

INDEX TO VOLUME 160

This index covers both the *Initial Reports* and *Scientific Results* portions of Volume 160 of the *Proceedings of the Ocean Drilling Program*. References to page numbers in the *Initial Reports* are preceded by “A” with a colon (A:) and to those in the *Scientific Results* (this book) by “B” with a colon (B:). In addition, reference to material on CD-ROM is shown as “bp:CD-ROM.”

The index was prepared by Earth Systems, under subcontract to the Ocean Drilling Program. The index contains two hierarchies of entries: (1) a main entry, defined as a keyword or concept followed by a reference to the page on which that word or concept appears; and (2) a subentry, defined as an elaboration on the main entry followed by a page reference.

The index covers volume text, figures, and tables but not core-description forms (“barrel sheets”), core photographs, smear-slide data, thin-section descriptions, or CD-only tables. Also excluded from the index are bibliographic references, names of individuals, and routine front and back matter.

The Subject Index follows a standard format. Geographical, geologic, and other terms are referenced only if they are subjects of discussion. A site chapter in the *Initial Reports* is considered the principal reference for that site and is indicated on the first line of the site’s listing in the index. Such a reference to Site 963, for example, is given as “Site 963, A:55–84.”

The Taxonomic 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) individual genera and species that have been erected or emended formally, (2) biostratigraphic zones, and (3) fossils depicted in illustrations. A taxonomic entry consisting of both genus and species is listed alphabetically by genus and also by species. Biostratigraphic zones are listed alphabetically by genus; zones with letter prefixes are listed under “zones.”

For further information, including available electronic formats, contact the Chief Production Editor, Ocean Drilling Program, 1000 Discovery Drive, College Station, Texas 77845-9547, U.S.A., e-mail: pub_production@ODP.TAMU.EDU

VOLUME 160 SUBJECT INDEX

- Abu Madi sands, sediments, B:496
 accessory minerals, vs. depth, A:96
 accretion
 paleogeography, B:672–673
 tectonics, A:14–16
 See also plate tectonics; tectonics
 accretionary complexes
 emplacement, B:736
 geology, A:337
 mud, A:13–14
 mud matrix, B:587–588
 mud volcanoes, B:575–595, 665–680
 seamounts, B:692–693
 stages of development, B:674
 tectonics, A:5; B:673–675
 See also plate tectonics; tectonics
 acoustic properties
 well-logs, B:535–543
 See also physical properties; well-logs
 Actinommids, Site 971, B:139, 144, 148–149
 active margins
 collision with seamounts, B:465–481
 See also collisions; continental margins; plate tectonics
 Adana. *See* Cilicia-Adana Basin
 Adana Basin, tectonics, A:6; B:750–759, 773–775
 advection, lateral flow, A:311, 313
 Adventure Bank, tectonics, A:16, 73, 78
 Aegean. *See* South Aegean Volcanic Arc
 Aegean backarc basin system, tectonics, A:5–6
 Aegean Sea
 paleogeography, B:672
 sandstone, B:584
 Africa
 clast lithology, B:585–586
 paleoclimatology, B:327–328
 sandstone, B:584
 See also North Africa
 African Plate
 crust, B:727
 Eocene–Miocene succession, B:496, 498–499
 subduction, A:5–6, 517; B:688
 African–Eurasian plate boundary, tectonics, B:527–534, 688, 713, 730–731, 759
 age vs. depth
 Eratosthenes Seamount, B:511–514
 Mediterranean Sea E, B:65, 68, 71
 Site 963, A:71; B:112
 Site 964, A:103
 Site 965, A:135
 Site 966, A:177, 179
 Site 967, A:242–243; B:187
 Site 968, A:303
 Site 969, A:356, 358; B:110
 Site 973, A:481
 Aiya Varvara metamorphics, tectonics, B:769
 Akamas Peninsula, lithofacies, B:774
 Akrotiri Peninsula
 fanglomerate, B:556–560
 geology, A:290; B:741, 743, 751
 Akseki carbonate platform, tectonics, B:750
 Aksu Basin
 offshore geology, B:737–738
 tectonics, B:749–750, 774
 Alanya Massif, tectonics, B:749–750, 766
 Albian
 mud breccia, A:12–14
 zoning, B:384
 albite
 petrography, B:456
 sediments, B:581
 alcohol isomers, mass spectra, B:289
 alcohols
 sapropels, B:265
 See also n-alcohols; ter-alcohols
 alcohols, steroid, carbon number, B:279
 algae
 lithologic units, A:223; B:492
 sapropels, B:265–266, 279, 289
 algae, calcareous
 biostratigraphy, A:135
 Miocene, B:421
 algae, haptophyte, sapropels, B:289
 algal material, Miocene, B:420–421
 alkalinity
 carbonates, A:67, 69
 depth, A:366
 diagenesis, A:110, 311, 363, 366
 organic matter, A:110, 247, 310–311, 363
 pore water, A:187, 437, 485; B:572
 sapropels, B:258
 vs. depth, A:80, 114, 191, 253, 312, 394–396, 436–437, 486; B:371
 alkan-1,13,30-triol
 mass spectra, B:289
 sapropels, B:287, 289
 alkan-1,15-diols, long-chain, sapropels, B:277
 alkan-1-ol-n-ones, sapropels, B:277, 279
 alkandiols
 sapropels, B:287
 See also diols
 alkanes. *See* iso-alkanes; n-alkanes; ter-alcohols
 alkanes, isoprenoid, sapropels, B:287–288
 alkanolones. *See* ketols
 alkanols, sapropels, B:287, 289
 alken-2-ols
 mass spectra, B:289
 partial gas chromatograms, B:292
 sapropels, B:286–287, 289
 alken-2-one, sapropels, B:286–287
 alken-3-ols
 mass spectra, B:289
 partial gas chromatograms, B:292
 sapropels, B:286–287, 289
 alken-3-one, sapropels, B:286–287
 alkenes, sapropels, B:287
 alkenols, sapropels, B:264
 alkenones
 bitumens, A:115, 117, 189, 251–252
 sapropels, B:273, 286–287, 289
 temperature records, B:309–331
 alkenones, long-chain, sapropels, B:265–266, 276
 allochthons, emplacement, B:736
 alluvial fans
 lithofacies, B:551, 558–559
 sedimentation model, B:563–564
 tectonics, B:746, 748–749
 alteration, diagenesis, B:424
 aluminum
 electron microscopy, B:346
 vs. depth, A:271; B:200
 See also barium/aluminum ratio; calcium/aluminum ratio; chromium/aluminum ratio; iron/aluminum ratio; magnesium/aluminum ratio; major elements/aluminum ratio; manganese/aluminum ratio; nickel/aluminum ratio; potassium/aluminum ratio; silicon/aluminum ratio; titanium/aluminum ratio; vanadium/aluminum ratio; zirconium/aluminum ratio
 aluminum logs
 gypsum, A:263
 vs. depth, A:271
 aluminum oxide logs, vs. depth, A:285–287
Amaurolithus spp.
 abundance, B:104
 Zanclean abundance, B:118–119
 ammonium
 lateral flow, A:250, 311, 313
 organic matter, A:247, 310–311, 363
 pore water, A:187, 392
 vs. depth, A:79, 114, 191, 253, 312, 366, 394–396, 436; B:371
 amphibolites, basement, B:735
 analcime, origin, B:587
 analcite. *See* analcime
 Anatolia. *See also* East Anatolian Fault; South Anatolian Fault Zone
 Anatolian plate boundary, tectonics, B:718, 768
 Anaximander Mountains
 carbonate platforms, B:741
 lithofacies, B:459, 775
 offshore geology, B:736–737
 Andirin. *See* Misis-Andirin Complex
 ankerite
 origin, B:586–587
 sediments, B:581
 anoxia
 isotopic stratigraphy, B:178–179
 organic carbon in sapropels, B:257, 285–295
 provenance of trace elements, B:202
 sapropels, A:21, 23–24; B:33, 267–268, 274
 sediment fabric and composition, B:659–660
 Zanclean, B:120
 See also euxinia; photic zone
 anoxic basins, geology, A:337
 Antalya Basin
 conglomerate comparison, B:563
 Cretaceous–Paleogene succession, B:413–414
 lithofacies, B:459
 tectonics, A:6; B:773, 775
 volcanism, B:766
 Antalya Complex
 geologic map, B:739
 Mesozoic, B:738–741, 769–770
 offshore geology, B:737–738
 Antalya travertine, geology, B:737–738
 anticlines, lineaments, B:759
 apatite, diagenesis, B:408
 Apennines, tectonics, A:15
 apolar fraction
 gas chromatograms, B:290
 lipids, B:287, 294–295
 Apolos Formation, lithofacies, B:553
 Aptian
 chalk, B:406
 mud breccia, A:12–14
 Neotethys, B:726
 zoning, B:384
 Aptian, upper, hiatuses, B:522
 Apulia, tectonics, A:15
 Aquitanian, deposition, B:433–434
 Arabian margin, tectonics, B:759–760, 764, 769–770, 775–776

- Arabian Peninsula, tectonics, A:6
 Arabian Plate, Cretaceous–Paleogene succession, B:412
 aragonite
 photomicrograph, B:424–425
 X-ray diffraction data, B:428, 474
 arc structures, lineaments, B:759
 Ardana. *See* Kalagrai–Ardana Unit
 arsenic, vs. depth, B:201
 Arsos Formation, Oligocene–Miocene succession, B:744
 Aslantas Formation, tectonics, B:758
 Aslantas-Iskenderun Basin, tectonics, B:758
 asphaltenes, sapropels, B:274
 astronomical calibration, lower Pleistocene, B:191–197
 Athalassa Formation, Pliocene channels, B:478
 Atterberg limits, sediments, B:633, 638
 authigenesis, formation, B:368–370
 Ayios Photios Group
 basement, B:734–736
 tectonics, B:704–705, 771
- Bachmayerella tenuis*
 Pliocene–Quaternary succession, B:125–135
 vs. planktonic foraminifer and calcareous nannofossil zones, B:126–128
 backthrusting, accretionary wedges, B:673–675, 677
 bacteria
 sapropels, B:249–259, 266–267, 274–281, 303–307
 sulfate reduction, B:368–371, 677
 vs. depth, B:304, 306
 See also cyanobacteria
 Baer-Bassit Unit
 ophiolite, B:760–769
 tectonics, B:753
 Balearic Basin. *See* North Balearic Basin
 Bannock Structure, moats, B:500–501
 Barbados, mud volcanoes, B:670
 barite, authigenic, formation, B:368–370
 barium
 productivity, B:211, 213
 vs. depth, B:200, 370
 barium/aluminum ratio, vs. depth, B:210, 212
 basement
 lithology, B:745
 Mesozoic, B:734–736
 basins
 Early to Mid-Cretaceous, B:726
 geology, B:737–738
 Late Triassic, B:725
 tectonics, A:56–58; B:704
 bathyal environment, Upper Cretaceous, B:408
 bathymetry
 seamounts, A:8–10; B:710
 Site 964, A:87–88
 structures, A:466–467
 Beato Angelico Trough, tectonics, A:87–88
 bedding
 clasts, B:583
 Formation MicroScanner, B:521
 lithofacies, B:408
 Messinian–Pliocene succession, B:458–459
 photograph, A:184
 projection, A:75
 structural data, A:358–359, 431, 458, 481, 492; B:520
 See also graded bedding
 bedding planes
 fabric, A:428
 lithologic units, A:220–222
 photograph, A:426
 projection, A:359, 459, 481
 structural data, A:63–64, 136
 beidellite, Formation MicroScanner logs, B:619
 Bellapais Formation, tectonics, B:746, 748–749
 benzenes, alkylated, sapropels, B:288
 beta-carotene derivative, sapropels, B:287
 beta-sitosterol, sapropels, B:266
 Bey Daglari carbonate platform unit
 geology, B:738–741
 tectonics, B:750
 Beysehir-Hoyran Nappes, tectonics, B:770–771
 biocalcarenitic, mud breccia, A:11–14
 biochronology
 Pliocene–Pleistocene nannofossils, B:109
 sapropels, B:193
 sedimentation rates, B:108–109
 stable isotopes, B:167–180
 bioclasts
 diagenesis, B:427, 475
 lithofacies, B:476, 495
 mud breccia, B:598, 602
 photomicrograph, B:475, 506
 bioevents
 base of MNN14–MNN15 Zone, B:104
 composite, A:355, 392, 433, 457, 480; B:102, 108
 depth and proposed age, B:162
 list, B:169–170
 nannofossils, B:102, 108
 planktonic foraminifers, B:380
 Site 963, A:70
 Site 964, A:101
 Site 965, A:134
 Site 966, A:174–175
 Site 967, A:240–241
 Site 968, A:301
 biomarkers, organic matter, B:261–269, 271–283, 285–295, 352, 355–356
 biomicrite
 lithologic units, A:162
 mud breccia, B:601
 photograph, A:132
 photomicrograph, B:405, 407, 426, 473, 475
 biomicrite clasts, photomicrograph, B:473
 biosparite
 lithologic units, A:223
 photograph, A:133, 173–174
 biostratigraphic age, vs. organic carbon, B:274
 biostratigraphic datums
 position and astronomical ages, B:193
 sedimentation rates, A:231, 233
 biostratigraphy
 Eocene, B:395–401
 lower Pleistocene, B:191–193
 mass flow units, B:467
 Messinian/Pliocene boundary, B:9–17
 paleobathymetry, B:511
 Pliocene–Quaternary succession, B:83–112, 125–135
 Site 963, A:60–63
 Site 964, A:100–102
 Site 965, A:132–135
 Site 966, A:164, 170, 173–176
 Site 967, A:224–231, 264–265
 Site 968, A:298–303
 Site 969, A:344, 348, 351–355, 374
 Site 970, A:385–387, 389–390
 Site 971, A:431–435
 Site 972, A:454–458
 Site 973, A:477–479
 Zanclan, B:113–123
 biosynthesis, sapropels, B:276, 290, 292
 biotite, petrography, B:455
 bioturbation
 lithofacies, B:408
 lithologic units, A:59, 129–130, 161, 220–222, 340–342
 paleoenvironment, A:162–164
 photograph, A:65–66, 68–69, 235–238, 299; B:406
 Pliocene, B:457
 sapropels, A:95–96; B:334–337
 Bitlis Suture Zone, tectonics, A:6; B:763, 770
 Bitlis-Puturge massifs, tectonics, B:761
 bitumens, extractable, sediments, A:115, 117, 189–190, 251–252, 370–371
 bitumens, paleoenvironment, A:164
 bivalves
 basement, B:735
 lithologic units, A:162
 photograph, A:173; B:422
 photomicrograph, B:425–426, 473, 475
 Black Sea, mud domes, B:670
 Blake Event, magnetostratigraphy, B:71–72
 Bolbofma, biostratigraphy, A:102, 135, 176, 355
 bone beds, lithofacies, B:555
 borehole extension, fractures, B:530–534
 brassicasterol, sapropels, B:266
 breccia
 lithologic units, A:381–383
 photograph, A:249, 387, 483
 tectonics, B:749
 See also carbonate breccia; limestone breccia; microbreccia; mud breccia
 breccia, clast-supported, lithofacies, B:471
 breccia, matrix-supported
 carbonates, B:494–496, 687
 Formation MicroScanner logs, B:616
 photomicrograph, B:508
 brecciation
 limestone clasts, B:474
 photograph, B:422–423
 brines, geochemistry, A:115; B:368–371
 bromine
 evaporites, A:113
 pore water, A:187, 485
 vs. depth, A:79, 114, 191, 487
 vs. potassium, strontium, and lithium, A:115
 bromine/chlorine ratio, vs. depth, A:487
 Brunhes Chron
 magnetostratigraphy, B:64, 66, 70, 72
 remanent magnetization, A:63, 78, 103–104, 135–136, 177, 179, 234
 See also Matuyama/Brunhes boundary
 Burdigalian, deposition, B:433–434
 Burdur Basin, conglomerate comparison, B:563
 Burdur Fault Zone, offshore geology, B:737
 burrows
 axial ratio, B:524
 chalk, B:410
 fabric, A:186
 laminations, B:337–338
 lithofacies, B:408
 lithologic units, A:59–60, 221–223, 294, 340–342, 423, 454
 photograph, A:66, 68–69, 76, 97, 99, 169–172, 186, 235–238, 247, 299, 347, 350–351; B:422
 photomicrograph, B:342
 sedimentary structures, B:471
 See also Chondrites; Planolites; trace fossils; Teichichnus; Zoophycos
 butane. *See* iso-butane
 cadmium, vs. depth, B:201
 Calabrian accretionary wedge
 sapropel age, B:187, 191–197
 tectonics, A:87–88, 118

- Calabrian Ridge
geology, A:337
tectonics, A:16, 87–88
- calcarenite
Aptian, B:406
deformation, A:241, 266
photograph, A:249
Pliocene channels, B:477–478
- calcarenite, brecciated, deformation, A:242
- calcarenite, pelagic, petrography, B:579
- calcarenite, shallow-water, petrography, B:579
- calclutite
deformation, A:238–239
lithologic units, A:222–223, 266
origin, B:587
photograph, A:174
- calciuridite, mass flow units, B:467–468
- calcite
clasts, B:598
composition, B:4, 442
deformation, A:240
diagenesis, A:188; B:429
electron microprobe data, B:428
lithologic units, A:129–130, 294, 340; B:438–439
petrography, B:456
photograph, A:132–133, 185
sediments, B:447–448, 581
vs. depth, B:5
X-ray diffraction data, B:427–428, 474
- calcite, fibrous, photomicrograph, B:595
- calcite, inorganic
lithologic units, A:222, 295
vs. depth, A:96, 164, 228, 297, 342
- calcite, magnesian, origin, B:587
- calcite, sparry, photomicrograph, B:405, 425–426, 472–473, 506, 593
- calcite/dolomite ratio, carbonates, B:448
- calcite cement, photograph, A:249
- calcluturbidite
paleogeography, B:414–415, 743
photomicrograph, B:593
Pliocene, B:457
- calcium
carbonates, A:67, 69; B:448
diagenesis, A:188
gypsum, A:250, 311
pore water, A:113, 392, 485
vs. chlorine, A:254
vs. depth, A:80, 114, 192, 255, 314, 367, 394–396, 437, 486
vs. NaCl-extracted sulfur, B:252
vs. sulfate, A:255; B:259
X-ray fluorescence data in carbonates, B:450
See also hydrogen/(silicon + calcium) ratio; silicon/(silicon + calcium) ratio; strontium/calcium ratio; sulfur/calcium ratio
- calcium/aluminum ratio, vs. depth, B:210, 212
- calcium/chlorine ratio, vs. depth, A:256, 314, 367; B:572
- calcium/magnesium ratio
diagenesis, A:366
vs. depth, A:192, 314
- calcium carbonate, sediments, A:69–70, 80–81, 113, 116–117, 137–138, 188–189, 193, 250, 256–257, 313, 315–316, 367–369, 395, 398, 439–440, 461, 488; B:13–15, 17, 21
- caliche?, photograph, A:132
- caliper logs, vs. depth, A:144–147, 150–151, 200–206, 208–213, 264–266, 274–281, 323–324, 404–408, 446; B:539–540
- Caltanissetta Basin, tectonics, A:15
- Campanian
basement, B:734, 776
biostratigraphy, B:400–401
carbonate compensation depth, B:499
stratigraphy, B:412
tectonic models, B:769
- Campanian–Maastrichtian succession, plate tectonics, B:771
- campesterol, sapropels, B:266–267
- Cannobotryid group, Site 971, B:142, 152
- canthaxanthin, sapropels, B:298–302
- carbon
electron microscopy, B:344
sediments, A:69–70, 80–81, 113, 116–117, 137–138, 188–189, 193, 250, 256–257, 313, 315–316, 367–369, 395, 398, 439–440, 459–461, 485–488
See also sulfur/carbon ratio
- carbon/nitrogen ratio
carbonates, A:69, 264
diagenesis, A:110, 366; B:274
organic matter, B:34
vs. depth, B:200
- carbon/sulfur ratio, organic matter, B:34
- carbon, organic
bacteria, B:305–306
normal faults, B:650, 656
sapropels, A:21, 23–24, 165–166, 354, 478–479; B:201, 229, 262–263, 272–274, 286, 354
sedimentation rates, B:34
sulfate reduction, B:253–254
vs. age, B:317, 318, 324–327
vs. alkenone sea-surface temperature, B:280
vs. biostratigraphic age, B:274
vs. carbon isotopes, B:179
vs. degree of pyritization, B:254
vs. depth, A:82, 118, 194–195, 258, 262, 317, 369, 371, 399, 441, 461, 488; B:200, 251, 305, 658
vs. hydrogen index, A:195, 260, 370; B:275
vs. iron, B:255
vs. sterols, B:279
vs. total sulfur, B:254
- carbon, organic/nitrogen ratio
sediments, A:395–396, 439, 460, 486
vs. depth, A:70, 82, 113, 115, 118, 189, 194, 250–251, 258, 313, 317, 369–370
- carbon isotope signal, Messinian/Pliocene boundary, B:7
- carbon isotopes
biochronology, B:167–180
carbonates, B:448–450
Cretaceous, B:384, 389–390
Incertae sedis, forma A, B:132
mean values, B:178
ooze, B:17–18, 21
sapropels, B:309–331
sediments, B:13–15
vs. age, B:316–317, 389
vs. depth, B:6, 21, 177–178, 200, 389, 449
vs. Messinian/Pliocene boundary, B:6
vs. organic carbon, B:179
vs. oxygen isotopes, B:450
vs. oxygen isotopes of *Globigerinoides obliquus*, *Oridorsalis stellatus*, and *Incertae sedis*, forma A, B:132
vs. planktonic foraminiferal zones, B:389
- carbon number
sapropels, B:264, 280
steroid alcohols, B:279
- carbonate breccia, matrix-supported, lenses, B:494–496
- carbonate clasts
lithologic units, A:130, 161
lithology, A:266
- carbonate compensation depth
Cretaceous–Eocene succession, B:499
Cretaceous–Paleogene succession, B:413
Upper Cretaceous, B:408
- carbonate content
ooze, B:17
sapropels, B:272–274
sediments, B:634–636
vs. depth, A:82, 118, 194, 258, 317, 369, 399, 441, 461, 488; B:200, 210, 212, 221, 223, 440, 658
- carbonate grains, petrography, B:580
- carbonate logs, vs. depth, A:285–287
- carbonate platforms
evolution of seamount in relation to Eratosthenes Seamount, B:696–697
history, A:266–267
Lower Cretaceous, B:404, 406, 408
Mesozoic, B:740–741
tectonics, B:671
- carbonates
atomic absorption data, A:192
composition, B:4
diagenesis, A:67, 69, 110, 188, 311, 363, 366
dissolution, B:231, 234, 237, 240, 245
electron microprobe data, B:428
fragmentation, A:136
geochemistry, B:447–451
lithologic units, A:130, 143
paleoenvironment, B:483–508
paleogeography, B:414–415
photomicrograph, B:8, 405, 407, 409
shallow-water facies, B:378
X-ray diffraction data, B:427–428
- carbonates, bathyal-pelagic, Oligocene, B:410, 412
- carbonates, fine-grained, petrography, B:578–579
- carbonates, laminated, photomicrograph, B:405
- carbonates, neritic
Early Cretaceous, B:404, 406, 408
shallow-water carbonate platforms, B:404, 406, 408
- carbonates, pelagic
lithofacies, B:408, 683
photograph, B:406
photomicrograph, B:407, 409, 593
Upper Cretaceous, B:408
- carbonates, shallow-water, Miocene, B:419–436, 684–685
- carbonates, silicified, photomicrograph, B:405
- Carmel. *See* Mount Carmel
- carotene. *See* beta-carotene derivative
- carotenoids, sapropels, B:298–302
- cells, dividing, bacteria, B:304–306
- cementation
diagenesis, B:424–425, 427, 581, 583
sparry calcite, B:474
- Cenomanian
hiatuses, B:522
stratigraphy, B:413
tectonic models, B:769
zoning, B:384
- Cenomanian–Turonian succession, plate tectonics, B:770
- ceratolith taxa, abundance, B:104
- Ceratolithus rugosus*, abundance, B:104
- chain length, vs. alkenone sea-surface temperature, B:279–280
- chalk
Aptian, B:406
biostratigraphy, B:395–401
Cretaceous, A:127; B:406

- deformation, A:238–239
Messinian–Pliocene succession, B:458–459, 491
petrography, B:471
stratigraphy, B:703
tectonics, B:704
- chalk, bioturbated, Formation MicroScanner, B:498
- chalk, foraminifer–nanofossil
lithologic units, A:222–223
photograph, A:238–239
- chalk, micritic, deformation, A:242
- chalk, nanofossil
Aptian, B:406
lithofacies, B:469–471
photograph, A:237, 247–248
- chalk, pelagic
lithofacies, B:408
middle Eocene, B:410
Miocene, B:690
- chalk, silicified, photomicrograph, B:407
- chalk clasts, lithofacies, B:469, 555
- channels, lithofacies, B:554, 557
- chaotic beds, photograph, A:230
- chemostratigraphy, Messinian/Zanclean boundary, B:17, 21
- chemosynthetic processes, mud domes, A:11
- chert
diagenesis, B:408, 684
lithologic units, A:162
paleoenvironment, A:163–164
petrography, B:455
- chert, black, photograph, A:238
- chert, radiolarian, photomicrograph, B:592
- chert nodules, photograph, A:238
- chevron folding, photograph, A:308
- chevron structures, deformation, A:304, 307, 310
- chlorine
diagenesis, A:311
evaporites, A:69, 247, 249, 311, 366–367
pore water, A:110, 186, 391–393, 485
vs. calcium, A:254
vs. depth, A:79, 114–115, 190, 254, 314, 367, 393–395, 436–437, 486; B:571
vs. potassium, strontium, and lithium, A:115
vs. sodium, A:254, 313
See also bromine/chlorine ratio;
calcium/chlorine ratio; lithium/chlorine ratio;
magnesium/chlorine ratio;
potassium/chlorine ratio;
sodium/chlorine ratio;
strontium/chlorine ratio;
sulfate/chlorine ratio
- chlorine/hydrogen ratio
vs. depth, A:271
See also salinity logs
- chlorinity
gas hydrates, B:669
pore water, A:67
- chlorins, sapropels, B:298–302
- chlorite
abundance, B:241
electron microscopy, B:443–444
lithologic units, B:438
petrography, B:455
provenance, B:238
vs. depth, B:221, 223
- chlorophyll
sapropels, B:298–302
See also deep chlorophyll maximum
- chlorophyllone alpha, sapropels, B:298–302
- cholesterol, sapropels, B:266
- Chondrites*
chalk, B:410
- laminations, B:337–338
- lithofacies, B:408
- lithologic units, A:59–60, 220–223, 294, 341–342, 423
- photograph, A:66, 68–69, 99, 169–171, 196, 235, 237, 299, 350–351
- photomicrograph, B:342
- chromium, vs. depth, B:201
- chromium/aluminum ratio
sedimentation, B:213–214
vs. depth, B:210–212
- chronology, lower Pleistocene, B:191–197
- chronostratigraphy
Messinian/Zanclean boundary, B:115–118
Pliocene–Quaternary succession, B:161–164
Pliocene/Quaternary boundary, B:101
- Cilicia Basin, tectonics, A:6
- Cilicia-Adana Basin, tectonics, B:749–750
- circulation, paleoceanography, A:21
- clams, mud domes, A:11
- clast area, vs. depth, B:628–629
- clast lithology
mineralogy and composition, B:584–585
origin, B:584–586
- clast size, vs. depth, A:385, 387, 428
- clastic environment, sedimentation, B:563–564
- clastics, carbonate–quartzose, petrography, B:579
- clastics, clay-rich, petrography, B:580
- clasts
carbonates, B:428–429
characteristics, A:389, 427–430
diagenesis, B:581, 583
distribution, B:602, 671, 677
halite, B:669
lithofacies, B:550–559
lithologic units, A:424, 430–431
lithology, A:400–401
mass flow units, B:468
Messinian–Pliocene succession, B:458–459, 685–686
mud breccia, A:11–14; B:598–599
mud domes, A:522–524
mud volcanoes, B:575–595
occurrence, A:445
paleogeography, B:672–673
petrography, B:471, 577–579
photograph, A:230, 245
photomicrograph, B:472–473, 591–593
Pliocene channels, B:477–478
provenance and age, B:668
structural data, A:483
See also bioclasts; biomicrite clasts; carbonate clasts; chalk clasts; crystalloclasts; intraclasts; limestone clasts; lithoclasts; mud clasts; mudstone clasts; sandstone clasts; siltstone clasts
- clasts, shardlike, petrography, B:579
- clathrates
mud domes, A:394, 522–524
occurrence, A:445
sediments, A:394–395
See also gas hydrates
- clay
abundance, B:241
electron microscopy, B:443–444
lithologic units, A:220–222, 295, 469–471; B:438
photograph, A:230, 233–234, 298, 300
pore water, A:187
vs. depth, A:96, 164, 228, 297, 342, 385
- clay, calcareous, lithologic units, A:130, 340; B:438, 454
- clay, nanofossil
lithologic units, A:59, 92–93, 129–130, 220–222, 294–295, 339–340, 381, 421–423, 452–454; B:438
- lithostratigraphy, A:75–76, 78
- photograph, A:237, 344, 426, 455–457, 471–472, 474
- clay, silty
lithologic units, A:294–296, 423–424, 427–428; B:438
photograph, A:300, 345–346, 424, 430, 474–475; B:341
- clay minerals
lithologic units, A:59; B:438
matrix, B:599–600, 668
matrix composition vs. depth, B:603–604
Messinian–Pliocene succession, B:440
origin, B:586–587
sapropels, B:35, 235, 241–245
vs. depth, B:221, 223
- clays. *See* mixed-layer clays
- claystone
mud domes, A:522–524; B:668
petrography, B:577, 580
photograph, A:429
- claystone, calcareous, photograph, A:477
- cobalt, vs. depth, B:201
- Cobb Mountain Cryptochron,
magnetostratigraphy, B:64, 72
- Cobblestone 3 diapiric area, mud breccia, B:602
- cobblestone topography
geology, A:337
Pliocene–Quaternary succession, A:88
- Coccolithus pelagicus*, Zanclean abundance, B:119
- Cochiti Subchron, remanent magnetization, A:179, 356–357
- coercivity, magnetic intensity, A:500
- collisions. *See* continental collisions
- Collospherid group, Site 971, B:138, 149
- color. *See* lithofacies/color ratio
- color banding
deformation, A:307, 310
lithologic units, A:422, 454, 471, 474; B:438
photograph, A:97–100, 308, 343, 457, 476
- color reflectance. *See* reflectance
- compaction
deformation, A:180, 182
diagenesis, B:427
- composite depths
continuous sedimentary sequences, B:37–59
- depth offsets, A:113
- lithology, A:95
- revision, B:45, 53, 55, 57
revision procedure, B:41
- section construction, B:40–41
- Site 963, A:64, 66, 76
- Site 964, A:106, 108
- Site 966, A:182–183, 185–186
- Site 967, A:242–244, 246
- Site 968, A:310
- Site 969, A:362–363
- Site 973, A:484
- splice tie points, A:78, 113, 189, 253, 366, 485
- compressional tectonics
composite depths, A:363
plate tectonics, A:9–10
uplifts, B:690, 716–717
- compressional wave velocity
acoustic properties, B:536–543
sediments, A:72, 83, 118, 122, 138–139, 191, 197, 254, 261, 314, 319, 371–372, 397, 401, 442–443, 460, 462, 488–489;
bp:CD-ROM
vs. bulk density, B:538, 541
vs. depth, A:84, 122, 140, 198, 262, 319, 373,

- 463, 490
 vs. dolomite, B:537–538
 vs. insoluble residues, B:538
 vs. porosity, B:538, 541
 conductive heat, sediments, A:317
 conglomerate
 lithofacies, B:549–564
 lithologic units, A:381–383
 photograph, A:387
 Pliocene channels, B:477–478
See also fanglomerate; gravel;
 paraconglomerate; pebbles
 conglomerate, clast-supported, lithofacies, B:471
 Coniacian, stratigraphy, B:412
 consolidation tests, sediments, B:630–632, 637–
 640
 continental collisions
 continental margins, A:6–10
 seamounts, A:513–520; B:709–721
 seamounts with active margins, B:465–481,
 681–699
 subsidence, B:509–515
 tectonics, A:14–16; B:670–672, 772
 continental margins
 continental collisions, A:6–10
 divergence, B:706
See also active margins; passive margins
 convergent plate boundaries
 evolution of seamount in relation to
 Eratosthenes Seamount, B:696–697,
 716–717
 mud volcanism, B:675–678
 seamounts, A:9–10
 copper, vs. depth, B:201
 coral material, Miocene, B:420–421
 corals
 lithologic units, A:223
 Miocene, B:422
 photograph, B:422
 corals, poritid, photomicrograph, B:424–425
 cores, suck-in photograph, A:501
 coring
 gaps, B:52, 54, 56, 58
 magnetic overprints, A:497–505
 correlation
 composite depths, B:42–44
 composite sections, A:91, 342–344
 data sets, B:40
 different Mediterranean sequences, B:163
 lithologic units, A:474, 476
 lithology, A:94–95; B:25
 Pliocene/Pleistocene nannofossil, foraminifer,
Bachymayerella tenuis, and *Incertae
 sedis*, forma A zones, B:129
 sapropels, B:31–33
 sediments, B:220
 to Singa section, B:164
 corrensite, origin, B:587
 Corsica, tectonics, A:15
 Cretaceous
 biostratigraphy, B:377–394
 chalk, A:127
 geology, A:291
 isotope stratigraphy, B:384
 lithologic units, A:222–223
 planktonic foraminiferal zones vs. their
 thickness and sedimentation rate,
 B:386
 planktonic foraminifers, B:378–383
 sedimentation rates, B:384–386
 tectonics, A:14–16
See also individual stages
 Cretaceous, Lower
 basement, B:734–736
 neritic carbonates, B:404, 406, 408, 491,
 683–684
 paleoenvironment, B:500, 683–684
 tectonic models, B:766, 769
 Cretaceous, Lower–Middle, B:726
 Cretaceous, Upper
 bathyal deposition, B:408
 biostratigraphy, B:395–401
 collisions, A:513, 515
 ophiolite, B:761, 764
 paleogeography, B:672
 tectonic models, B:769
 tectonics, B:759
 Cretaceous–Eocene succession,
 paleoenvironment, B:499
 Cretaceous–Holocene succession, hiatuses,
 B:517–526
 Cretaceous–Paleogene succession
 sedimentology, B:403–417
 subsidence, B:512
 Cretaceous/Tertiary boundary, hiatuses, B:384
 Crete
 conglomerate comparison, B:562
 geology, A:337
 paleoceanography, A:21–25
 sandstone, B:584
 tectonics, A:5–6; B:670–671
 thrust sheets, B:585
 crinoid ossicles
 lithofacies, B:408
 photomicrograph, B:409
 crinoids, lithologic units, A:223
 cross laminations
 clasts, B:583
 mud breccia, B:601
 photograph, A:390
 photomicrograph, B:595
See also laminations
 crust
 evolution of seamount in relation to
 Eratosthenes Seamount, B:696–697
 subduction zones, B:694
 crust, oceanic, tectonics, A:14–16
 crystalloclasts, mud breccia, B:598, 601–602
 Cungus Formation, tectonics, B:761
 cyanobacteria
 sapropels, B:265
See also bacteria
 cyclopentenones, alkylated, sapropels, B:288
 cyclostratigraphy
 calcareous plankton, B:155–165
 geochemistry, B:208–211
 middle Pliocene, B:219–226
 sapropels, B:193–195
 Cyprus
 comparison of mass flow units, B:474,
 476–480
 crust, B:727, 768
 crust fragmentation, B:695, 713
 fanglomerate, B:545–566
 flexure, B:513
 Messinian gypsum, B:459–460
 Cyprus E, tectonics, B:750–759
 Cyprus S
 basement, B:741, 743–749
 Cretaceous tectonics, B:704–705
 Cretaceous–Paleogene succession, B:412–413
 diagenesis of Miocene reefs, B:431
 lower Miocene reefs, B:430–431
 uplifts, B:690–691
 upper Miocene reefs, B:431
 Cyprus SE, tectonics, B:751–753
 Cyprus W
 lithofacies, B:477
 plate boundary, B:731–736
 Cyprus margin
 geology, A:126–127, 142–143, 196–197, 199,
 263–267, 290–291, 324–326;
 B:682–683, 686
 Messinian nonmarine deposition, B:437–445
 oceanic crust, B:729
 paleoenvironment, B:453–463
 plate tectonics, A:5–6, 8–10, 515–520;
 B:465–481, 717–720
 Cyprus Trench, tectonics, B:750–751
 Cyprus–Latakia Link zone, tectonics, B:754–756
 Cyrenaica Peninsula, tectonics, A:6; B:670
 debris flows
 carbonates, B:458, 687
 cobblestone topography, A:88
 deformation, A:180, 182, 242
 Formation MicroScanner logs, B:619
 lithologic units, A:381–383, 423–424,
 427–428
 lithology, A:400
 mud breccia, A:12–14; B:600, 677
 mud domes, A:524
 occurrence, A:445
 paleoenvironment, A:162–164
 photograph, A:183, 245, 390, 428
 photomicrograph, B:472–473
 structural data, A:136
See also gravity flows; mass flow deposits;
 mud flows; slumping
 décollement zone
 geology, A:337, 451; B:677
 mud matrix, B:587–588
 seamounts, B:693
 deep chlorophyll maximum, Zanclean, B:119–120
 deformation
 evaporites, A:14–16, 517
 faults, A:104–106
 lithologic units, A:234–235, 238–242
 lithostratigraphy, A:179–180, 182
 mud breccia, B:600
 photograph, A:229, 247–249
 photomicrograph, B:594
 seamounts, B:688–690
 tectonics, A:56–58; B:704
 degassing, geology, A:378–379
 degradation
 organic matter, A:67, 108, 110, 247, 310–311,
 363
 sapropels, B:274
 demagnetization
 magnetic intensity, A:500–501; B:60
 vectors, A:72, 105, 178, 243, 358; B:63,
 65–67, 69
 demagnetization, thermal, intensity-decay curves,
 B:66, 68
 density, vs. depth, A:84, 319, 372, 401, 403, 441,
 462, 489; B:539–540
 density, bulk
 Pliocene–Quaternary succession, B:228
 vs. compressional wave velocity, B:538, 541
 vs. depth, A:122, 140, 144–145, 197–198,
 200–202, 261–262, 264–266, 319,
 325–326, 373, 443, 463, 490
 vs. porosity, B:541
 density, GRAPE, sediments, A:71–72, 118, 138,
 191, 254, 314, 371, 397, 442, 444, 460,
 487
 density, index property, vs. depth, A:140, 198, 262
 density, method C, vs. depth, A:84
 density, wet-bulk, vs. depth, A:83
 density correction logs, vs. depth, A:144–145,
 200, 208–210, 264–266, 325–326, 446

density logs

- vs. depth, A:270, 327, 408, 446
- See also* gamma ray–density–porosity logs; lithodensity logs
- deposition
 - basins, B:456–457
 - carbonates, B:428–429
 - clast lithology, B:584–585
 - clasts, B:586
 - controls, B:433–434
 - history, A:130–132, 223–224, 344, 476–477
 - mass flow deposits, B:478–480
 - models, A:134
 - paleoenvironment, A:96–97, 100, 102–103, 162–164, 296–297, 303, 454
 - sapropels, A:24
- deposition, nonmarine, Messinian, B:437–445
- depth intervals, well-logs, A:142, 199, 263, 322, 404, 445, 491
- des-A-triterpenoids, sapropels, B:287, 289
- Dhekelia, fanglomerate, B:555–556
- Dhiarizos Group
 - basement, B:735
 - tectonics, B:704–705
- di-unsaturated cyclized isorenieratene derivative, mass spectra, B:291
- di-unsaturated isorenieratane derivative, mass spectra, B:291
- diachroneity, cyclostratigraphy, B:195
- diagenesis
 - carbonates, A:67, 69, 110, 188, 311, 363, 366; B:423–425, 427
 - chalk, B:406, 408
 - clasts, B:581, 583
 - mass flow units, B:474
 - matrix, B:587
 - photograph, A:99, 185, 457
 - photomicrograph, B:426, 472–473, 475
 - provenance of trace elements, B:202
 - remanent magnetization, A:177, 179
 - sapropels, B:31–33, 257, 274, 289
 - secondary minerals, B:408
 - sediments, A:438
 - See also* alteration; authigenesis; cementation; compaction; dolomitization; pyritization; recrystallization; remineralization; silicification; sulfidization
- diapiric structures
 - mud volcanoes, B:597–605
 - plate boundary, B:731
 - structural data, A:383–385
- diapirism
 - geology, A:378–379
 - mud domes, A:10–14
 - mud volcanism, B:675–678
 - See also* mud diapirism; mud volcanism
- diatom frustules
 - lithologic units, A:423
 - See also* frustules
- diatom mats
 - paleoecology, B:357–358
 - preservation, B:144–145
- diatoms
 - biostratigraphy, A:435
 - electron microscopy, B:355, 357, 361–363
 - occurrence, A:445; B:356
 - opal, B:338
 - paleoecology, B:357–358
 - photograph, A:426
 - sapropels, B:34, 335, 340
- diffusion, iron, B:256
- dinoflagellates, sapropels, B:289
- dinostanol, sapropels, B:289

- dinosterol, sapropels, B:266, 287, 289
- diols, sapropels, B:264–265, 276, 287
- dip
 - deformation, A:304, 307, 310
 - fault planes, A:108
 - faults and fractures, A:185
 - Formation MicroScanner logs, B:504, 618–620
 - inclination, B:59
 - microfaults, A:183, 247, 308, 360
 - normal faults, B:647–649
 - seamounts, B:688–689
 - sediments, B:613
 - structural data, A:358–359
- Discoaster asymmetricus*
 - abundance, B:107
 - acme, B:94
- Discoaster pentaradiatus*, paracme, B:104, 107
- Discoaster* spp.
 - abundance, B:105–106
 - abundance of selected species, B:86–87, 90–91
 - Zanclean abundance, B:118–119
- Discoaster surculus*, last appearance datum, B:94
- Discoaster tamalis*
 - abundance, B:107, 220
 - acme, B:94
 - paracme, B:107
- Discoaster triradiatus*, increase, B:107–108
- Discoaster variabilis*, biostratigraphic events, B:94
- disconformities, Pliocene–Quaternary succession, A:157
- discontinuities, photograph, A:308
- dissection, lithofacies, B:554
- dissolution
 - carbonates, B:231, 234, 237, 240, 245
 - diagenesis, B:425
 - gypsum, B:370
 - moats, B:500–501
 - opal, B:358–359
 - photomicrograph, B:475
 - provenance of trace elements, B:203–204
 - radiolarians and silicoflagellates, B:144–145
 - See also* pressure dissolution
- dissolution porosity
 - photograph, B:422–423
 - photomicrograph, B:426
- dolomite
 - degree of order vs. depth, B:449, 965
 - diagenesis, B:429
 - electron microprobe data, B:428
 - lithologic units, A:296; B:438–439, 442
 - petrography, B:456
 - photomicrograph, B:8, 506
 - sediments, B:447–448, 581
 - vs. compressional wave velocity, B:537–538
 - vs. depth, B:449, 965
 - vs. strontium, B:450
 - X-ray diffraction data, B:427–428, 474
 - See also* calcite/dolomite ratio
- dolomitization
 - diagenesis, B:429
 - pore water, B:450
- downhole measurements
 - paleoenvironment, B:483–508
 - physical properties, B:535–543
 - Site 965, A:141–142
 - Site 966, A:192, 194–196
 - Site 967, A:255, 258–263
 - Site 968, A:321–324
 - Site 970, A:399
 - Site 971, A:444–445
 - Site 973, A:489–491

- drilling, normal faults, A:507–511
- drilling disturbance, mass flow units, B:468–469
- earthquakes, tectonics, A:5–6
- East Anatolian Fault, tectonics, A:6; B:758, 771, 774–775
- eccentricity, sapropels, B:33
- echinoderm spines, photomicrograph, B:426
- echinoderms, Miocene, B:423
- echinoids
 - accumulation rates, B:231–232, 234, 237, 240
 - lithologic units, A:161
- Egypt, Miocene–Pliocene succession, B:498
- electron microprobe data
 - carbonates, B:428
 - sediments, B:609–610
- emergence, mass flow deposits, B:478
- Emilian
 - calcareous plankton, B:155–165
 - See also* Santernian/Emilian boundary
- Eocene
 - biostratigraphy, B:395–401
 - carbonates, B:458
 - collisions, A:513, 515
 - lithologic units, A:162, 222–223
 - planktonic foraminifers, B:379
 - stratigraphy, B:412–413
 - tectonics, B:748, 763–764, 776
 - zoning, B:384
 - See also* Cretaceous–Eocene succession; Jurassic–Eocene succession; Paleocene–lower Eocene succession
- Eocene, lower, tectonic models, B:771–772
- Eocene, middle, pelagic chalk, B:410
- Eocene, middle–late
 - plate tectonics, B:772
 - tectonic models, B:772–773
- Eocene–Miocene succession, seamount shallowing, B:496, 498–499
- Eratosthenes Moat, depressions, B:500–501
- Eratosthenes Seamount
 - acoustic properties, B:535–543
 - basement, B:741
 - bathymetry, A:6–10
 - biostratigraphy, B:10, 13, 83–98, 377–394
 - carbonate geochemistry, B:447–451
 - collisions, A:513–520; B:681–699, 709–721
 - continental fragment, B:730
 - crust, B:727
 - depositional model, B:434
 - Eocene–Upper Cretaceous, B:395–401
 - geology, A:126–127, 142–143, 157, 196–197, 199, 217–218, 263–267; B:742
 - hiatuses, B:517–526
 - lithofacies, B:403–417
 - mass flow deposits, B:465–481
 - Messinian, B:457–459
 - Miocene carbonates, B:419–436
 - normal faults, B:645–661
 - paleoceanography, B:701–708
 - paleoenvironment, B:453–463, 483–508
 - plate tectonics, A:8–10
 - sapropels, B:207–217, 242–244
 - sedimentology, B:3–4, 403–417
 - structure, B:702–703
 - subsidence, B:509–515
 - tectonic models, B:691–697
 - tectonics, B:527–534, 773
- Eratosthenes Seamount–Cyprus transect, drilling, A:5–10
- erosion
 - gaps, B:53, 59
 - lithofacies, B:551, 558–559
 - lithologic units, A:471

- mass flow deposits, B:478–479
 tectonics, B:704
 erosion, differential, photograph, A:472–473
 erosional surfaces
 lithofacies, B:552
 structural data, A:358–359
 eruptions, mud volcanoes, B:588
 ethane
 sediments, A:395
 See also methane/ethane ratio
 Euboea, conglomerate comparison, B:562
 Eurasia
 plate tectonics, A:5–6; B:688
 See also African–Eurasian plate boundary
 eustasy
 sedimentation, B:563–564
 See also glacioeustasy; isostasy; sea-level changes
Eustigmatophyceae, sapropels, B:276, 289
 euxinia
 organic matter, B:285–295
 See also anoxia; photic zone
 evaporation, isotopic stratigraphy, B:178–179
 evaporites
 clasts, B:669
 fluxes, A:69, 113, 366–367
 geology, A:337
 indicators, A:311
 lithology, A:247, 249
 Messinian, A:14–16, 87–88, 451, 466–467;
 B:368–370, 673–674, 677, 734
 Messinian–Pliocene succession, B:441,
 458–459, 716, 718–720
 moats, B:500–501
 mud, A:13–14
 Evvia, conglomerate comparison, B:563
 extensional tectonics, plate tectonics, A:9–10
 fabric
 burrows, A:186
 deformation, A:180, 182
 mousseliike, A:428
 photograph, A:186, 247, 428
 photomicrograph, B:342, 344, 346
 See also microfabric
 Famagusta–Hatay Unit, tectonics, B:753–756
 fan faulting, photograph, A:309
 fanglomerate, deposition, B:545–566, 746
 Fanglomerate F1 and F2, lithofacies, B:549,
 556–557, 560–562
 Fanglomerate F3, lithofacies, B:550, 557,
 560–562
 Fanglomerate F4, lithofacies, B:550–551,
 557–562
 Fanglomerate Group, uplifts, B:545–566
 fatty acids. *See* lipids; *n*-fatty acids
 fault planes
 deformation, A:106, 307, 310
 dip, A:108
 structural data, A:64
 tensors, A:110
 faults
 deformation, A:104–106, 143, 180, 182,
 234–235, 238–242
 dip, A:185
 gaps, B:53, 59
 mass flow deposits, B:478–479
 mud volcanoes, B:641–642
 photograph, A:229
 Pliocene–Quaternary succession, A:157, 518;
 B:716
 projection, A:244, 310
 rotation, A:310
 seamounts, B:688–689
 strain, B:521
 structural data, A:458
 tectonics, B:704
 vs. depth, A:244
 See also fan faulting; microfaults; normal
 faults; overthrusting; reverse faults;
 strike-slip faults; thrust faults;
 underthrusting
 faults, block, hiatuses, B:524
 faults, extensional
 debris flows, B:476
 moats, B:500–501, 694
 seamounts, B:692
 faults, high-angle, photograph, A:109
 feldspar
 matrix, B:599
 photomicrograph, B:592
 See also individual minerals
 feldspar grains, photomicrograph, B:591
 fibrous grains, photomicrograph, B:472
 fish debris, sediments, B:230, 233, 236, 239
 flexure, subsidence, B:513
 floatstone
 Formation MicroScanner, B:493
 lithofacies, B:495
 Florence Rise
 geology, A:337; B:775
 lithofacies, B:459
 Miocene–Pliocene succession, B:478
 offshore geology, B:736–737
 tectonics, A:6
Florispheera profunda, Zanclean abundance,
 B:118
 fluid flow, model, A:320
 fluid pressure, mudstone, B:588
 fluvial environment, lithofacies, B:560
 folding
 Pliocene–Quaternary succession, A:157
 See also chevron folding
 foraminifers
 abundance, B:22
 electron microscopy, B:445
 lithologic units, A:160–162
 Messinian–Pliocene, B:441
 Miocene, B:420–423
 petrography, B:471
 photograph, A:97, 476
 photomicrograph, B:506, 508, 658
 sapropels, A:95–96
 sediments, B:457
 stratigraphy, B:703
 vs. depth, A:96, 164, 228, 342, 385
 foraminifers, benthic
 accumulation rates, B:231–232, 234, 237, 240
 biostratigraphy, A:135, 176, 353–355;
 B:13–14, 16, 17
 photomicrograph, B:407, 424
 Pliocene distribution and abundance, B:18, 20
 sediments, B:230, 233, 236, 239
 foraminifers, planktonic
 accumulation rates, B:231–232, 234, 237, 240
 biostratigraphy, A:61–62, 101–102, 134–135,
 175–176, 230–231, 302, 353, 387,
 389–390, 434–435, 457–458, 478–479;
 B:10, 13–14, 17, 129–131, 156–157,
 379–394
 diagenesis, B:581, 583
 electron microscopy, B:357, 361
 Messinian and Zanclean distribution and
 abundance, B:16, 19
 photomicrograph, B:407, 409, 424, 593
 Pliocene distribution and abundance, B:16, 19
 Pliocene–Quaternary abundance, B:158–160
 sediments, B:230, 233, 236, 239
 size fraction and stable isotopes, B:13–15
 stable isotopes, B:170–177
 stratigraphic list, A:102, 135, 177, 242, 303,
 356, 480
 Formation MicroScanner logs
 bedding and fractures, B:521
 bioturbated chalk, B:498
 brecciated limestone, B:498
 correlation with lithostratigraphy, B:607–624
 floatstone, B:493
 grainstone, B:493
 gypsum, B:496
 Messinian breccia, B:493
 Miocene/Eocene unconformities, B:494
 tectonics, B:527–534
 vs. depth, A:146–147, 203–205, 211–213,
 267–269, 278–281
 fractionation, stable isotopes, B:449–450
 fractures
 deformation, A:239–241
 dip, A:185
 Formation MicroScanner logs, B:521,
 612–623
 frequency with depth, A:183
 orientation, B:529
 photograph, A:132, 239, 248, 429
 photomicrograph, B:506
 seamounts, B:688–689
 structural data, B:520
 vs. depth, A:244
 fragmentation
 carbonates, A:136
 diagenesis, B:427
 mudstone, B:588, 598
 framboids, lithologic units, A:59
 friction angle
 sediment fabric and composition, B:659–660
 vs. water content, B:660
 frustules. *See* diatom frustules
 frustules, rhizosolenid, photomicrograph, B:342,
 346
 furans, alkylated, sapropels, B:288
 gadolinium logs, vs. depth, A:285–287
 gamma ray–density–porosity logs
 Site 966, A:208–210
 Site 967, A:274–277
 Site 968, A:330–331
 Site 970, A:410–411
 Site 971, A:449
 vs. depth, A:150–151
 gamma ray–resistivity–sonic logs
 Site 966, A:211–213
 Site 967, A:278–281
 Site 968, A:332–333
 Site 970, A:412–413
 Site 971, A:449
 Site 973, A:494
 vs. depth, A:152–153
 gamma rays
 sediments, A:73, 118, 139, 191, 254, 316, 372,
 461, 488
 vs. depth, A:84, 123, 140, 148, 198, 200–206,
 262, 264–270, 274–284, 320, 373, 463,
 490
 gamma-ray logs
 lithology, B:485, 487
 vs. depth, A:200–206, 208–213, 264–271,
 274–284, 323–324, 327, 404–408,
 446–447, 491
 gas hydrates
 chlorinity, B:669
 mud domes, A:522–524
 pore water, A:187; B:569–574

- See also* clathrates
- gases
occurrence, A:445
sediments, A:394–395
- gastropods
lithologic units, A:162
Messinian–Pliocene succession, B:441
photomicrograph, B:473
- Gauss Chron
remanent magnetization, A:104, 136
See also Gilbert/Gauss boundary
- Gauss/Matuyama boundary
magnetostratigraphy, B:67
remanent magnetization, A:233–234, 356
- geanticlines, tectonic models, B:775
- Gela Basin, tectonics, A:56–57
- Gela Nappe, tectonics, A:56–57
- Gelasian
calcareous plankton, B:155–165
See also Piacenzian/Gelasian boundary
- Gelendzhik Rise, tectonics, B:751–753
- geochemical logs
gypsum, A:263
vs. depth, A:144–147, 150–151, 200–202, 208–210, 260–261, 264–271, 274–277, 282–287, 323–324, 404–408, 446–447, 491
- geochemistry
carbonates, B:447–451
sapropels, B:199–217
- geochemistry, inorganic
Site 963, A:67, 69
Site 964, A:108, 110, 113
Site 966, A:185–188
Site 967, A:246–247, 249–250
Site 968, A:310–313
Site 969, A:363, 366–367
Site 970, A:390–394
Site 971, A:435–437
Site 973, A:484–485
- geochemistry, organic
Site 963, A:69–71
Site 964, A:113, 115–117
Site 965, A:136–137
Site 966, A:188–190
Site 967, A:250–252
Site 968, A:313
Site 969, A:367–371
Site 970, A:394–396
Site 971, A:437–439
Site 972, A:459–460
Site 973, A:485–487
- geologic maps, Kyrenia Range, B:747
- geological setting
Site 963, A:56–58
Site 964, A:87–88
Site 965, A:126–127
Site 966, A:157
Site 967, A:217–218
Site 968, A:290–291
Site 969, A:336–337
Site 970, A:378–379
Site 971, A:416–417
Site 972, A:451
Site 973, A:466–467
- geophysics, tectonics, A:5–6
- geothermal gradient
organic matter, B:318–319
vs. depth, A:148, 206, 321–322
- Gephyrocapsa* sp., Pleistocene, B:191–197
- Gephyrocapsa* sp. 3, distribution pattern, B:108
- Gilbert Chron, remanent magnetization, A:179
- Gilbert/Gauss boundary, remanent magnetization, A:234, 356–357
- glacial environment, deposition, A:102
- glacial/interglacial cycles, sapropels, A:21, 23–24
- glaciation
isotopic stratigraphy, B:178–179
sedimentation, B:563–564
- glacioeustasy
uplifts, B:733
See also eustasy; isostasy; sea-level changes
- glaucinite
diagenesis, B:408
Miocene, B:420, 423
- glaucinite grains, clasts, B:599
- glaucinite pellets, origin, B:587
- Globigerina bulloides*
abundance, B:22
stable isotopes, B:170–177
- Globigerinoides obliquus*, size fraction and stable isotopes, B:13–15
- Globigerinoides* spp.
abundance, B:22
Pliocene–Quaternary succession abundance, B:157, 162
- Gondwana
continental margins, A:6–10; B:670, 682–683, 706
tectonic models, B:775
tectonics, A:56
- grabens, quadrilateral, seamounts, B:691–692
- grabens, uplifts, B:733
- graded bedding
deformation, A:238–239
lithostratigraphy, A:75–76, 78
- grading
petrography, B:580
sediments, B:612, 614
- grain size
mud volcanoes, B:628–630, 638
normal faults, B:650, 657
sapropels, B:235, 241
sediments, B:13–15
vs. depth, B:628–629
- grainstone
Formation MicroScanner imagery, B:493
lithofacies, B:476–477, 495
lithology, A:143, 196
Miocene, B:420–436
photograph, B:422
photomicrograph, B:508
X-ray diffraction data, B:427–428
- gravel
gases, B:588
See also pebbles
- gravel, polyimictic
Formation MicroScanner logs, B:614–615
lithologic units, A:381–383
photograph, A:388
- gravity anomalies, seamounts, A:8–10
- gravity flows
mud breccia, B:600
turbidites, B:687
See also debris flows
- Greece
crust fragmentation, B:695
tectonics, B:683
- Guzelsu Unit, tectonics, B:750, 770
- gypsarenite, photograph, A:300
- gypsum
deposition, A:224
electron microscopy, B:445
Formation MicroScanner, B:496
geology, A:290; B:459–460, 746
indicators, A:250, 311, 324–326
lithologic units, A:59, 471, 474; B:440, 454
Messinian, A:515–516; B:458–462, 491, 686
- Messinian–Pliocene succession, B:458
photograph, A:476–477, 483
photomicrograph, B:122
sedimentology, B:3–8, 366, 368, 774
strontium/calcium ratio, A:263
structural data, A:483
- gypsum, alabastrine, photograph, A:300
- gypsum, authigenic, formation, B:368–370
- Haddim Nappes, lithofacies, B:772
- Halete volcanic unit, tectonics, B:763–764, 766
- halite
clasts, A:431; B:613, 669
mud matrix, B:587–588
photograph, A:429
sediments, B:581
- Hatay
ophiolite, B:760, 769
See also Famagusta-Hatay Unit
- Hazar Group, tectonics, B:761
- Hazro Inlier, tectonics, B:761, 766
- heat flow
deformation, A:242
evaporites, A:366–367
Site 968, A:317–320
Site 969, A:373–374
Site 972, A:461
- Hecataeus Ridge, lineaments, B:750–751
- Hecataeus-Latakia Unit, tectonics, B:753
- Helicosphaera sellii*, abundance, B:104
- Hellenic Trench
geology, A:379
paleoenvironment, B:500
tectonics, A:5–6; B:670–671
- hematite
photograph, A:344
remanent magnetization, A:177, 179
- Herodotus Abyssal Plain, geology, A:337
- hexane, biomarkers, B:352
- hiatuses
Cretaceous/Tertiary boundary, B:384
mud breccia, A:11–14, 516–517
remanent magnetization, A:136
tectonics, A:56–58
Upper Cretaceous–Holocene succession, B:517–526, 683–688
See also unconformities
- Hilarion Limestone, tectonics, B:749
- Holocene
plate tectonics, B:706, 716–718
tectonic models, B:775
See also Cretaceous–Holocene succession; Pliocene–Quaternary succession; Quaternary; Tertiary–Holocene succession
- hot spots, uplifts, B:690
- Hoyran. *See* Beysehir-Hoyran Nappes
- Hyalinea baltica*, biostratigraphy, A:61–62
- Hyblean Plateau, tectonics, A:16
- hydraulic conductivity, mud volcanoes, B:638
- hydrocarbons
biomarkers, B:352
gases, A:397
headspace data, A:80, 460, 487
mass spectra of unknown bicyclic C25 compounds, B:277
mud domes, A:524
sapropels, B:263–268, 289
vs. retention time, A:439
- hydrocarbons, aromatic, sapropels, B:287–288
- hydrocarbons, non-aromatic
gas chromatograms, B:276
retention times and Kovats retention indices, B:274–275

- hydrocarbons, volatile
sediments, A:69, 113, 136, 188, 250, 313, 367,
394–395, 437–439, 459, 485
- hydrogen. *See* chlorine/hydrogen ratio
- hydrogen/(silicon + calcium) ratio
vs. depth, A:271
See also porosity logs
- hydrogen index
sapropels, B:273–274
sediments, A:137, 189, 251, 396
vs. organic carbon, A:195, 260, 370; B:275
vs. oxygen index, B:274
- hydrographic fronts, sapropels, B:34
- hydrothermal vents, provenance of trace elements,
B:202
- igneous rocks, chloritized, photomicrograph,
B:592
- igneous rocks, extrusive, photomicrograph, B:592
- illite
abundance, B:241
Formation MicroScanner logs, B:619
lithologic units, B:438
matrix, B:599, 614
origin, B:587
provenance, B:238
sediments, B:221
See also kaolinite/illite ratio; smectite/illite
ratio
- imbrication zone, tectonics, B:763
- impedance, vs. depth, B:539–540
- Incertae sedis*, forma A
new forms, B:128
Pliocene–Quaternary succession, B:125–135
vs. planktonic foraminifer and calcareous
nannofossil zones, B:126–128
- indenes, alkylated, sapropels, B:288
- index properties
acoustic properties, B:537
nannofossil ooze, B:636
sediments, A:71, 82, 118, 121, 138–139, 191,
197, 252, 254, 261, 313–314, 318,
371–372, 396–397, 400, 441–442, 460,
462, 489; B:634–636; bp:CD-ROM
vs. depth, A:197, 261, 319
- Inner Deformation Front
geology, A:374
mud volcanism, B:669–670
- insolation
paleoclimatology, B:327–328
sapropels, B:31, 33, 194–195
See also orbital insolation
- insoluble residues, vs. compressional wave
velocity, B:538
- internal friction, sediment fabric and composition,
B:659–660
- interstitial waters. *See* pore water
- intraclasts
Miocene, B:423
photomicrograph, B:425, 473
- Ionian Basin
paleoceanography, B:38
paleoclimatology, B:219–226
sapropel geochemistry, B:315–317
sapropels, A:118, 120; B:207–217, 242–244
- Ionian (Messina) Abyssal Plain
geology, A:118, 120, 337, 451, 461, 466–467
tectonics, A:87–88
- Ionian Sea
Messinian gypsum, B:459
tectonics, A:14–16
- Iranian Zone, subduction, B:759
- Iraq, Miocene carbonates, B:432–433
- iron
addition via diffusion, B:256
carbonates, B:448
enrichment, B:255
imbalance between sulfide production and iron
addition, B:256–257
iron sulfide formation, B:256
relation to organic carbon, B:255–256
sediment chemistry, B:249–259
sources, mobility, and fixation, B:255–256
storage, B:253–257
vs. depth, B:252
vs. NaCl-extracted sulfur, B:253
vs. organic carbon, B:255
iron/aluminum ratio, vs. depth, B:200, 210, 212
iron hydroxides, oxidation, B:254–255
iron minerals, reactivity, B:254–255
iron oxide logs, vs. depth, A:285–287
iron oxides, organic matter, A:67
iron sulfide, imbalance between sulfide production
and iron addition, B:256–257
Isali Formation, tectonics, B:757, 759
Iskenderun Basin, tectonics, A:6; B:757
iso-alkanes, sediments, A:438
iso-butane, sediments, A:438
iso-loliolide, sapropels, B:287
isomers. *See* alcohol isomers
isoprenoids, sapropels, B:264
isoprenoids, aryl, sapropels, B:288
isorenieratane
mass spectra, B:287, 291
sapropels, B:287–290
See also di-unsaturated cyclized isorenieratene
derivative
- isorenieratene
gas chromatograms, B:287, 289–290, 292
See also di-unsaturated cyclized isorenieratene
derivative
- isostasy
sedimentation, B:563–564, 691
uplifts, B:691
See also eustasy; glacioeustasy; sea-level
changes
- isotopic stratigraphy
calcareous plankton, B:159, 167–180
Cretaceous, B:384
- Isparta Angle
carbonate platforms, B:741
onshore geology, B:738–741, 770–771
- Israel
margin geology, B:729
Miocene carbonates, B:432–433
- Italy
paleoceanography, A:21–25
sapropel age, B:187, 191–197
- Jaramillo Subchron
magnetostratigraphy, B:64, 72
remanent magnetization, A:63, 78, 104, 136,
356, 458, 481
- Jurassic
tectonic models, B:766, 769
See also Triassic–Jurassic succession
- Jurassic–Eocene succession, paleogeography,
B:414
- Kaena Subchron
magnetostratigraphy, B:67
remanent magnetization, A:179, 234, 357
- Kafr El Sheik Formation, sediments, B:496
- Kakkaristra Formation, lithofacies, B:553
- Kalagrai-Ardana Unit, lithofacies, B:772
- Kannaviou Formation, basement, B:734, 769–770
- Kantara Limestone, tectonics, B:749, 766
- kaolinite
electron microscopy, B:443
lithologic units, A:295; B:438
matrix, B:599
origin, B:586–587
provenance, B:238
sediments, B:581
vs. depth, B:221, 223
kaolinite/illite ratio, sediments, B:235, 242–244
kaolinite/smectite ratio, sediments, B:235, 242–
244
Karadere Unit, tectonics, B:749, 763–764, 766,
772
Karatas Formation, tectonics, B:757, 759
Keban Platform, tectonics, B:761, 770
kerogen, sapropels, B:273, 288–290, 292
keto-ols, sapropels, B:287
ketols, sapropels, B:264–265
ketones
bitumens, A:117, 189, 251
gas chromatograms, B:278
sapropels, B:275–276
ketones, methyl, sapropels, B:288
Khalassa sub-basin, Messinian gypsum,
B:459–460
Kilani Formation, Oligocene, B:744
Killan Unit, tectonics, B:763, 772
Kithrea Fault, tectonics, B:746, 773
Kithrea Flysch, tectonics, B:746, 748–749
Kiti Unit, tectonics, B:753
Kocali ophiolite, tectonics, B:769
Kopru Basin, tectonics, B:749–750
Koronia Formation, geology, A:291
Koronia Member, limestone, B:476
Kovats retention indices, hydrocarbons, B:274
Kumluca Zone, geology, B:738
Kurd Dag, ophiolite, B:760
Kyrenia Range
Cretaceous–Paleogene succession, B:412–413,
746, 748–749
fanglomerate, B:560–562
tectonics, A:6; B:691, 765–766, 769, 771–775
Kyrenia-Misis Lineament, tectonics, B:756
- Lago Mare facies
carbonates, B:494
Messinian–Pliocene, B:441
paleoenvironment, B:18–22
- laminations
composition, B:337
gases, B:588
lithofacies, B:408
lithologic units, A:220–223, 340–342
mudstone, B:577
photograph, A:66, 98, 229, 237–248, 299, 347,
350, 388; B:406
photomicrograph, B:342, 344, 346, 348
preservation, B:337–338
sapropels, A:95–96; B:335, 339
sedimentary structures, B:471
structural data, A:136
See also cross laminations; pseudolaminations
- laminations, planar, photomicrograph, B:595
- laminations, rhizosolenid, electron microscopy,
B:355, 357, 361–363
- Lampedusa Formation, Miocene carbonates,
B:433
- Langhian, deposition, B:433–434
- Latakia. *See* Cyprus-Latakia Link zone;
Hecataeus-Latakia Unit
- Latakia Basin
lineaments, B:750–751, 774
tectonics, B:750–759
- Latakia Ridge, lineaments, B:750–751
- lateral flow

- ammonium, A:311, 313
 geochemistry, A:250
- Lefkara Formation
 Cretaceous–Paleogene succession, B:413
 geology, A:199, 291; B:456–457, 462, 690–691, 734, 743, 773
 lithofacies, B:474, 476
 petrography, B:455
- leiospheres, laminations, B:338
- Levant. *See also* North Africa–Levant passive margin
- Levant Basin
 bathymetry, A:6–10
 paleoceanography, B:38
 sapropel geochemistry, B:311
 tectonics, A:5–6, 374; B:703–704, 750–760, 767, 774–776
- Levant margin
 Cretaceous–Paleogene succession, B:412
 geology, B:729, 766–767
 Miocene carbonates, B:432–433
 Miocene–Pliocene succession, B:498
 paleoenvironment, B:500
- Levant Sea, crust, B:727
- Lice Formation, tectonics, B:761, 763
- Limassol Forest Ophiolite
 lithofacies, B:558, 743
 Miocene, B:690
 sources, B:455
- limestone
 photomicrograph, B:472–473
See also biocalcarenite; biomicrite; biosparite; calcarenite; calcilitite; calcirudite; calciturbidite; micrite; pelsparite
- limestone, bioclastic
 mud breccia, B:603
 photograph, B:422–423
 photomicrograph, B:424–425
- limestone, bituminous
 composition, A:190, 197
 lithologic units, A:223
- limestone, brecciated, lithologic units, A:223
- limestone, brecciated, shallow-water
 Formation MicroScanner logs, B:498
- limestone, dolomitized, paleoenvironment, B:500
- limestone, lithified, photograph, B:422–423
- limestone, micritic
 lithologic units, A:222
 mass flow units, B:467
- limestone, pelletal, photomicrograph, B:472
- limestone, recrystallized, lithologic units, A:130
- limestone, shallow-water
 basement, B:735
 lithologic units, A:161–162, 223
- limestone breccia, lithologic units, A:161
- limestone clasts
 lithofacies, B:469–471, 555
 mass flow units, B:467
 Messinian–Pliocene succession, B:458–459
- limestone pebbles
 mass flow units, B:467
 photomicrograph, B:472
- lineaments
 basement, B:734–736, 743
 geology, B:690–691
 tectonics, B:748–749, 754–756
- lineaments, submarine, ridges, B:750–751
- lineations, mud domes, A:12–14
- Linosa Graben, tectonics, A:73
- lipids
 organic matter, B:34, 267–268, 280
 partial gas chromatograms, B:288
 polar and apolar fraction, B:289, 294–295
See also n-fatty acids
- lipids, marine, sapropels, B:268
- lipids, terrestrial, sapropels, B:265
- litharenite
 lithology, A:400
 mud breccia, B:601
 petrography, B:577
- lithic wackes, mud breccia, B:601
- lithification, deformation, A:180, 182, 238–242
- lithium
 evaporites, A:69, 113
 lateral flow, A:250, 313
 pore water, A:437, 485
 vs. chloride and bromide, A:115
 vs. depth, A:79, 114, 190, 253, 312, 336, 394–396, 436–437, 487
- lithium/chlorine ratio, vs. depth, A:255, 396; B:572
- lithoclasts
 mud breccia, B:598, 600
 petrography, B:456, 577, 579
 petrography and mineralogy, B:455
 solution porosity, B:474
- lithodensity logs, vs. depth, A:144–145
- lithofacies
 fanglomerate, B:548–562
 late Miocene, B:434
 lithologic units, A:340
 mass flow units, B:469–471
 Messinian–Pliocene succession, B:458–462
 mud breccia, B:600
 paleoenvironment, B:453–463
 photograph, B:552–553
 sediments, B:613
 tectonics, B:403–417
 vs. depth, B:490
- lithofacies/color ratio, carbonates, B:439
- lithologic units
 deformation, A:179–180, 182, 234–235, 238–242
 Site 963, A:59–60
 Site 964, A:92–93
 Site 965, A:129–130
 Site 966, A:160–162
 Site 967, A:220–223
 Site 968, A:294–296
 Site 969, A:339–340
 Site 970, A:381–383
 Site 971, A:421–430
 Site 972, A:452–454
 Site 973, A:469–474
 structural data, B:520
 Unit I, A:59, 92–93, 129–130, 160–161, 220–222, 294–295, 339–340, 381, 421–423, 452–454, 469–471
 Unit II, A:130, 161, 222, 295, 340, 382–383, 423–424, 427–428, 430, 471, 474; B:438
 Unit III, A:130, 161–162, 222–223, 296; B:438–441
 Unit IV, A:162, 223
- lithology
 mud breccia, B:598–600
 paleoenvironment, B:485
- lithology logs
 vs. depth, A:271
See also silicon/(silicon + calcium) ratio
- lithoporosity logs, vs. depth, A:144–145, 446
- lithostratigraphy
 correlation with physical properties, A:254–255, 317, 461, 488–489; B:627–643
 correlation with well-log units, A:194–196, 258, 260–263, 321, 323–324, 399
 mass flow units, B:467–469
- mud domes, A:523
 Site 963, A:59–60
 Site 964, A:90–100
 Site 965, A:129–132; B:487, 489–490
 Site 966, A:160–164; B:485–487, 490
 Site 967, A:220–224, 264–267; B:488–492
 Site 968, A:293–298, 324–326
 Site 969, A:338–344
 Site 970, A:381–385
 Site 971, A:420–431
 Site 972, A:452–454
 Site 973, A:468–477
- loliolide
 sapropels, B:287, 289
See also iso-loliolide
- Lycian Nappes
 carbonate platforms, B:741
 tectonics, B:750
- lycopane, sapropels, B:287, 289
- “M” reflector
 mass flow units, B:465–466
 Messinian, A:515–516
 structures, A:466–467
- Maastrichtian
 biostratigraphy, B:400
 hiatuses, B:522–523
 Neotethys, B:726
 stratigraphy, B:412–413
 tectonic models, B:769–771, 776
 zoning, B:384
See also Campanian–Maastrichtian succession
- Madara Formation, sand, B:584
- Maden Formation, tectonics, B:749, 761, 763–764, 772
- Maghrebian thrust sheets, tectonics, A:15
- magnesium
 carbonates, A:67, 69; B:448
 diagenesis, A:188
 lateral flow, A:250
 pore water, A:113, 392, 485
 vs. depth, A:80, 114, 192, 255, 314, 367, 394–396, 437, 487
 X-ray fluorescence data in carbonates, B:450
See also calcium/magnesium ratio
- magnesium/aluminum ratio
 vs. depth, B:210–212
 vs. potassium/aluminum ratio, B:213
- magnesium/chlorine ratio, vs. depth, A:256, 314, 487; B:572
- magnetic anomalies, seamounts, A:8–10; B:711
- magnetic declination, vs. depth, A:304, 503–504
- magnetic inclination
 histogram, B:70
 vs. depth, A:72–73, 104–106, 136, 178, 180, 243–244, 304, 358, 392, 435, 458, 481, 498, 503–504; B:64, 66–67, 70, 72
 vs. magnetic intensity, B:70
- magnetic intensity
 correlation with reflectance and lithology, A:95
 vs. depth, A:72, 104, 136, 178, 243, 304, 357, 392, 435, 458, 481, 498, 503–504; B:77–79
 vs. magnetic inclination, B:70
- magnetic overprints, coring-induced, techniques, A:497–505
- magnetic polarity
 depth of boundaries, A:179
 magnetostratigraphy, B:64–72
 remanent magnetization, A:103–104, 233–234, 303–304, 390
- magnetic properties, sapropels, B:75–82
- magnetic susceptibility

- composite depths, A:66
 correlation with reflectance and lithology, A:95
 sediments, A:72–73, 118, 139, 191, 254, 314, 371–372, 460, 488
 vs. depth, A:72, 77, 84, 112, 123, 136, 140, 188–189, 198, 203–205, 252, 262, 311, 320, 365, 373, 392, 435, 458, 460, 481, 485, 490
 magnetic susceptibility, volumetric, vs. depth, B:77–79
 magnetostratigraphic datums, Mediterranean Sea E, B:64
 magnetostratigraphy
 Pliocene–Pleistocene succession, B:61–73
 Pliocene–Quaternary succession, B:170, 172, 177–178
 major elements
 carbonates, B:448
 sapropels, B:207–217
 major elements/aluminum ratio, sapropels, B:209
 Mallorca, Miocene carbonates, B:433
 Malta
 Miocene carbonates, B:433
 tectonics, A:16
 Malta Graben, tectonics, A:73
 Mammoth Subchron
 magnetostratigraphy, B:67
 remanent magnetization, A:179, 234, 357
 Mamonía Complex
 basement, B:734–736, 766, 769, 771, 775
 Cretaceous tectonics, B:704–705
 lithofacies, B:477
 Manavgat Basin, tectonics, B:749–750, 773
 manganese
 carbonates, B:448
 photograph, A:298, 346
 manganese/aluminum ratio, vs. depth, B:200
 Maras, tectonics, B:763
 marker beds, photograph, A:346
 marl, Messinian gypsum, B:459–460
 Maroni Basin
 geology, A:290
 Messinian gypsum, B:459–460
 mass accumulation rates
 Pliocene–Quaternary succession, B:228
 sediments, B:231, 234, 237, 240
 See also sedimentation rates
 mass flow deposits
 depositional-tectonic models, B:478–479
 lower Pliocene, B:465–481
 See also debris flows
 Mass Flow Unit, stratigraphy and tectonics, B:465–481
 matrix
 depth of origin, B:669
 diagenesis, B:587
 lithologic units, A:383, 431
 mud breccia, B:599, 668
 mud volcanoes, B:575–595
 petrography, B:471, 579–580
 matrix lithology, origin, B:586–587
 mats. *See* diatom mats
 Matuyama Chron
 magnetostratigraphy, B:64, 66–67, 69, 178
 remanent magnetization, A:63, 78, 104, 136, 143, 177, 179, 234
 See also Gauss/Matuyama boundary
 Matuyama/Brunhes boundary
 magnetostratigraphy, B:64–66, 70
 remanent magnetization, A:177, 179, 356–357, 458, 481
 Mazagan Escarpment, hydrocarbons, A:439
 median destructive field, histogram, B:69
 Mediterranean Intermediate Water
 currents, A:73
 Zanclan, B:119–120
 Mediterranean Ridge
 biostratigraphy, B:13–17, 99–112
 clasts and matrix, B:575–595
 geology, A:336–337, 374, 378–379, 451, 461, 466–467, 491–492; B:669–670
 mud diapirism, A:20
 mud volcanoes, B:597–605, 607–624
 organic matter in sapropels, B:261–269
 paleoceanography, B:38
 sapropels, B:349–363
 sedimentology, B:5–8
 tectonics, A:5–6, 88; B:527–534, 671
 Mediterranean Sea, central, Miocene carbonates, B:433
 Mediterranean Sea E
 bacterial populations, B:303–307
 biostratigraphy, B:83–112, 125–135
 collisions, A:513–520; B:709–721
 high-resolution magnetic measurements, B:75–82
 Mesozoic–Tertiary evolution, B:723–782
 Miocene/Pliocene boundary, B:9–28
 normal faults, A:507–511, 645–661
 paleoceanography, A:21–25; B:113–123, 167–180, 701–708
 paleoclimatology, B:219–248
 paleomagnetism, A:497–505
 photosynthetic pigments, B:297–302
 Pliocene–Pleistocene magnetostratigraphy, B:61–73
 radiolarians and silicoflagellates, B:137–154
 sapropel age, B:191–197
 sapropel geochemistry, B:199–217, 249–259, 271–283, 285–295, 309–331
 sapropel stratigraphy, B:181–189
 sedimentary sequences, B:37–59
 sedimentology, B:3–8
 sulfate reduction, B:365–373
 tectonic maps, B:432
 tectonics, A:5–18; B:527–534, 682–683, 717
 meiofauna, laminations, B:338
 melange
 orogenic belts, B:693–695
 tectonic models, B:758
 tectonics, B:757, 763, 773
 Mesaoria Basin, lithofacies, B:474, 476, 746
 Mesaoria Plain, fanglomerate, B:555–556, 746, 773
 Mesozoic
 basement, B:734–736
 geology, B:738–741
 paleoceanography, B:701–708, 710–713
 paleogeography, B:740
 suture zones, B:682–683
 Mesozoic, upper, collisions, A:513–515
 Mesozoic–Tertiary evolution, B:723–782
 Messina. *See* Ionian (Messina) Abyssal Plain
 Messinian
 chemostratigraphy and biostratigraphy, B:17, 21
 correlation, B:455
 distribution and abundance of planktonic foraminifers, B:16, 19
 evaporites, A:14–16, 87–88, 324–326, 451, 466–467; B:669, 673–674, 734, 743, 754
 Formation MicroScanner logs, B:619
 geology, A:290, 337, 374
 lithologic units, A:296
 mud matrix, B:587–588, 688
 nonmarine deposition, B:437–445
 photograph, B:456
 salinity, B:477
 salinity crisis, A:515–516; B:685–686, 716, 718, 774
 Messinian/Pliocene boundary
 paleoceanography, B:9–28
 sedimentology, B:3–8
 Messinian/Zanclan boundary, biostratigraphy, B:115–118
 metamorphic complexes, tectonics, B:761, 766
 methane
 bubbles, A:401
 diagenesis, A:110
 gases, B:669
 mud domes, A:394, 522–524
 organic matter, A:67
 oxidation, B:366, 368
 sediments, A:69, 113, 136, 188, 250, 313, 367, 394–395, 437–439, 459, 485
 vs. depth, A:80, 397, 438; B:371
 methane/ethane ratio
 mud domes, A:523–524
 vs. depth, A:397, 438
 mica, accumulation rates, B:231, 234, 237, 240
 micrite
 mudstone, B:598
 photograph, A:133, 173
 photomicrograph, B:473, 508, 593
 micrite, foraminiferal, photograph, A:390
 micritization, clasts, B:583–584
 microbreccia, petrography, B:471
 microfabric
 "e" bed, B:336–337
 normal faults, B:650
 "O" group, B:337
 photograph, A:184
 Sapropel S5, B:338
 sapropels, B:333–348
 See also fabric
 microfaults
 deformation, A:238–239
 dip, A:183, 247, 308, 360
 frequency with depth, A:183
 photograph, A:76, 109, 137, 183
 structural data, A:63–64, 136, 383–384
 vs. depth, A:244
 See also faults
 microfaults, high-angle, photograph, A:246
 microfossils
 Miocene, B:422–423
 See also individual group
 microphenocrysts
 photomicrograph, B:592
 microplates
 rotation, B:775
 See also plate tectonics
 microveins
 deformation, A:241
 structural data, A:481, 483
 See also veins
 Milano mud structure
 clasts and matrix, B:575–595
 gas hydrates, B:569–574
 geology, A:378–379, 400–401, 521–522; B:571, 665–680
 mud volcanoes, B:597–605, 610–613, 625–643
 tectonics, A:5–6, 384–385; B:529
 miliolines, photomicrograph, B:425–426
 mineralogy
 carbonates, B:447–448
 sediments, B:219–226
 minor elements, sapropels, B:207–217
 Miocene

- carbonate geochemistry, B:447–451
 carbonates, B:419–436
 chemostratigraphy and biostratigraphy, B:17, 21
 distribution and abundance of benthic foraminifers, B:18, 20
 distribution and abundance of planktonic foraminifers, B:16, 19
 geology, A:291, 337
 grabens, B:733–734
 hiatuses, B:524
 lithologic units, A:130, 161–162, 223, 428–430
 paleoenvironment, B:492–494, 684–685
 paleogeography, B:672–673
 plate tectonics, A:7
 reefs, B:431–435
 stratigraphy, B:703
 subduction, B:758–759
 tectonic models, B:773–774
 tectonics, A:14–16; B:757
 thrust stacks, B:672
 turbidites, A:217–218
 uplifts, B:689–690
 Miocene, lower, plate tectonics, B:773
 Miocene, pre, hiatuses, B:523–524
 Miocene, upper
 paleoenvironment, B:453–463
 paleogeography, B:673–674
 plate tectonics, B:774
 Miocene–Pliocene succession
 geology, B:737–738
 stratigraphy, B:498
 Miocene/Pliocene boundary
 chronostratigraphy, B:101
 lithology, B:457
 paleoceanography, B:9–28
 sedimentology, B:3–8
 Misis. *See* Kyrenia-Misis Lineament
 Misis Mountains, tectonics, A:6; B:750–759, 775
 Misis-Andirin Complex, tectonics, B:757, 756–759, 771, 773
 mixed-layer clays
 abundance, B:241
 provenance, B:238
 moats
 faults, B:500–501, 716
 seamounts, B:691–692
 molecular paleontology, sapropels, B:285–295
 mollusks
 accumulation rates, B:231–232, 234, 237, 240
 lithologic units, A:223
 Miocene, B:422
 photomicrograph, B:506, 508
 molybdenum, vs. depth, B:201
 Moni Melange
 basement, B:745
 blocks, B:691
 monsoon index, sapropels, A:24
 Moscow mud dome, mud volcanoes, A:417
 mottling
 lithologic units, A:59–60, 130, 222–223
 Messinian–Pliocene succession, B:458–459
 photograph, A:237–238, 298
 Mount Carmel, geology, B:730
 Mount Olympus, lithofacies, B:558, 774
 mud
 photograph, A:473
 sapropels, A:217–218
 mud, calcareous, mass flow units, B:468
 mud, carbonaceous, photomicrograph, B:638
 mud breccia
 clast composition vs. depth, B:602–603
 clay mineral matrix composition vs. depth, B:603–604
 Formation MicroScanner logs, B:615–616
 lithologic units, A:383
 mud domes, A:10–14, 516–517, 522–524; B:614
 mud volcanoes, B:598–600
 overpressure, B:668–669
 permeability, B:639–640
 photomicrograph, A:389
 Pliocene–Quaternary succession, A:416–417
 sediments, B:581
 structural data, A:383–384
 units, A:386
 mud clasts, lithology, A:196
 mud diapirism, vs. mud volcanism, B:666
 mud domes
 diapirism vs. volcanism, A:10–14
 gas hydrates, B:573
 geology, A:378–379
 mud flows, geology, A:378–379
 mud matrix, genesis, B:587–588
 mud shards, photomicrograph, B:594
 mud volcanism
 geology, A:378–379, 400–401, 445–446, 521–526; B:665–680
 models, B:675–678
 salinity, A:393–394
 structural data, A:383–385
 vs. mud diapirism, B:666
 mud volcanoes
 accretionary complexes, B:575–595, 597–605
 anatomy, B:666–668
 diapiric belt, B:597–605
 emplacement, B:641–642
 Formation MicroScanner logs, B:618–620
 geometry, B:624
 photomicrograph, B:638
 physical properties, B:625–643
 sediment traps, B:358–359
 mudstone
 lithologic units, A:424, 428–430
 mass flow units, B:467–468
 mud breccia, B:603, 668
 mud domes, A:522–524; B:600
 petrography, B:577, 580
 photograph, B:422, 456
 photomicrograph, B:594
 Pliocene channels, B:477–478
 mudstone, calcareous, lithofacies, B:469
 mudstone, carbonate, photograph, A:429
 mudstone, lime, photomicrograph, B:424–425
 mudstone clasts
 lithology, A:430–431
 photograph, A:428
 photomicrograph, B:594
 muscovite
 petrography, B:455
 sediments, B:581
 muscovite grains, clasts, B:599
 Muti Formation, tectonics, B:761
n-alcohols, sapropels, B:264, 267–268, 275–276, 278
n-alk-1-enes, sapropels, B:288, 290, 292
n-alkanes
 biomarkers, B:352
 bituminous limestone, A:190
 gas chromatograms, B:291
 sapropels, B:263–264, 267–268, 280, 287–290, 292
 sediments, A:438
n-fatty acids, sapropels, B:277, 279
 nannofossil datums, B:91
 nannofossils
 abundance, B:220
 abundance of biostratigraphically Pleistocene significant species, B:84, 88
 abundance of middle–late Pleistocene index taxa, B:107
 abundance of Pleistocene index taxa, B:106, 109
 basal Zanclean distribution, B:118–119
 composite of zones, A:175, 355
 electron microscopy, B:344, 346
 lithologic units, A:294–295
 Messinian and Zanclean distribution, B:116–117
 Messinian–Pliocene succession, B:458–459
 vs. depth, A:96, 164, 228, 297, 342, 385
 nannofossils, calcareous
 biostratigraphy, A:35–36, 60–61, 100–101, 132–134, 164, 170, 173–175, 196, 224–230, 298–302, 344, 348, 386–387, 431–434, 454–456, 477–478; B:129–131, 157–158
 Cretaceous biostratigraphy, B:400–401
 Eocene biostratigraphy, B:398–399
 Pliocene–Quaternary succession, B:83–112, 161
 stratigraphic list, A:102, 135, 177, 242, 303, 356, 480; B:102, 109
 Zanclean, B:113–123
 naphthalenes, alkylated, sapropels, B:288
 Napoli mud dome
 clasts and matrix, B:575–595
 gas hydrates, B:569–574
 mud volcanoes, A:16, 445–446; B:597–605, 613–617, 625–643, 665–680
 sapropels, B:358–359, 361
 tectonics, A:5–6, 416–417, 522
 Nathalie structure, tectonics, A:466–467
 Negev, Cretaceous–Paleogene succession, B:412
 Neogene
 plate tectonics, A:7; B:706
 subsidence, B:500, 512
 tectonics, B:750
 neotectonics, Pliocene–Quaternary succession, A:88
 Neotethyan allochthonous units, tectonics, B:762
 Neotethys
 Late Triassic, B:725
 models, B:763–776
 south margin, B:728–766
 subduction, B:705–706, 713, 759
See also Tethyan Ocean
 Neptunian dikes
 deformation, A:239
 photograph, A:248
 neutron porosity logs, vs. depth, A:146–147, 203–205, 208–210, 267–269, 325–326, 447
 new forms, *Incertae sedis*, forma A, B:128
 nickel, vs. depth, B:201
 nickel/aluminum ratio, vs. depth, B:210, 212
 Nile Delta, sediments, B:496
 Nile River
 clays, B:586–587
 discharge, B:144–145, 182
 major and minor elements, B:213
 turbidites, B:584
 nitrogen
 bituminous limestone, A:190
 sediments, A:69–70, 80–81, 116–117, 137–138, 193, 256–257, 315–316, 368–369, 398, 440, 459–461, 485–488
See also carbon, organic/nitrogen ratio; carbon/nitrogen ratio
 nodules

- paleoenvironment, A:163–164
See also chert nodules
- normal faults
 advanced hydraulic piston corer, A:507–511
 cobblestone topography, A:88
 deformation, A:105, 180, 182, 238–242, 304, 307, 310
 origin and frequency, B:645–661
 paleoenvironment, B:500
 photograph, A:109, 137, 247–248, 308–309, 361; B:648–649
 Pliocene–Quaternary, A:127
 projection, A:75, 137, 360
 structural data, A:63–64, 359, 481
 tectonic tilt, A:361–362
 tectonics, A:58
- normalization factor logs, vs. depth, A:285–287
- North Africa
 crust, B:727, 766–767
 mud volcanism, B:675–678
- North Africa–Levant passive margin, continental margin, B:728–766
- North Balearic Basin, tectonics, A:15–16
- Nunivak Subchron, remanent magnetization, A:179
- nutrients
 opal, B:358–359
 organic matter, B:318–319
- obliquity, paleoclimatology, B:187–188
- octadecenoic acid, sapropels, B:277
- oedometer tests, sediments, B:630–632, 637–640
- Olduvai Subchron, remanent magnetization, A:104, 136, 179; B:67
- oleic acid, sapropels, B:279
- Oligocene
 bathyal-pelagic carbonates, B:410, 412
 hiatuses, B:522–523
 paleogeography, B:672–673
 planktonic foraminifers, B:380, 383–384
 tectonic models, B:773
 thrust stacks, B:672
 zoning, B:384
- oligotrophic conditions, sapropels, B:34
- Olimpi mud dome field
 geology, A:378–379, 416–417, 445–446; B:600–604, 669–670, 673, 677
 tectonics, A:5–6; B:666, 671
 turbidites, B:584
- olistoliths, tectonics, B:757, 759
- olistostromes, tectonics, B:757, 759, 773
- Olympus. *See* Mount Olympus
- Oman, lineaments, B:705–706
- oncolites, photograph, A:133, 173
- Onda well, tectonics, A:56
- ooze
 Messinian–Pliocene succession, B:458
 oxygen isotopes, B:17–18
 photograph, A:99
 Pliocene–Quaternary succession, A:416–417
- ooze, clayey-nannofossil, lithologic units, A:339–340, 381, 421–423, 452–454, 469–471
- ooze, diatom
 lithologic units, A:423; B:352–355
 photomicrograph, B:342, 346
 sapropels, B:349–363
- ooze, foraminifer-nannofossil
 lithologic units, A:339–340
 photograph, A:471
- ooze, nannofossil
 composition, B:5–6
 electron microscopy, B:443–444
 Formation MicroScanner logs, B:616
 index properties, B:636
- lithofacies, B:469
- lithologic units, A:92–93, 129–130, 160–161, 220–222, 294–295, 339–340, 381, 421–423, 452–454, 469–474; B:438
- mass flow units, B:467–468
- mud domes, A:12–14
- photograph, A:230, 237, 245–246, 299, 455–456, 471–472, 474–476
- photomicrograph, B:658
- opal
 diagenesis, B:427
 dissolution, B:338–339
 organic matter, A:247, 311
 photomicrograph, B:424
 preservation and dissolution, B:358–359
- opal-CT, petrography, B:455
- ophiolites
 basement, B:735–736
 clast lithology, B:585–586
 emplacement, B:695–696, 759–761, 763
 lineaments, B:705–706
 plate tectonics, B:764–775
 stratigraphy, B:413–414, 684
 thrust stacks, B:672
- ophiolitic clasts, lithofacies, B:558
- orbital insolation, sapropels, A:24
- organic fragments
 photograph, A:470, 474
 sapropels, A:93
- organic matter
 alteration, B:660
 bituminous limestone, A:190, 199
 composition, A:189
 correlation with physical properties, A:254–255
 degradation, A:67, 108, 110, 247, 310–311, 363
 laminations, B:338
 lithofacies, B:408
 lithologic units, A:60, 294, 454
 lithostratigraphy, A:75–76, 78
 Messinian–Pliocene, B:441
 oxidation, B:366, 368
 preservation, B:200–204
 reactivity, B:254
 sapropels, B:33–35, 261–283, 271–283
- organic matter, methylated and silylated
 total solvent extractable, gas chromatograms, B:287
- Oridorsalis stellatus*, size fraction and stable isotopes, B:13–15
- orogenic belts, melange, B:693–695
- ostracods
 accumulation rates, B:231–232, 234, 237, 240
 biostratigraphy, A:355; B:13
 Messinian–Pliocene succession, B:441
 photomicrograph, B:506, 508
 sediments, B:457
- Outer Deformation Front, geology, A:451
- overpressure
 mud volcanoes, B:641–642
 veinlets, B:668–669
- overthrusting
 tectonics, B:761
 thrust stacks, B:672
- Ovgos Fault, tectonics, B:773
- oxidation
 lithologic units, A:161
 organic matter, A:67; B:366, 368
 photograph, A:348
 pyrite, B:258
 sapropels, B:257
See also redox
- oxidation fronts
 provenance of trace elements, B:202
- pyrite, B:254–255
- oxygen, water circulation, A:57
- oxygen index
 sapropels, B:273–274
 vs. hydrogen index, B:274
- oxygen isotope signal, Messinian/Pliocene boundary, B:6–7
- oxygen isotopes
 averages, B:177
 biochronology, B:167–180
 calcareous plankton, B:159
 carbonates, B:4, 448–450
 Cretaceous, B:384, 389–390
 gypsum, B:440–442
Incertae sedis, forma A, B:132
 ooze, B:5–6, 17–18, 21
 Pliocene–Quaternary succession, B:157, 162, 181–189
 sapropels, B:309–331
 sediments, B:13–15
 sulfate reduction, B:365–373
 vs. age, B:186, 316–317, 389
 vs. carbon isotopes, B:450
 vs. carbon isotopes of *Globigerinoides obliquus*, *Oridorsalis stellatus*, and *Incertae sedis*, forma A, B:132
 vs. composite depth, B:172
 vs. depth, B:6, 184, 389, 449, 573
 vs. Messinian/Pliocene boundary, B:6
 vs. planktonic foraminiferal zones, B:389
 vs. sulfate, B:370
 vs. time, B:173, 177
- oxygen isotopes, sulfate
 vs. depth, B:371
 vs. sulfur isotopes, B:373
- packstone
 lithofacies, B:495
 lithology, A:143, 196
 Miocene, B:420–436
 photograph, B:422
 photomicrograph, B:425, 472, 506, 508
 X-ray diffraction data, B:427–428
- Pakhna Formation
 geology, A:291, 297; B:456–457, 462, 743
 limestone, B:476–477
 Messinian gypsum, B:459–460
 petrography, B:455
- paleobathymetry, vs. depth, B:511–512
- paleoceanography
 Mesozoic–Tertiary, B:701–708
 Messinian/Pliocene boundary, B:9–28
 sapropels, A:21–25; B:29–36
 stable isotopes, B:167–180
 Zanclean, B:113–123
- Paleocene
 stratigraphy, B:412–413
 tectonic models, B:771–772
- Paleocene–lower Eocene succession, plate tectonics, B:771
- paleoclimatology
 comparison, B:327–328
 middle Pliocene, B:219–226
 paleoenvironment, A:296–297
 Pliocene–Quaternary succession, B:186–188
 sapropels, B:35, 227–248, 317–331
 stable isotopes, B:167–180
 Zanclean, B:119–120
- paleocurrents, lithofacies, B:550–551, 558–559
- paleodepth, paleoenvironment, B:500
- paleoecology
 diatoms, B:356–358
Pseudosolenia calcar-avis and rhizosolenids, B:357–358
 radiolarians and silicoflagellates, B:137–154

paleoenvironment

Cretaceous–Eocene succession, B:499
 deposition, A:102–103, 130–132, 162–164,
 176, 223–224, 296–297, 303, 344, 454
 downhole logging, B:483–508
 late Miocene, B:453–463
 lithologic units, A:60
 Messinian–Pliocene, B:441
 ooze, B:18–20
 sapropels, A:95–97, 100; B:35
 Upper Cretaceous, B:408

Paleogene
 biostratigraphy, B:377–394
See also Cretaceous–Paleogene succession

paleogeography
 Jurassic–Eocene, B:414
 Late Cretaceous, B:672
 Mesozoic, B:740
 Mesozoic–Tertiary succession, B:728–766
 Messinian/Pliocene boundary, B:9–28
 Tertiary–Holocene, B:744

paleomagnetic directions, coercivity, A:73

paleomagnetism
 discrete samples vs. long cores, A:503–504
 magnetic overprints, A:497–505
 Site 963, A:63
 Site 964, A:103–104
 Site 965, A:135–136
 Site 966, A:177–179
 Site 967, A:233–234
 Site 968, A:303–304
 Site 969, A:356–357
 Site 970, A:390
 Site 971, A:435
 Site 973, A:479, 481

paleosols
 lithofacies, B:560
 lithologic units, A:130
 photograph, A:132

paleotemperature, bitumens, A:115, 117, 189–190,
 251–252, 264, 370–371

palygorskite
 electron microscopy, B:443–444
 Formation MicroScanner logs, B:619
 lithologic units, B:438
 provenance, B:221, 238
 vs. depth, B:221, 223

palyofacies, laminations, B:338

Pantelleria rift system, tectonics, A:16, 73

Paphos, fanglomerate, B:560–562

paraconglomerate, calcareous, lithologic units,
 A:161; B:687

passive margins, continental margins, A:6–10

pebble clusters
 ghosts, B:614
 lithofacies, B:549–564

pebbles
 Formation MicroScanner logs, B:614–615,
 617, 621
 photograph, A:249
See also gravel; limestone pebbles

Pecllet number, sediments, A:317

Pegia half-graben, uplifts, B:733

Pelagian Block, Miocene carbonates, B:433

pelagic environment, chalk, B:410

pelagic sedimentation, Pleistocene, A:431

Pelagonian Zone, tectonics, B:682–683

peloids, micritic, photomicrograph, B:405

pelsparite, mud breccia, B:601

penetrometer tests, normal faults, B:651–657, 659

Perapedhi Formation
 geology, A:291; B:743
 petrography, B:455

permeability

matrix, B:668
 sediments, B:631–633, 637–640
 vs. effective stress, B:639

Permian, Upper, tectonic models, B:766

petrographic facies, vs. depth, B:495

petrography
 clasts, B:577–579
 mass flow units, B:471
 matrix, B:579–580

petrophysical units, correlation, A:142

pH, vs. depth, A:114

phaeophytins, sapropels, B:298–302

phenocrysts. *See* microphenocrysts

phenols, alkylated, sapropels, B:288, 292

phenols, sapropels, B:288

phosphate, sapropels, A:23

phosphatic material, Miocene, B:423

phosphorus, water circulation, A:57

phosphorus oxide, carbonates, B:448

photic zone
 organic matter, B:34, 285–295
 Zanclean, B:120
See also anoxia; euxinia

photoautotrophs, sapropels, B:289

photoelectric factor logs, vs. depth, A:146–148,
 203–205, 208–210, 264–266, 325–326,
 404–408, 447

physical properties
 correlation with lithostratigraphy, A:73, 118,
 139, 141, 254–255, 263, 317, 461,
 488–489; B:625–643
 correlation with organic matter, A:254–255
 Site 963, A:71–73
 Site 964, A:117–118
 Site 965, A:137–141
 Site 966, A:190–192
 Site 967, A:252, 254–255
 Site 968, A:313–314, 316–317
 Site 969, A:371–373
 Site 970, A:396–397
 Site 971, A:439, 441–444
 Site 972, A:460–461
 Site 973, A:487–489
 vs. depth, B:538–540

phytane
 biomarkers, B:355–356
 gas chromatograms, B:287, 290

phytoplankton, sapropels, B:266–268, 277

Piacenzian
 calcareous plankton, B:155–165
See also Zanclean/Piacenzian boundary

Piacenzian/Gelasian boundary, cyclostratigraphy,
 B:195–196

pigments
 chromatograms, B:299–301
 sapropels, B:34

pigments, photosynthetic, sapropels, B:297–302

Pina well, tectonics, A:56–57

Pisano Plateau
 drilling, A:5
 sapropels, B:207–217, 271–283
 tectonics, A:87–88

Pissouri sub-basin
 fanglomerate, B:560–562
 Messinian gypsum, B:459–460

plagioclase
 petrography, B:455
See also individual minerals

Plagoniids, Site 971, B:141, 151

plankton, calcareous, biostratigraphy, B:155–165

Planolites
 lithofacies, B:408
 lithologic units, A:59–60, 161, 220–223
 photograph, A:68, 169, 171, 237

plate boundary
 isostasy, B:691
 tectonics, B:731

plate boundary, convergent. *See* convergent plate
 boundaries

plate tectonics
 Campanian–Maastrichtian succession, B:771
 Cenomanian–Turonian succession, B:770
 early Miocene, B:773
 Eurasia, A:5–6; B:682–683
 evolution of seamount in relation to
 Eratosthenes Seamount, B:696
 late Miocene, B:774
 late Pliocene–Quaternary succession, B:774
 lineaments, B:705–706
 mass flow deposits, B:479–480
 middle–late Eocene, B:772
 ophiolite, B:764
 Paleocene–lower Eocene succession, B:771
 subsidence, B:509–515
 thrust stacks, B:73
 Triassic–Jurassic succession, B:769
See also convergent plate boundaries;
 microplates

Plattenkalk, thrust stacks, B:672

Pleistocene
 fanglomerate, B:545–566, 743, 746
 lithologic units, A:59, 129–130, 294–295,
 381–383, 423–430
 paleogeography, B:674–675
 sedimentation model, B:563–564
 tectonic models, B:775
 uplifts, B:733
See also Pliocene–Quaternary succession;
 Pliocene/Pleistocene boundary;
 Quaternary

Pleistocene, lower, *Gephyrocapsa* sp., B:191–197

Pliocene
 calcareous plankton, B:155–165
 carbonate geochemistry, B:447–451
 channels, B:477–478
 chemostratigraphy and biostratigraphy, B:17,
 21
 chronostratigraphy, B:101
 distribution and abundance of benthic
 foraminifers, B:18, 20
 hiatuses, B:524
 lithologic units, A:92–93, 129–130, 160–161,
 220–222, 294–295, 339–340, 381, 383,
 421–423, 452–454, 469–474
 paleoclimatology, B:227–248
 paleogeography, B:674–675
 sapropels, B:199–217
 tectonic models, B:774–775
 tectonics, A:56–58
See also Messinian/Pliocene boundary;
 Miocene–Pliocene succession;
 Miocene/Pliocene boundary

Pliocene, lower
 mass flow deposits, B:465–481
 sedimentary facies, A:516; B:686–687

Pliocene, middle, paleoclimatology, B:219–226

Pliocene–Quaternary succession
 biostratigraphy, B:83–112, 125–135
 magnetostratigraphy, B:61–73
 normal faults, A:127
 oxygen isotopes, B:181–189
 paleoclimatology, B:167–180, 227–248
 plate tectonics, B:774
 productivity, B:244–245
 sapropel stratigraphy, B:181–189
 sapropels, B:333–348
 sedimentation, B:687–688
 tectonics, A:5–6, 73, 157, 196–197, 199,

- 217–218, 416–417, 466–467, 516–517
vertical tectonics, A:88
- Pliocene/Miocene boundary, unconformities, B:348
- Pliocene/Pleistocene boundary
chronostratigraphy, B:101
correlation, B:160–164
- polar fraction
gas chromatograms, B:292
lipids, B:286–287, 294–295
- polar fraction, desulfurized, sapropels, B:287–288
- Polis Graben
lithofacies, B:477
uplifts, B:733–734, 773
- pore water
bacteria, B:305–306
gas hydrates, B:569–574
geochemistry, A:78, 114, 190, 253, 312, 366, 393, 436, 451, 486, 492
sulfate reduction, B:365–373
- Porites* sp., lithofacies, B:489
- porosity
diagenesis, B:424–425, 427, 429
diatom ooze, B:355
vs. bulk density, B:541
vs. compressional wave velocity, B:538, 541
vs. depth, A:83, 401, 442; B:510, 539–540, 633
See also dissolution porosity; neutron porosity logs; solution porosity
- porosity, moldic
chalk, B:406, 408
lithologic units, A:162, 197
photograph, A:133
- porosity logs
vs. depth, A:261–263, 271
See also gamma ray–density–porosity logs; hydrogen/(silicon + calcium) ratio; lithoporosity logs; neutron porosity logs
- potassium
evaporites, A:69
lateral flow, A:313
pore water, A:67, 110, 187, 311, 437, 485
vs. chloride and bromide, A:115
vs. depth, A:79, 190, 255, 271, 312, 367, 394–396, 436–437, 487; B:572
vs. rubidium, A:313
- potassium/chlorine ratio, vs. depth, A:396, 487; B:571–572
- potassium logs, vs. depth, A:150–151, 208–210, 271, 323–324
- potassium oxide logs, vs. depth, A:285–287
- potassium/aluminum ratio
vs. depth, B:210, 212, 214
vs. magnesium/aluminum ratio, B:213
- precession index, sapropels, A:24; B:33, 35
- precipitation
diagenesis, A:366
isotopic stratigraphy, B:178–179
sapropels, B:35, 245
- preferred orientation, mud breccia, B:600
- preservation
opal, B:358–359
radiolarians and silicoflagellates, B:144–145
- pressure dissolution, diagenesis, B:427
- prist-1-ene, sapropels, B:288
- pristane
biomarkers, B:352
gas chromatograms, B:287, 290
- productivity
geochemistry, B:211, 213, 215
isotopic stratigraphy, B:178–179, 317–331
organic matter, B:200–204
- Pliocene–Quaternary succession, B:232, 235, 238, 241
- radiolarians and silicoflagellates, B:144–145
- sapropels, A:23; B:33, 227–248
- sedimentation rates, B:34
- Zanclean, B:120
- Prometheus II mud diapir field, mud volcanoes, A:19
- provenance
clast lithology, B:585–586, 668, 678
major and minor elements, B:213
paleoenvironment, A:296–297
sandstone, B:578, 584
sapropels, B:35
sediments, B:221
trace elements, B:200–204
- Provence, tectonics, A:15
- Prymnesiophyceae, sapropels, B:264, 267
- pseudolaminations, photomicrograph, B:594–595
- Pseudosolenia calcar-avis*, paleoecology, B:357–358
- Pterocorythids, three-segmented, Site 971, B:141, 148, 152
- pteropods
photograph, A:98, 299
sediments, B:230, 232–233, 236, 239
- Punta Piccola, paleoclimatology, B:219–226
- Puturge. *See* Bitlis–Puturge massifs
- Puturge metamorphic massif, tectonics, B:761, 763, 770
- pycnocline, Zanclean, B:119–120
- Pyloniid group, Site 971, B:140, 144, 148, 150
- pyrite
chalk, B:410
diagenesis, B:408
diffusion, B:255–256
lithologic units, A:59, 93, 294, 340, 454
origin, B:587
photograph, A:457, 474
reactivity, B:254–255
remineralization, B:254
sediments, B:230, 232–233, 236, 239, 581
vs. depth, A:96
- pyrite, diagenetic, photomicrograph, B:409, 594
- pyritization, vs. organic carbon, B:254
- pyrolysis, sapropels, A:113, 115, 119, 189
- pyrophaeophytin, sapropels, B:298–302
- pyridines, alkylated, sapropels, B:288
- pyrroles, alkylated, sapropels, B:288
- quartz
accumulation rates, B:231, 234, 237, 240
lithologic units, A:129–130, 220–222, 296
petrography, B:455, 577–578
provenance of major elements, B:213
sediments, B:581
vs. depth, A:96, 228, 385
- quartz arenite, photomicrograph, B:591
- quartz grains
clasts, B:598, 601
photomicrograph, B:591
- quartz, metamorphic, photomicrograph, B:592
- quartz, microcrystalline, photomicrograph, B:405
- Quaternary
calcareous plankton, B:155–165
lithologic units, A:92–93, 160–161, 220–222, 339–340, 421–430, 452–454, 469–471
paleoclimatology, B:227–248
sapropels, B:311
See also Pliocene–Quaternary succession
- Quaternary, upper
radiolarians and silicoflagellates, B:137–154
sapropels, B:349–363
- radiolarians
Quaternary, B:137–154
systematics, B:138–142
- Raffaello Basin, tectonics, A:87–88
- rainfall, provenance, B:225
- recrystallization
deposition, A:130–132
diagenesis, A:188, 366; B:423–424, 581, 583
photomicrograph, B:473, 592
- redox
provenance of trace elements, B:203–204
sapropels, B:317
See also oxidation; pH
- reduction
sulfur, B:253–257, 289
See also redox; sulfate reduction
- reefs
comparison with Miocene carbonates, B:433
deposition, B:433–435
paleoenvironment, B:492–493
- reefs, seeding, Miocene–Pliocene succession, B:499
- reflectance
composite depths, A:106, 108, 182–183, 185, 242–246, 310, 362–363, 469, 484; B:39, 46–50
correlation with lithology, A:95, 227, 296
lithologic units, A:59
lithology, A:131, 164, 470
remanent magnetization, A:179
sapropels, A:91–92
vitrinite, B:668
vs. depth, A:111, 187, 251, 311, 364, 484
- reflectors
Messinian, A:515–516
Messinian gypsum, B:459–460
See also “M” reflector
- remanent magnetization, sediments, A:63, 103–104, 135–136, 177, 179, 233–234, 303–304, 356–357, 390, 435, 458, 479, 481
- remanent magnetization, anhysteretic, vs. depth, B:77–79
- remanent magnetization, anhysteretic/volumetric magnetic susceptibility ratio, vs. depth, B:80–82
- remanent magnetization, “hard” isothermal sediments, A:179
vs. depth, A:178; B:80–82
- remanent magnetization, natural, intensity, vs. inclination, B:70
- remanent magnetization, saturation isothermal, vs. depth, B:77–79
- remanent magnetization, saturation isothermal/volumetric magnetic susceptibility ratio, vs. depth, B:80–82
- remanent magnetization, stirred, magnetic intensity, A:499
- remineralization, organic matter, B:254
- resistivity, lithofacies, B:490
- resistivity logs
vs. depth, A:146–147, 203–205, 211–213, 267–269, 278–281, 325–327, 408, 447, 491
See also gamma ray–resistivity–sonic logs
- retention times, hydrocarbons, B:274, 276
- Reticulofenestra pseudumbilicus
abundance, B:103
paracme, B:104
- Réunion Subchron, remanent magnetization, B:67
- reverse faults
cobblestone topography, A:88
deformation, A:105, 238
geology, B:738

- photograph, A:362, 460
 projection, A:459
 structural data, A:359, 361, 481, 483
 rheology, mud, A:13–14
 rhizosolenids, paleoecology, B:357–358
 Rhodes, tectonics, A:6
 rhodoliths
 Miocene, B:421
 photomicrograph, B:424
 rifting
 geology, B:737–738
 tectonic models, B:775
 tectonics, A:16
 Triassic, B:728
 river capture, sedimentation, B:563–564
 river transport, provenance, B:225
 rivers
 provenance of major elements, B:213
 provenance of trace elements, B:202–203
 rock fragments, vs. depth, A:228, 297, 385
 Rock-Eval data
 Messinian–Pliocene succession, B:441
 sediments, A:70–71, 82, 113, 115, 119,
 137–138, 189, 195, 250–251, 259, 313,
 318, 369–370, 395–396, 400
Rosella, sapropel age, B:187
 Rosetta Formation, sediments, B:496
 rubidium
 evaporites, A:249
 lateral flow, A:313
 pore water, A:67, 110, 187, 311
 vs. depth, A:79, 312
 vs. potassium, A:313
 ruststone, lithofacies, B:495

 S-ratio, vs. depth, A:178
 Sahara, sandstone, B:584
 salinity
 diagenesis, A:110
 evaporites, A:247, 249, 311, 366–367
 Formation MicroScanner logs, B:619
 Messinian, B:477
 mud volcanoes, B:638–639
 organic matter, B:317–318
 pore water, A:67, 110, 186, 393–394, 401,
 435–437, 485
 reefs, B:435
 sapropels, B:319, 323–327, 329
 vs. depth, A:79, 114, 190, 254, 314, 367,
 393–395, 436, 486; B:572
 vs. temperature, B:324, 330
 Zanclean, B:119–120
 salinity crisis, Messinian, A:515–516; B:774
 salinity logs
 vs. depth, A:271
 See also chlorine/hydrogen ratio
 salinity ratio, vs. depth, A:271
 sand
 lithologic units, A:296, 469–471; B:438–439,
 441, 454
 occurrence and correlation, A:480
 petrography and mineralogy, B:454–456
 photograph, A:473
 sand, carbonate, photograph, A:472
 sand, foraminifer, lithologic units, A:129–130
 sand fraction, sediments, B:230, 233, 236, 239
 sandstone
 clasts, B:598
 lithologic units, A:383
 mud breccia, A:11–14
 mud domes, A:522–524
 photograph, A:470
 photomicrograph, B:595
 See also litharenite; quartz arenite
 sandstone, calcareous, lithofacies, B:469
 sandstone, carbonate, photograph, A:429
 sandstone, green, lithofacies, B:555
 sandstone, lithoclastic, photomicrograph, B:592
 sandstone, quartzose
 petrography, B:577–578
 photomicrograph, B:591
 sandstone, subarkose, mud breccia, B:603
 sandstone clasts
 cross laminations, B:583
 lithology, A:400, 430–431
 photomicrograph, A:389
 Santernian, calcareous plankton, B:155–165
 Santernian/Emilian boundary, cyclostratigraphy,
 B:195
 Santonian
 biostratigraphy, B:401
 stratigraphy, B:412
 Santorini, tectonics, A:5–6
 sapropels
 abundance, B:658
 age model, B:183–186, 191–197
 bacteria, B:303–307
 beds within composite section, A:96
 bioturbation, B:336–337
 calibration to insolation, B:194–195
 composition, B:333–348
 correlation, A:91, 167, 474, 476
 deformation, A:304, 307, 310
 deposition, B:227–248
 duration of events, B:214–215
 formation models, A:21, 23–24, 118, 120;
 B:29–36, 215, 242–244, 249–259,
 309–331
 geochemistry, A:395–396; B:199–217,
 285–295, 309–331
 lithofacies, B:469
 lithologic units, A:93, 95–96, 129, 220–222,
 294, 340–342, 374, 423, 454, 471
 lithology, A:445
 magnetic properties, B:75–82
 microfabric, B:333–348
 mud, A:217–218
 mud breccia, A:12
 normal faults, B:647–649
 occurrence, A:352
 occurrence and correlation, A:480
 occurrence through time, B:32
 organic matter, B:261–269, 285–295
 paleoceanography, A:21–25
 photograph, A:97–100, 168–172, 229–230,
 233–236, 298–299, 345–351, 425–426,
 473–475; B:348
 photomicrograph, B:247–248, 658
 pigments, B:34, 297–302
 Pliocene, B:262
 position, A:92–93
 position and astronomical ages, B:193
 position and extent, A:353–354
 position and organic carbon, A:165–166,
 478–479
 pyrolysis, A:119
 sedimentation, B:563–564
 stable isotopes, B:177–178
 stratigraphy, B:181–189
 tectonic tilt, A:361–362
 timing of deposition, A:24
 upper Quaternary, B:349–363
 vs. depth, B:649
 Zanclean, B:113–123
 sapropels, composite, lithologic units, A:96
 sapropels, deformed, photograph, A:346, 349
 sapropels, diatom-ooze, electron microscopy,
 B:349–363
 sapropels, laminated
 "0" group, B:336
 "e" bed, B:336
 electron microscopy, B:335–336, 349–363
 "O" group, B:336
 photograph, A:345, 347, 350, 475
 sapropels, multiple-band, photograph, A:99
 sapropels, oxidized
 lithologic units, A:96
 photograph, A:100, 348, 474
 sapropels, relict, photograph, A:477
 sapropels, S1, photograph, A:298, 346, 425–426
 sapropels, S3, photograph, A:299, 342
 sapropels, S5, photograph, A:234, 347, 426, 475;
 B:341, 361
 sapropels, S6, photograph, A:347, 475
 sapropels, single-band, photograph, A:97–98
 sapropels, thick-bedded, lithologic units, A:95–96
 sapropels, thin-bedded, lithologic units, A:95
 Sardinia, tectonics, A:15
 Scitii a Fucoidi, paleogeography, B:672
 Scyphosphaera, Zanclean abundance, B:119
 seafloor spreading, Carnian–Norian, B:766
 sea-level changes
 lithologic units, B:438
 Pliocene channels, B:478
 sedimentation, B:563–564
 subsidence, B:513
 uplifts, A:520
 See also eustasy; glacioeustasy; isostasy
 seamounts
 bathymetry, A:7–10, 157
 collision with active margins, B:465–481
 collisions, A:513–520
 Cretaceous–Holocene evolution, B:525
 Eocene–Miocene shallowing, B:496, 498–499
 geologic setting, A:217–218
 Holocene tectonic framework, B:716–718
 Mesozoic origin, B:710–713
 Messinian island, B:716
 Miocene, B:434
 paleoenvironment, B:483–508
 Pliocene–Quaternary, A:127
 structural history, B:688–689, 711
 Tertiary evolution, B:713–716
 seawater, provenance of trace elements, B:203–
 204
 sedimentary facies
 mud domes, A:522–524
 Pliocene, A:516
 sedimentary sequences, continuous, composite
 sections, B:37–59
 sedimentary structures
 lithofacies, B:408
 mass flow units, B:471
 mud breccia, B:600
 within clasts, B:583
 See also burrows; grading; lineations;
 preferred orientation; trace fossils
 sedimentation
 clastic environment, B:563–564
 Pliocene–Quaternary succession, B:687–688
 provenance, B:225
 sapropels, A:118, 120
 sources, B:200–204
 sedimentation rates
 biochronology, B:108–109
 Cretaceous, B:384, 386
 diatom annual cycles, B:358
 major elements/aluminum ratio, B:213–214
 organic carbon, B:34
 Site 963, A:62–63
 Site 964, A:102–103
 Site 965, A:135

- Site 966, A:176–177
 Site 967, A:231, 233
 Site 968, A:303
 Site 969, A:355–356
 Site 972, A:458
 Site 973, A:479
 Upper Cretaceous, B:408
 vs. sulfate reduction, B:370
See also mass accumulation rates
 sedimentation rates, linear, Pliocene–Quaternary
 succession, B:228
 sedimentology
 Cretaceous–Paleogene succession, B:403–417
 Messinian, B:115
 Messinian/Pliocene boundary, B:3–8
 mud breccia, B:601
 sapropels, B:349–352
 sediments
 bacteria, B:303–307
 bathymetry, A:7–10
 composition, B:611–612
 iron and sulfur, B:249–259
 lithostratigraphy, A:75–76, 78
 magnetic properties, B:75–82
 mineralogy, B:219–226
 mud breccia, A:10–14
 physical properties, B:625–643
 Pliocene–Quaternary, A:88
 sediments, clast-rich, matrix-supported,
 lithofacies, B:469–471
 sediments, dark gray, lithologic units, A:59
 sediments, distal mud-volcanic, petrography,
 B:580
 sediments, fine-grained
 lithologic units, A:294–295
 petrography, B:579
 sediments, hemipelagic, petrography, B:580–581
 sediments, layered, Formation MicroScanner logs,
 B:615
 sediments, mixed
 index properties, B:636
 lithologic units, A:469–471
 sediments, oxidized, photomicrograph, B:247–248
 sediments, red
 occurrence, A:352
 photograph, A:343
 seismic profiles
 Cyprus, B:731
 paleoenvironment, B:483–508, 710–715
 seamounts, B:692–693, 710–715
 Site 963, A:57, 59, 61
 Site 964, A:90
 Site 965, A:126–127, 129
 Site 966, A:157–159, 162
 Site 967, A:218–220, 223
 Site 968, A:291–292, 294
 Site 969, A:339–340
 Site 970, A:379, 382
 Site 971, A:418, 421
 Site 972, A:453–454
 Site 973, A:467, 469
 seismic-stratigraphic string logs, vs. depth,
 A:146–147
 selenium, vs. depth, B:201
 sepiolite
 Formation MicroScanner logs, B:619
 provenance, B:238
 sequences, lithofacies, B:554
 serpentine, electron microscopy, B:443–444
 shear strength
 vs. depth, A:84, 123, 198, 262, 319, 372, 403,
 443, 463, 489; B:637
 vs. sediment fabric and composition,
 B:659–660
 shear strength, drained
 normal faults, B:650
 sediments, B:657, 659
 shear strength, undrained, normal faults,
 B:649–656
 shear strength, vane
 sediments, A:72, 83, 118, 122, 139, 191, 197,
 254, 261, 314, 371–372, 397, 402,
 442–443, 460, 463, 487, 489; B:630,
 636–638, 640; bp:CD-ROM
 vs. depth, B:650, 657
 shear zones
 deformation, A:182
 overpressure, B:668–669
 photograph, A:109, 184–185, 309
 photomicrograph, B:638, 658
 structural data, A:484
 shells
 fragments, B:579
 photomicrograph, B:405, 426, 473, 475, 506
See also bivalves; gastropods; mollusks
 shore-based processing, well-logs, A:149, 207,
 273, 329, 409, 448, 493
 shortening, strain, B:521–522
 Sicilian, calcareous plankton, B:155–165
 Sicily
 Miocene carbonates, B:433
 paleoclimatology, B:219–226
 tectonics, A:15, 56
See also Strait of Sicily
 Sikhari Formation, tectonics, B:749
 silica
 depth, A:367
 diagenesis, B:427
 lateral flow, A:311, 313
 organic matter, A:247, 310–311, 363
 pore water, A:67, 110, 187–188, 391
 radiolarians and silicoflagellates, B:144–145
 vs. depth, A:115, 190, 253, 312, 394–396
 silica logs, vs. depth, A:285–287
 silicic acid, opal, B:358–359
 siliciclastics
 petrography, B:580
 photomicrograph, B:593
 silicification, photomicrograph, B:405
 silicoflagellates
 Quaternary, B:137–154
 systematics, B:142–143
 silicon
 provenance of major elements, B:213
See also hydrogen/(silicon + calcium) ratio
 silicon/aluminum ratio, vs. depth, B:210–212
 silicon/(silicon + calcium) ratio
 vs. depth, A:271
See also lithology logs
 silt
 abundance, B:241
 lithologic units, A:296, 469–471; B:438–439,
 441, 454
 Messinian, B:455
 petrography, B:577–578
 photograph, A:298, 424, 430, 455
 silt, calcareous
 mass flow units, B:468
 photograph, B:456
 silt, sandy
 lithologic units, A:423–424, 427–428
 photograph, A:300
 siltstone
 clasts, B:598
 mud breccia, A:11–14
 mud domes, A:522–524
 petrography, B:578
 photograph, A:390
 siltstone, calcareous
 lithofacies, B:469
 photograph, A:477
 siltstone clasts, lithology, A:430–431
 simulation, magnetic intensity change, A:502
 Sinai, Cretaceous–Paleogene succession, B:412
 Singa
 correlation, B:160–161, 164
 sapropel age, B:187
 Sirte Abyssal Plain, geology, A:337, 451
 Site 121, Messinian gypsum, B:459
 Site 122, Messinian gypsum, B:459
 Site 124, Messinian gypsum, B:459
 Site 125, Messinian gypsum, B:459
 Site 129, Messinian gypsum, B:459
 Site 132, Messinian gypsum, B:459
 Site 134, Messinian gypsum, B:459
 Site 371, Messinian gypsum, B:459
 Site 375
 lithofacies, B:459
 Miocene–Pliocene succession, B:478
 Site 376
 lithofacies, B:459
 Miocene–Pliocene succession, B:478
 Site 378, Messinian gypsum, B:459
 Site 849, oxygen isotopes, B:186
 Site 963, A:55–84
 background and objectives, A:56
 biostratigraphy, A:60–63; B:102
 composite depths, A:64, 66
 coring summary, A:60
 geological setting, A:56–58
 inorganic geochemistry, A:67, 69
 lithostratigraphy, A:59–60
 magnetostratigraphy, B:63–64
 operations, A:58
 organic geochemistry, A:69–71
 oxygen isotopes, B:168–172
 paleomagnetism, A:63
 physical properties, A:71–73
 sedimentation rates, A:62–63
 site description, A:55–84
 site geophysics, A:58
 smear slides, A:951
 structural geology, A:63–64
 summary and conclusions, A:73, 75–76, 78
 Site 964, A:85–123
 background and objectives, A:86–87
 biostratigraphy, A:100–102; B:155–165
 composite depths, A:106, 108
 coring summary, A:89
 geological setting, A:87–88
 inorganic geochemistry, A:108, 110, 113
 lithostratigraphy, A:90–100
 magnetostratigraphy, B:64–66
 normal faults, B:645–661
 operations, A:88–89
 organic geochemistry, A:113, 115–117
 organic matter in sapropels, B:271–283
 oxygen isotopes, B:169, 172–176
 paleoclimatology, B:219–248
 paleomagnetism, A:103–104
 physical properties, A:117–118
 sapropel geochemistry, B:199–217, 309–331
 sapropels, B:32
 sedimentary sequences, B:41–45
 sedimentation rates, A:102–103
 site description, A:85–123
 site geophysics, A:89–90
 smear slides, A:953–954
 structural geology, A:104–106
 summary and conclusions, A:118, 120
 Site 965, A:125–153
 background and objectives, A:125–126

- biostratigraphy, A:132–135; B:85–86, 129–130
carbonate geochemistry, B:447–451
coring summary, A:128
downhole measurements, A:141–142
geological setting, A:126–127
lithostratigraphy, A:129–132; B:487, 489–490, 519
Messinian, B:458
Miocene carbonates, B:420
normal faults, B:645–661
operations, A:128
organic geochemistry, A:136–137
paleoenvironment, B:453–463
paleomagnetism, A:135–136
physical properties, A:137–141
sedimentation rates, A:135
site description, A:125–153
site geophysics, A:128–129
smear slides, A:955
structural geology, A:136; B:517–526
summary and conclusions, A:142–143
tectonics, B:527–534
temperature, A:317–318
- Site 966, A:155–213
acoustic properties, B:535–543
background and objectives, A:156–157
biostratigraphy, A:164, 170, 173–176; B:86–89, 130, 377–394
composite depths, A:182–183, 185
coring summary, A:160
downhole measurements, A:192, 194–196
Eocene–Upper Cretaceous, B:395–396
geological setting, A:157
high-resolution magnetic measurements, B:75–82
inorganic geochemistry, A:185–188
lithostratigraphy, A:160–164; B:403, 485–487, 489, 519
magnetostratigraphy, B:66–68
mass flow deposits, B:465–481
Messinian, B:458–459
Miocene carbonates, B:420–421
normal faults, B:645–661
operations, A:157–159
organic geochemistry, A:188–190
paleoclimatology, B:227–248
paleoenvironment, B:483–508
paleomagnetism, A:177–179
photosynthetic pigments, B:297–302
physical properties, A:190–192
sapropels, B:32, 285–295
sedimentary sequences, B:45, 403
sedimentation rates, A:176–177
site description, A:155–213
site geophysics, A:159–160
smear slides, A:957–959
structural geology, A:179–182; B:517–526
subsidence, B:509–515
summary and conclusions, A:196–199
tectonics, B:527–534
temperature, A:318–319
- Site 967, A:215–287
acoustic properties, B:535–543
background and objectives, A:216–217
biostratigraphy, A:224–231; B:11, 13, 89–92, 130–131, 377–394
composite depths, A:242–244, 246
coring summary, A:221
downhole measurements, A:255, 258–263
Eocene–Upper Cretaceous, B:396–397
geological setting, A:217–218
high-resolution magnetic measurements, B:75–82
- inorganic geochemistry, A:246–247, 249–250
isotope stratigraphy, B:377–394
lithostratigraphy, A:220–224; B:403, 488–492, 519
magnetostratigraphy, B:68–71
Messinian, B:457–458
Miocene/Pliocene boundary, B:9–28
normal faults, B:645–661
operations, A:218–219
organic geochemistry, A:250–252
paleoceanography, B:113–123
paleoclimatology, B:227–248
paleoenvironment, B:453–463, 483–508
paleomagnetism, A:233–234
physical properties, A:252, 254–255
sapropel age, B:191–197
sapropel geochemistry, B:199–217, 249–259, 309–331
sapropel stratigraphy, B:181–189
sapropels, B:32
sedimentary sequences, B:45–47
sedimentation rates, A:231, 233
site description, A:215–227
site geophysics, A:219–220
smear slides, A:960–964
structural geology, A:234–235, 238–242; B:517–526
subsidence, B:509–515
summary and conclusions, A:263–267
tectonics, B:527–534
temperature, A:320
- Site 968, A:289–333
background and objectives, A:290
biostratigraphy, A:298–303; B:92–93
composite depths, A:310
coring summary, A:293
downhole measurements, A:321–324
geological setting, A:290–291
heat flow, A:317–320
organic geochemistry, A:310–313
lithostratigraphy, A:293–298
magnetostratigraphy, B:71
Messinian nonmarine deposition, B:437–445
operations, A:291–293
organic geochemistry, A:313
paleomagnetism, A:303–304
physical properties, A:313–314, 316–317
sedimentation rates, A:303
sedimentology, B:3–4
site description, A:289–333
site geophysics, A:293
smear slides, A:965–966
structural geology, A:304–310
summary and conclusions, A:324–326
temperature, A:320
- Site 969, A:335–375
background and objectives, A:336
bacterial populations, B:303–307
biostratigraphy, A:344, 348, 351–355; B:13–17, 101, 131
composite depths, A:362–363
coring summary, A:339
geological setting, A:336–337
heat flow, A:373–374
high-resolution magnetic measurements, B:75–82
inorganic geochemistry, A:363, 366–367
lithostratigraphy, A:338–344
magnetostratigraphy, B:71
Miocene/Pliocene boundary, B:9–28
operations, A:337–338
organic geochemistry, A:367–371
organic matter in sapropels, B:261–269, 285–295
- paleoceanography, B:113–123
paleoclimatology, B:227–248
paleomagnetism, A:356–357
photosynthetic pigments, B:297–302
physical properties, A:371–373
radiolarians and silicoflagellates, B:137–154
sapropel age, B:191–197
sapropel geochemistry, B:199–206, 249–259
sapropels, B:32
sedimentary sequences, B:47–49
sedimentation rates, A:355–356
sedimentology, B:5–6
site description, A:335–375
site geophysics, A:338
smear slides, A:967
structural geology, A:357–362
summary and conclusions, A:374
- Site 970, A:377–413
background and objectives, A:378
biostratigraphy, A:385–387, 389–390
coring summary, A:380
downhole measurements, A:399
gas hydrates, B:569–574
geological setting, A:378–379
inorganic geochemistry, A:390–394
lithostratigraphy, A:381–385
mud volcanoes, B:597–605, 607–624, 665–680
operations, A:379–380
organic geochemistry, A:394–396
paleomagnetism, A:390
physical properties, A:396–397; B:625–643
site description, A:377–413
site geophysics, A:380–381
smear slides, A:969–970
summary and conclusions, A:400–401
- Site 971, A:415–450
background and objectives, A:416
biostratigraphy, A:431–435
coring summary, A:419
downhole measurements, A:444–445
gas hydrates, B:569–574
geological setting, A:416–417
inorganic geochemistry, A:435–437
lithostratigraphy, A:420–431
mud volcanoes, B:597–605, 607–624, 665–680
operations, A:417–420
organic geochemistry, A:437–439
paleomagnetism, A:435
physical properties, A:439, 441–444; B:625–643
radiolarians and silicoflagellates, B:137–154
sapropels, B:349–363
site description, A:415–450
site geophysics, A:420
smear slides, A:971–972
summary and conclusions, A:445–446
- Site 972, A:451–464
background and objectives, A:451
biostratigraphy, A:454–458
coring summary, A:453
geological setting, A:451
heat flow, A:461
lithostratigraphy, A:452–454
magnetostratigraphy, B:71
operations, A:451–452
organic geochemistry, A:459–460
physical properties, A:460–461
sedimentation rates, A:458
site description, A:451–464
site geophysics, A:452
structural geology, A:458–459
summary and conclusions, A:461

- Site 973, A:465–494
background and objectives, A:466
biostratigraphy, A:477–479
composite depths, A:484
coring summary, A:468
downhole measurements, A:489–491
geological setting, A:466–467
inorganic geochemistry, A:484–485
lithostratigraphy, A:468–477
magnetostratigraphy, B:71–72
operations, A:467–468
organic geochemistry, A:485–487
paleomagnetism, A:479, 481
physical properties, A:487–489
sedimentation rates, A:479
site description, A:465–494
site geophysics, A:468
structural geology, A:481–484
summary and conclusions, A:491–492
- site geophysics
Site 963, A:58
Site 964, A:89–90
Site 965, A:128–129
Site 966, A:159–160
Site 967, A:219–220
Site 968, A:293
Site 969, A:338
Site 970, A:380–381
Site 971, A:420
Site 972, A:452
Site 973, A:468
- sitosterol
sapropels, B:266–267
See also beta-sitosterol
- size grading, clasts, B:583
- slickensides, deformation, A:242
- slump/slide unit, lithologic units, A:220–222
- slump folds, photograph, A:229, 246, 426
- slumping
deposition, A:130–132
structural data, A:63, 136
- smear slide data
lithology, A:427
vs. depth, A:96, 228, 297, 342, 385
- smear slides
Site 963, A:951
Site 964, A:953–954
Site 965, A:955
Site 966, A:957–959
Site 967, A:960–964
Site 968, A:965–966
Site 969, A:967
Site 970, A:969–970
Site 971, A:971–972
- smectite
abundance, B:241–242
electron microscopy, B:443–444
Formation MicroScanner logs, B:619
lithologic units, A:295; B:438
matrix, B:599
origin, B:586–587
provenance, B:238
vs. depth, B:221, 223
See also kaolinite/smectite ratio
- smectite/illite ratio, sediments, B:235, 242–244
- sodium
evaporites, A:247, 249, 311, 366–367
pore water, A:186–187, 391–392, 485
vs. chlorine, A:254, 313
vs. depth, A:114, 190, 254, 314, 367, 393–395, 437, 486
- sodium/chlorine ratio, vs. depth, A:486; B:572
- solution cavities
diagenesis, B:425, 427
photomicrograph, B:475
solution porosity, lithoclasts, B:474
South Aegean Volcanic Arc, tectonics, A:5–6
South Anatolian Fault Zone, tectonics, B:760–761
South Troodos Transform Fault Zone, basement, B:734, 745, 769
spar, photomicrograph, B:425–426
Sphaeridinellopsis group, abundance, B:22
Sphaeroidinellopsis acme event, Site 967, B:13, 17, 19, 21
Sphenolithus spp., abundance, B:103
splice tie points, composite depths, A:113, 189, 253, 366, 485
- sponge spicules
Miocene, B:423
photomicrograph, B:424
- spreiten, photograph, A:68
- stable isotopes
biochronology, B:167–180
carbonates, B:448–450
Incertae sedis, forma A, B:132
ooze, B:17–18
sapropels, B:35, 309–331
sedimentology, B:3–8
sediments, B:13–15
sulfate reduction, B:365–373
- stanols, sapropels, B:266–267
- stanols/sterols ratio, sapropels, B:267
- steradienes, sapropels, B:287, 289
- sterenes, desmethyl, sapropels, B:287, 289
- sterenes, four-methyl
gas chromatograms, B:287
sapropels, B:287, 289
- sterols
gas chromatograms, B:278
sapropels, B:266–268, 276–279
structure, B:283
vs. organic carbon, B:279
See also stanols/sterols ratio
- sterols, desmethyl, sapropels, B:287, 289
- sterols, four-methyl, sapropels, B:266, 287, 289
- stigmasterol, sapropels, B:266–267
- strain
seamounts, B:688–689
shortening, B:521–522
vs. depth, B:521–523
- Strait of Sicily
paleoceanography, B:38
tectonics, A:56
See also Sicily
- stratigraphy
Eratosthenes Seamount, B:703
mass flow deposits, B:466–469
sapropels, A:24, 27–28; B:31–33
- stress
fractures, B:530–534
seamounts, B:688–689
tectonics, B:527–534
- stress, effective
mud volcanoes, B:638
vs. permeability, B:639
- strike-slip faults
deformation, A:105
emplacement, B:736
- strontium
carbonates, B:448
diagenesis, A:188, 311
evaporites, A:69, 249
gypsum, A:250, 311
vs. chloride and bromide, A:115
vs. depth, A:80, 114, 192, 255, 314, 367; B:371
vs. dolomite, B:450
vs. sulfate, A:255
X-ray fluorescence data in carbonates, B:450
- strontium/calcium ratio
carbonates, B:448
gypsum, A:263
- strontium/chlorine ratio, vs. depth, A:255–256, 314, 367
- structural data
normal faults, B:647–649
Site 963, A:74–75
Site 964, A:107–108
Site 965, A:137
Site 966, A:181–182
Site 967, A:245
Site 968, A:305–307
Site 969, A:359–360
Site 970, A:391
Site 971, A:432
Site 972, A:459
Site 973, A:482
- structural geology
Site 963, A:63–64
Site 964, A:104–106
Site 965, A:136
Site 966, A:179–182
Site 967, A:234–235, 238–242
Site 968, A:304–310
Site 969, A:357–362
Site 972, A:458–459
Site 973, A:481–484
- structures
mud volcanism, B:669–670
sediments, B:612–617
within clasts, B:583–584
- stylolites, origin, B:587
- subduction
African Plate, A:5–6
geology, A:337
lineaments, B:705–706
Miocene, B:758–759, 775
moats, B:500–501
movement, A:5–6; B:770–776
mud volcanoes, B:641–642, 671
paleogeography, B:672–673
tectonics, B:763–764
uplifts, B:689–690
- subduction zones, crust, B:694, 705–706
- submarine sliding, tectonics, A:56
- submergence, seamounts, B:691
- subsidence
collisions, B:509–515, 719
deposition, A:130–132
mass flow deposits, B:479–480, 504
paleoenvironment, B:500
Pliocene–Quaternary succession, A:518–519
seamounts, B:689–690
tectonics, B:704
- subsidence, flexure-induced, seamounts, B:692
- sulfate
availability, B:254
gypsum, A:250, 311
pore water, A:186–187, 391–393, 485
vs. calcium, A:255; B:259
vs. depth, A:79, 114, 190, 255, 312, 366, 394–396, 486; B:367–368
vs. strontium, A:255
- sulfate/chlorine ratio, vs. depth, A:256, 396; B:572
- sulfate reduction
diagenesis, A:110
occurrence, A:445
organic matter, A:67
pore water, B:365–373, 450
stable isotopes, B:365–373
storage, B:253–257
vs. sedimentation rates, B:370

- See also* redox
- sulfides
 organic matter, A:67
 photograph, A:361
- sulfidization
 imbalance between sulfide production and iron addition, B:256–257
 sapropels, B:257
- sulfur
 bacteria, B:305–306
 bituminous limestone, A:190
 electron microscopy, B:346
 sapropels, B:229, 272–274
 sediment chemistry, B:249–259
 sediments, A:69–70, 80–81, 115–117, 137–138, 189, 193, 251, 256–257, 313, 315–316, 368–370, 396, 398, 439–440, 459–461, 485–488
 vs. depth, A:195, 371; B:200, 251–252, 305
See also carbon/sulfur ratio
- sulfur, acid-volatile sulfide, pore water, B:251–253
- sulfur, elemental, pore water, B:251–253
- sulfur, humic, sapropels, B:253
- sulfur, NaCl-extractable
 pore water, B:250–251
 vs. dithionite-extracted iron, B:253
 vs. NaCl-extracted calcium, B:252
 vs. water content, B:252
- sulfur, nonextractable organic, sapropels, B:253
- sulfur, organic polysulfide, pore water, B:251–253
- sulfur, pyritic, sapropels, B:253
- sulfur, reduced, storage, B:253–257
- sulfur, total, vs. organic carbon, B:254
- sulfur/calcium ratio, vs. depth, A:271
- sulfur/carbon ratio, pyrite, B:254–255
- sulfur compounds, organic matter, B:289
- sulfur isotopes
 carbonates, B:448–450
 gypsum, B:440–442
 sulfate reduction, B:365–373
 vs. accepted sulfur isotopes, B:373
 vs. depth, B:367–368
 vs. sulfate, B:370–371
 vs. sulfate oxygen isotopes, B:373
- sulfur logs, vs. depth, A:285–287
- sulfuric acid, sapropels, B:258
- Susuz Dag, carbonate platforms, B:741
- suture zones, tectonics, B:683
- syntaxial overgrowths, diagenesis, B:427
- Syria
 lineaments, B:705–706
 Miocene carbonates, B:432–433
 tectonics, B:682–683, 772
- Syrian Arc, tectonics, B:704, 759, 766
- Tauride Mountains
 conglomerate comparison, B:563
 tectonics, B:683, 766, 770
- Taurus Mountains, lineaments, B:750–751
- tectonic controls, sedimentation, B:563–564
- tectonic maps
 Cyprus, B:732
 Mediterranean Sea E, B:432, 724
- tectonic structures
 mass flow units, B:474
 within clasts, B:583–584
- tectonic tilt, structural data, A:361–362
- tectonic units, offshore geology, B:737
- tectonics
 diagenesis, B:429
 hiatuses, B:517–526, 684
 lithofacies, B:403–417, 718–720
 mass flow units, B:465–480
 Mediterranean Sea E, A:5–18
- models, B:765
- mud volcanoes, B:641–642, 665–680
- paleoenvironment, B:453–463
- Pliocene–Quaternary succession, A:157, 217–218, 516–517
- zones, B:751–753
See also extensional tectonics; neotectonics; vertical tectonics
- Teichichmus*
 lithofacies, B:408
 lithologic units, A:223
- Tekirova ophiolite, tectonics, B:769
- temperature
 alkenones, B:309–331
 isotopic stratigraphy, B:178–179
 mud volcanoes, B:639
 vs. age, B:316–319, 323–328
 vs. depth, A:148, 206, 272, 317–320, 328, 374, 408, 464; B:570
 vs. salinity, B:324, 330
 vs. time, A:206
- temperature, alkenone sea-surface
 vs. chain length, B:279–280
 vs. organic carbon, B:280
- temperature, in-situ data, sediments, A:321, 374, 464
- temperature, sea-surface
 organic matter, A:251–252; B:317–318
 sapropels, B:273
 vs. depth, A:120, 196, 260, 371
- temperature logs, lithology, A:263, 324, 399
- tension gashes, photograph, A:483
- sensors, normal faults, A:509
- ter-alcohols, sapropels, B:265
- ter-alkanes, sapropels, B:265
- Terra Member, limestone, B:431
- terraces, Pleistocene, B:733, 746
- terrigenous material
 accumulation rates, B:231, 234, 237, 240
 origin, B:586–587
 provenance, B:238, 241–242
 sediments, B:230, 232–233, 236, 239
- Tertiary
 paleoceanography, B:701–708, 713–716
See also Cretaceous/Tertiary boundary; Mesozoic–Tertiary evolution
- Tertiary, lower, collisions, A:513, 515
- Tertiary–Holocene succession, paleogeography, B:744
- Tethyan Ocean
 tectonics, A:5–6; B:682–684
See also Neotethys
- textures, sediments, B:612–617
- Theoperids, Site 971, B:141, 148, 152
- thermal conductivity
 sediments, A:73, 83, 118, 122, 139, 191–192, 197, 254, 261, 316–317, 319, 372–373, 397, 403, 444; bp:CD-ROM
 vs. depth, A:84, 123, 141, 198, 262, 320, 373, 403, 444
- thiolanes, biomarkers, B:356
- thiolanes, isoprenoid, sapropels, B:287, 289
- thiophenes, alkylated, sapropels, B:288–289
- thiophenes, biomarkers, B:356
- thiophenes, hopanoid, sapropels, B:287
- Tholoniid group, Site 971, B:140, 150
- thorium, vs. depth, A:271
- thorium logs
 gypsum, A:263
 vs. depth, A:144–147, 150–151, 200–202, 208–210, 264–271, 274–277, 282–284, 323–324, 404–408, 446–447, 491
- thrust faults
 emplacement, B:736, 759–760
- Miocene, B:690
- tectonics, A:56
- thrust sheets, tectonics, B:753
- thrust stacks, overthrusting, B:672
- Thvera Subchron, remanent magnetization, A:356–357
- tin, vs. depth, B:201
- titanium/aluminum ratio, vs. depth, B:210–212
- titanium oxide logs, vs. depth, A:285–287
- Tortonian
 plate tectonics, A:7
 salinity, B:477
- trace elements
 carbonates, B:448
 electron microscopy, B:344, 346
 sapropels, B:199–206
 sources in sapropel, B:203–204
 vs. depth, B:449
- trace fossils
 lithologic units, A:59–60, 161, 220–222
 photograph, A:66, 68–69
See also individual fossil
- Triassic, tectonics, B:704–705, 761
- Triassic, Upper
 Neotethys, B:725
 tectonic models, B:766
- Triassic–Jurassic succession, plate tectonics, B:769
- Tripoli Formation, paleoenvironment, B:492
- triterpenoids. *See* des-A-triterpenoids
- Troodos. *See* South Troodos Transform Fault Zone
- Troodos Margin N, fanglomerate, B:548–555
- Troodos ophiolite
 basement, B:734–736, 745, 769
 Cretaceous tectonics, B:704–705, 776
 fanglomerate, B:545–566, 743
 geology, A:291, 297; B:695–696, 713, 727
 lithofacies, B:474, 476–478
 Messinian gypsum, B:459–460, 686
 paleogeography, B:413–414
 plate boundary, B:731
 Pliocene channels, B:477–478
 sources, B:455
 subsidence, B:512
- tufa, geology, B:737–738
- Tunisia, tectonics, A:16
- turbidites
 composition, B:584
 geochemistry, B:208–211
 gravity flows, B:687
 lithologic units, A:222, 422, 453–454
 lithology, A:401
 Messinian, A:515–516; B:455
 mud breccia, B:600
 mud domes, A:524–525
 paleoenvironment, A:296–297
 paleogeography, B:672–673
 photograph, A:308, 456–457, 473
 Pliocene–Quaternary succession, A:217–218; B:311
See also calciturbidite
- Turkey
 crust fragmentation, B:695
 tectonics, A:6; B:682–683, 713, 718
- Turkey S
 Cretaceous–Paleogene succession, B:413–414
 crust, B:727
 Miocene carbonates, B:431–432
- Turkey SE, tectonics, B:749–750, 759–761
- Turkey SW
 offshore geology, B:737–738
 onshore geology, B:741
- Turonian
 carbonate compensation depth, B:499

stratigraphy, B:412–413
 tectonic models, B:769
See also Cenomanian–Turonian succession
 Turonian, intra, hiatuses, B:522
 Tyrrhenian Sea
 Messinian gypsum, B:459
 tectonics, A:16

unconformities
 biostratigraphy, A:302–303
 carbonates, B:494, 719, 743
 composite depths, A:242–246
 lithology, A:199; B:476
 nannofossil datums, B:93–95
 photograph, A:174; B:348
 Pliocene, A:516
 tectonics, B:673
See also disconformities; discontinuities;
 erosional surfaces; hiatuses

underthrusting, crust, B:694–695
 United Nations Rise diapiric area, mud breccia,
 B:603

uplifts
 cobblestone topography, A:88
 collisions, A:513, 515–520; B:716
 Eocene–Miocene succession, B:496, 498–499
 fanglomerate, B:545–566
 flexure, B:513
 lithofacies, B:551, 558–559
 plate boundary, B:731
 Pleistocene, B:733
 seamounts, B:689–690, 719–720
 sedimentation, B:563–564
 tectonics, B:704
 thrust stacks, B:672

uranium
 pelagic chalk, B:410
 vs. depth, A:271

uranium logs
 gypsum, A:263
 lithology, B:485
 vs. depth, A:144–147, 150–151, 200–202,
 208–210, 264–271, 274–277, 282–284,
 323–324, 404–408, 446–447, 491

vanadium, vs. depth, B:201
 vanadium/aluminum ratio, vs. depth, B:210, 212
 varves, laminated diatom ooze, B:358
 veinlets, overpressure, B:668–669
 veins

frequency with depth, A:183
 photograph, A:248
 photomicrograph, B:594
 vs. depth, A:244
See also microveins

velocity, vs. depth, A:402, 443
 velocity logs
 vs. depth, A:211–213, 267–270, 278–281,
 325–326, 447, 491
See also gamma ray–resistivity–sonic logs

venting, mud domes, A:11
 vertical tectonics, Pliocene–Quaternary, A:88
 Victor Hensen Seahill, structures, A:466–467
 vitrinite, reflectance, B:668

volcanic ash
 lithologic units, A:59, 129–130, 161, 222,
 294–295, 469–470
 occurrence and correlation, A:480
 photograph, A:62, 342, 456

volcanic glass
 lithologic units, A:220–222, 454
 vs. depth, A:96, 164, 228

volcaniclastics, tectonics, B:761

volcanism
 mud domes, A:10–14
 tectonics, B:771
 Vrica, sapropel age, B:187, 191–197

wackestone
 lithofacies, B:495
 Miocene, B:420–436
 photomicrograph, B:506, 508
 X-ray diffraction data, B:427–428

wackestone, algal, photograph, A:133
 Walvis Ridge, hydrocarbons, A:439

water content
 vs. depth, A:83, 122; B:633, 637–638
 vs. friction angle, B:660
 vs. NaCl-extracted sulfur, B:252

water exchange, water circulation, A:57
 water flow, zones, A:272, 328, 408

water masses, sapropels, A:23

wax esters, sapropels, B:264

well-log units, correlation with lithostratigraphy,
 A:141–142, 194–196, 258, 260–263,
 321, 323–324, 399; B:607–624

well-logging
 Site 965, A:141–142
 Site 966, A:192, 194–196
 Site 967, A:255, 258–263

Site 968, A:321–324
 Site 970, A:399; B:610–611
 Site 971, A:444–445; B:613–614, 618–619
 Site 973, A:489–491

well-logs
 acoustic properties, B:535–543
 lithofacies, B:490–491, 494–495, 497
 shore-based processing, A:149, 207, 273, 329,
 409, 448, 493; B:497

windborne input
 provenance, B:225
 provenance of major elements, B:213
 provenance of trace elements, B:202

X-ray diffraction data
 carbonates, B:427–428
 mass flow units, B:474
 mud volcanoes, B:582–583, 609, 628
 sediments, B:222–225

Xylophagou, lithofacies, B:555

Yerasa Fold and Thrust Belt, Miocene, B:690–691,
 743, 759

Zanclean
 chemostratigraphy and biostratigraphy, B:17,
 21
 distribution and abundance of planktonic
 foraminifers, B:16, 19
 paleoceanography, B:113–123
See also Messinian/Zanclean boundary

Zanclean/Piacenzian boundary, cyclostratigraphy,
 B:196

zeaxanthin, sapropels, B:298–302

zeolites, origin, B:587

zinc, vs. depth, B:201

zircon, provenance of major elements, B:213

zirconium, provenance of major elements, B:213

zirconium/aluminum ratio, vs. depth, B:210–212

zonation, calcareous nannofossils, B:84

Zoophycos
 chalk, B:410
 lithofacies, B:408
 lithologic units, A:60, 161, 220–223, 340–342
 photograph, A:66, 68, 169, 171–172, 238, 350
 sedimentary structures, B:471

Zyzi, Pleistocene fanglomerate, B:743

VOLUME 160 TAXONOMIC INDEX

Abathomphalus intermedius, Site 967, B:383
Abathomphalus mayaroensis, Site 967, B:392
Abathomphalus mayaroensis Zone, Site 967,
 A:231, 265; B:383–386, 389

abies, *Sphenolithus*
 Eratosthenes Seamount, B:85, 89, 97
 Mediterranean Sea E, B:115, 122
 Site 963, A:61
 Site 966, A:173–174
 Site 967, A:227–228; B:92, 184
 Site 968, A:302; B:93
 Site 969, A:348, 351; B:101, 103

Acanthodesmia group, Site 971, B:140, 144, 148
Acanthodesmia vinculata, Site 971, B:140, 148
Acarinina broedermanni, Site 967, A:231

Acarinina bullbrooki
 Mediterranean Sea E, B:378
 Site 966, A:176
 Site 967, A:231

Acarinina cf. *broedermanni*, Site 966, A:176

Acarinina cuneicamerata, Site 967, B:383
Acarinina mathewsae, Mediterranean Sea E,
 B:378
Acarinina mckannai, Mediterranean Sea E, B:383
Acarinina nitida, Mediterranean Sea E, B:378,
 383

Acarinina pentacamerata
 Mediterranean Sea E, B:378
 Site 966, A:176

Acarinina rotundimarginata, Site 967, A:231

Acarinina rugosoaculeata
 Mediterranean Sea E, B:378
 Site 966, A:176
 Site 967, A:231

Acarinina spinuloinflata, Site 967, B:383
acervuloides, *Planoglobulina*, Site 967, B:393
acervuloides, *Pseudotextularia*, Site 967, B:383
acostaensis, *Neoglobobadrina*
 Site 964, A:102
 Site 967, B:10

Site 969, B:14

Acropora sp., Cyprus, B:430
Acrosphaera spinosa group?, Site 971, B:138, 149

acrostoma, *Paragloborotalia*, Site 970, A:389

Actinastrea sp., Cyprus, B:430

aculeata aculeata, *Dictyocha*, Site 971, B:142,
 153

aculeus, *Ceratolithoides*, Site 967, A:229; B:397

acuminatum, *Eucyrtidium*, Site 971, B:141, 148,
 152

acuta, *Gublerina*, Site 967, B:383

acutus, *Ceratolithus*, Mediterranean Sea E, B:115,
 118, 122

aegyptiaca, *Globotruncana*, Site 967, A:231

aemiliana, *Globorotalia*, Site 964, B:156

Ahmullerella octoradiata, Eratosthenes
 Seamount, B:397

alata, *Proboscia*, Site 971, B:355, 357, 362

alternans, *Pleurostomella*, Site 967, B:13, 26

altiformis, *Gyroidinoides*, Site 969, A:354

- altispira altispira*, *Dentoglobigerina*, Site 970, A:389
alvarezii, *Globigerinelloides*, Mediterranean Sea E, B:383
Amaurolithus delicatus
 Eratosthenes Seamount, B:98, 495
 Site 965, A:134
 Site 966, A:173–174; B:89
 Site 967, A:227–228; B:92
 Site 968, A:302; B:93
 Site 969, A:348, 351; B:104
Amaurolithus primus
 Site 966, A:173–174
 Site 967, A:228
 Site 968, A:302
 Site 969, A:348
Amaurolithus spp., Mediterranean Sea E, B:118–119
Amaurolithus tricorniculatus
 Site 966, A:173–174; B:89
 Site 967, A:227–228; B:92
 Site 968, A:302; B:93
 Site 969, A:348, 351
Ammonia beccarii, Site 968, A:302, 325
Ammonia sp.
 Site 966, A:176
 Site 968, B:439, 441
Ammonia tepida
 Mediterranean Sea E, A:516
 Site 967, B:13, 28
 Site 968, A:302; B:4, 453
Amphistegina sp.
 Levant, B:432
 Site 966, A:176
 Turkey, B:432
Amphitholus metallason, Site 971, B:140, 150
ampliapertura, *Helicosphaera*, Site 963, A:61
ampliapertura, *Zeaglobigerina*, Mediterranean Sea E, B:378
anfracta, *Tenuitella*, Site 964, A:102
angiporooides, *Subbotina*, Mediterranean Sea E, B:378
angulata, *Morozovella*, Mediterranean Sea E, B:383
angulatus, *Globigerina*, Site 970, A:389
Anomalinooides helicinus
 Site 967, B:27
 Site 969, B:14
Anthocyrthidium group, Site 971, B:141, 144, 152
anthophorus, *Reinhardtites*, Eratosthenes Seamount, B:397
antillea, *Stilostomella*, Site 967, B:26
aprica, *Whiteinella*, Site 967, B:394
Arachnocorallium group, Site 971, B:141, 143–144, 151
Arachnocorys circumtexta, Site 971, B:141, 151
Arachnocorys group, Site 971, B:141, 151
aragonensis, *Morozovella*
 Mediterranean Sea E, B:378
 Site 967, A:231
arca, *Globotruncana*, Mediterranean Sea E, B:383, 391
Archaealveolina reicheli, Mediterranean Sea E, B:378, 384, 394
Archaeoglobigerina blowi, Site 967, B:392
Archaias spp., Levant, B:432
Arctica islandica, Site 964, B:163
Ariculina tubulosa, Site 969, A:354
ariminensis, *Planulina*, Site 967, B:27
Arkhangelskiella cymbiformis, Eratosthenes Seamount, A:229–230; B:397
Aspidiscus parvus, Site 967, B:383
Aspidolithus parvus, Site 967, A:229–230
asymetrica, *Dicarinella*, Site 967, B:380
asymmetricus, *Discoaster*
 Eratosthenes Seamount, B:94–95, 97, 496
 Site 964, A:101
 Site 965, A:134; B:85
 Site 966, A:170, 173, 177; B:89
 Site 967, A:227; B:92, 184
 Site 968, A:302; B:93
 Site 969, A:348; B:107–108
atlantica, *Neogloboquadrina*, Site 964, B:156, 159–160
Bachmayerella cf. *tenuis*, Mediterranean Sea E, B:134
Bachmayerella tenuis, Mediterranean Sea E, B:126–128, 130–134
bacillaris, *Thalassionema*, Site 971, A:435
baltica, *Hyalinea*
 Site 963, A:61–62
 Site 964, B:162
 Site 967, B:192–193, 197
 Site 969, B:192–193, 197
baltica, *Whiteinella*, Site 967, B:394
barbadiensis, *Discoaster*
 Eratosthenes Seamount, B:395, 397
 Site 963, A:61
 Site 966, A:175
 Site 967, A:228
barnesae, *Watznaueria*
 Eratosthenes Seamount, B:397
 Site 967, A:229
beccarii, *Ammonia*, Site 968, A:302, 325
Beella digitata, Site 964, A:102
berggreni, *Discoaster*, Eratosthenes Seamount, B:495
bergonii, *Rhizosolenia*, Site 971, B:355
bidens, *Chiasmolithus*, Eratosthenes Seamount, B:397
bigelowii, *Braarudosphaera*, Site 964, A:100
bijugatus, *Zygrhablithus*, Eratosthenes Seamount, B:396
bilobata, *Orbulina*
 Site 964, A:102
 Site 970, A:390
 Site 971, A:434–435
bimageae, *Paragloborotalia*, Site 964, A:102
bisecta, *Dictyococcites*
 Site 967, A:228
 Site 969, A:351
 Site 971, A:434
bisectus, *Dictyococcites*, Site 969, B:101
bisphericus, *Globigerinoides*
 Site 966, A:176
 Site 970, A:389
 Site 972, A:458
blowi, *Archaeoglobigerina*, Site 967, B:392
Bolboforma sp., Mediterranean Sea E, B:132
Bolboforma sp. E
 Site 964, A:101–102
 Site 965, A:135
 Site 966, A:176
 Site 969, A:355
bollii, *Globigerinelloides*, Mediterranean Sea E, B:383
bombus, *Lipmanella*, Site 971, B:141, 148
bononiensis, *Globorotalia*
 Site 964, A:101–102; B:156, 159–160, 162
 Site 965, A:134–135
 Site 966, A:176; B:130
 Site 967, A:230
 Site 968, A:302
 Site 969, A:353
 Site 971, A:434
Borelis spp., Levant, B:432
Botrystrobus group, Site 971, B:142, 152
Braarudosphaera bigelowii, Site 964, A:100
bradyi, *Karrieriella*, Site 967, B:13
bradyi, *Parrelloides*, Site 967, B:13, 19, 26
Brizalina punctata, Site 967, B:13
broedermanni, *Acarinina*, Site 967, A:231
broedermanni, *Acarinina* cf., Site 966, A:176
broedermanni, *Igorina*, Mediterranean Sea E, B:378
brouweri, *Discoaster*
 Eratosthenes Seamount, B:97
 Mediterranean Sea E, B:118–119
 Site 964, A:100–101, 103; B:158, 160, 163
 Site 965, A:133–134; B:85, 129
 Site 966, A:170, 174, 177
 Site 967, A:227, 231; B:90–92, 184, 192
 Site 968, A:302–303; B:92–93
 Site 969, A:348, 356; B:106–108, 192
 Site 970, A:386
 Site 971, A:432
 Site 972, A:456
 Site 973, A:478
bullbrookii, *Acarinina*
 Mediterranean Sea E, B:378
 Site 966, A:176
 Site 967, A:231
bulloides, *Globigerina*
 Mediterranean Sea E, B:120, 131
 Site 963, A:61; B:167–179
 Site 964, A:102; B:158–159, 167–179
 Site 967, B:10, 22
 Site 969, B:14, 22
 Site 970, A:390
 Site 971, A:434–435
 Site 972, A:458
 Site 973, A:478
bulloides, *Globotruncana*, Mediterranean Sea E, B:391
burdigalensis, *Miolepidocyclina*, Cyprus, B:430
calcar-avis, *Pseudosolenia*
 Site 967, B:338
 Site 969, B:338
 Site 971, B:355, 357–358
calcar-avis, *Rhizosolenia*, Site 971, A:435; B:362
Calcidiscus leptoporus
 Eratosthenes Seamount, B:85, 87–88
 Site 970, A:386
 Site 971, A:433–434
Calcidiscus leptoporus Zone, Site 965, A:134
Calcidiscus macintyreii
 Eratosthenes Seamount, B:97
 Site 963, A:61
 Site 964, A:100; B:158
 Site 965, A:133; B:85
 Site 966, A:170; B:88
 Site 967, B:90, 184
 Site 968, A:301–303; B:93
 Site 969, A:348, 351, 355–356; B:101, 106
 Site 970, A:386
 Site 971, A:432
 Site 972, A:455
 Site 973, A:477–478
Calcidiscus premacintyreii
 Site 970, A:387
 Site 971, A:432
Calcidiscus protoannulus, Eratosthenes Seamount, B:396
calida, *Globigerina*
 Site 970, A:390
 Site 971, A:434
calida ampliata, *Dictyocha*, Site 971, B:142, 153
callida, *Reticulofenestra*, Eratosthenes Seamount, B:397
Campylosphaera dela, Eratosthenes Seamount,

- B:397
canaliculata, *Dicarinella*, Mediterranean Sea E, B:379, 394
carinata, *Cassidulina*, Site 969, A:354
carinata, *Heterohelix*, Mediterranean Sea E, B:380, 383, 393
carniolensis, *Lithraphidites*
 Eratosthenes Seamount, B:397
 Site 967, A:229
Carpocanarium group, Site 971, B:142
Carpocanistrum group A, Site 971, B:141, 152
carseyae, *Planoglobulina*, Site 967, B:383
Cassidulina carinata, Site 969, A:354
cayeuxii, *Lucianorhabdus*, Site 967, A:229; B:397
celsus, *Sphenolithus*, Eratosthenes Seamount, B:397
Ceratocyrtis group, Site 971, B:141, 151
Ceratolithoides aculeus, Site 967, A:229; B:397
Ceratolithus acutus, Mediterranean Sea E, B:115, 118, 122
Ceratolithus delicatus, Eratosthenes Seamount, B:86
Ceratolithus rugosus, Mediterranean Sea E, B:108
Ceratolithus sp., Mediterranean Sea E, B:118
Ceratospyrus group A, Site 971, B:140, 144, 151
Ceratospyrus group B, Site 971, B:140, 151
Ceratospyrus group C, Site 971, B:140, 151
cerroazulensis, *Turborotalia*, Mediterranean Sea E, B:378
Chaetoceros spp.
 Site 969, B:339
 Site 971, A:435; B:356, 358
Chiasmolithus bidens, Eratosthenes Seamount, B:397
Chiasmolithus gigas, Eratosthenes Seamount, B:396
Chiasmolithus grandis
 Eratosthenes Seamount, B:395
 Site 966, A:175
 Site 967, A:228
Chiasmolithus oamaruensis, Eratosthenes Seamount, B:395, 397
Chiasmolithus solitus, Eratosthenes Seamount, B:395, 397
chierchiae, *Solenosphaera*, Site 971, B:138, 149
Chiloguembelina sp., Site 964, A:102
Cibicidoides italicus
 Site 967, B:27
 Site 969, B:14
Cibicidoides ornatus, Site 967, B:27
Cibicidoides pachyderma, Site 967, B:27
Cibicidoides ungerianus, Site 967, B:27
ciperoensis, "*Globigerina*", Site 970, A:389
ciperoensis, *Sphenolithus*, Site 971, A:434
circumtexta, *Arachnocorys*, Site 971, B:141, 151
Cladococcus group, Site 971, B:139
Clathrocorys teuscheri, Site 971, B:141, 151
clavigera, *Rhabdosphaera*
 Site 963, A:61
 Site 964, A:100
 Site 965, A:133; B:85
 Site 966, A:164; B:87–88
 Site 967, A:225
 Site 968, A:301
 Site 969, A:344
 Site 970, A:386
 Site 971, A:432
 Site 972, A:455
 Site 973, A:477
Coccolithus miopelagicus, Site 971, A:432
Coccolithus pelagicus
 Mediterranean Sea E, B:115, 119–120
 Site 963, A:61
 Site 964, A:100
 Site 965, A:133
 Site 966, A:164
 Site 967, A:225
 Site 968, A:301
 Site 969, A:344
 Site 970, A:386
 Site 971, A:432
 Site 972, A:455
 Site 973, A:477
 Site 966, A:164
 Site 967, A:225
 Site 968, A:301
 Site 969, A:344, 351; B:101
 Site 970, A:386
 Site 971, A:432
 Site 972, A:455
 Site 973, A:477
cocki, *Sphaeroidinellopsis*, Site 964, A:102–103
coenurum, *Cribrocentrum*, Eratosthenes Seamount, B:397
communis, *Martinottiella*, Site 967, B:13, 26
compacta, *Helicosphaera*, Eratosthenes Seamount, B:395, 397
concovata, *Dicarinella*, Site 967, B:380
conglobatus, *Globigerinoides*
 Site 963, A:61
 Site 964, A:102
 Site 970, A:390
 Site 971, A:434
 Site 972, A:458
 Site 973, A:478
conica, *Globotruncanita*, Site 967, B:383
conicotruncata, *Morozovella*, Mediterranean Sea E, B:378
Contusotruncana contusa/Racemiguembelina fructifera Zone, Mediterranean Sea E, B:383–386, 389
Contusotruncana fornicata, Mediterranean Sea E, B:379, 394
Contusotruncana patelliformis
 Mediterranean Sea E, B:383, 394
 Site 967, A:231
Contusotruncana plummerae, Mediterranean Sea E, B:383, 394
Cornutella profunda, Site 971, B:141, 152
Cornutella spp., Site 971, B:141, 144, 152
coronata, *Marginotruncana*, Site 967, B:380, 391
costulata, *Pseudoguembelina*, Mediterranean Sea E, B:383, 393
crassacrotoneensis, *Globorotalia*, Site 964, B:156
crassaformis, *Globorotalia*
 Site 964, A:102; B:156, 159
 Site 967, B:192–194
 Site 969, B:192–194
 Site 970, A:390
crassaformis hessi, *Globorotalia*, Site 964, A:102
crassaformis s.l., *Globorotalia*, Site 964, B:156
cretacea, *Prediscosphaera*
 Eratosthenes Seamount, B:397
 Site 967, A:229
Cribrocentrum coenurum, Eratosthenes Seamount, B:397
Cribrocentrum reticulatum, Eratosthenes Seamount, B:395–396
Cribrosphaerella ehrenbergii
 Eratosthenes Seamount, B:397
 Site 969, A:351; B:101
crotoneensis, *Globorotalia*, Site 964, B:156
cuneicamerata, *Acarinina*, Site 967, B:383
Cuneolina sp., Mediterranean Sea E, B:394
cuvillieri, *Gublerina*, Site 967, B:383
Cyclicargolithus floridanus
 Site 965, A:134
 Site 967, A:228
 Site 969, A:351; B:101
 Site 970, A:386–387
 Site 971, A:432, 434
Cylindroclavulina rudis, Site 967, B:27
cymbiformis, *Arkhangelskiella*, Eratosthenes Seamount, A:229–230; B:397
Cyprideis pannonica
 Site 967, B:13, 28, 457, 686
 Site 968, A:302; B:3–4, 453
 Site 969, A:355; B:18, 131
 Site 970, A:389
Cyprideis sp., Site 968, B:439, 441
daubjergensis, *Globoconusa*, Mediterranean Sea E, B:383
decoraperta, *Zeaglobigerina*
 Site 967, B:10
 Site 969, B:14
decoratissima carpatica, *Sigalia*, Mediterranean Sea E, B:379–380, 393
decoratus, *Microrhabdulus*
 Eratosthenes Seamount, B:397
 Site 967, A:229
decussata, *Micula*
 Eratosthenes Seamount, B:397
 Site 963, A:61
 Site 967, A:229
 Site 969, A:351; B:101
 Site 971, A:432
deflaensis rugocostata, *Sigalia*, Mediterranean Sea E, B:380
deflandrei, *Discoaster*, Site 967, A:228
dehiscens, *Globoquadrina*, Site 970, A:389
dehiscens, *Sphaeroidinella*
 Site 966, A:176
 Site 969, A:353
 Site 971, A:434
dela, *Campylosphaera*, Eratosthenes Seamount, B:397
delicata, *Dictyocha*, Site 971, B:142–143, 154
delicatus, *Amaurolithus*
 Eratosthenes Seamount, B:98, 496
 Site 965, A:134
 Site 966, A:173–174; B:89
 Site 967, A:227–228; B:92
 Site 968, A:302; B:93
 Site 969, A:348, 351; B:104
delicatus, *Ceratolithus*, Eratosthenes Seamount, B:86
delrioensis, *Hedbergella*, Mediterranean Sea E, B:394
dentata, *Laeviheterohelix*, Mediterranean Sea E, B:383
Dentoglobigerina altispira altispira, Site 970, A:389
Dentoglobigerina galavisi, Mediterranean Sea E, B:378
Dentoglobigerina langhiana, Site 970, A:389
Desmospyris group, Site 971, B:140, 151
diaffarovi, *Loxoconca*, Site 967, B:13, 28, 457
Dicarinella algeriana Zone, Site 967, B:385
Dicarinella asymetrica, Site 967, B:380
Dicarinella asymetrica Zone, Site 967, A:231; B:380, 384–386, 389
Dicarinella canaliculata, Mediterranean Sea E, B:379, 394
Dicarinella concavata, Site 967, B:380
Dicarinella concavata Zone, Mediterranean Sea E, B:379–380, 384–386, 389
Dicarinella primitiva, Site 967, B:394
Dicarinella primitiva Zone, Site 967, B:385
Dicarinella sp., Site 967, B:394
Dicarinella? sp., Site 967, B:394
dictyoceras, *Lipmanella*, Site 971, B:141, 152
Dictyocha aculeata aculeata, Site 971, B:142, 153
Dictyocha aculeata Zone, Site 971, B:142
Dictyocha calida ampliata, Site 971, B:142, 153
Dictyocha delicata, Site 971, B:142–143, 154
Dictyocha fibula, Site 971, B:143, 154
Dictyocha messanensis, Site 971, B:143, 153
Dictyocha messanensis aculeata Zone, Site 971, B:142
Dictyocha perlaevis perlaevis, Site 971, B:143, 154
Dictyocha stapedia aspinosa, Site 971, B:143, 154

Dictyocha stapedia stapedia, Site 971, B:143, 154
Dictyococcites bisecta
 Site 967, A:228
 Site 969, A:351
 Site 971, A:434
Dictyococcites bisectus, Site 969, B:101
Dictyococcites spp.
 Mediterranean Sea E, B:115
 Site 965, A:134
Dictyocoryne group, Site 971, B:139, 144,
 148–149
Dictyocoryne profunda, Site 971, B:139, 149
Dictyocoryne truncatum, Site 971, B:139,
 148–149
Didymocorytis spp., Site 971, B:139, 144, 149
digitata, *Beella*, Site 964, A:102
Discoaster asymmetricus
 Eratosthenes Seamount, B:94–95, 97, 496
 Site 964, A:101
 Site 965, A:134; B:85
 Site 966, A:170, 173, 177; B:89
 Site 967, A:227; B:92, 184
 Site 968, A:302; B:93
 Site 969, A:348; B:107–108
Discoaster asymmetricus Zone, Site 967, A:265
Discoaster barbadiensis
 Eratosthenes Seamount, B:395, 397
 Site 963, A:61
 Site 966, A:175
 Site 967, A:228
Discoaster berggreni, Eratosthenes Seamount,
 B:495
Discoaster brouweri
 Eratosthenes Seamount, B:97
 Mediterranean Sea E, B:118–119
 Site 964, A:100–101, 103; B:158, 160, 163
 Site 965, A:133–134; B:85, 129
 Site 966, A:170, 174, 177
 Site 967, A:227, 231; B:90–92, 184, 192
 Site 968, A:302–303; B:92–93
 Site 969, A:348, 356; B:106–108, 192
 Site 970, A:386
 Site 971, A:432
 Site 972, A:456
 Site 973, A:478
Discoaster deflandrei, Site 967, A:228
Discoaster intercalaris
 Eratosthenes Seamount, B:97
 Site 965, A:134
 Site 967, A:227; B:90–92
 Site 968, A:302; B:93
 Site 969, A:348
 Site 971, A:433
 Site 973, A:478
Discoaster lodoensis, Eratosthenes Seamount,
 B:396
Discoaster pentaradiatus
 Eratosthenes Sea, B:94–95, 97
 Mediterranean Sea E, B:118–120
 Site 964, A:100–101; B:157–158, 162
 Site 965, A:134–135; B:85, 129
 Site 966, A:170, 173–174; B:88–89
 Site 967, A:227–228, 233; B:90–92, 184
 Site 968, A:302–303; B:93
 Site 969, A:348, 356; B:101
 Site 971, A:432
 Site 973, A:478
Discoaster pentaradiatus paracme
 Eratosthenes Sea, B:94–95
 Site 969, B:104, 107
Discoaster pentaradiatus Zone, Eratosthenes Sea,
 B:94–95
Discoaster quinqueringus
 Eratosthenes Seamount, B:495

Mediterranean Sea E, B:115
Discoaster saipanensis
 Eratosthenes Seamount, B:395, 397
 Site 963, A:61
 Site 965, A:134
 Site 966, A:175
 Site 967, A:228
Discoaster spp.
 Mediterranean Sea E, B:118–119, 158
 Site 969, B:105
Discoaster surculus
 Eratosthenes Seamount, B:94–95, 97
 Mediterranean Sea E, B:118–119
 Site 964, A:100; B:158, 162
 Site 965, A:134; B:129
 Site 966, A:170, 173–174; B:89
 Site 967, A:227–228; B:91–92
 Site 968, A:302; B:93
 Site 969, A:348
 Site 971, A:433
 Site 973, A:478
Discoaster tamalis
 Eratosthenes Seamount, B:94–95, 97
 Mediterranean Sea E, B:101
 Site 964, A:100–101; B:157–158, 160, 163,
 219–220
 Site 965, A:134–135; B:85, 129
 Site 966, A:170; B:88–89
 Site 967, A:227, 233; B:92, 184
 Site 968, A:302; B:93
 Site 969, A:348, 356; B:104, 107, 110
 Site 971, A:432–433
 Site 973, A:478
Discoaster tamalis paracme, Site 969, B:107
Discoaster tamalis Zone, Site 969, B:107
Discoaster triradiatus
 Site 964, A:101; B:158
 Site 965, A:134; B:85
 Site 966, A:170; B:88
 Site 967, A:227; B:90–91, 192–193
 Site 968, A:302; B:92–93
 Site 969, A:348; B:106–108, 192–193
 Site 970, A:386
Discoaster variabilis
 Eratosthenes Seamount, B:86, 94–95, 97
 Mediterranean Sea E, B:118–119
 Site 966, A:173–174; B:89
 Site 967, A:227–228
 Site 971, A:432
distentus, *Sphenolithus*, Site 971, A:434
Distephanus octogonus, Site 971, B:143, 154
druryi, *Zeaglobigerina*, Site 964, A:102
dupeublei, *Globotruncana*, Site 967, B:392
dutertrei, *Neogloboquadrina*, Site 964, A:102;
 B:160
eggeri, *Ventilabrella*, Mediterranean Sea E, B:380,
 383
ehrenbergii, *Cribrosphaerella*
 Eratosthenes Seamount, B:397
 Site 969, A:351; B:101
Eiffelithus eximius, Eratosthenes Seamount, B:397
Eiffelithus sp., Site 971, A:432
Eiffelithus turrisseiffelii, Site 963, A:61
elegans, *Pseudotextularia*, Mediterranean Sea E,
 B:383, 393
elongatus, *Globigerinoides*
 Site 964, A:102
 Site 970, A:390
 Site 971, A:434–435
Elphidium spp.
 Levant, B:432
 Site 967, B:13
 Site 973, A:478

Emiliania huxleyi
 Eratosthenes Seamount, B:84–85, 87, 89, 92,
 97
 Mediterranean Sea E, B:71
 Site 963, A:61–62; B:109
 Site 964, A:100–101, 103; B:158, 160, 276
 Site 965, A:132–133, 135
 Site 966, A:164, 170, 174
 Site 967, A:225, 228; B:89, 184
 Site 969, B:107, 266
 Site 970, A:386
 Site 971, A:432, 434
 Site 972, A:454
 Site 973, A:477
Eprolithus floralis, Site 967, A:230; B:397
Ericsonia formosa
 Eratosthenes Seamount, B:395, 397
 Site 963, A:61
 Site 965, A:134
 Site 966, A:175
 Site 967, A:228
 Site 970, A:387
 Site 971, A:432, 434
esnehensis, *Globotruncana*, Site 967, B:383
Ethomodiscus spp., Site 971, B:355, 357, 362
Eucecryphalus group, Site 971, B:141, 144, 148,
 152
Eucyrtidium acuminatum, Site 971, B:141, 148,
 152
Eucyrtidium punctatum group, Site 971, B:141,
 152
Eucyrtidium spp., Site 971, B:141, 148, 152
eugubina, *Parvularugoglobigerina*, Mediterranean
 Sea E, B:383
Eulepidina spp., Cyprus, B:430
excolata, *Pseudoguembelina*, Site 967, B:383, 393
eximius, *Eiffelithus*, Eratosthenes Seamount,
 B:397
extremus, *Globigerinoides*
 Site 963, A:61
 Site 966, A:176
 Site 967, A:230
 Site 968, A:302
 Site 972, A:458
falconensis, *Globigerina*
 Site 964, A:102
 Site 967, B:10
 Site 969, B:14
 Site 970, A:390
 Site 971, A:434–435
falsostuarti, *Globotruncana*, Site 967, B:383
Favia sp., Cyprus, B:430
Favites sp.
 Cyprus, B:430
 Turkey, B:432
Favusella washitensis, Mediterranean Sea E,
 B:378–379, 394
fibula, *Dictyocha*, Site 971, B:143, 154
flandrini, *Hedbergella*, Mediterranean Sea E,
 B:379, 394
floralis, *Eprolithus*, Site 967, A:230; B:397
floridanus, *Cyclicargolithus*
 Site 965, A:134
 Site 967, A:228
 Site 969, A:351; B:101
 Site 970, A:386–387
 Site 971, A:432, 434
Florispheera profunda, Mediterranean Sea E,
 B:118–120, 123
forma A, *Incertae sedis*, Mediterranean Sea E,
 B:126–128, 130–134
formosa, *Ericsonia*
 Eratosthenes Seamount, B:395, 397

- Site 963, A:61
 Site 965, A:134
 Site 966, A:175
 Site 967, A:228
 Site 970, A:387
 Site 971, A:432, 434
fornicata, *Contusotruncana*, Mediterranean Sea E, B:379, 394
fornicata, *Globotruncana*, Site 967, A:231
fossilis, *Scapholithus*, Eratosthenes Seamount, B:85, 87–88
frauenfeldii, *Thalassionema*, Site 971, A:435; B:355, 358
fruticosa, *Racemiguembelina*, Site 967, A:231
fulgens, *Nannotetrina*, Eratosthenes Seamount, B:396
furcatus, *Marthasterites*, Eratosthenes Seamount, B:397

galavisi, *Dentoglobigerina*, Mediterranean Sea E, B:378
gammation, *Toweius*, Eratosthenes Seamount, B:396–397
gansseri, *Globotruncana*, Site 967, A:231
Gansserina gansseri Zone, Mediterranean Sea E, B:383–386, 389
Gansserina wiedenmayeri, Site 967, B:383
Gephyrocapsa oceanica, Eratosthenes Seamount, B:84, 97
Gephyrocapsa oceanica s.l.
 Mediterranean Sea E, B:101
 Site 963, A:61–62
 Site 964, A:100–101
 Site 965, A:132–133; B:85
 Site 966, A:164, 170; B:87–88
 Site 967, A:225, 227–228, 231; B:90
 Site 968, A:300–303; B:93
 Site 969, A:344, 348, 356
 Site 970, A:386
 Site 971, A:432–434
 Site 972, A:455–456
 Site 973, A:477–478
Gephyrocapsa sp.
 Eratosthenes Seamount, B:84
 Site 963, B:102, 109
 Site 964, A:100; B:158, 160, 162–163, 276
 Site 965, A:132–133, 135
 Site 966, A:164, 170, 177
 Site 967, A:225–228, 231; B:184–185, 187, 191–192, 195–196
 Site 968, A:300–303; B:93
 Site 969, A:348; B:104, 106
 Site 970, A:386–387
 Site 971, A:432–434, 445
 Site 972, A:455–456, 458
 Site 973, A:477–479
Gephyrocapsa sp. 3
 Eratosthenes Seamount, B:85, 97
 Site 963, A:61; B:109
 Site 964, A:100, 104; B:158, 160
 Site 965, A:133, 135
 Site 966, A:170, 177; B:88
 Site 967, A:226–228, 231; B:89–90, 184
 Site 968, A:301
 Site 969, A:348, 357; B:107–108
 Site 970, A:386–387
 Site 972, A:455, 458
 Site 973, A:477–479
gibba, *Praeglobotruncana*, Site 967, B:394
gigas, *Chiasmolithus*, Eratosthenes Seamount, B:396
Globanomalina planocompressa, Mediterranean Sea E, B:383
Globanomalina pseudoscutula, Mediterranean Sea E, B:378
“*Globigerina*” *angulisuturalis*, Site 970, A:389
Globigerina bulloides
 Mediterranean Sea E, B:120, 131
 Site 963, A:61; B:167–179
 Site 964, A:102; B:158–159, 167–179
 Site 967, B:10, 22
 Site 969, B:14, 22
 Site 970, A:390
 Site 971, A:434–435
 Site 972, A:458
 Site 973, A:478
Globigerina calida
 Site 970, A:390
 Site 971, A:434
Globigerina cariacensis Zone
 Mediterranean Sea E, B:131–132
 Site 964, A:101–102; B:156–157, 160
 Site 965, A:134; B:129–130
 Site 966, A:176; B:130
 Site 967, A:230; B:130
 Site 968, A:302
 Site 969, A:353; B:131
 Site 970, A:389
 Site 971, A:434
 Site 972, A:456
 Site 973, A:478
“*Globigerina*” *ciperoensis*, Site 970, A:389
Globigerina falconensis
 Site 964, A:102
 Site 967, B:10
 Site 969, B:14
 Site 970, A:390
 Site 971, A:434–435
Globigerina linaperta, Site 966, A:176
Globigerina sp.
 Eratosthenes Seamount, B:430
 Site 970, B:598
Globigerinatheka cf. *index*, Site 966, A:176
Globigerinatheka index, Site 967, A:231
Globigerinatheka subconglobata
 Site 966, A:176
 Site 967, A:231
Globigerinella obesa
 Site 964, A:102
 Site 969, B:14
Globigerinella siphonifera
 Site 969, B:14
 Site 970, A:390
 Site 971, A:434
Globigerinelloides alvarezii, Mediterranean Sea E, B:383
Globigerinelloides bollii, Mediterranean Sea E, B:383
Globigerinelloides messinae, Mediterranean Sea E, B:380
Globigerinelloides prairiehillensis
 Mediterranean Sea E, B:379, 383, 393
 Site 967, A:231; B:380
Globigerinelloides ultramicrus, Mediterranean Sea E, B:379–380
Globigerinita glutinata
 Mediterranean Sea E, B:131
 Site 963, A:61
 Site 964, A:102; B:160
 Site 967, B:10
 Site 969, B:14
 Site 970, A:389–390
 Site 971, A:434–435
 Site 972, A:458
 Site 973, A:478
Globigerinita juvenilis
 Mediterranean Sea E, B:131
 Site 963, A:61
 Site 964, A:102
 Site 967, B:10
 Site 969, B:14
 Site 970, A:390
 Site 971, A:434–435; B:361
 Site 972, A:458
 Site 973, A:478
Globigerinoides bisphericus
 Site 966, A:176
 Site 970, A:389
 Site 972, A:458
Globigerinoides conglobatus
 Site 963, A:61
 Site 964, A:102
 Site 970, A:390
 Site 971, A:434
 Site 972, A:458
 Site 973, A:478
Globigerinoides elongatus
 Site 964, A:102
 Site 970, A:390
 Site 971, A:434–435
Globigerinoides extremus
 Site 963, A:61
 Site 966, A:176
 Site 967, A:230
 Site 968, A:302
 Site 972, A:458
Globigerinoides gomitulus
 Site 963, A:61
 Site 964, A:102
 Site 970, A:390
 Site 971, A:434
 Site 972, A:458
 Site 973, A:478
Globigerinoides obliquus
 Mediterranean Sea E, B:128, 132
 Site 964, A:101–102; B:156, 158
 Site 965, A:134
 Site 967, B:10, 13
 Site 968, A:302
 Site 969, B:14–15, 21
 Site 970, A:389–390
 Site 971, A:434
 Site 972, A:458
 Site 973, A:479
Globigerinoides obliquus s.l., Site 964, B:156
Globigerinoides pyramidalis
 Site 963, A:61
 Site 964, A:102
 Site 970, A:390
 Site 971, A:434–435
 Site 972, A:458
 Site 973, A:478
Globigerinoides quadrilobatus
 Site 964, A:102; B:156, 158
 Site 967, B:10, 13
 Site 969, B:14
Globigerinoides ruber
 Mediterranean Sea E, B:131
 Site 963, A:61
 Site 964, A:102; B:158, 160
 Site 967, B:10, 183
 Site 970, A:390
 Site 971, A:434–435; B:361
 Site 972, A:458
 Site 973, A:478
Globigerinoides sacculifer
 Site 963, A:61
 Site 964, A:102
 Site 967, B:10

- Site 969, B:14
Site 972, A:458
Site 973, A:478
Globigerinoides spp., Mediterranean Sea E, B:17,
22, 157, 159–163
Globigerinoides subsacculifer, Site 964, A:102
Globigerinoides trilobus
Site 964, A:102
Site 967, B:10
Site 969, B:14
Globocassidulina oblonga, Site 969, A:354
Globocassidulina subglobosa
Site 967, B:13
Site 969, B:14
Globoconusa daubjergensis, Mediterranean Sea E,
B:383
Globoquadrina dehiscens, Site 970, A:389
Globorotalia aemiliana, Site 964, B:156
Globorotalia bononiensis
Site 964, A:101–102; B:156, 159–160, 162
Site 965, A:134–135
Site 966, A:176; B:130
Site 967, A:230
Site 968, A:302
Site 969, A:353
Site 971, A:434
Globorotalia crassacrottonensis, Site 964, B:156
Globorotalia crassaformis
Site 964, A:102; B:159
Site 967, B:192–194
Site 969, B:192–194
Site 970, A:390
Globorotalia crassaformis hessi, Site 964, A:102
Globorotalia crassaformis s.l., Site 964, B:156
Globorotalia crottonensis, Site 964, B:156
Globorotalia inflata
Mediterranean Sea E, B:131
Site 963, A:61
Site 964, A:101–103; B:156, 159–160
Site 966, A:176–177
Site 967, A:230–231
Site 968, A:302–303; B:93
Site 969, A:353, 356
Site 970, A:390
Site 971, A:434
Site 972, A:458
Site 973, A:478
Globorotalia margaritae
Eratosthenes Seamount, B:495
Site 964, A:102
Site 965, A:134
Site 966, A:176–177; B:467
Site 967, A:231; B:10
Site 968, A:302
Site 969, A:353, 356; B:14
Site 972, A:458
Site 973, A:479
Globorotalia menardii, Site 967, B:10, 19, 26
Globorotalia puncticulata
Mediterranean Sea E, B:101
Site 964, A:101–103; B:161–162
Site 965, A:134–135
Site 966, A:176–177
Site 967, A:230–231; B:130
Site 968, A:302–303, 325
Site 969, A:353, 356; B:104
Site 970, A:389
Site 972, A:458
Site 973, A:479
Globorotalia scitula
Mediterranean Sea E, B:131
Site 963, A:61
Site 964, A:102; B:157, 160
Site 967, B:10
Site 970, A:390
Site 971, A:434–435
Site 972, A:458
Site 973, A:478
Globorotalia truncatulinoidea
Site 964, B:160
Site 967, B:192–193
Site 969, B:192–193
Globorotalia truncatulinoidea excelsa, Site 964,
B:162–163
Globorotalia viola, Site 964, B:156
Globotruncana aegyptiaca, Site 967, A:231
Globotruncana aegyptiaca Zone, Site 967, A:231;
B:383, 385–386, 389
Globotruncana arca, Mediterranean Sea E, B:383,
391
Globotruncana bulloides, Mediterranean Sea E,
B:391
Globotruncana dupeblei, Site 967, B:392
Globotruncana esnehensis, Site 967, B:383
Globotruncana falsostuarti, Site 967, B:383
Globotruncana fornicata, Site 967, A:231
Globotruncana gasseri, Site 967, A:231
Globotruncana lapparenti, Site 967, A:231
Globotruncana linneiana
Mediterranean Sea E, B:383
Site 967, A:231
Globotruncana mariei, Mediterranean Sea E,
B:383
Globotruncana orientalis, Mediterranean Sea E,
B:383, 391
Globotruncana rosetta, Mediterranean Sea E,
B:383, 391
Globotruncana ventricosa, Site 967, A:231;
B:380, 383, 391
Globotruncana ventricosa Zone, Site 967, A:231;
B:383, 385–386, 389
Globotruncanella havanensis, Mediterranean Sea
E, B:383
Globotruncanella havanensis Zone,
Mediterranean Sea E, B:383–386, 389
Globotruncanella minuta, Site 967, B:383
Globotruncanella pschadae, Mediterranean Sea E,
B:383
Globotruncanita calcarata Zone, Site 967, A:231
Globotruncanita conica, Site 967, B:383
Globotruncanita elevata Zone, Site 967, B:380,
383–386, 389
Globotruncanita pettersi, Site 967, B:383
Globotruncanita stuarti, Site 967, A:231; B:383
Globotruncanita stuartiformis, Site 967, A:231;
B:383, 392
globulosa, *Heterohelix*
Mediterranean Sea E, B:379–380
Site 967, A:231
glomerosa, *Praeorbulina*
Site 964, A:102
Site 966, A:176
Site 970, A:389
glutinata, *Globigerinita*
Mediterranean Sea E, B:131
Site 963, A:61
Site 964, A:102; B:160
Site 967, B:10
Site 969, B:14
Site 970, A:389–390
Site 971, A:434–435
Site 972, A:458
Site 973, A:478
gomitulus, *Globigerinoides*
Site 963, A:61
Site 964, A:102
Site 970, A:390
Site 971, A:434
Site 972, A:458
Site 973, A:478
gothicum, *Quadrum*
Eratosthenes Seamount, B:397
Site 967, A:229
gracilis, *Morozovella*, Mediterranean Sea E,
B:378, 383
grandis, *Chiasmolithus*
Eratosthenes Seamount, B:395
Site 966, A:175
Site 967, A:228
griffinae, *Turborotalia*, Mediterranean Sea E,
B:378
griffinae, *Turborotalia* cf., Site 966, A:176
Gublerina acuta, Site 967, B:383
Gublerina cuvillieri, Site 967, B:383
Gyroidina soldanii, Site 969, A:354
Gyroidinoides altiformis, Site 969, A:354
Gyroidinoides laevigatus
Site 967, B:13, 26
Site 969, B:14
hantkeninoides, *Plummerita*, Site 967, B:383
Hastigerina parapelagica
Site 970, A:390
Site 971, A:434
Hastigerinopsis riedeli
Site 970, A:390
Site 971, A:434
Site 972, A:458
Site 973, A:478
havanensis, *Globotruncanella*, Mediterranean Sea
E, B:383
Hedbergella delrioensis, Mediterranean Sea E,
B:394
Hedbergella flandrini, Mediterranean Sea E,
B:379, 394
Hedbergella holmdelensis, Mediterranean Sea E,
B:380
helicinus, *Anomalinoidea*
Site 967, B:27
Site 969, B:14
Helicosphaera ampliaperta, Site 963, A:61
Helicosphaera compacta, Eratosthenes Seamount,
B:395, 397
Helicosphaera intermedia, Mediterranean Sea E,
B:118, 123
Helicosphaera kamptneri
Site 963, A:61
Site 964, A:100–101
Site 965, A:133; B:85
Site 966, A:164, 170; B:87–88
Site 967, A:225, 227
Site 968, A:300–301
Site 969, A:344
Site 970, A:386
Site 971, A:432
Site 972, A:455–456
Site 973, A:477
Helicosphaera sellii
Eratosthenes Seamount, B:495
Site 963, A:61
Site 964, A:100; B:158
Site 965, A:133
Site 966, A:170, 173
Site 967, A:227; B:192
Site 968, A:301–302
Site 969, A:348; B:104, 108, 192
Site 970, A:386
Site 973, A:477–478
Helicosphaera stalis, Site 970, A:387
Helicosphaera walberdorfensis
Site 970, A:387
Site 971, A:432

- Helicosphaera wilcoxii*, Eratosthenes Seamount, B:397
- helvetica*, *Helvetoglobotruncana*, Mediterranean Sea E, B:379
- Helvetoglobotruncana helvetica*, Mediterranean Sea E, B:379
- Helvetoglobotruncana helvetica* Zone, Mediterranean Sea E, B:378–380, 384–386, 389, 683
- Hemiaulus* spp., Site 971, B:355, 357, 362–363
- Heterohelix carinata*, Mediterranean Sea E, B:380, 383, 393
- Heterohelix globulosa*
Mediterranean Sea E, B:379–380
Site 967, A:231
- Heterohelix labellosa*, Mediterranean Sea E, B:383
- Heterohelix planata*, Mediterranean Sea E, B:383
- Heterohelix punctulata*, Mediterranean Sea E, B:383, 393
- Heterohelix rajagopalani*, Mediterranean Sea E, B:383
- Heterohelix reussi*
Mediterranean Sea E, B:379
Site 967, A:231
- Heterohelix* spp., Mediterranean Sea E, B:379
- Heterohelix striata*
Mediterranean Sea E, B:380
Site 967, A:231
- heteromorphus*, *Sphenolithus*
Site 963, A:61
Site 970, A:387
Site 971, A:434
- Heterostegina* spp.
Eratosthenes Seamount, B:493
Levant, B:432
- hexacamerata*, *Rugoglobigerina*
Mediterranean Sea E, B:383
Site 967, A:231
- Hexacantium* group, Site 971, B:139, 144, 148–149
- hexagonalis*, *Lithostrobos*, Site 971, B:141, 152
- holmdelensis*, *Hedbergella*, Mediterranean Sea E, B:380
- huxleyi*, *Emiliana*
Eratosthenes Seamount, B:84–85, 87, 89, 92, 97
Mediterranean Sea E, B:71
Site 963, A:61–62; B:109
Site 964, A:100–101, 103; B:158, 160, 276
Site 965, A:132–133, 135
Site 966, A:164, 170, 174
Site 967, A:225, 228; B:89, 184
Site 969, B:107, 266
Site 970, A:386
Site 971, A:432, 434
Site 972, A:454
Site 973, A:477
- Hyalinea baltica*
Site 963, A:61–62
Site 964, B:162
Site 967, B:192–193, 197
Site 969, B:192–193, 197
- Hymeniastrum* group, Site 971, B:139, 149
- Hymeniastrum regulare*, Site 971, B:139, 149
- Hymeniastrum virchowii*, Site 971, B:139, 149
- Igorina broedermanni*, Mediterranean Sea E, B:378
- imbricata*, *Rhizosolenia*, Site 971, B:355
- Incertae sedis, forma A*, Mediterranean Sea E, B:126–128, 130–134
- index*, *Globigerinatheka*, Site 967, A:231
- index*, *Globigerinatheka* cf., Site 966, A:176
- inermis*, *Thecosphaera*, Site 971, B:139, 149
- inflata*, *Globorotalia*
Mediterranean Sea E, B:131
Site 963, A:61
Site 964, A:101–103; B:156, 159–160
Site 966, A:176–177
Site 967, A:230–231
Site 968, A:302–303; B:93
Site 969, A:353, 356
Site 970, A:390
Site 971, A:434
Site 972, A:458
Site 973, A:478
- intercalaris*, *Discoaster*
Eratosthenes Seamount, B:97
Site 965, A:134
Site 967, A:227; B:90–92
Site 968, A:302; B:93
Site 969, A:348
Site 971, A:433
Site 973, A:478
- intermedia*, *Helicosphaera*, Mediterranean Sea E, B:118, 123
- intermedia*, *Pseudotextularia*, Mediterranean Sea E, B:383
- intermedius*, *Abathomphalus*, Site 967, B:383
- ionica*, *Islandiella*
Site 967, B:193
Site 969, B:193
- islandica*, *Arctica*, Site 964, B:163
- Islandiella ionica*
Site 967, B:193
Site 969, B:193
- Istriloculina* spp., Mediterranean Sea E, B:378
- italicus*, *Cibicidoides*
Site 967, B:27
Site 969, B:14
- japonica*, *Pontosphaera*
Site 963, A:61
Site 964, A:100
Site 965, A:133
Site 966, A:164
Site 967, A:225
Site 968, A:301
Site 969, A:344
Site 970, A:386
Site 971, A:432
Site 972, A:455
Site 973, A:477
- juvenilis*, *Globigerinita*
Mediterranean Sea E, B:131
Site 963, A:61
Site 964, A:102
Site 967, B:10
Site 969, B:14
Site 970, A:390
Site 971, A:434–435
Site 972, A:458
Site 973, A:478
- kamptneri*, *Helicosphaera*
Site 963, A:61
Site 964, A:100–101
Site 965, A:133; B:85
Site 966, A:164, 170; B:87–88
Site 967, A:225–227
Site 968, A:300–301
Site 969, A:344
Site 970, A:386
Site 971, A:432
Site 972, A:455–456
Site 973, A:477
- Kamptnerius magnificus*, Eratosthenes Seamount, B:397
- Karrieriella bradyi*, Site 967, B:13
- kochi*, *Sphaeroidinellopsis*, Site 967, B:10
- kugleri*, *Paragloborotalia*, Site 970, A:389
- Kulgerina rotundata*, Site 967, B:383
- labellosa*, *Heterohelix*, Mediterranean Sea E, B:383
- lacunosa*, *Pseudoemiliana*
Eratosthenes Seamount, B:85, 97
Mediterranean Sea E, B:71
Site 963, A:61–62; B:102, 109, 178
Site 964, A:100, 103; B:158, 160, 178
Site 965, A:133, 135
Site 966, A:170; B:88
Site 967, A:226–227, 231; B:89, 184
Site 968, A:301–303; B:93
Site 969, A:348, 352–353; B:104, 107–108
Site 970, A:386–387
Site 971, A:432
Site 972, A:455, 458
Site 973, A:477
- laevigatus*, *Gyroidinoides*
Site 967, B:13, 26
Site 969, B:14
- Laeviheterohelix dentata*, Mediterranean Sea E, B:383
- langhiana*, *Dentoglobigerina*, Site 970, A:389
- lapparenti*, *Globotruncana*, Site 967, A:231
- Larcospira* group, Site 971, B:140, 144
- lehmeri*, *Morozovella*, Mediterranean Sea E, B:378
- Lepidocyclina* spp.
Cyprus, B:430
Site 966, A:176
- leptoporus*, *Calcidiscus*
Eratosthenes Seamount, B:85, 87–88
Site 970, A:386
Site 971, A:433–434
- levis*, *Reinhardtites*, Eratosthenes Seamount, B:397
- Limacina retroversa*
Site 964, A:101
Site 966, A:176
Site 970, A:389
- linaperta*, *Globigerina*, Site 966, A:176
- linneiana*, *Globotruncana*
Mediterranean Sea E, B:383
Site 967, A:231
- Lipmanella bombus*, Site 971, B:141, 148
- Lipmanella dictyoceras*, Site 971, B:141, 152
- Litharachnium* group, Site 971, B:141, 144, 152
- Lithophyllum* spp.
Cyprus, B:431
Levant, B:432
Site 965, B:421
- Lithoporella* spp., Levant, B:432
- Lithostrobos hexagonalis*, Site 971, B:141, 152
- Lithothamnium* spp.
Site 965, A:135
Site 966, A:176
- Lithraphidites carniolensis*
Eratosthenes Seamount, B:397
Site 967, A:229
- Lithraphidites quadratus*
Eratosthenes Seamount, B:397
Site 967, A:229
- lodoensis*, *Discoaster*, Eratosthenes Seamount, B:396
- longissima*, *Thalassiothrix*, Site 971, A:435; B:358
- Lophophaena* group, Site 971, B:141, 151
- Loxoconca diaffarovi*, Site 967, B:13, 28, 457
- Lucianorhabdus cayeuxii*, Site 967, A:229; B:397
- lybiaensis*, *Truncorotaloides*, Site 967, A:231

macintyre, Calcidiscus

- Eratosthenes Seamount, B:97
 Site 963, A:61
 Site 964, A:100; B:158
 Site 965, A:133; B:85
 Site 966, A:170; B:88
 Site 967, B:90, 184
 Site 968, A:301–303; B:93
 Site 969, A:348, 351, 355–356; B:101, 106
 Site 970, A:386
 Site 971, A:432
 Site 972, A:455
 Site 973, A:477–478
- macrocephala, Rugoglobigerina*, Mediterranean Sea E, B:383, 392
- magnificus, Kamptnerius*, Eratosthenes Seamount, B:397
- margaritae, Globorotalia*
 Eratosthenes Seamount, B:495
 Site 964, A:102
 Site 965, A:134
 Site 966, A:176–177; B:467
 Site 967, A:231; B:10
 Site 968, A:302
 Site 969, A:353, 356; B:14
 Site 972, A:458
 Site 973, A:479
- Marginotruncana cf. sigali*, Site 967, A:231
Marginotruncana coronata, Site 967, B:380, 391
Marginotruncana pseudolinneiana, Site 967, A:231; B:380, 383, 391
Marginotruncana sigali, Site 967, B:394
Marginotruncana sigali Zone, Mediterranean Sea E, B:379, 384–386, 683
Marginotruncana sinuosa, Site 967, B:380, 391
Marginotruncana sp. aff. *Marginotruncana marianosi*, Site 967, B:394
marianosi, Marginotruncana sp. aff. *Marginotruncana*, Site 967, B:394
mariei, Globotruncana, Mediterranean Sea E, B:383
marmorea, Valvulinaria, Site 967, B:13
Marthasterites furcatus, Eratosthenes Seamount, B:397
Martinottiella communis, Site 967, B:13, 26
Martinottiella perparva, Site 967, B:13, 26
matthewsae, Acarinina, Mediterranean Sea E, B:378
mayaroensis, Abathomphalus, Site 967, B:392
mckannai, Acarinina, Mediterranean Sea E, B:383
mediterraneensis, Planorbulina, Site 973, A:478
menardii, Globorotalia, Site 967, B:10, 19, 26
Mesophyllum spp.
 Cyprus, B:431
 Levant, B:433
 Site 965, B:421
messanensis, Dictyochoa, Site 971, B:143, 153
messiniae, Globigerinelloides, Mediterranean Sea E, B:380
metallason, Amphitholus, Site 971, B:140, 150
Microrhabdulus decoratus
 Eratosthenes Seamount, B:397
 Site 967, A:229
Micula decussata
 Eratosthenes Seamount, B:397
 Site 963, A:61
 Site 967, A:229
 Site 969, A:351; B:101
 Site 971, A:432
Micula murus, Site 967, A:229
minuta, Globotruncanella, Site 967, B:383
Miogyopsina sp.
 Cyprus, B:430
 Site 966, A:176
- Turkey, B:432
Miogyopsinoides sp., Cyprus, B:430
Mioplepidocyclus burdigalensis, Cyprus, B:430
miopelagicus, Coccolithus, Site 971, A:432
mirabilis, Uvigerina, Site 966, B:87–88
Montastrea spp., Turkey, B:432
moriformis, Sphenolithus, Mediterranean Sea E, B:115, 122
Morozovella angulata, Mediterranean Sea E, B:383
Morozovella aragonensis
 Mediterranean Sea E, B:378
 Site 967, A:231
Morozovella conicotruncata, Mediterranean Sea E, B:378
Morozovella gracilis, Mediterranean Sea E, B:378, 383
Morozovella lehneri, Mediterranean Sea E, B:378
Morozovella oclusa, Mediterranean Sea E, B:383
Morozovella quetra, Mediterranean Sea E, B:383
Morozovella subbotinae, Mediterranean Sea E, B:378, 383
multicamerata, Ventilabrella, Mediterranean Sea E, B:383, 393
multiloba, Turborotalita, Site 964, A:102
murrhina, Pyrgo, Site 969, A:354
murus, Micula, Site 967, A:229
- Nannotetrina fulgens*, Eratosthenes Seamount, B:396
neobabies, Sphenolithus
 Eratosthenes Seamount, B:85, 89, 92–93, 97
 Site 968, A:302
 Site 969, B:103
Neogloboquadrina acostaensis
 Site 964, A:102
 Site 967, B:10
 Site 969, B:14
Neogloboquadrina atlantica, Site 964, B:156, 159–160
Neogloboquadrina dutertrei, Site 964, A:102; B:160
Neogloboquadrina pachyderma
 Mediterranean Sea E, B:101, 131
 Site 963, A:61
 Site 964, A:101–102; B:156–157, 160, 162
 Site 966, A:176
 Site 967, A:230
 Site 968, A:302
 Site 971, A:435
 Site 972, A:458
 Site 973, A:478
nepenthes, Zeaglobigerina
 Site 967, A:231; B:10
 Site 969, B:14
 Site 972, A:458
Nephrolepidina sp., Turkey, B:432
Nephrospyrus group, Site 971, B:140, 151
Nephrospyrus renilla, Site 971, B:140, 151
 new forms, *Incertae sedis, forma A*, Mediterranean Sea E, B:126–128, 130–134
nitida, Acarinina, Mediterranean Sea E, B:378, 383
nitzschiodes, Thalassionema, Site 971, A:435; B:355
oamaruensis, Chiasmolithus, Eratosthenes Seamount, B:395, 397
obesa, Globigerinella
 Site 964, A:102
 Site 969, B:14
obliquiloculata, Pulleniatina
 Site 963, A:61
- Site 964, A:102
 Site 972, A:458
 Site 973, A:478
obliquus, Globigerinoides
 Mediterranean Sea E, B:128, 132
 Site 964, A:101–102; B:156, 158
 Site 965, A:134
 Site 967, B:10, 13
 Site 968, A:302
 Site 969, B:14–15, 21
 Site 970, A:389–390
 Site 971, A:434
 Site 972, A:458
 Site 973, A:479
obliquus s.l., *Globigerinoides*, Site 964, B:156
oblonga, Globocassidulina, Site 969, A:354
obtusus, Sphenolithus, Eratosthenes Seamount, B:397
occlusa, Morozovella, Mediterranean Sea E, B:383
oceanica, Gephyrocapsa, Eratosthenes Seamount, B:84, 97
oceanica s.l., *Gephyrocapsa*
 Mediterranean Sea E, B:101
 Site 963, A:61–62
 Site 964, A:100–101
 Site 965, A:132–133; B:85
 Site 966, A:164, 170; B:87–88
 Site 967, A:225, 227–228, 231; B:90
 Site 968, A:300–303; B:93
 Site 969, A:344, 348, 356
 Site 970, A:386
 Site 971, A:432–434
 Site 972, A:455–456
 Site 973, A:477–478
octogonus, Distephanus, Site 971, B:143, 154
octopyle, Pylospira, Site 971, B:140, 150
ocoradiata, Ahmuellerella, Eratosthenes Seamount, B:397
Operculina sp.
 Levant, B:432
 Site 966, A:176
Orbitoidae, Eratosthenes Seamount, B:496
Orbulina bilobata
 Site 964, A:102
 Site 970, A:390
 Site 971, A:434–435
Orbulina sp.
 Site 375, B:459
 Site 964, B:160
Orbulina suturalis Biozone
 Site 970, A:389
 Site 971, A:434–435
Orbulina universa
 Mediterranean Sea E, B:131, 430
 Site 963, A:61
 Site 964, A:102
 Site 966, A:176
 Site 967, A:231; B:10, 13
 Site 969, B:14
 Site 970, A:390
 Site 971, A:434–435
 Site 972, A:458
 Site 973, A:478
Oridorsalis stellatus
 Mediterranean Sea E, B:128, 132
 Site 967, B:13, 26
 Site 969, B:14–15, 21
Oridorsalis umbonatus, Site 969, A:354
orientalis, Globotruncana, Mediterranean Sea E, B:383, 391
ornatus, Cibicidoides, Site 967, B:27
pachyderma, Cibicidoides, Site 967, B:27
pachycerma, Neogloboquadrina

- Mediterranean Sea E, B:101, 131
 Site 963, A:61
 Site 964, A:101–102; B:156–157, 160, 162
 Site 966, A:176
 Site 967, A:230
 Site 968, A:302
 Site 971, A:435
 Site 972, A:458
 Site 973, A:478
- palpebra*, *Pseudoguembelina*, Mediterranean Sea E, B:383
- pannonica*, *Cyprideis*
 Site 967, B:13, 28, 457, 686
 Site 968, A:302; B:3–4, 453
 Site 969, A:355; B:18, 131
 Site 970, A:389
- Paragloborotalia acrostoma*, Site 970, A:389
Paragloborotalia birnageae, Site 964, A:102
Paragloborotalia kugleri, Site 970, A:389
Paragloborotalia pseudokugleri
 Site 964, A:102
 Site 970, A:389
- Paragloborotalia siakensis*
 Site 964, A:102
 Site 970, A:389
- parapelagica*, *Hastigerina*
 Site 970, A:390
 Site 971, A:434
- Parasubbotina pseudobulloides*, Mediterranean Sea E, B:383
- parcus*, *Aspidiscus*, Site 967, B:383
parcus, *Aspidolithus*, Site 967, A:229–230
Parrelloides bradyi, Site 967, B:13, 19, 26
Parrelloides robertsonianus, Site 967, B:13, 19, 26
Parvularugoglobigerina eugubina, Mediterranean Sea E, B:383
- patelliformis*, *Contusotruncana*
 Mediterranean Sea E, B:383, 394
 Site 967, A:231
- pelagicus*, *Coccolithus*
 Mediterranean Sea E, B:115, 119–120
 Site 963, A:61
 Site 964, A:100
 Site 965, A:133
 Site 966, A:164
 Site 967, A:225
 Site 968, A:301
 Site 969, A:344, 351; B:101
 Site 970, A:386
 Site 971, A:432
 Site 972, A:455
 Site 973, A:477
- pennyi*, *Rugoglobigerina*, Mediterranean Sea E, B:383
- pentacamerata*, *Acarinina*
 Mediterranean Sea E, B:378
 Site 966, A:176
- pentaradiatus*, *Discoaster*
 Eratosthenes Seamount, B:94–95, 97
 Mediterranean Sea E, B:118–120
 Site 964, A:100–101; B:157–158, 162
 Site 965, A:134–135; B:85, 129
 Site 966, A:170, 173–174; B:88–89
 Site 967, A:227–228, 233; B:90–92, 184
 Site 968, A:302–303; B:93
 Site 969, A:348, 356; B:101
 Site 971, A:432
 Site 973, A:478
- peregrina*, *Uvigerina* cf., Site 967, B:26
Peridinium spinipes, Site 971, B:143–144
perlaevis perlaevis, *Dictyochoa*, Site 971, B:143, 154
- perparva*, *Martinottiella*, Site 967, B:13, 26
pettersi, *Globotruncanita*, Site 967, B:383
- Phormostichoartus* group, Site 971, B:142, 144, 152
- planata*, *Heterohelix*, Mediterranean Sea E, B:383
planocompressa, *Globanomalina*, Mediterranean Sea E, B:383
- planoconvexa*, *Siphonina*, Site 969, A:354
Planoglobulina acervulinoides, Site 967, B:393
Planoglobulina carseyae, Site 967, B:383
Planorbulina mediterraneensis, Site 973, A:478
Planorotalites pseudoscitulus
 Site 966, A:176
 Site 967, A:231
- Planulina ariminensis*, Site 967, B:27
Pleurostomella alternans, Site 967, B:13, 26
plummerae, *Contusotruncana*, Mediterranean Sea E, B:383, 394
- Plummerita hantkeninoides*, Site 967, B:383
pomeroli, *Turborotalia*, Mediterranean Sea E, B:378
- Pontosphaera japonica*
 Site 963, A:61
 Site 964, A:100
 Site 965, A:133
 Site 966, A:164
 Site 967, A:225
 Site 968, A:301
 Site 969, A:344
 Site 970, A:386
 Site 971, A:432
 Site 972, A:455
 Site 973, A:477
- Porites* sp.
 Cyprus, B:430–431
 Eratosthenes Seamount, B:493, 685
 Levant, B:433
 Turkey, B:432
- Porodiscus* group, Site 971, B:140, 148, 150
Porodiscus group A, Site 971, B:140, 150
Porodiscus group B, Site 971, B:140, 150
praecentralis, *Turborotalia*, Mediterranean Sea E, B:378
praecursor, *Pulleniatina*, Site 964, A:102
praecursoria, *Praemurica*, Mediterranean Sea E, B:383
- Praeglobotruncana gibba*, Site 967, B:394
Praemurica praecursoria, Mediterranean Sea E, B:383
Praemurica uncinata, Mediterranean Sea E, B:378, 383
- Praeorbulina glomerosa*
 Site 964, A:102
 Site 966, A:176
 Site 970, A:389
- Praeorbulina glomerosa* s.l. Biozone
 Site 970, A:389
 Site 971, A:434–435
- Praeorbulina sicana*, Site 966, A:176
Praeorbulina transitoria
 Site 964, A:102
 Site 966, A:176
 Site 970, A:389
- praeturritilina*, *Subbotina*, Mediterranean Sea E, B:378
- prairiehillensis*, *Globigerinelloides*
 Mediterranean Sea E, B:379, 383, 393
 Site 967, A:231; B:380
- Prediscosphaera cretacea*
 Eratosthenes Seamount, B:397
 Site 967, A:229
- predistentus*, *Sphenolithus*
 Eratosthenes Seamount, B:397
 Site 971, A:432, 434
- premacintyreii*, *Calcidiscus*
 Site 970, A:387
- Site 971, A:432
primitiva, *Dicarinella*, Site 967, B:394
primus, *Amaurolithus*
 Site 966, A:173–174
 Site 967, A:228
 Site 968, A:302
 Site 969, A:348
- Proboscia alata*, Site 971, B:355, 357, 362
productus pilsicaudatus, *Zygocircus*, Site 971, B:140, 151
productus productus, *Zygocircus*, Site 971, B:140, 151
- profunda*, *Comutella*, Site 971, B:141, 152
profunda, *Dictyocoryne*, Site 971, B:139, 149
profunda, *Florisphaera*, Mediterranean Sea E, B:118–120, 123
- protoannulus*, *Calcidiscus*, Eratosthenes Seamount, B:396
- pschadae*, *Globotruncanella*, Mediterranean Sea E, B:383
- pseudoampliapertura*, *Turborotalia*, Mediterranean Sea E, B:378
- pseudobulloides*, *Parasubbotina*, Mediterranean Sea E, B:383
- Pseudodictyophimus* group, Site 971, B:141, 151
Pseudoemiliana lacunosa
 Eratosthenes Seamount, B:85, 97
 Mediterranean Sea E, B:71
 Site 963, A:61–62; B:102, 109, 178
 Site 964, A:100, 103; B:158, 160, 178
 Site 965, A:133, 135
 Site 966, A:170; B:88
 Site 967, A:226–227, 231; B:89, 184
 Site 968, A:301–303; B:93
 Site 969, A:348, 352–353; B:104, 107–108
 Site 970, A:386–387
 Site 971, A:432
 Site 972, A:455, 458
 Site 973, A:477
- Pseudoguembelina costulata*, Mediterranean Sea E, B:383, 393
Pseudoguembelina excolata, Site 967, B:383, 393
Pseudoguembelina palpebra, Mediterranean Sea E, B:383
- Pseudohastigerina* sp., Site 964, A:102
pseudokugleri, *Paragloborotalia*
 Site 964, A:102
 Site 970, A:389
- pseudolinneiana*, *Marginotruncana*, Site 967, A:231; B:380, 383, 391
- pseudomayeri*, *Turborotalia*, Mediterranean Sea E, B:378
- pseudoscitula*, *Globanomalina*, Mediterranean Sea E, B:378
- pseudoscitulus*, *Planorotalites*
 Site 966, A:176
 Site 967, A:231
- Pseudosolenia calcar-avis*
 Site 967, B:338
 Site 969, B:338
 Site 971, B:355, 357–358
- Pseudotextularia acervulinoides*, Site 967, B:383
Pseudotextularia elegans, Mediterranean Sea E, B:383, 393
Pseudotextularia intermedia, Mediterranean Sea E, B:383
- Pseudotextularia* sp., Mediterranean Sea E, B:378
pseudotopilensis, *Truncorotaloides*, Site 966, A:176
- pseudoubilicus*, *Reticulofenestra*
 Eratosthenes Seamount, B:97
 Mediterranean Sea E, B:115, 123
 Site 964, A:101, 103
 Site 965, A:134–135; B:85

- Site 966, A:170, 173–174, 177; B:89
 Site 967, A:227–228, 231; B:92, 184
 Site 968, A:302; B:93
 Site 969, A:348, 356; B:103–104, 108, 110, 115
 Site 971, A:433
 Site 973, A:478
- Ptercanium* group, Site 971, B:141, 148
- puella*, *Spongocore*, Site 971, B:140, 150
- pulchra*, *Scyphosphaera*
 Site 964, A:101
 Site 965, A:133; B:85
 Site 966, A:170; B:87–88
 Site 967, A:227
 Site 970, A:386
 Site 971, A:433–434
 Site 972, A:456
- Pulleniatina obliquiloculata*
 Site 963, A:61
 Site 964, A:102
 Site 972, A:458
 Site 973, A:478
- Pulleniatina praecursor*, Site 964, A:102
- punctata*, *Brizalina*, Site 967, B:13
- puncticulata*, *Globorotalia*
 Mediterranean Sea E, B:101
 Site 964, A:101–103; B:161–162
 Site 965, A:134–135
 Site 966, A:176–177
 Site 967, A:230–231; B:130
 Site 968, A:302–303, 325
 Site 969, A:353, 356; B:104
 Site 970, A:389
 Site 972, A:458
 Site 973, A:479
- punctulata*, *Heterohelix*, Mediterranean Sea E, B:383, 393
- pygmaea*, *Uvigerina*, Site 967, B:13, 26
- Pylospira* group, Site 971, B:140, 150
- Pylospira octopyle*, Site 971, B:140, 150
- pyramidalis*, *Globigerinoides*
 Site 963, A:61
 Site 964, A:102
 Site 970, A:390
 Site 971, A:434–435
 Site 972, A:458
 Site 973, A:478
- Pyrgo murrhina*, Site 969, A:354
- quadratus*, *Lithrathidites*
 Eratosthenes Seamount, B:397
 Site 967, A:229
- quadrilobatus*, *Globigerinoides*
 Site 964, A:102; B:156, 158
 Site 967, B:10, 13
 Site 969, B:14
- Quadrum gothicum*
 Eratosthenes Seamount, B:397
 Site 967, A:229
- Quadrum trifidum*
 Eratosthenes Seamount, B:397
 Site 967, A:229
- quetra*, *Morozovella*, Mediterranean Sea E, B:383
- quinqueloba*, *Turborotalia*
 Mediterranean Sea E, B:131
 Site 963, A:61
 Site 964, A:102; B:157
 Site 967, A:231; B:10, 13
 Site 969, B:14, 18
 Site 970, A:389–390
 Site 971, A:434–435
 Site 972, A:458
 Site 973, A:478
- quinqueramus*, *Discoaster*
 Eratosthenes Seamount, B:495
 Mediterranean Sea E, B:115
- Racemiguembelina fruticosa*, Site 967, A:231
- Radotruncana calcarata* Zone, Mediterranean Sea E, B:383–386, 389
- rajagopalani*, *Heterohelix*, Mediterranean Sea E, B:383
- regulare*, *Hymeniastrum*, Site 971, B:139, 149
- reicheli*, *Archaealveolina*, Mediterranean Sea E, B:378, 384, 394
- Reinhardtites anthophorus*, Eratosthenes Seamount, B:397
- Reinhardtites levis*, Eratosthenes Seamount, B:397
- renilla*, *Nephrospyris*, Site 971, B:140, 151
- reticulata*, *Siphonina*
 Site 967, B:13, 26
 Site 969, A:354–355; B:14
- reticulatum*, *Cribrocentrum*, Eratosthenes Seamount, B:395–396
- Reticulofenestra callida*, Eratosthenes Seamount, B:397
- Reticulofenestra pseudumbilicus*
 Eratosthenes Seamount, B:97
 Mediterranean Sea E, B:115, 123
 Site 964, A:101, 103
 Site 965, A:134–135; B:85
 Site 966, A:170, 173–174, 177; B:89
 Site 967, A:227–228, 231; B:92, 184
 Site 968, A:302; B:93
 Site 969, A:348, 356; B:103–104, 108, 110, 115
 Site 971, A:433
 Site 973, A:478
- Reticulofenestra pseudumbilicus* paracme, Site 969, B:104
- Reticulofenestra rotaria*, Site 966, A:175; B:467
- Reticulofenestra rotaria* Zone, Site 966, A:175
- Reticulofenestra* sp.
 Mediterranean Sea E, B:115, 118, 123, 495
 Site 966, A:174
 Site 968, B:445
 Site 969, B:101
 Site 970, A:386
- Reticulofenestra umbilica*
 Site 963, A:61
 Site 967, A:228
 Site 970, A:386
 Site 971, A:432
- Reticulofenestra umbilicus*, Eratosthenes Seamount, B:395–397
- retroversa*, *Limacina*
 Site 964, A:101
 Site 966, A:176
 Site 970, A:389
- reussi*, *Heterohelix*
 Mediterranean Sea E, B:379
 Site 967, A:231
- Rhabdosphaera clavigera*
 Site 963, A:61
 Site 964, A:100
 Site 965, A:133; B:85
 Site 966, A:164; B:87–88
 Site 967, A:225
 Site 968, A:301
 Site 969, A:344
 Site 970, A:386
 Site 971, A:432
 Site 972, A:455
 Site 973, A:477
- Rhizosolenia bergonii*, Site 971, B:355
- Rhizosolenia calcar-avis*, Site 971, A:435; B:362
- Rhizosolenia imbricata*, Site 971, B:355
- Rhizosolenia setigera*, Site 971, B:352, 355–356
- Rhizosolenia* spp., Site 971, A:435; B:352, 357–358
- Rhizosolenia styliformis*, Site 971, B:355
- riedeli*, *Hastigerinopsis*
 Site 970, A:390
 Site 971, A:434
 Site 972, A:458
 Site 973, A:478
- robertsonianus*, *Parrelloides*, Site 967, B:13, 19, 26
- rosetta*, *Globotruncana*, Mediterranean Sea E, B:383, 391
- Rotalipora* spp., Mediterranean Sea E, B:378, 394
- rotaria*, *Reticulofenestra*, Site 966, A:175; B:467
- rotundata*, *Kulgerina*, Site 967, B:383
- rotundimarginata*, *Acarinina*, Site 967, A:231
- ruber*, *Globigerinoides*
 Mediterranean Sea E, B:131
 Site 963, A:61
 Site 964, A:102; B:158, 160
 Site 967, B:10, 183
 Site 970, A:390
 Site 971, A:434–435; B:361
 Site 972, A:458
 Site 973, A:478
- rudis*, *Cylindroclavulina*, Site 967, B:27
- Rugoglobigerina appenninica* Zone, Site 967, B:385
- Rugoglobigerina cushmani* Zone, Site 967, B:385
- Rugoglobigerina hexacamerata*
 Mediterranean Sea E, B:383
 Site 967, A:231
- Rugoglobigerina macrocephala*, Mediterranean Sea E, B:383, 391
- Rugoglobigerina pennyi*, Mediterranean Sea E, B:383
- Rugoglobigerina reicheli* Zone, Site 967, B:385
- Rugoglobigerina rugosa*, Site 967, A:231; B:383, 391
- Rugotruncana?* sp., Site 967, B:392
- rugosa*, *Rugoglobigerina*, Site 967, A:231; B:383, 391
- rugosaoculeata*, *Acarinina*
 Mediterranean Sea E, B:378
 Site 966, A:176
 Site 967, A:231
- rugosus*, *Ceratolithus*, Mediterranean Sea E, B:108
- rugosus*, *Triquetrorhabdulus*, Mediterranean Sea E, B:101, 115, 122
- sacculifer*, *Globigerinoides*
 Site 963, A:61
 Site 964, A:102
 Site 967, B:10
 Site 969, B:14
 Site 972, A:458
 Site 973, A:478
- saipanensis*, *Discoaster*
 Eratosthenes Seamount, B:395, 397
 Site 963, A:61
 Site 965, A:134
 Site 966, A:175
 Site 967, A:228
- Scapholithus fossilis*, Eratosthenes Seamount, B:85, 87–88
- scitula*, *Globorotalia*
 Mediterranean Sea E, B:131
 Site 963, A:61
 Site 964, A:102; B:157, 160
 Site 967, B:10
 Site 970, A:390
 Site 971, A:434–435
 Site 972, A:458

- Site 973, A:478
Scyphosphaera pulchra
 Site 964, A:101
 Site 965, A:133; B:85
 Site 966, A:170; B:87–88
 Site 967, A:227
 Site 970, A:386
 Site 971, A:433–434
 Site 972, A:456
Scyphosphaera spp.
 Mediterranean Sea E, B:119–120, 123
 Site 964, A:100
sellii, *Helicosphaera*
 Eratosthenes Seamount, B:495
 Site 963, A:61
 Site 964, A:100; B:158
 Site 965, A:133
 Site 966, A:170, 173
 Site 967, A:227; B:192
 Site 968, A:301–302
 Site 969, A:348; B:104, 108, 192
 Site 970, A:386
 Site 973, A:477–478
seminulina, *Sphaeroidinellopsis*, Site 967, B:10
Sethophormin group, Site 971, B:141, 151
setigera, *Rhizosolenia*, Site 971, B:352, 355–356
siakensis, *Paragloborotalia*
 Site 964, A:102
 Site 970, A:389
sicana, *Praeorbulina*, Site 966, A:176
Siderastrae spp.
 Site 966, B:422
 Turkey, B:432
sigali, *Marginotruncana*, Site 967, B:394
sigali, *Marginotruncana* cf., Site 967, A:231
Sigalia decoratissima carpatica, Mediterranean Sea E, B:379–380, 393
Sigalia deflaensis rugocostata, Mediterranean Sea E, B:380
sinuosa, *Marginotruncana*, Site 967, B:380, 391
Siphocampe group, Site 971, B:142, 152
siphonifera, *Globigerinella*
 Site 969, B:14
 Site 970, A:390
 Site 971, A:434
Siphonina planconvexa, Site 969, A:354
Siphonina reticulata
 Site 967, B:13, 26
 Site 969, A:354–355; B:14
soldanii, *Gyroidina*, Site 969, A:354
Solenosphaera chierchiae, Site 971, B:138, 149
solitus, *Chiasmolithus*, Eratosthenes Seamount, B:395, 397
Sphaeroidinella dehiscens
 Site 966, A:176
 Site 969, A:353
 Site 971, A:434
Sphaeroidinellopsis cocki, Site 964, A:102–103
Sphaeroidinellopsis kochi, Site 967, B:10
Sphaeroidinellopsis seminulina, Site 967, B:10
Sphaeroidinellopsis spp.
 Eratosthenes Seamount, B:495–496
 Site 965, A:134–135
 Site 966, A:176; B:467
 Site 967, A:230; B:10, 22
 Site 968, A:302–302
 Site 969, A:353; B:14
 Site 971, A:434
 Site 973, A:478–479
Sphaeroidinellopsis subdehiscens
 Site 964, A:102
 Site 967, B:10
Sphenolithus abies
 Eratosthenes Seamount, B:85, 89, 97
 Mediterranean Sea E, B:115, 122
 Site 963, A:61
 Site 966, A:173–174
 Site 967, A:227–228; B:92, 184
 Site 968, A:302; B:93
 Site 969, A:348, 351; B:101, 103
Sphenolithus celsus, Eratosthenes Seamount, B:397
Sphenolithus ciperoensis, Site 971, A:434
Sphenolithus distentus, Site 971, A:434
Sphenolithus heteromorphus
 Site 963, A:61
 Site 970, A:387
 Site 971, A:434
Sphenolithus moriformis, Mediterranean Sea E, B:115, 122
Sphenolithus neobabies
 Eratosthenes Seamount, B:85, 89, 92–93, 97
 Site 968, A:302
 Site 969, B:103
Sphenolithus obtusus, Eratosthenes Seamount, B:397
Sphenolithus predistentus
 Eratosthenes Seamount, B:397
 Site 971, A:432, 434
Sphenolithus spiniger, Eratosthenes Seamount, B:396
Sphenolithus spp., Mediterranean Sea E, B:115, 122
spiniger, *Sphenolithus*, Eratosthenes Seamount, B:396
spinipes, *Peridinium*, Site 971, B:143–144
spinosa group?, *Acrosphaera*, Site 971, B:138, 149
spinuloinflata, *Acarinina*, Site 967, B:383
Spiroclypeus spp., Cyprus, B:430
Spiroclytus group, Site 971, B:142, 152
Spiroplectammina sp.
 Site 965, A:135
 Site 966, A:176
Spongaster spp., Site 971, B:140, 144, 148, 150
Spongocore puella, Site 971, B:140, 150
Spongocore spp., Site 971, B:140, 144, 150
Spongodiscus group, Site 971, B:140, 144, 150
stalis, *Helicosphaera*, Site 970, A:387
stapedia aspinosa, *Dictyocha*, Site 971, B:143, 154
stapedia stapedia, *Dictyocha*, Site 971, B:143, 154
stellatus, *Oridorsalis*
 Mediterranean Sea E, B:128, 132
 Site 967, B:13, 26
 Site 969, B:14–15, 21
Stilostomella antillea, Site 967, B:26
striata, *Heterohelix*
 Mediterranean Sea E, B:380
 Site 967, A:231
stuarti, *Globotruncanita*, Site 967, A:231; B:383
stuartiformis, *Globotruncanita*, Site 967, A:231; B:383, 392
styliformis, *Rhizosolenia*, Site 971, B:355
Subbotina angiporoides, Mediterranean Sea E, B:378
Subbotina praeturritilina, Mediterranean Sea E, B:378
Subbotina trilocolinoides, Mediterranean Sea E, B:383
subbotinae, *Morozovella*, Mediterranean Sea E, B:378, 383
subconglobata, *Globigerinatheka*
 Site 966, A:176
 Site 967, A:231
subdehiscens, *Sphaeroidinellopsis*
 Site 964, A:102
 Site 967, B:10
subglobosa, *Globocassidulina*
 Site 967, B:13
 Site 969, B:14
subsacculifer, *Globigerinoides*, Site 964, A:102
 Subzone A, Mediterranean Sea E, B:131
 Subzone B, Mediterranean Sea E, B:132
 Subzone C, Mediterranean Sea E, B:132
surculus, *Discoaster*
 Eratosthenes Seamount, B:94–95, 97
 Mediterranean Sea E, B:118–119
 Site 964, A:100; B:158, 162
 Site 965, A:134; B:129
 Site 966, A:170, 173–174; B:89
 Site 967, A:227–228; B:91–92
 Site 968, A:302; B:93
 Site 969, A:348
 Site 971, A:433
 Site 973, A:478
tamalis, *Discoaster*
 Eratosthenes Sea, B:94–95, 97
 Mediterranean Sea E, B:101
 Site 964, A:100–101; B:157–158, 160, 163, 219–220
 Site 965, A:134–135; B:85, 129
 Site 966, A:170; B:88–89
 Site 967, A:227, 233; B:92, 184
 Site 968, A:302; B:93
 Site 969, A:348, 356; B:104, 107, 110
 Site 971, A:432–433
 Site 973, A:478
Tarbellastraea spp.
 Cyprus, B:431
 Site 966, B:422
 Turkey, B:432
tenuis, *Bachymayerella*, Mediterranean Sea E, B:126–128, 130–134
tenuis, *Bachymayerella* cf., Mediterranean Sea E, B:134
Tenuitella anfracta, Site 964, A:102
tepada, *Anmonia*
 Mediterranean Sea E, A:516
 Site 967, B:13, 28
 Site 968, A:302; B:4, 453
teuscheri, *Clathrocorys*, Site 971, B:141, 151
Thalassionema bacillaris, Site 971, A:435
Thalassionema frauenfeldii, Site 971, A:435; B:355, 358
Thalassionema nitzschiodes, Site 971, A:435; B:355
Thalassionema spp.
 Site 969, B:339
 Site 971, B:339, 356, 358
Thalassiothrix longissima, Site 971, A:435; B:358
Thecosphaera inermis, Site 971, B:139, 149
Thecosphaera spp., Site 971, B:139, 149
Theocorys group, Site 971, B:141
Tholospyrus group, Site 971, B:140
Thoracosphaera sp., Site 968, B:4, 8
Toweius gammation, Eratosthenes Seamount, B:396–397
transitoria, *Praeorbulina*
 Site 964, A:102
 Site 966, A:176
 Site 970, A:389
tricorniculatus, *Amaurolithus*
 Site 966, A:173–174; B:89
 Site 967, A:227–228; B:92
 Site 968, A:302; B:93
 Site 969, A:348, 351
trifidum, *Quadrum*
 Eratosthenes Seamount, B:397
 Site 967, A:229
trilobus, *Globigerinoides*

- Site 964, A:102
Site 967, B:10
Site 969, B:14
triloculinoides, *Subbotina*, Mediterranean Sea E, B:383
Triquetrorhabdulus rugosus, Mediterranean Sea E, B:101, 115, 122
triradiatus, *Discoaster*
Site 964, A:101; B:158
Site 965, A:134; B:85
Site 966, A:170; B:88
Site 967, A:227; B:90–91, 192–193
Site 968, A:302; B:92–93
Site 969, A:348; B:106–108, 192–193
Site 970, A:386
truncatulinoides, *Globorotalia*
Site 964, B:160
Site 967, B:192–193
Site 969, B:192–193
truncatulinoides, *Truncorotalia*, Mediterranean Sea E, B:160
truncatulinoides excelsa, *Globorotalia*, Site 964, B:162–163
truncatum, *Dictyocoryne*, Site 971, B:139, 148–149
Truncorotalia truncatulinoides, Mediterranean Sea E, B:160
Truncorotalia truncatulinoides excelsa Zone
Mediterranean Sea E, B:131–132
Site 964, A:101–102; B:156
Site 965, A:134; B:129–130
Site 966, A:176; B:130
Site 967, A:230; B:130
Site 968, A:302
Site 969, A:353; B:131
Site 970, A:389
Site 971, A:434
Site 972, A:456
Site 973, A:478
Truncorotaloides lybiaensis, Site 967, A:231
Truncorotaloides pseudotopilensis, Site 966, A:176
tubulosa, *Ariculina*, Site 969, A:354
Turborotalia cerroazulensis, Mediterranean Sea E, B:378
Turborotalia cf. griffinae, Site 966, A:176
Turborotalia griffinae, Mediterranean Sea E, B:378
Turborotalia pomeroli, Mediterranean Sea E, B:378
Turborotalia praecentralis, Mediterranean Sea E, B:378
Turborotalia pseudoampliapertura, Mediterranean Sea E, B:378
Turborotalia pseudomayeri, Mediterranean Sea E, B:378
Turborotalita multiloba, Site 964, A:102
Turborotalita quinqueloba
Mediterranean Sea E, B:131
Site 963, A:61
Site 964, A:102; B:157
Site 967, A:231; B:10, 13
Site 969, B:14, 18
Site 970, A:389–390
Site 971, A:434–435
Site 972, A:458
Site 973, A:478
turrisseiffelii, *Eiffelithus*, Site 963, A:61
ultramicros, *Globigerinelloides*, Mediterranean Sea E, B:379–380
umbilica, *Reticulofenestra*
Site 963, A:61
Site 967, A:228
Site 970, A:386
Site 971, A:432
umbilicus, *Reticulofenestra*, Eratosthenes Seamount, B:395–397
umbonatus, *Oridorsalis*, Site 969, A:354
uncinata, *Praemurica*, Mediterranean Sea E, B:378, 383
ungerianus, *Cibicoides*, Site 967, B:27
universa, *Orbulina*
Mediterranean Sea E, B:131, 430
Site 963, A:61
Site 964, A:102
Site 966, A:176
Site 967, A:231; B:10, 13
Site 969, B:14
Site 970, A:390
Site 971, A:434–435
Site 972, A:458
Site 973, A:478
Uvigerina cf. peregrina, Site 967, B:26
Uvigerina mirabilis, Site 966, B:87–88
Uvigerina pygmaea, Site 967, B:13, 26
uwula, *Globigerinita*
Site 964, A:102
Site 969, B:14
Valvulineria marmorea, Site 967, B:13
variabilis, *Discoaster*
Eratosthenes Seamount, B:86, 94–95, 97
Mediterranean Sea E, B:118–119
Site 966, A:173–174; B:89
Site 967, A:227–228
Site 971, A:432
Ventilabrella eggeri, Mediterranean Sea E, B:380, 383
Ventilabrella multicamerata, Mediterranean Sea E, B:383, 393
ventricosa, *Globotruncana*, Site 967, A:231; B:380, 383, 391
vinculata, *Acanthodesmia*, Site 971, B:140, 148
viola, *Globorotalia*, Site 964, B:156
virchowii, *Hymeniastrum*, Site 971, B:139, 149
walberdorfensis, *Helicosphaera*
Site 970, A:387
Site 971, A:432
washitensis, *Favusella*, Mediterranean Sea E, B:378–379, 394
Watznaueria barnesae
Eratosthenes Seamount, B:397
Site 967, A:229
Whiteinella aprica, Site 967, B:394
Whiteinella archaeocretacea Zone, Mediterranean Sea E, B:385
Whiteinella baltica, Site 967, B:394
Whiteinella sp., Site 967, B:394
wiedenmayeri, *Gansserina*, Site 967, B:383
wilcoxonii, *Helicosphaera*, Eratosthenes Seamount, B:397
woodi, *Zeaglobigerina*
Site 964, A:102
Site 967, B:10
Site 969, B:14
Zeaglobigerina ampliapertura, Mediterranean Sea E, B:378
Zeaglobigerina decoraperta
Site 967, B:10
Site 969, B:14
Zeaglobigerina druryi, Site 964, A:102
Zeaglobigerina nepenthes
Site 967, A:231; B:10
Site 969, B:14
Site 972, A:458
Zeaglobigerina woodi
Site 964, A:102
Site 967, B:10
Site 969, B:14
zones (with letter prefixes)
CN10a, Mediterranean Sea E, B:101
CP12, Eratosthenes Seamount, B:396–397
CP13, Eratosthenes Seamount, B:396
CP13c, Eratosthenes Seamount, B:396
CP14a, Eratosthenes Seamount, B:395, 397
CP14b, Eratosthenes Seamount, B:397
CP15, Eratosthenes Seamount, B:397
MNN12, A:173, 227, 302, 348; B:89, 92–93, 108, 110, 128, 131, 467, 495
MNN13, A:134, 170, 173–174, 227–228, 302, 348; B:86, 89, 92–93, 95, 104, 130–131, 467
MNN14–MNN15, A:101, 134, 170, 227, 348, 478; B:85–86, 89, 92–93, 104, 130–131
MNN16, Mediterranean Sea E, B:129
MNN16a, A:101, 134, 170, 227, 302, 348, 433, 478; B:85, 89, 92–93, 95, 104, 110, 129–131, 157
MNN16c, Site 968, B:93
MNN17–MNN16b, A:101, 134, 170, 227, 302, 348, 432; B:85, 89–90, 92–93, 129–131
MNN18, A:101, 133, 170, 227, 302, 386, 432, 478; B:85, 88, 90–91, 92–93, 101, 131, 158
MNN19a, A:101, 170, 227, 302, 348, 386, 432, 456, 478; B:85, 88–90, 92–93, 129–131
MNN19b, A:100, 170, 227, 301–302, 348, 386, 432, 455; 477; B:88, 90, 130–131, 158
MNN19c, A:61, 100, 170, 227, 301, 348, 387, 455, 477; B:85, 88, 129–131, 158
MNN19c–MNN19a, Site 965, A:133
MNN19d, A:61, 100, 133, 227, 301, 348, 386–387, 432, 455, 477; B:85, 88, 90, 92, 130–131, 158, 160, 162
MNN19e, A:61, 100, 133, 170, 226, 301, 348, 387, 455, 477; B:90, 92, 129–131, 158, 163
MNN19f, A:61, 100, 133, 170, 226, 301, 348, 352–353, 386–387, 432, 434, 455, 477; B:88–90, 108, 128–131, 158
MNN20, A:61, 100, 133, 170, 225–226, 228, 301, 348, 386, 432–434, 455, 477; B:88–89, 92, 130–131, 158
MNN21, A:61, 132, 164, 174, 225, 228, 300, 344, 434; B:87, 92, 130–131
MNN21a, A:100, 386, 432–433, 454, 477; B:158
MNN21b, Site 971, A:433
MP11, B:10, 17, 19–20, 130–131
MP11/MP12 boundary, Site 967, B:10, 20
MP12, B:10, 17, 19, 130–131
MP13, Mediterranean Sea E, B:130–131
MP14a, Mediterranean Sea E, B:101, 131
MP14b, Mediterranean Sea E, B:130–131
MP15a, Mediterranean Sea E, B:101, 130–131, 156
MP15b, Mediterranean Sea E, B:101, 130–131, 156
MP16, Mediterranean Sea E, B:101, 130–131
MPL1, A:231, 353; B:128, 467
MPL2, A:176, 230–231, 302; B:467, 495
MPL3, A:176, 231, A:302, 353, 479; B:467
MPL4a, A:101–102, 134, 176, 302, 353
MPL4b, A:102, 134, 230, 302, 353, 434, 479
MPL5, Site 964, A:101–102

MPL5a, A:102, 134, 176, 230
 MPL5a–MPL5b, Site 973, A:479
 MPL5b, A:134, 176, 230, 302, 353, 434
 MPL6, A:101, 134, 176, 230–231, 302, 353,
 389, 434, 458
 NC16, Eratosthenes Seamount, B:397
 NC17, A:230; B:397
 NC18, Eratosthenes Seamount, B:397
 NC19a, Site 967, A:229
 NC19b, A:229; B:397
 NC20, A:229; B:397
 NC21, A:229; B:397
 NC22, A:229; B:397

NC23, A:229; B:397
 NP15–NP16, Site 967, A:228
 NP16–NP17, A:175, 228
 NP17, Site 967, A:230
 NP18, Site 967, A:230
 P3b, Site 967, B:383
 P6b, Site 967, B:383
 P7, Site 967, B:383
 P10, Site 967, B:383
 P11, Site 967, A:231; B:383
 P12, Site 967, A:231
 P13, Site 967, A:231
 P14, Site 967, A:231

P20, Site 967, B:383
 Palpha, Site 967, B:383
Zygocircus group, Site 971, B:140, 151
Zygocircus productus piscicaudatus, Site 971,
 B:140, 151
Zygocircus productus productus, Site 971, B:140,
 151
Zygrablithus bijugatus, Eratosthenes Seamount,
 B:396