chagos Bank: Site 713, last occurrence, 744a
 Madingly Rise: Site 709, 468a
 Madingly Rise: Site 710, 505b
 last occurrence, 272b
 Mascarene Plateau, 247a
Reticulofenestra pseudumbilicus
 Indian Ocean W equatorial, 181b, 214b–215b
 first occurrence, 248b
 last occurrence, 179b
 Indian Ocean W equatorial: Site 708, 235b
Reticulofenestra pseudumbilicus paracme, Indian Ocean W equatorial, 180b–181b
Reticulofenestra spp.
 Indian Ocean W equatorial, 215b, 238b, 240b
 Madingly Rise: Site 710, 253b
Reticulofenestra umbilica
 Chagos Bank: Site 713, 140b, 744a
 Indian Ocean W equatorial, 141b, 144b
 last occurrence, 141b
 Indian Ocean W equatorial: Site 711, 139b
 Madingly Rise: Site 709, 469a
 Mascarene Plateau, 134b
 first occurrence, 134b
 last occurrence, 247a–248a
 Nazareth Bank, 132b, 135a
Rhaphoneis immunis, Indian Ocean W equatorial, 446b
Rhizosolenia hebetata, Indian Ocean W equatorial, 446b
Rhizosolenia interposita, Indian Ocean W equatorial, 446b
Rhizosolenia praebergonii, Indian Ocean W equatorial: Site 708, 415b
Rhizosolenia praebergonii Zone
 Indian Ocean W equatorial, 417b
 Indian Ocean W equatorial: Site 708, 412a
 Madingly Rise: Site 709, 415b, 474a
 Madingly Rise: Site 710, 602a
Rhizosolenia sp., Indian Ocean W equatorial, 447b
Riedelia pacifica, Indian Ocean W equatorial, 447b
Rocella princeps, Indian Ocean W equatorial, 447b
Rocella vigilans, Indian Ocean W equatorial, 447b
Rocella vigilans Zone, Indian Ocean W equatorial: Site 708, 435b
Rossiella symmetrica, Indian Ocean W equatorial, 447b
Rouxia hamae, Indian Ocean W equatorial, 447b
Rouxia obesa, Indian Ocean W equatorial, 447b
Rutilaria sp., Indian Ocean W equatorial, 447b
Rutilariopsis sp., Indian Ocean W equatorial: Site 708, 462b
Sceptroneis pesplanus, Indian Ocean W equatorial, 447b
Skeletonema barbadense
 Indian Ocean W equatorial, 447b
 Indian Ocean W equatorial: Site 711, 459b
Solenosphaera omnitubus, Indian Ocean W equatorial, 404b
Solidopons petrae, Maldives Ridge: Site 715, 235b
Spermatogonia spp., Indian Ocean W equatorial, 448b
Sphaeroidinella dehiscens
 Indian Ocean W equatorial, 805b
 Mascarene Plateau, 836b
 Nazareth Bank, 836b
Sphaeroidinellopsis, Nazareth Bank, 136a
Sphaeroidinellopsis disjuncta, Indian Ocean W equatorial, 805b
Sphaeroidinellopsis kochi
 Indian Ocean W equatorial, 805b
 Mascarene Plateau, 836b
Sphaeroidinellopsis seminulina, Indian Ocean W equatorial, 805b
Sphaeroidinellopsis spp.
 Chagos Bank: Site 713, 744a
 Indian Ocean W equatorial: Site 708, 409a
 Sphenolithus
 Indian Ocean W equatorial: Site 711, Oligocene-Miocene, 243b, 244b
 Madingly Rise: Site 709, Oligocene-Miocene, 241b
 Madingly Rise: Site 710, Oligocene-Miocene, 242b
 Maldives Ridge: Site 714, Oligocene-Miocene, 245b
 Mascarene Plateau, Oligocene-Miocene, 239b
Sphenolithus abies, Indian Ocean W equatorial, 181b
Sphenolithus belemnus
 Indian Ocean W equatorial, 215b, 250b
 last occurrence, 182b, 247b
 Madingly Rise: Site 709, 468a
 magnetic properties, 726b
 Madingly Rise: Site 710, 275b, 600a
 Maldives Ridge: Site 714, 233b
 Maldives Ridge: Site 715, 206b, 924a
 Mascarene Plateau, 247a
Sphenolithus calyculus, Indian Ocean W equatorial, 215b
Sphenolithus capricornutus
 Indian Ocean W equatorial, 215b, 245b
 Maldives Ridge: Site 714, 233b, 254b
Sphenolithus ciperensis
 Indian Ocean W equatorial, 153b–154b, 238b
 last occurrence, 183b, 244b, 249b
 Indian Ocean W equatorial: Site 708, 135b, 409a
 first occurrence, 507b
 Indian Ocean W equatorial: Site 711, last occurrence, 730b
 Madingly Rise: Site 709, 173b, 252b, 726b
 Madingly Rise: Site 710, 138b, 252b, 275b, 600a
 Maldives Ridge: Site 714, 853a
 Mascarene Plateau, 132b, 247a
 last occurrence, 506b
 Nazareth Bank, 143a
 magnetic properties, 723b
Sphenolithus conicus
 Indian Ocean W equatorial, 215b, 245b
 Madingly Rise: Site 709, 253b
 Maldives Ridge: Site 714, 233b
Sphenolithus delphix
 Indian Ocean W equatorial, 182b, 215b–216b, 245b, 249b–250b
 Maldives Ridge: Site 714, 232b, 254b
Sphenolithus delphix acme interval, Indian Ocean W equatorial, 248b
Sphenolithus dissimilis
 Indian Ocean W equatorial, 216b
 Madingly Rise: Site 709, 233b
Sphenolithus dissimilis Sphenolithus belemnus intergrade
 Indian Ocean W equatorial, 216b
 Madingly Rise: Site 710, 233b
Sphenolithus distentus
 Indian Ocean W equatorial, 154b, 238b
 first occurrence, 132b
 last occurrence, 249b

PALEONTOLOGICAL INDEX

- Indian Ocean W equatorial: Site 708, 252b, 409a
 Indian Ocean W equatorial: Site 711, 173b
 last occurrence, 506b
 Madingly Rise: Site 709, 252b, 468a-469a
 first occurrence, 135b
 last occurrence, 507b
 Madingly Rise: Site 710, 600a
 Mascarene Plateau, 132b, 247a
 first occurrence, 141b
 Nazareth Bank, 134a, 143a
 magnetic properties, 723b
- Sphenolithus furcatolithoides*, Indian Ocean W equatorial, 144b
- Sphenolithus heteromorphus*
 Indian Ocean W equatorial, 250b
 first occurrence, 182b, 247b
 last occurrence, 181b
 Indian Ocean W equatorial: Site 711, 506b, 665a
 Madingly Rise: Site 709, last occurrence, 505b
 Madingly Rise: Site 710, 274b
 first occurrence, 272b, 275b
 Maldives Ridge: Site 714, 233b
 Maldives Ridge: Site 715, 924a
- Sphenolithus milanetti*
 Indian Ocean W equatorial, 216b, 247b
 Maldives Ridge: Site 714, 254b
- Sphenolithus multispinatus*
 Indian Ocean W equatorial, 216b, 247b
 Maldives Ridge: Site 715, 254b
- Sphenolithus predistentus*
 Indian Ocean W equatorial, 238b
 Indian Ocean W equatorial: Site 708, 252b
 Indian Ocean W equatorial: Site 711, 145b
 Madingly Rise: Site 710, 252b
- Sphenolithus predistentus*-*S. distentus*-*S. cipoensis* lineage, Indian Ocean W equatorial, 239b
- Sphenolithus pseudoheteromorphus*
 Indian Ocean W equatorial, 216b, 247b
 Maldives Ridge: Site 714, 254b
- Sphenolithus spiniger*, Indian Ocean W equatorial, 144b
- Sphenolithus* spp.
 Indian Ocean W equatorial, 154b, 215b, 238b
 Indian Ocean W equatorial: Site 711, 139b, 173b, 253b
- Spongaster* lineage, Indian Ocean W equatorial, 404b
- Spongaster pentas* Zone
 Chagos Bank, 403b
 Chagos Bank: Site 712, 745a
 Chagos Bank: Site 713, 746a
 Indian Ocean W equatorial: Site 708, 401b, 412a
 Madingly Rise: Site 709, 473a
 Madingly Rise: Site 710, 601a
 Mascarene Plateau, 252a
- Sponge spicules, Mascarene Plateau, 244a
- Stellarima primalabiata*, Indian Ocean W equatorial, 447b
- Stephanopyxis turris*, Indian Ocean W equatorial, 447b
- Stichocorys delmontensis* Zone, Maldives Ridge: Site 714, 403b, 856a
- Stichocorys peregrina*, Indian Ocean W equatorial, last occurrence, 404b
- Stichocorys peregrina* Zone
 Chagos Bank, 403b
 Chagos Bank: Site 712, 745a
 Indian Ocean W equatorial: Site 708, 401b, 412a
 Madingly Rise: Site 709, 473a
 Madingly Rise: Site 710, 601a
 Mascarene Plateau, 252a
- Stichocorys wolffii* Zone, Maldives Ridge: Site 714, 403b, 856a
- Stilostomella insecta*, Indian Ocean W equatorial: Site 711, 379b
- Stilostomella lepidula*
 Indian Ocean W equatorial: Site 711, 379b
 Madingly Rise: Site 709, 379b
- Stilostomella nutalli*, Indian Ocean W equatorial: Site 711, 379b
- Stilostomella subspinosa*, Madingly Rise: Site 709, 472a-473a
- Strangulonema barbadense*, Indian Ocean W equatorial, 448b
- Subbotina brazieri*, Madingly Rise: Site 709, 313b
- Subbotina corpulenta*, Indian Ocean W equatorial, 305b
- Subbotina eocaenica*, Indian Ocean W equatorial, 305b
- Subbotina linaperta*
 Indian Ocean W equatorial, 306b
 Madingly Rise: Site 709, 312b
- Subbotina pseudoeocaena*, Maldives Ridge: Site 715, 393b
- Subbotina utilisindex*, Indian Ocean W equatorial, 306b
- Synedra clavata*, Mascarene Plateau, 459b
- Synedra hennedyana*, Indian Ocean W equatorial, 448b
- Synedra jouseana*, Indian Ocean W equatorial, 448b
- Syracosphaera* sp.
 Indian Ocean W equatorial, 155b
 Nazareth Bank, 172b
- Textularia lythostrota*, Mascarene Plateau, 378b
- Thalassionema*, Indian Ocean W equatorial, productivity changes, 427b
- Thalassionema* group
 Indian Ocean W equatorial, 484b
 Maldives Ridge: Site 714, 595b
- Thalassionema nitzschioides*, Indian Ocean W equatorial, 448b
- Thalassionema* spp.
 Indian Ocean W equatorial, productivity changes, 429b
 Maldives Ridge: Site 714, 429b, 856a
- Thalassiosira bukryi*
 Indian Ocean W equatorial, 448b
 Mascarene Plateau, 459b
- Thalassiosira convexa*, Indian Ocean W equatorial, 419b
- Thalassiosira convexa* Zone
 Chagos Bank: Site 712, 746a
 Chagos Bank: Site 713, 417b
 Indian Ocean W equatorial, 417b
 Indian Ocean W equatorial: Site 708, 413a, 415b
 Madingly Rise: Site 709, 474a
 Madingly Rise: Site 710, 602a
 Mascarene Plateau, 252a, 415b
- Thalassiosira irregularata*, Indian Ocean W equatorial, 448b
- Thalassiosira oestrupii*, Indian Ocean W equatorial, 419b
- Thalassiosira* sp.
 Maldives Ridge: Site 714, 459b
 Mascarene Plateau, 459b, 461b
- Thalassiosira yabei elliptica*, Maldives Ridge: Site 714, 422b-423b
- Thalassiothrix longissima*, Indian Ocean W equatorial, 448b
- Theocorythium vetulum*, Indian Ocean W equatorial, 404b
- Theocyrtis tuberosa*, Madingly Rise: Site 709, 402b
- Theocyrtis tuberosa* Zone
 Indian Ocean W equatorial: Site 708, 401b, 412a
- Indian Ocean W equatorial: Site 711, 402b, 669a
 Madingly Rise: Site 709, 474a
 Madingly Rise: Site 710, 602a
 Mascarene Plateau, 252a, 396b, 401b
- Thyrsoocyrtis bromia* Zone
 Indian Ocean W equatorial: Site 711, 669a
 Madingly Rise: Site 709, 474a
 Mascarene Plateau, 252a
- Thyrsoocyrtis triacantha* Zone
 Chagos Bank, 403b
 Chagos Brink, Site 713, 746a
 Indian Ocean W equatorial: Site 711, 669a
 Madingly Rise: Site 709, 402b, 474a
- Toweius* sp.
 Indian Ocean W equatorial, 155b
 Indian Ocean W equatorial: Site 711, 172b
- Tribrachiatus bramlettei*, Mascarene Plateau, first occurrence, 134b
- Triceratium*, Indian Ocean W equatorial, 448b
- Triceratium americanum*
 Indian Ocean W equatorial, 448b
 Mascarene Plateau, 461b
- Triceratium brachiatum*
 Indian Ocean W equatorial, 448b
 Indian Ocean W equatorial: Site 708, 461b
- Triceratium Groningensis*, Indian Ocean W equatorial, 449b
- Triceratium westianum*
 Chagos Bank: Site 713, 461b
 Indian Ocean W equatorial, 448b
 Mascarene Plateau, 461b
- Trinacria subcapitata*, Indian Ocean W equatorial, 448b
- Triquetrorhabdulids, Indian Ocean W equatorial, 216b-217b
- Triquetrorhabdulus*, Indian Ocean W equatorial, 180b
- Triquetrorhabdulus auritus*, Madingly Rise: Site 710, 234b
- Triquetrorhabdulus carinatus*
 Indian Ocean W equatorial
 first occurrence, 244b
 last occurrence, 182b
 Indian Ocean W equatorial: Site 711, 234b, 665a
 Madingly Rise: Site 710, 600a
 last occurrence, 275b
 Maldives Ridge: Site 715, 206b
- Triquetrorhabdulus challengerii*
 Indian Ocean W equatorial, 216b
 Indian Ocean W equatorial: Site 711, 234b
- Triquetrorhabdulus extensus*, Maldives Ridge: Site 713, 229b
- Triquetrorhabdulus extensus*-*Amaurolithus amplificus* intergrade, Chagos Bank: Site 713, 229b
- Triquetrorhabdulus milowii*, Madingly Rise: Site 709, 234b
- Triquetrorhabdulus rioensis*, Indian Ocean W equatorial, 181b
- Triquetrorhabdulus rugosus*
 Chagos Bank: Site 713, 228b
 Indian Ocean W equatorial, 181b, 216b
 Madingly Rise: Site 709, 228b
 Mascarene Plateau, last occurrence, 247a
- Triquetrorhabdulus rugosus*-*Triquetrorhabdulus rioensis*, Indian Ocean W equatorial, first occurrence, 248b
- Triquetrorhabdulus serratus*
 Indian Ocean W equatorial, 216b
 first occurrence, 182b, 247b
 Madingly Rise: Site 710, 234b
- Trochosira coronata*, Indian Ocean W equatorial, 448b

- Trochosira trochlea*, Indian Ocean W equatorial, 448b
- Turborotalia pomeroli*, Indian Ocean W equatorial, 307b
- Turborotalia praecentralis*, Maldives Ridge: Site 715, 393b
- Turborotalia pseudoampliapertura*, Madingly Rise: Site 709, 312b
- Turborotalia pseudoampliapertura/T. in-crebescens*, Madingly Rise: Site 709, 312b
- Umbilicosphaera* sp.
Indian Ocean W equatorial, 155b
Nazareth Bank, 172b
- Uvigerina*, Indian Ocean W equatorial, organic carbon flux, 595b
- Uvigerina auberiana*
Madingly Rise: Site 709, 473a
Nazareth Bank, 136a
- Uvigerina flintii*, Maldives Ridge: Site 716, 378b
- Uvigerina hispida*
Madingly Rise: Site 709, 379b
Mascarene Plateau, 251a
- Uvigerina hispidocostata*
Madingly Rise: Site 709, 379b
cadmium/calcium ratio, 615b
Mascarene Plateau, 251a
- Uvigerina hispidocostata-Globocassidulina sub-globosa* association, Madingly Rise: Site 709, 472a
- Uvigerina ongleyi*, Mascarene Plateau, 251a
- Uvigerina pigmea*, Maldives Ridge: Site 716, 378b
- Uvigerina proboscidea*, Mascarene Plateau, 378b
- Uvigerina schwageri*
Maldives Ridge: Site 716, 378b
Mascarene Plateau, 378b
- Uvigerina* sp.
Madingly Rise: Site 709, 379b
Madingly Rise: Site 710, 379b
Maldives Ridge: Site 714, 378b
Maldives Ridge: Site 716, 378b
- Uvigerina spinicostata*, Madingly Rise: Site 709, 379b
- Uvigerina spinulosa*
Maldives Ridge: Site 714, 378b
Mascarene Plateau, 378b
- Uvigerinids, Maldives Ridge: Site 714, oxygen isotopes, abundances and, 599b-604b
- Vulvulina spinosa*, Indian Ocean W equatorial: Site 708, 379b
- Xanthiopyxis* spp., Indian Ocean W equatorial, 448b
- Zygrhablithus bijugatus*
Indian Ocean W equatorial, 146b
last occurrence, 244b-255b
Indian Ocean W equatorial: Site 711, 139b
Madingly Rise: Site 709, 253b