

## Index

- Abe, Yoshiro, 77  
 Abiko, Shoji, 38, 230, 231  
*Acanthopagrus schlegelii* (black porgy), 73, 248  
 Accelerator Mass Spectrometry, *see* AMS  
 Acorns, 59, 60, 63, 64–66, 70, 78, 99, 250  
 Activity sphere, 83  
 Adzes, 236, *see also* Axes; Axes/adzes  
   edge-ground, 36  
*Aesculus turbinata* (buckeye), 59  
 Affluent hunter-gatherers, 119, 120, 243  
 Agency, 201, 214  
 Aichi Prefecture, 139, 172  
 Aikens, Melvin, 57  
 Ainu, 12, 46, 51–52, 60, 84, 176  
 Ainu Cultural Promotion Law, 52  
 Akasakata site (Iwate Prefecture), 227  
 Akayama Jin'ya-ato site (Saitama Prefecture), 64, 235  
 Akazawa, Takeru, 57, 72, 73, 77–78, 84  
 Akita Prefecture, 59, 141, 184, 227, 230  
 Akyu site (Nagano Prefecture), 181, 182, 183  
 Alaska, 10, 85, 129, 130, 249  
 Alcoholic beverages, 208, *see also* Fruit wine  
 Aleutian Islands, 249  
 Allerød, 42  
 Amakasu, Ken, 243  
 Amber, 114, 130, 233  
   beads, *see* Beads, amber  
   fragments, 233  
   ornaments, 177  
*Amphicarpaea edgeworthii* (hog peanut), 118  
 AMS (Accelerator Mass Spectrometry), 27, 36, 40, 114, *see also* <sup>14</sup>C dates, Radiocarbon dates  
 Amur River, 32–35  
 Anangula site (Aleutian Islands), 249  
 Anderson, Atholl, 14  
 Ando, Norikazu, 227  
*Angin*, 215, 218  
 Anoh site (Shiga Prefecture), 64  
 Aomori Prefecture, 14, 28, 32, 36, 40, 86, 108, 110, 113, 118, 119, 124, 129, 131, 159, 166, 171, 177, 185, 215, 218, 230, 233, 253  
 Aomori-ken Kyoiku Iinkai, 131  
 Aota site (Niigata Prefecture), 220  
*Aphananthe aspera* (*mukumoki*), 236  
 Arakawa River (Tokyo), 77  
 Arakawa River (Aomori), 185  
 Araya site (Niigata Prefecture), 247  
 Araya style burins, *see* Burins, Araya style  
 Architectural materials, 218  
 Arctic, 12, 121, 129, 244  
*Arctium* (burdock), 59, 71, 118  
 Ario phase, 181  
 Arrowheads, 29, 93–96, 98, 99, 114, 125, 177, 183, 189, 221, 230, 246, 247, 248, 252  
 Asian population  
   archaic, 50  
   new, 50, 52  
 Ashibetsu Nokanan site, 188  
 Asphalt, 114, 130, 201, 221, 227–231, 233, 238, 256  
 Australian Aborigines, 119  
 Awazu shell-midden (Shiga Prefecture), 59, 77, 118  
 Awls, 77, 93, 125, 177  
 Axe/adze handles, 235  
 Axes, 189, 236  
   chipped stone, 60, 70, 77, 93, 96, 98, 99, 105, 106, 234, 252–253  
   polished stone, 93, 125  
 Axes/adzes  
   polished stone, 234  
 Azuki beans, *see* Beans, azuki  
*Azukiia angularis* (azuki bean), 118  
   var. *nipponensis* (*yabutsuru-azuki*), 118

- Baba, Hisao, 50, 52  
 Ball-shaped clay artifacts, 157  
 Barley, 59, 70, 71, 117  
 Barnyard millet, 14, 59, 70, 72, 118  
 Basketry, 114, 201, 214  
 Baskets, 66, 67, 214, 218, 220, 231  
   lacquered, *see* Lacquered baskets  
 Baumhoff, Martin, 46  
 Beads, 163, 189, 193  
   amber, 233  
   clay small, 157  
   comma-shaped stone, 157  
   jade, 142, 157, 177, 179, 224–227, 238  
   shell, 233  
   stone tubular, 157, 177  
   talc, 251  
 Bean-appliqué pottery, 28  
 Beans, 59, 70–71, 118, *see also*  
   Green gram; Hog peanuts  
   azuki, 118  
   soy, 118  
   wild soy, 118  
 Beech, 69  
 Bibi (No.) 4 site (Hokkaido), 178, 188,  
   189, 233  
 Bifacial points, *see* Points, bifacial  
 Bison, 246  
*Bison priscus* (bison), 246  
 Black porgy, 248  
 Bleed, Peter, 57  
 Blowfish, 116  
 Boar, 45, 58, 62, 115, 127, 246, 248  
   ivory pendants, 177  
*Boehmeria* (false nettle), 215–217, 218  
 Bolling, 42  
 Bone artifacts, 114  
 Bone fractures, 139–140  
 Bone tools, 77, 114, 227, 230, *see also* Fish  
   hooks; Fish spears; Harpoon heads;  
   Needles  
 Bottle gourds, 14, 59, 70, 71, 118  
 Bracelets  
   shell, *see* Shell bracelets  
 Bracken, 70  
 Buckeyes, 59, 64, 66, 67, 69, 70, 218  
 Buckwheat, 59, 70, 71  
 Burdock, 59, 71, 118  
 Burial goods, 177, 197, 220, *see also* Grave  
   goods  
 Burial groups, 140  
 Burial jars, 110, 111, 128, 167–169, 171,  
   185, *see also* Burials, jar  
 Burial pits, 128, 140, 163, 165, 166, 170,  
   171, 179–180, 181, 185, 189, 203,  
   218, 220, 250, *see also* Grave pits  
   spatial patterning of, 138  
 Burial rows, 165  
 Burials, 3, 85, 137, 138, 140, 141, 142,  
   159, 163, 166, 174–176, 177, 178,  
   179, 180–181, 182, 189, 193, 195,  
   197, 198, 218, 220, 225, 256  
   abandoned-house, 166, 174  
   child, 177, 178, 256  
   circular-stone, 110, 165, 185  
   collective secondary, 169–170, 174, 179,  
   188  
   communal, 256  
   flask-shaped pit, 159, 185  
   jar, 139, 166–167, 171, 173, 174  
   multiple, 166  
   of fetuses and infants, 167–169  
   pit, 159, 165, 172, 174, 184, *see also*  
     Burials, flask-shaped pit  
   primary, 159, 166, 169, 173  
   regional and temporal variability in, 174  
   rows of, *see* Burial rows  
   secondary, 159, 166, 169, 171, 172–173,  
     *see also* Burials, collective secondary  
   square-shaped bone-pile, 171, 174  
   stone coffin, 166, 171  
   with circular embankment, 187  
 Burins, 29, 36  
   Araya style, 247  
 Butchering, 116, 183  
   patterns, 58  
 Butsunami site (Osaka Prefecture), 155  
 C<sub>4</sub> plants, 72  
<sup>14</sup>C dates, 26,  
   *see also* AMS; Radiocarbon dates  
 Cahokia, 119  
 California, 46, 60, 121, 132, 197, 244  
 Caloric contribution, 73  
 Caloric intake, 73  
 Camps, 106  
   field, 127  
   fishing, 73  
   shellfish-collecting, 73, 77  
   special purpose, 77, 257  
 Campbell, J. M., 85  
 Camphor trees, 236  
 Canoes, 201, 236  
*Castanea* (chestnut), 59, 116  
*Castanopsis*, 59  
 Cedar, 236  
 Cemeteries, 85, 140, 165, 174, 179, 181,  
   198, 251, *see also* Burials  
*Cephalotaxus harringtonia* (*inugaya*), 236  
*Cervus*  
   *nippon* (sika deer), 45, 115, 246  
   *praenipponic*, 246

## 320 Index

- Chemical analyses, 203, 212, 213, 223, 224, 233
- Chestnuts, 59, 63, 67, 69, 111, 116, 117, 193, 195, 218
- Chiba Prefecture, 49, 72, 73, 75, 80, 166, 170, 179, 193, 197, 202, 213, 215, 223, 236, 238, 257
- Chikamori site (Ishikawa Prefecture), 193
- China, 32, 35, 36
- Chinsen-mon* pottery, 210
- Chisholm, Brian, 57
- Chojagahara site (Niigata Prefecture), 225
- Chojakubo site (Aomori Prefecture), 36
- Chojakubo type of lithic tools, 29
- Chojakubo/Mikoshiha phase, *see* Mikoshiha/Chojakubo phase
- Chondrichthyes (cartilaginous fish), 116
- Chubu (Mountain) region, 5, 12, 40, 47, 60, 70, 87, 89, 105, 106, 108, 133–134, 144, 147, 159, 181, 182, 185, 203, 210, 212, 225, 252–254, 255, 259
- Chugoku region, 5, 40, 47, 51, 134, 172, 174, 208, 210, 255, 257, 259
- Chulmun pottery, 208, 213
- Cinnabar, 215, 233
- Cinnamomum camphora*, 236
- Clan communities, 79
- Clan/primitive communities, 83
- Class societies, 243
- Clay figurines, *see* Figurines, clay
- Climatic Optimum, 42, 45, 104
- Clupea* (herring), 116
- Coastal areas, 62, 89, 102, 105, 130
- Cognitive approach, 213–214
- Collecting systems, 14, 106, 134, 251
- Collector systems, 8, 9, 11, 64, 103, 129, 197, 248, 251, 252, 253, 255, 257
- Collector–forager continuum, *see* Forager–collector continuum
- Collector–forager Model, 7–14, 63, 64, 69, 78, 79, 106, 121, 131, 132, 238, 244, 245
- Collectors, 9–12, 15, 62, 63, 88–89, 96, 102, 198, 250, 251  
 fully sedentary, 12, 88, 89, 121, 128, 129  
 relatively sedentary, 88, 121, 127  
 seasonally sedentary, 88, 98, 102, 107, 121, 252
- Combs, 215, 220
- Complexity, 15, 16–24, 237  
 concept, 15  
 cultural, 3, 7, 15–16, 18, 25, 50, 57, 78, 132, 134, 138, 197, 200, 201, 243, 245
- in site structure, 120
- organizational (in subsistence and settlement), 15, 16, 133, 134, 197, 227, 238, 244, 250, 251, 252, 253, 255, 256
- social, 16, 24, 133, 196, 198, 212, 238, 239, 243, 244, 252, 254, 255–257, 258
- Cone shells (Conidae), *see* Conidae
- Conidae (cone shells), 233
- Cooling climate, 254–255, 260
- Cordage, 114, 214, 215, 218, 220
- Corporate work, 141, 195, 198
- Corporate-based strategies, 138, 198
- Cowrie, 233
- Craft specialists, 257
- Craft specialization, *see* Specialization, craft
- Crafts, 3, 5, 14, 134, 199, 200, 201, 237, 238, 239, 243, 252
- Crassostrea gigas* (oyster), 76, 104, 248
- Crawford, Gary, 57
- Cremation, 159, 173, 174
- Criptomeria japonica* (cedar), 236
- CRM (Cultural Resource Management), 19–23, 110, 113
- Crown-shaped artifacts, 157
- Cultigens, 14, 59, 60, 61, 69, 70–72, 118
- Cultural Resource Management, *see* CRM
- Cut leaved elm, *see* *Ulmus laciniata*
- Cyclobalanopsis*, 59
- Cypraeidae (cowrie), 233
- Daibu site (Niigata Prefecture), 220
- Daigi 10 phase, 114, 119, 120, 125, 130–131
- Deer, 58, 62, 115, 127  
 antler, 157, 177  
 middle-sized, 246  
 sika, 45, 115, 246  
 Yabe's giant, 45, 246
- Dental annuli analyses, 58, 62
- Diachronic changes, 244
- Differentiation (in site function), 16, 248, 251
- Differentiation (social), 15, 16, 119, 252, *see also* Social inequality  
 by house size, 197  
 hereditary, 15  
 horizontal, 16, 238, 257  
 occupational, 176  
 status, 196, 220  
 vertical, 16, 197, 238, 239, 254, 256–257
- Dingshishan site (Guangxi Province, China), 35

- Discorea japonica* (yam), 70  
 Distribution of resources, *see* Resource distribution  
 Diversity (assemblage), 93  
 Diversity (cultural), 17–18  
 Division of labor, 81, 83  
   gender-based, 220  
   sexual, 25, 139  
 DNA analyses, 69, 117  
 Doi, Yoshio, 85  
*Dokko*-shaped stone tools, 157, 235  
 Dowel-impressed pottery, 210  
 Drosophilidae (fruit flies), 117  
 Dwelling sites, 91, 96, 102, 107
- Earrings, 139, 142, 163  
   clay, 151, 177, 193, 235  
   jade, 182  
   pulley-shaped (clay), 157, 235, 250  
   slitted (stone), 157, 177, 183  
   talc, 251
- Ear-shaped clay artifacts, 147, 155
- Echinochloa*, 14, 59, 70  
   *crusgalli* (barnyard grass), 118  
   *utilis* (barnyard millet), 118
- Ecological anthropology, 7, 84  
 Ecological models, 7, 12, 261  
 Ecosystems, 77  
 Effective temperature (ET), 244  
 Egalitarian societies, 138, 139, 176, 243  
*Egoma*, 14, 59, 70–71  
 Ehime Prefecture, 27, 218  
 Elderberries, 116–117  
 Embiotocidae (surf perch), 116  
 End-scrappers, 29, 36  
 Engels, Friedrich, 139  
 Enokibayashi phase, 114, 119, 120, 123, 130, 253  
 Environmental changes, 42, 45, 104, 107, 261  
 Environmental crisis, 191  
 Environmental fluctuations, 245, 255, 258  
 Environmental management, 245, 254  
 Environments, 8, 12, 26, 42, 62, 63, 77, 83, 84, 88–89, 104, 105, 132, 243, 244, 249  
   equatorial or semitropical, 244  
   natural and social, 7  
   social, 24  
 ET, *see* Effective Temperature  
 Ethnographic analogies, 60, 140  
 Ethnographic studies, 73  
 Evolutionary developments, 137, 197  
 Exchange, 5, 15, 116, 119, 134, 199, 200, 201, 213, 221, 223, 224, 226, 227, 231, 232, 234, 237, 238, 239, 243, 245, 252, 254, *see also* Trade information, 213  
 Exotic goods, 130, 223  
 Exotic items, 231, 236, 237, 243  
 Exotic materials, 114, 130, 201, 221, 252
- Fabric analysis of pottery, 213  
 Fabric remains, 215  
 Fabrics, 142, 215–218, *see also* Angin;  
   Textiles  
     lacquered, *see* Lacquered fabrics  
     plain-woven, 218  
     with twisted warp, 215–217, 218  
*Fagopyrum* (buckwheat), 59, 70  
 False nettle, 215–217, 218  
 Faunal remains, 57–58, 114, 116, 247, 248  
 Fawcett, Clare, 17  
 Feasting, 72  
 Feature distribution, 85, 120  
 Feinman, Gary, 138, 198–199  
 Figurines  
   clay, 25, 83–84, 106, 114, 141, 142–155, 157, 177, 193, 250, 251, 252  
   stone, 142, 151, 157, 251
- File fish, 116  
 Fire-flame pottery, 3, 203  
 Fire pits, 68, 248, 250  
 Fishhooks, 77, 248  
 Fish spears, 230  
 Fishing, 62, 116, 139, 247  
   camps, *see* Camps, fishing  
   equipment, 77  
   estuary, 77  
   freshwater, 77  
   hunting-gathering, 14  
   intensive, 250  
   salmon, 14, 60, 247  
   seasonality, 73  
   tools, 248  
   zones, 116
- Fission track analysis, 221  
 Fitzhugh, Ben, 12, 245  
 “Flake” Association (Fureiku Dojinkai), 83  
 Flake scrapers, 177  
 Flask-shaped pit burials, *see* Burials, flask-shaped pit  
 Flask-shaped pits, 67, 159, 250  
 Flatfish, 116  
 Flathead, 248  
 Floral remains, 14, 23, 57, 59–60, 112, 114, 116, 117, 127, 128, 131, 218  
 Flotation, 59  
 Flying squirrels, 115  
 Food production, 78, 81

## 322 Index

- Food storage, *see* Storage, food  
 Forager systems, 8, 11, 102–103, 105,  
 107, 129, 197, 248, 252, 253, *see also*  
 Foraging, systems  
 Forager–collector continuum  
 (Collector–forager continuum), 133,  
 247, 253, 255  
 Forager–collector model, *see*  
 Collector–forager model  
 Forager–collector spectrum, 63  
 Foragers (as hunter–gatherers)  
 littoral, *see* Littoral foragers  
 maritime, 249  
 Foragers (as mobile hunter–gatherers  
 defined by Binford), 8–9, 12, 63,  
 88–89, 102–103, 128, 198, 244, 245,  
 249, 251, 252, 260  
 serial, 245, 249, 251  
 Foraging  
 serial, 245, 251  
 strategies, 245  
 systems, 12, 104, 105, 253, *see also*  
 Forager systems  
 radii, 96  
 zones, 8–10, 131  
 Forest–estuary ecosystems, 77  
 Forest–freshwater ecosystems, 77  
 Forest–Pacific Shelf littoral ecosystems, 77  
 Forests  
 broadleaf, 36, 44  
 chestnut, 117  
 conifer, 44  
 deciduous, 44, 117  
 luciphyllous, 45  
 Fruit flies, 117  
 Fruit wine, 117, *see also* Alcoholic beverage  
 Fuji, Norio, 45  
 Fujimori, Eiichi, 60, 106, 144, 252  
 Fujimura, Haruo, 144, 147, 155, 205  
 Fujioka Jinja site (Tochigi Prefecture), 235  
 Fukui Cave (Nagasaki Prefecture), 26,  
 27–28, 31–35, 246  
 Fukui Prefecture, 118, 215, 236  
 Fukushima Prefecture, 75, 171  
 Funakura shell-midden (Okayama  
 Prefecture), 173  
 Futagoyama site (Kumamoto Prefecture),  
 234  
 Futsuka-ichi Cave (Oita Prefecture), 172  
 G/wi San, 8  
 Game sharing, 58  
 Garden of Eden Theory, 63  
 Gasya site (Russia), 32–34  
 Gender archaeology, 24–25  
 Generalists, 63, 251  
 Genetic diversity, 117–118  
 Gifu Prefecture, 235  
 Gionbara site (Chiba Prefecture), 170  
*Glycine*  
*max* (soy bean), 118  
*soja* (wild soy bean), 118  
 Goncharuka site (Russia), 32  
 Gongenbara site (Chiba Prefecture), 170  
 Goshono sote (Iwate Prefecture), 184  
 Goto, Kazuhito, 83, 239  
 Granaries, 68  
 Granular ark, 73, 104, 248  
 Grave goods, 159, 163, 176–179, 189,  
 203, 220, 254, 256, *see also* Burial  
 goods  
 Grave pits, 110, 111, 187–188, 224, *see*  
*also* Burial pits  
 Great Basin, 119  
 Green gram, 59, 70, 118  
 Grinding stones, 77, 93, 96, 98, 99, 114,  
 125, 233, 248, 249  
 Gromatukha site (Russia), 32  
 Guangxi Province (China), 35  
 Gunma Prefecture, 86, 183, 187, 195,  
 235, 259  
*Gyobutsu* stone bars, 157  
 Habu, Junko, 12, 212, 245  
 Haji period, 46–47, 49  
 Hakone, 223  
 Hall, Mark, 212, 213  
 Hamada, Kosaku, 202  
 Hamanasuno site (Hokkaido), 118  
 Hanazumi phase  
 Lower, 179, 181  
 Hanihara, Kazuro, 52–53, 259  
 Harpoon heads, 230  
 toggle, 77  
 Harunari, Hideji, 27, 140–141, 246, 258  
 Hashimoto, Sumio, 235–236  
 Hatten site (Iwate Prefecture), 155  
 Hayashi, Kensaku, 140, 210–212  
 Hayden, Bryan, 72, 137, 138, 178  
 Hazama-higashi site (Chiba Prefecture),  
 179–181  
 Hebei Province, 35  
 Hegi Cave (Oita Prefecture), 172  
 Heian Period, 46  
 Heijo site (Ehime Prefecture), 218  
 Henan Province (China), 35  
 Herring, 116  
 Hidden Falls site (Alaska), 249  
 Higashi Kurotsuchida site (Kagoshima  
 Prefecture), 64

- Higashi-Rokugo 2 site (Hokkaido), 32  
 Higgs, Eric, 83, 257  
 Hikozaki shell-midden (Okayama Prefecture), 173  
 Hime River, 224  
 Hirohata shell-midden (Ibaraki Prefecture), 231–232  
 Historical contingency, 201  
 Historical materialism, 80–81, *see also* Marxism  
 Historically unique events, 106  
 Hodder, Ian, 17  
 Hodo site (Ibaraki Prefecture), 232  
 Hoes, 60, 99, 252  
 Hog peanuts, 118  
 Hokkaido, 5, 12, 32, 36, 40, 46, 51–52, 60, 73–75, 78, 84, 86, 118, 147, 155, 174, 176, 177, 178, 184, 185, 187–191, 210, 218, 220, 221, 227, 233, 246, 250, 256  
 Hokkaido Former Aborigines Protection Act, 52  
 Hokuriku region, 5, 47, 157, 159, 185, 203, 210, 225  
 Hokuto site (Hokkaido), 177  
 Holocene, 42, 45  
   early, 249  
   mid-, 245  
 Honshu, 5, 27, 28, 34, 36, 37, 46, 47, 51, 52, 73–75, 78, 133, 210, 230, 247, 249, 250  
*Hordeum vulgare* (barley), 59, 70  
 Horiai site (Aomori Prefecture), 166, 171  
 Horikoshi, Masayuki, 257  
 Horinouchi phase, 75, 107, 193  
 Horinouchi shell-midden (Chiba Prefecture), 73  
 Horse chestnuts, *see* Buckeyes  
 Horseshoe-shaped layout of dwellings, 80, 81, 84–85, 165, 251  
 Horseshoe-shaped shell-middens, *see* Shell-middens, horseshoe-shaped  
 Hotto site (Saitama Prefecture), 155  
 Household archaeology, 261  
 Hudson, Mark, 50, 259  
 Hunting methods, 246  
 Hunting tools, 246, 248, 252  
  
 Ibaraki Prefecture, 32, 170, 231, 232  
 Ichani site, 188  
 Ichihara, Hisafumi, 83  
 Ienomae site (Aomori Prefecture), 177  
 Ikawa-Smith, Fumiko, 25, 36, 50, 191  
 Ikeda-dera site (Osaka Prefecture), 173  
 Ikenai site (Akita Prefecture), 59  
  
 Imamura, Keiji, 7, 66–67, 70, 106, 133, 253, 254  
 Imamura, Mineo, 27, 40, 114, 127  
 Inada, Takashi, 246  
 Inano, Yusuke, 151  
 Inequality, *see* Social Inequality  
 Inner Mongolia, 35  
 Interaction spheres, 209, 212  
 Intrasite settlement patterns, 81, 83–84, 163  
 Intrasite spatial analysis, 22, 81, 83, 119  
 Intrasite spatial patterns, 79, 86, 110, 120, 140, 141  
*Inuyaya*, 236  
 Iron oxide (oxide of iron), 140, 215, 233  
 Isarago shell-midden (Tokyo), 73, 75, 76  
 Ishigami shell-midden (Saitama Prefecture), 205  
 Ishigo site (Aomori Prefecture), 218  
 Ishii, Hiroshi, 85  
 Ishikari Plain (Hokkaido), 188  
 Ishikawa Prefecture, 59, 157, 193, 194  
 Ishiyama shell-midden (Shiga Prefecture), 177  
 Isotope analyses, 58, 72, 73, 78  
 Ito, Ryuzo, 218  
 Itoigawa, 224–227  
 Ivory, 114  
   boar, 177  
 Iwate Prefecture, 144, 147, 155, 163, 184, 185, 204, 227, 230, 233, 259  
 Izawa, Kohei, 69  
 Izeki, Hirotaro, 45  
 Izu Islands, 89  
 Izumi, Seiichi, 83  
 Izumi, Takura, 223, 227, 235  
  
 Jade, 3, 114, 130, 201, 221, 223, 224–227, 233, 252  
   beads, *see* Beads, jade  
   earrings, *see* Earrings, jade  
 Japanese Archaeological Association, 25  
 Jiangxi Province (China), 35  
 Jomon boom, 24  
 Jomon calendar, 57, 61–62  
 Jomon transgression, *see* Transgression  
*Juglans*, 59, 116  
 Juno site (Saitama Prefecture), 221, 235  
 Jusanbodai phase, 179  
  
 Kagoshima Prefecture, 64, 247, 248, 250  
 Kaihata site (Iwate Prefecture), 227  
 Kainohana shell-midden (Chiba Prefecture), 257  
 Kajiwara, Hiroshi, 35

## 324 Index

- Kakinoshima B site (Hokkaido), 218, 220  
 Kakoinohara site (Kagoshima Prefecture), 68, 248  
 Kamaki, Yoshimasa, 210, 212  
 Kamegaoka culture, 151, 155, 212  
 Kamegaoka site, 259  
 Kamikuroiwa Rockshelter (Ehime Prefecture), 27, 246  
 Kamino site (Kanagawa Prefecture), 32  
 Kaminoki phase, 181  
 Kamitakatsu shell-midden, 232  
 Kamo site (Chiba Prefecture), 215, 220, 236  
 Kanagawa Prefecture, 27, 31, 32, 72, 81, 85, 86, 165, 166, 181, 223, 234, 247, 248  
 Kanayama, Yoshiaki, 223  
 Kaneko, Akihiko, 144  
 Kaneko, Hiromasa, 58, 127  
 Kanjo-dori, 174, 178, 187–191  
 Kanto Plain, 72, 73  
 Kanto region, 5, 12, 27, 40, 45, 46, 47, 60, 70, 87, 89, 104, 106, 107, 108, 133–134, 144, 147, 166, 169, 181, 185, 193, 197, 202, 203, 210, 212, 213, 223, 225, 231, 232, 233, 238, 250, 252, 253–254, 255, 259  
 Karinba No. 3 site (Hokkaido), 220  
 Kashiwagi B site (Hokkaido), 178, 188, 189  
 Kasori (shell-midden) (Chiba Prefecture), 202, 257  
 North, 73  
 South, 73, 75  
 Kasori-B phase, 75  
 Kasori-B style, 213  
 Kasori-E phase, 107, 193  
 Kasori-E style, 202  
 Kato, Katsutomo, 32, 171  
 Katsusaka phase, 107  
 Kawarada (Oita Prefecture), 172  
*Kaya*, 236  
 Kayumi Ijiri site (Mie Prefecture), 144  
 Kazahari site (Aomori Prefecture), 14  
 Keally, Charles, 40, 84  
 Keio University, 110  
*Keishiki*, 202, 212  
 Khummi site (Russia), 32  
 Kikai Caldera, 250  
 Kikuchi, Minoru, 166–167  
 Kinki region, 5, 40, 47, 51, 134, 174, 208, 210, 255, 257, 259  
 Kinsei Jinja site (Gifu Prefecture), 235  
 Kinsei site (Yamanashi Prefecture), 187, 259  
 Kinship structure, 139, 141  
 Kirigamine, 223  
 Kishinoue, Kamakichi, 57  
 Kitagawa Shell-midden (Kanagawa Prefecture), 166, 181  
 Kiusu site (Hokkaido), 188  
 Knife-shaped tools, 246  
 Kobayashi, Masashi, 214  
 Kobayashi, Tatsuo, 38, 57, 61, 84–85, 86, 251  
 Kodama, Daisei, 185  
 Kofun Period, 43, 46, 80  
 Kohl, Phillip, 17  
 Kohoku New Town area, 85, 86  
 Koike, Hiroko, 57, 58, 104  
 Koizumi, Kiyotaka, 49  
 Kojo, Yasushi, 212  
 Kokutai, 80  
 Komakino site (Aomori Prefecture), 185  
 Kondo, Yoshiro, 231, 232  
 Korean peninsula, 50, 208, 213, 258, 259  
 Korekawa Nakai site (Aomori Prefecture), 215, 221, 259  
 Kosaku site (Chiba Prefecture), 75, 170  
 Kotaki River, 224  
 Kotani, Yoshinobu, 57  
 Koyama, Shuzo, 46, 47–49, 52–53, 119–121, 134, 197, 252, 255, 259  
 Koyamadai shell-midden, 232  
 Kozu Island, 223  
 Kumamoto Prefecture, 66, 234  
 Kumori site (Gunma Prefecture), 183  
 Kunenbashi site (Iwate Prefecture), 144, 147, 155, 204, 259  
 Kuribayashi site (Nagano Prefecture), 64  
 Kuril Islands, 51  
 Kurishima, Yoshiaki, 225  
 Kurohama phase, 45, 104, 179–180, 181  
 Kuro'ō, Kazuhisa, 86  
 Kusumoto, Masasuke, 230  
*Kuzu*, 70  
 Kyoto Prefecture, 70, 236  
 Kyushu, 5, 26, 27, 36, 40, 47, 52, 68, 134, 172, 173, 174, 208, 210, 221, 246, 250, 255, 257, 259  
 northern (northwestern), 27, 51, 213, 258  
 southern, 64, 247–248, 250, 251  
 Lacquer trees, 215  
 Lacquered baskets, 215, 220, 230, 260  
 Lacquered fabrics, 220  
 Lacquered pottery, 215, 220, 230, 260  
 Lacquered shallow bowls, 177



- Lacquerware, 114, 119–120, 201,  
 214–215, 218, 233, 237, 256, 260
- Lagenaria* (bottle gourd), 14, 59, 70, 118
- Landscapes, 70, 117  
 cultural, 25, 132, 133, 179, 183, 198,  
 239, 261  
 social, 25, 239
- Lateolabrax japonicus* (sea bass), 248
- Lepus* (rabbit), 115
- Lévi Strauss, Claude, 84
- Life history, 125, 131, 132
- Limpets, *see Oh-tsutanohagai*
- Linear-appliqué pottery, *see* linear-relief  
 pottery
- Linear-relief pottery, 26, 27–28, 32, 36,  
 210, 246, 247
- Lipid analyses, 58, 163
- Lithic assemblages, 32, 34, 36, 60, 87–88,  
 89, 91, 96–102, 105, 107, 125, 129,  
 130, 131, 234, 246, 247, 248
- Lithic tools, 32, 36, 91, 93, 114, 125  
 Chojakubo type of, *see* Chojakubo type  
 of lithic tools
- Littoral foragers, 63
- Logistical mobility, *see* Mobility, logistical
- Logistical strategies, 16
- Logistical zone, 10, 131
- Long-houses, 110, 119, 123
- Looms,  
 warp-weighted, 215, 218
- Lower-Ento (phase)  
 -a phase, 114, 117, 119, 120, 123, 125,  
 127  
 -b phase, 114, 117, 119, 120, 123–128,  
 129  
 -c phase, 114, 119, 120, 123–128, 129  
 -d phase, 114, 117, 119, 120, 123–128,  
 129
- Lower-Ento culture (Early Jomon), 151
- Mackerel, 116
- Maedakochi site (Tokyo), 247
- Maeyura site (Ibaraki Prefecture), 232
- Maeyama, Kiyooki, 77
- Maizo Bunkazai Center, 21
- Mako B site (Hokkaido), 227
- Mamachi site (Hokkaido), 155
- Mammals  
 marine, 62–63  
 sea, 26, 75  
 terrestrial, 45, 62, 77, 114–115, 246,  
 248
- Manza stone circle (Oyu site), 184
- Marine mammals, *see* Mammals, marine
- Marine shells, *see* Shells, marine
- Maritime adaptation, 14, 57, 72, 249
- Marxism, 79, 139, 253, *see also* Historical  
 materialism
- Marxist approaches, 79, 243
- Marxist theories, 80, 138, 141, 243, 244
- Masks, 142, 147, 155–157
- Mask-shaped clay artifacts, 155, 157
- Matsugasaki site (Kyoto Prefecture), 70
- Matsui, Akira, 57
- Matsumoto, Naoko, 208, 213–214
- Matsushima Bay, 232
- Matsushima/Sendai Bay, 72
- Mawaki site (Ishikawa Prefecture), 59, 194
- Meiji Restoration, 52
- Meretrix lusoria* (oriental clam), 73, 76
- Micro-cores  
 wedge-shaped, 26
- Mie Prefecture, 144, 233
- Migration, 106, 259
- Miharada site (Gunma Prefecture), 86
- Mikoshiha phase, *see*  
 Mikoshiha/Chojakubo phase
- Mikoshiha projectile points, 246
- Mikoshiha site (Nagano Prefecture), 36
- Mikoshiha type of adzes, 36
- Mikoshiha/Chojakubo phase, 36, 247
- Minagawa, Masao, 72, 73, 78
- Minaki, Mutsuhiko, 117
- Minami, Hisakazu, 194
- Minamibori shell-midden (Kanagawa  
 Prefecture), 81
- Minimum number of individuals,  
*see* MNI
- Minoh site (Chiba Prefecture), 193
- Misawa 1 site, 188
- Misawa, Akira (Seiichi Wajima), 80
- Mississippian mounds, 119
- Miura Peninsula, 248
- Miyagi Prefecture, 215, 230, 232
- Miyamoto-dai site (Chiba Prefecture),  
 170–171
- Miyata, Eiji, 248
- Miyataki site (Nara Prefecture), 173
- Mizuno, Masayoshi, 83–84, 140
- MNI (Minimum number of individuals),  
 115
- Mobility  
 logistical, 63, 245, 249  
 patterns, 12, 62  
 residential, 8, 11, 63, 69, 131, 249, 257,  
 261, *see also* Residential moves
- Monacanthidae (file fish), 116
- Montelius, Oscar, 202
- Monumental features, 138, 141, 159, 174,  
 182, 193, 198



## 326 Index

- Monzen site (Iwate Prefecture), 185  
 Morgan, Lewis, 139  
 Morikawa, Masakazu, 235, 236  
 Morimoto, Iwataro, 171  
 Morizoe site (Mie Prefecture), 233  
 Moroiso (phase), 87, 89–91, 96, 102, 104, 107–108, 133, 179, 181, 183  
   -a (subphase), 89, 102, 104, 105, 179, 180, 181  
   -b (subphase), 89, 102, 104, 105, 179, 180, 181  
   -c (subphase), 89, 102–103, 104, 105, 106, 107, 133, 179, 181–182  
 Moroiso (style) pottery, 89, 106, 202, 203, 212  
 Morris, Ian, 178  
 Mortuary (and ceremonial) practices, 134, 137–141, 142, 176, 179, 195–198, 243, 252  
*Morus* (mulberry), 116  
 Motokariya shell-midden (Aichi Prefecture), 172  
 Mouth-shaped clay artifacts, 155  
*Mugil cephalus* (mullet), 248  
 Mukodai, 166  
*Mukumoki*, 236  
 Mulberries, 116–117  
 Mullet, 248  
 Mumun (Korea)  
   culture, 258  
   people, 259  
   pottery, 208, 213  
 Murakoshi, Kiyoshi, 151  
 Muto, Yasuhiro, 40  
  
 Nagamine, Mitsukazu, 142  
 Nagano Prefecture, 36, 64, 80, 83, 174, 181, 182, 184, 221, 223  
 Nagasaki Prefecture, 26, 27  
 Nakagoshi phase, 181  
 Nakajima, Hiroaki, 76  
 Nakamura Nakadaira site (Nagano Prefecture), 174  
 Nakamura, Oki, 176, 178–179, 189, 196, 254, 256  
 Nakamura, Toshio, 40  
 Nakano B site (Hokkaido), 86, 118, 250  
 Nakanoya Matsubara site (Gunma Prefecture), 86  
 Nakazato shell-midden (Tokyo), 75–77, 236  
 Nakazuma shell-midden (Ibaki Prefecture), 170  
 Nanbori shell-midden (Kanagawa Prefecture), 81, 165, 251  
  
 Nanzhuangtou site (Hebei Province, China), 35  
 Naora, Nobuo, 58  
 Nara period, 46  
 Nara Prefecture, 173  
 Nashinokizuka site (Akita Prefecture), 67  
 National polity, 80  
 Natsushima shell-midden (Kanagawa Prefecture), 72, 248, 249  
 Naumann's elephants, 45, 246  
 Needles, 248  
 Neolithic culture, 243  
 Nerliq (Alaska), 130  
 Net sinkers, 77, 93, 125, 250  
 Network strategies, 198–199  
 Neutron activation analyses, 221, 223  
 Nigade shell-midden (Miyagi Prefecture), 232  
 Niigata Prefecture, 27, 173, 194, 215, 220, 224, 225, 227, 230, 235, 247, 259  
 Nishida site (Iwate Prefecture), 163, 165  
 Nishida, Masaki, 59  
 Nishimoto, Toyohiro, 114, 115, 116, 127, 170  
 Nishimura, Masae, 140  
 Nishinojo shell-midden (Chiba Prefecture), 72  
 Nishizakiyama site, 185  
 Niwa, Yuichi, 84  
 Nomura, Takashi, 153  
 Nonakado stone circle (Oyu site), 184  
 Nondwelling sites, 89–91, 96, 102–103  
 Non-exotic goods, 221  
 Non-utilitarian artifacts, 141  
 Non-utilitarian pots, 208  
 Northwest Coast (of North America), 119, 121, 132, 176, 197, 244  
 Nose-shaped clay artifacts, 147, 155  
 Nunamiut, 10, 12, 129–130  
 Nut storage, *see* Storage, of nuts  
 Nut-bearing trees  
   artificial management of, 69  
 Nut-processing special-purpose sites, *see* Special-purpose sites, nut-processing  
 Nuts, 45, 59, 62, 64–69, 70, 78, 118, *see also* Acorns; Buckeyes; Chestnuts; Walnuts  
   abundance of, 116  
   processing, 99  
   reliance on, 70, 253  
   storage of, *see* Storage, of nuts  
  
 Oak, 69, 250  
 Oba, Iwao, 182

- Obsidian, 3, 114, 130, 201, 221–224, 233, 238  
 hydration analyses, 221  
 Oda, Shizuo, 221  
 Odai Yamamoto I site (Aomori Prefecture), 28–34, 35–36, 37, 42, 246, 247  
 Ohtsuka, Kazuyoshi, 140, 155–157  
*Oh-tsutanohagai*, 233  
 Oi River, 83  
 Oita Prefecture, 172  
 Okada, Yasuhiro, 114, 119, 120, 121, 123, 128, 130, 254  
 Okamoto, Isamu, 138–140, 243  
 Okayama Prefecture, 139, 173  
 Okuno, Mitsuru, 40  
 Okunonita site (Tanegashima Is., Kagoshima Prefecture), 248  
 Older Dryas, 42  
 Oldest Dryas, 42  
 Omoto, Keiichi, 50  
 On Your Knees Cave (Alaska), 249  
 Ondashi site (Yamagata Prefecture), 220, 221  
 Onga site (Gunma Prefecture), 235  
 Ongagawa style pottery, 212  
 On'ido site (Niigata Prefecture), 235  
 Onizuka site (Osaka Prefecture), 173  
 Ono, Miyoko, 144  
 Organic artifacts, 142  
 Organic remains, 67, 113, 114, 218  
 Organization  
 of labor, 16, 138, 140, 141  
 social, *see* Social organization  
 Organizational complexity (in subsistence and settlement), *see* Complexity, organizational  
 Oriental clam, 73, 76  
 Ornaments, 93, 114, 125, 139, 140, 141, 142, 157, 159, 163, 176, 177, 189, *see also* Beads; Bracelets; Earrings; Pendants  
 amber, *see* Amber, ornaments  
*Oryza sativa* (rice), 14, 59, 71  
 Osaka Furitsu Yayoi Bunka Hakubutsu-kan, 142  
 Osaka Prefecture, 155, 173  
*Oshigata-mon* pottery, 210  
 Otamadai phase, 193  
 Otani, Toshizo, 189  
 Otoe (site), 185  
 Minami, 188  
 Oumi River, 224  
 Oxide of iron, *see* Iron oxide  
 Oysters, 76, 104, 248  
 Oyu site (Akita Prefecture), 141, 184  
 Ozaki site (Kanagawa Prefecture), 234  
 Ozeki, Kiyoko, 215–218  
 Paddles, 236  
 Palaeoethnobotany, 59  
 Palaeolithic culture, 29  
 Palaeolithic period, 3, 35, 36, 221, 245–247  
*Palaeoloxodon naumanni* (Naumann's elephant), 45, 246  
*Patella flexuosa optima* (limpets), 233  
 Pebble tools, 93, 125, 249  
 Pendants, 177  
 ivory, 177  
 shell, 233  
 stone, 235  
 waist, 139, 157, 177  
*Perilla frutescens* (*egoma* or shiso mint), 14, 59  
 Perishable artifacts, 218, 220, 221, 237, 256  
*Petaurista leucogenys* (flying squirrels), 115  
 Petrological analyses, 203, 212–213  
 Phallic stones, 83, 84, 151  
 Plant cultivation hypothesis, 57, 60, 254  
 Plant food  
 collecting, 62, 247  
 storage, *see* Storage, plant food  
 Plant management, 218, *see also* Environmental management  
 Plant roots, 70, 99, 106, 252  
*Platycephalus indicus* (flathead), 248  
 Pleistocene, 35, 36, 42, 45, 50, 245  
 Pleuronectidae (flatfish), 116  
 Points  
 bifacial, 36, 246  
 projectile, 77, 221, 246  
 tanged bifacial, 36, 246, 247  
 Poison oak, 215, 220  
 Polanyi, Karl, 223  
 Polished stone axes, *see* Axes, polished stone  
 Political elites, 200  
 Political hierarchy, 16  
 Political models, 200  
 Political organizations, 200, 257  
 Political systems, 200  
 Pollen analyses, 42, 117  
 Population  
 density, 14, 15, 46, 63, 132, 133, 197, 245  
 estimates, 26, 46, 47–50, 53, 134, 252, 255, 259, 260  
 increases, 49, 50, 53, 80, 243  
 movements, 105–106, 253, 254  
 pressure, 50, 106, 133, 137, 245

## 328 Index

- Post-marital residence, 140–141  
 Postprocessual archaeologists, 137  
 Postprocessual archaeology, 17, 200  
 Pottery  
   burnished, 208  
   coarsely made, 202, 203, 205, 208  
   finely made, 202, 203, 205, 208, 213, 256  
   lacquered, *see* Lacquered pottery  
   lamp-shaped, 203, 204  
   plain, 29, 32, 208, 246, 247  
   styles, 106, 212, 213, *see also* *Keishiki*  
   unburnished, 208  
 Prestige  
   economy, 176  
   items, 72, 176  
 Prince of Wales Island, 249  
 Processual archaeologists, 137, 200  
 Processual archaeology, 200, 201  
 Production  
   forces of, 243, 253  
 Protein, 73–75  
*Peridium aquilinum* (bracken), 70  
*Pueraria lobata* (starchy vine), 70  
 Pulley-shaped ear spools, *see* Earrings, pulley-shaped  
  
*Quercus* (oak), 59, 64, *see also* Acorns  
  
 Rabbits, 115  
 Radiocarbon dates, 26–40, 114, 128, 246, 249, 255, 260, *see also* AMS; <sup>14</sup>C dates  
 Radiocarbon dating, 37, 40  
   technique, 37  
   technology, 37  
 Raised-floor buildings, 68, 111, 112, 128, 165, 218  
 Raised-floor store houses, 119  
 Raspberries, 116  
 Religious beliefs, 62  
 Rescue excavations, 3–4, 19–23, 79, *see also* Salvage excavations  
 Residential bases, 8–12, 49, 63, 88–89, 91, 98–102, 106, 121, 127–129, 131, 132, 182, 257, 261  
 Residential features, 151, 181, 191, 259  
 Residential groups, 77, 88, 100  
 Residential mobility, *see* Mobility, residential  
 Residential moves, 8–9, 102  
 Residential sites, 88, 181, 182  
 Resource concentrations, 88  
 Resource distribution, 7–8, 63, 88–89, 103–104, 105, 238  
  
*Rhus verniciflua* (urushi), *search* *Rhus japonica*, 215  
 Rice, 14, 59, 71, 78, 117, 214  
   agriculture, 78  
   cooking, 214  
   cultivation, 27, 50, 258  
   paddy field, 230, 258  
*r*-selected species, 249–250  
*Rubus* (raspberry), 116  
 Russia, 36  
 Russian Far East, 32  
 Ryukyu Islands, 51, 233  
  
 Saga Prefecture, 64  
 Sagawa, Masatoshi, 35  
 Sahara, Makoto, 205, 258  
 Saibana phase, 114, 119, 120, 125, 130, 253  
 Saitama Prefecture, 64, 155, 205, 221, 223, 234, 235  
 Saito, Sachie, 223  
 Saitou, Naruya, 50  
 Sakai A site (Toyama Prefecture), 225, 234, *search* Sakai-A  
 Sakanoshita site (Saga Prefecture), 64  
 Sakatsume, Nakao, 58, 59, 69, 72  
 Sakhalin, 44, 51  
 Sakuramachi site (Toyama Prefecture), 218, 235  
 Salmon  
   bones, 60  
   fishing, *see* Fishing, salmon  
   hypothesis, 57, 60  
   remains, 60, 247  
 Salt, 201, 221–233, 238, 256  
 Salvage excavations, 23, 75, 79, 86, 89, 110, 179, 181, *see also* Rescue excavations  
*Sambucus* (elderberry), 116  
 Sanganji site (Fukushima Prefecture), 75, 171  
 Sannai Maruyama site (Aomori Prefecture), 40, 59, 69, 86, 108–132, 133, 144, 147, 165, 169, 185, 195, 213, 218, 224, 233, 251, 253, 255, 257  
 Sanno-gakoi site (Miyagi Prefecture), 215  
 Sannomaru site (Kanagawa Prefecture), 86  
 Sanriku Coast, 72  
 Sato, Hiroyuki, 247  
 Sato, Tatsuo, 37  
 Sato, Yo-ichiro, 117  
 Satohama shell-midden (Miyagi Prefecture), 232  
 Scanning Electron Microscopes, *see* SEM

- Scomber* (mackerel), 116  
 Scorpaenidae (scorpion fish), 116  
 Scrapers, *see* End-scrapers; Flake scrapers; Stemmed scrapers  
 Sea bass, 248  
 Sea levels, 45–46, 104, 250  
 Sea transgression, *see* Transgression  
 Seasonality  
   fishing, 73, 116  
   occupational, 248, 253  
   of site occupation, 127, 131  
   of subsistence activity, 62  
   studies, 58, 62, 73  
 Sedentism, 15, 63, 78  
   assumption of Jomon, 85, 86, 108, 243, 260, 261  
   degree of, 49, 63, 80, 85, 110, 132–133, 220, 243  
   development of, 14, 78  
   full, 85, 86, 119, 121, 132, 133, 198, 220, *see also* Collectors, fully sedentary  
   increasing, 80, 197  
   long-term, 179  
   seasonal, 220  
*Seiryuto*-shaped stone tools, 157  
 Sekiyama phase (Early Jomon), 179, 181  
 SEM (Scanning Electron Microscopes), 59  
 Semi-circular chipped stone tools, 125  
 Sengo site (Nagano Prefecture), 184  
 Senpukuji Cave (Nagasaki Prefecture), 27–28  
 Serial specialists, 245, 249, *see also* Foragers, serial; Foraging, serial  
*Seriola* (yellow tail), 116  
 Serizawa, Chosuke, 46  
 Seto Inland Sea, 43  
 Settlement archaeology, 14, 22, 78, 79, 81, 84  
 Settlement patterns, 4, 8, 10, 12, 14, 78, 79–87, 88, 102, 105–106, 107, 108, 131, 133, 198, 259, 261  
   intrasite, *see* Intrasite settlement patterns  
 Settlement size, 85, 86, 106, 128, 133, 238, 256  
 Settlement studies, 79, 81, 84, 85, 86, 107  
 Settlement systems, 86–87, 96, 106, 108, 121, 182, 198, 220, 238, 247, 259, *see also* Subsistence-settlement systems  
 Shanks, Michael, 17  
 Sharks, 116, 177, 233  
 Shell beads, *see* Beads, shell  
 Shell bracelets, 139, 157–159, 177, 189  
 Shellfish, 69, 73–77, 105, 139, 233, 239, 249, 250  
   dried, 239  
   caloric contribution of, 73  
   caloric intake from, 73  
   collecting, 62, *see also* Camps, shellfish-collecting  
   resources, 105  
   species, 73  
 Shell-incised pottery, 210  
 Shell-middens, 40, 68, 72–77, 86, 104–105, 134, 163, 166, 185, 193, 197, 232, 239, 249, 255, 257  
   appearance of, 248  
   horseshoe-shaped, 73, 75, 255  
   ring-shaped, 73, 255  
 Shuen Kurisawa site, 188  
 Shells, 40, 163, 166, 177, 233, *see also* cone shells; cowrie; limpets; granular ark; oysters  
   clam, 58, *see also* Oriental clam  
   exotic, 233  
   fragments, 35  
   daily growth line analyses of, 58, 73  
   marine, 26, 40, 233  
   southern, 233  
 Shidanai site (Iwate Prefecture), 155  
 Shiga Prefecture, 59, 64, 77, 118, 177, 235  
 Shigasato site (Shiga Prefecture), 235  
 Shikoku, 5, 27, 36, 40, 47, 51, 52, 134, 172, 174, 208, 210, 247, 250, 255, 257, 259  
 Shikotan Island, 52  
 Shimomouchi site (Nagano Prefecture), 36–37  
 Shinnaya site (Aomori Prefecture), 177  
 Shinshu, 223  
 Shiraishi, Hiroyuki, 247  
 Shiso mint, 14, 59, 70–71  
 Shizuoka Prefecture, 83, 223  
 Shomyoji phase, 75, 193  
 Shoshones, 119  
*Simomegaceros yabei* (Yabe's giant deer), 45, 246  
 Site catchment  
   analysis, 83  
   model, 84  
 Site density, 70, 133–134, 197, 238, 252, 255–256, 257–258, 259  
 Site distribution, 89, 105  
   maps, 46, 89  
   patterns, 88, 107  
 Site function, 16, 58, 85, 123, 125, 130, 131–132, 181, 248  
 Site size, 47, 60, 70, 85, 87–89, 91, 96, 98, 100, 105, 107, 110, 121, 129, 130, 131, 197, 226, 256, 258  
 Site typology, *see* Typology, site

## 330 Index

- Skeletal remains, 50, 139, 159–163, 165, 166, 170, 171, 173, 177, 182  
 burnt, 173–174, 185  
 cremated, 173  
 infant, 166  
 of a child, 167  
 Sobata site (Kumamoto Prefecture), 66  
 Social alliance, 245  
 Social complexity, *see* Complexity, social  
 Social contexts of Jomon archaeology, 16–25  
 Social differentiation, *see* Differentiation (social)  
 Social evolution, 16  
 Social inequality, 15, 16, 137–138, 176–178, 196, 197–199, 200, 220, 227, 238, 244, 254, *see also* Differentiation (social)  
 Social organization, 62, 137, 139  
 Social relations, 245  
 Social rules, 80, 139, 140  
 Social status, 137, 176, 189  
 Social stratification, *see* Stratification (social)  
 Social structure, 81, 83, 84, 138  
 Sociopolitical contexts (of Jomon archaeology), *see* Social contexts of Jomon archaeology  
 Soffer, Olga, 78  
 Sojiyama site (Kagoshima Prefecture), 248  
 Soya phase (Late Jomon), 75  
 Soya Strait, 43  
 Special purpose camps, *see* Camps, special-purpose  
 Special purpose sites, 127, 131, 134  
 nut-processing, 218  
 Specialists (craft), 220, 257  
 Specialists (subsistence strategies), 63, 251, 255  
 serial, *see* Serial specialists  
 Specialization  
 craft, 200, 257, 261  
 production, 200–201, 234, 235, 238, 239  
 Specially organized task groups, 63  
 Spencer, Robert, 129–130  
 Staple food, 14, 60, 70, 77, 78, 249  
 Starchy flour, 70  
 Starchy vine (*kuzu*), 70  
 Status  
 ascribed, 197  
 differentiation, *see* Differentiation, status  
 social, *see* Social status  
 symbols, 179  
 Stone axes, *see* Axes  
 Stemmed scrapers, 77, 93, 114, 125, 177, 183  
 Stone circles, 141, 174, 182–185, 187, 191, 256  
 Stone markers, 165, 181  
 Stone mortars, 77, 93, 114, 125, 233, 248, 249  
 Stone rods, 25, 83–84, 141, 142, 151–155, 157, 177, 189, 193, 235, 252  
 production site of, 235  
 unfinished, 235  
 Stone swords, 142, 144, 151–155, 157, 177, 193  
 Storage  
 food, 8, 10, 14, 15, 16, 57, 64, 68, 249, 251  
 of nuts, 64, 67, 69, 78  
 of long use-life products, 78  
 of meat and fish, 68–69  
 pits, 64–70, 78, 85, 128, 159, 165, 249, 250, 251, 253  
 plant food, 68  
 techniques, 251  
 Store houses, 68, 119  
 Stratification (social), 16, 81, 132, 137, 138, 140, 176, 189, 196–197, 239, 256  
 Stuiiver, Minze, 27  
 Style (pottery), *see* Pottery, styles; *Keishiki*  
 Style zones (pottery), 203, 209–212, 213, 237  
 Subsistence strategies, 10, 14, 15, 50, 60, 63, 64, 69, 77, 78, 84, 85, 102, 121, 128, 131, 245, 247, 249, 255, 257, 261  
 Subsistence systems, 62, 64, 77, *see also* Subsistence–settlement systems  
 Subsistence–settlement systems, 8, 11–12, 14, 16, 70, 88, 106, 107, 125, 127, 129, 131, 133, 197, 238, 244, 245, 248, 252, 254, 255, 258, 259, 260, *see also* Settlement systems; Subsistence systems  
 Suehiro site, 188  
 Surf perch, 116  
 Surplus, 243, 257  
*Sus Scrofa* (wild boar), 45, 115, 246  
 Suzuki, Jiro, 234  
 Suzuki, Kimio, 73–75, 215  
 Sword-shaped artifacts, 215  
 Tablets  
 stone and clay, 151, 157, 177, 235  
 triangular clay and stone, 157  
 Takahashi, Ryuzaburo, 171

- Takisato 33 site (Hokkaido), 233  
 Tama New Town area, 84, 86  
 Tamped-down-earth-pathways, 165  
 Tanegashima, 247–248  
 Taniguchi, Yasuhiro, 29, 36  
 Tanzawa Mountains (Kanagawa Prefecture), 234  
 Tareumiut, 129–130  
 Tateishi site (Iwate Prefecture), 147, 155  
 Tazawa Cave (Niigata Prefecture), 27, 246  
*Tegillarca granosa* (granular ark), 73, 104, 248  
 Tents, 129–130, 260  
 Teraji site (Niigata Prefecture), 173, 185, 194, 225, 259  
 Terano-higashi site (Tochigi Prefecture), 155, 191, 193  
 Terao site (Kanagawa Prefecture), 31  
 Terasaka site (Saitama Prefecture), 234  
 Territory  
   fixed, 102  
   group, 81–83  
   hunting-gathering, 83, 257  
   of Japan, 5  
   of settlement, 257  
 Tetraodontidae (blowfish), 116  
 Textile impressions, 215  
 Textiles, 114, 201, 214, 215, 218–220, *see also Angin*; Fabrics  
*Thunnus thynnus* (tuna), 248  
 Tilley, Christopher, 17  
 Tochigi Prefecture, 155, 191, 235  
 Togariishi site (Nagano Prefecture), 80  
 Toggle harpoon heads, *see* Harpoon heads, toggle  
 Tohoku region, 5, 27, 40, 47, 72, 108, 133, 134, 140, 144, 147, 151, 155, 157, 159, 166, 169, 171, 174, 176, 178, 184, 185, 191, 210, 212, 213, 230, 231, 232, 233, 250, 252, 253, 254, 255, 256, 259, 260  
 Toi shell-midden (Hokkaido), 233  
 Toizumi, Gakuji, 115–116, 127  
 Tokai region, 5, 40, 47, 171, 210  
 Tokugawa Shogunate, 52  
 Tokyo, 75, 76, 84, 89, 96, 102, 223, 235, 236  
 Tokyo Bay area, 72  
   east(ern), 73, 134, 238, 249, 255, 256, 257  
   west(ern), 73, 248  
 Toma, Seita, 83  
 Tominosawa site (Aomori Prefecture), 118, 124, 253  
 Tooth deformation, 141  
 Tooth extraction, 140–141  
 Torihama Shell-midden (Fukui Prefecture), 59, 118, 215, 218, 220, 235, 236  
*Torreya nucifera* (*kaya*), 236  
 Towers (at Sannai Maruyama), 112  
 Toyama Prefecture, 177, 218, 225, 234, 235  
 Toyozaki B, 227  
 Tozawa, Mitsunori, 72  
 Trade, 3, 116, 119, 130, 199, 200, 201, 221, 223, 224, 226, 227, 232, 233, 238, 245, 252, 257, 261, *see also* Exchange centers, 129–130, 223, 226–227 fair, 130  
 Trading centers, *see* Trade, centers  
 Transgression, 45, 104  
 Transportation, 193, 201, 236  
   asphalt, 227  
   long-distance, 199  
   methods, 236  
 Triangular-prism shaped clay and stone artifacts, 157  
 Trigger, Bruce, 17  
 Tsuboi, Kiyotari, 243  
 Tsuji, Seiichiro, 40, 117  
 Tsukada, Matsuo, 42–43  
 Tsukamoto, Moroya, 67  
 Tsukigi site (Akita Prefecture), 230  
 Tsukumo Shell-midden (Okayama Prefecture), 139  
 Tsurumi River, 104  
 Tuluquumiut, 85  
 Tuna, 248  
 Types  
   pottery, *see* *Keishiki* site, 70, 93, 98  
 Typological chronology, 36, 37, 89, 121, 200, 202  
 Typological classification, 58, 122, 209  
 Typology  
   site, 85, 93  
   pottery, 37, 202  
 Ubayama shell-midden (Chiba Prefecture), 80, 140  
 Ueki, Hiroshi, 142  
 Uenohara No. 3 site (Kagoshima Prefecture), 250  
 Uenohara No. 4 site (Kagoshima Prefecture), 250  
*Ulmus laciniata* (cut leaved elm), 217  
 Unilinear cultural evolution, 16, 132, 134, 140, 200–201, 261

- Upper-Ento (phase)  
 -a phase, 114, 119, 120, 125, 128–129, 253  
 -b phase, 114, 119, 120, 125, 128–129  
 -c phase, 114, 119, 120, 123, 125, 128–129, 253  
 -d phase, 114, 119, 120, 123, 125, 129–130, 253  
 -e phase, 114, 117, 119, 120, 123–124, 125, 129–130, 253
- Uranyu site (Kyoto Prefecture), 236  
 Urayama Jizo site (Toyama Prefecture), 177  
 Urushi, 215, 220  
 Use-wear analysis, 214  
 Ushiishi site (Yamanashi Prefecture), 183  
 Ushirono site (Ibaraki Prefecture), 32  
 Ust'Karenga site (Russia), 32  
 Usujiri B site (Hokkaido), 118
- Vessel form, 203–208  
*Vigna radiata* (green gram), 59, 70  
 Vita-Finzi, Claudio, 83, 257  
*Vitis* (wild grape), 116  
 Volcanic ash, 250  
 Volcanic eruption, 250  
 Volcanic glass, 221
- Wada Pass, 223  
 Waist pendants, *see* Pendants, waist  
 Wajima, Seiichi, 79–81, 83, 85, 86, 107, 139, 165  
*Wajin*, 51–52  
 Walnuts, 59, 64, 66, 116–118, 218  
 Wannian site (Jiangxi Province, China), 35  
 Wappara site (Nagano Prefecture), 182–183  
*Warabi*, 70  
 Warashina, Tetsuo, 221  
 Warfare, 197, 245  
 Watanabe, Hitoshi, 84, 176  
 Watanabe, Makoto, 59  
 Watanabe, Yoshimichi, 80  
 Waterlogged condition, 193  
 Waterlogged middens, 112, 114, 117, 120, 127, 128, 218  
 Waterlogged sites, 59, 142, 214, 215, 218, 235, 236, 259
- Water-screening, 58, 59  
 Wild grapes, 116  
 Wood containers, 114, 235  
 Wood-working, 201, 214, 235–236
- Xianren Cave (Xianrendong) (Jiangxi Province, China), 35  
 X-ray fluorescence (XRF) analyses, 212–213, 221, 223, 224
- Yabutsuru-azuki*, 118  
 Yakushima site (Aomori Prefecture), 171  
 Yamada, Masahisa, 235  
 Yamagata Prefecture, 59, 220, 221, 230  
 Yamanaka, Shinsuke, 117  
 Yamanashi Prefecture, 183, 187, 224, 259  
 Yamanotoge site (Aomori Prefecture), 166  
 Yamanouchi, Sugao, 32, 37, 46, 49, 60, 202  
 Yasuda, Yoshinori, 117  
 Yayoi culture, 50, 258  
 Yayoi period, 3, 27, 43, 47, 50–51, 52–53, 68, 78, 80, 212, 214, 230, 243, 258–260  
 Yayoi pottery, 209, 212, 214  
 Yayoi Bunka Hakubutsu-kan, *see* Osaka Furitsu Yayoi Bunka Hakubutsu-kan  
 Yaze site (Gunma Prefecture), 187, 195, 259  
 Yellow River, 35  
 Yellow tail, 116  
 Yokoi Takenoyama site (Kagoshima Prefecture), 247  
 Yonaizumi site (Ishikawa Prefecture), 194  
 Yoriito-mon phase, 248  
 Yoshida, Kunio, 40  
 Yoshigo shell-midden (Aichi Prefecture), 139  
 Yoshikawa, Masanobu, 117  
 Yoshizaki, Masakazu, 118  
 Yosukeone site (Nagano Prefecture), 83  
 Younger Dryas, 42  
 Yuchandong site (Hunan Province, China), 35  
 Yujiagou site (Hunan Province, China), 35  
 Yuri site (Fukui Prefecture), 236
- Zackenfeilung*, 141  
 Zooarchaeology, 58, 59