

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)*Index*

- Abang Minko 491  
 Abéké rock shelter 491  
 Abu Hureyra 136, 222  
 Ache (Paraguay) 102  
 achira (*Canna edulis*) 518  
 acorn 319, 326, 367, 522  
 Adler, Daniel 224  
 aDNA *see* ancient DNA  
 Adrar Bous (Ténéré desert) 474  
 adzuki bean 361, 367  
 Aegean 143  
 Afar 172  
 Africa  
   agricultural origins in 20–1  
   cereals 477  
   crop cultivation 78–9, 479, 489  
   domestic livestock 492–4  
   herding and farming 477–8, 492–6  
   Iron Age 490  
   Late Stone Age (LSA) 474, 479, 482–3, 487, 489, 490, 491, 492, 494  
   linguistic history 55, 59–79  
   nomadism 173–4  
   Pastoral Neolithic phase 479–80  
   population movement 472–3  
   pottery 476, 479, 487–9, 490, 494–6, 503–4, 510–11  
   rain forest cultivation 489–92  
   spread of agriculture 51–3, 472–3  
     dispersal from 30 *see also* West Africa *and* Sahel  
 African rice (*Oryza glaberrima*) 483, 484  
   *see also* rice  
 age, importance placed on 143–4  
 agriculture  
   definition 1–2, 94  
   theories on the emergence of 216–19  
   transitions 104–5, 146, 270–3, 457–9, 539  
 Agta 102  
 Aguadulce 518  
 'Ain Ghazal 15, 213, 228  
   architecture 229, 248–52, 256–60  
   burials and social status 252–4  
   changing environment 246–7  
   chronology 243  
   East Field 245  
   human statues 231, 232, 254–6  
   size and setting 243–5  
   social organization 247–56  
 Aiterhofen (Bavaria) 596  
 Akkermans, Peter 12, 238  
 Akonéte 491  
 Akumbu 512  
 Albright, William Foxwell 187  
 alcohol 25, 83, 221  
 Ali Kosh 5, 298, 301  
 almond 83  
 alpaca 162  
 Alpine foreland 586  
   architecture 570–1  
   gardens 580  
   mixed cattle farming 168  
   settlements 162, 561  
 Alps 141, 574  
 Alsónyék-Bátaszék 557, 568  
 Ama 367  
*Amaranthus* spp. 350  
 Amazon basin 515  
   agricultural practices 535  
 Amblard-Pison, Sylvie 506, 510  
 Americas 22  
   agroforestry 532  
   animal domestication 162  
   climate change 521–2  
   companion planting 532  
   crop rotation 532  
   domestication of landscapes 528–35  
   following 532

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- fire and forest clearance 528, 530
- geography of domestication 514–18
- history of domestication 518–23
- managed forests 529
- mixed cropping 532
- raised fields (*chinampas*) 534–5
- sequential planting 532
- terraces 533–4
- Valdivia period 524–6
- water management 528, 532–3
- zonation 532
- see also* Mesoamerica; North America; South America
- Ammerman, Albert J. 26
- Amsa-dong 148
- An Son 421–2
- anaemia 111, 120–1, 605
- Anatolia 236
  - dairy farming 169
  - human origins 37, 42
- ancient DNA (aDNA) 9, 40–8, 99, 101, 122
  - horse 13–14
  - and lactase persistence gene 171
  - pig 20
- Andarayan (Taiwan) 428
- Andean highlands
  - irrigation 533
  - raised fields 534
- Andhra Pradesh 282
- Andronovo culture 181–2, 183
- animal(s)
  - animal traction 582
  - changing relations 378–9
  - China 330
  - disease transmission 114
  - domestication 2, 7–8, 161, 162, 164–5, 263, 270
  - hunting of wild 206, 578
  - husbandry 111, 220, 378, 581
  - iconic significance 132
  - Japan 382
  - ownership and prestige 141
  - patterns of slaughter 167, 182
  - pottery 441–2
  - remains and environmental change 246–7
  - representations 230–1
  - sacrifice of 181–2, 584
  - spread of 16, 432–9
  - vocabularies for 62–4, 67–71, 76, 80–1, 89
  - wild:
    - Brześć Kujawski 605
    - Mehrgarh period 1 293, 299–301
    - northwestern South Asia 269–70
    - remains of wild 573–4
    - zooarchaeological methods 167–9 *see also* livestock; *and under names of individual species*
- Anyang 313
  - oracle bones 18, 332
- Aota (Niigata prefecture) 362
- apricot 330, 367
- Arbon Bleiche 3, 141, 571, 576
  - houses 573–4
- archaeobotany 67, 78
  - flotation system 314–15, 332, 336, 338, 349–50, 361
- archaeogenetics 9–10, 26–7
  - ancient Europeans 40–8
  - contemporary Europeans 31–40
  - phylogeographic approach 26–31
  - see also* ancient DNA; mitochondrial DNA
- architecture
  - Alpine Foreland 570–1
  - Japan:
    - middle Yayoi 368–9
    - late Yayoi 372
  - Near East:
    - Natufian 131, 222
    - Pre-Neolithic 228–9
    - Pre-Pottery Neolithic A (PPNA) 131–4, 222–4, 234
    - Pre-Pottery Neolithic B (PPNB) 224–8, 248–52, 256–60
    - Pre-Pottery Neolithic C (PPNC) 228, 250–2
  - public buildings 152–3
  - South Asia:
    - Mesolithic 276
    - Neolithic 81, 275, 293
    - Tichitt, drystone 506, 509
    - Xinglonggou 343–9 *see also* houses
- Arizona 154–6
- Arkaim settlement 181
- Armelagos, George G. 105, 119
- arrowroot 329, 518
- artefacts *see* tools and artefacts
- Asa Koma 477, 478
- ashmounds 282–4
- Asmara (Eritrea) 479
- Asouti, E. 240
- Assefa, Shiferaw 77
- asthma 104
- Astragalus* sp. 350
- Atbasar 177
- Athens 201
- Atlit-Yam (Israel) 220

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- auroch 179  
 Australia 431  
 Avise, John 27  
 avocado 518  
 Ayako, Shibutani 362
- Babb, Jeff 119  
 Baden culture cemetery (Budakalász) 586  
 badger 573  
 Baida 418  
 Baijia-Dadiwan culture 336  
 Baiyinchanghan (Linxi) 336, 342  
 Bajpur 279  
 Balandino 181  
 Balaesque, Patricia et al. 37  
 Balatonszárszó-Kis-erdei-dülő 557  
 Balkans  
   dairy farming methods 170  
   goldwork 139–41  
 Balsas teosinte 514–15  
 Baluchistan 272  
 Bambara groundnut (*Vigna subterranea*)  
   483, 491  
 Bambata Cave (Zimbabwe) 493  
 bamboo 19, 406, 416  
 Ban Chiang 423, 425  
 Ban Lum Khao 425  
 Ban Na Di 422  
 Ban Non Wat 423, 425–6  
 Banabasa 279  
 bananas 19, 81, 329, 416, 419  
   cultivation (New Guinea) 417, 445, 458,  
     462–3, 468  
   domestication 24, 417  
   words for 80–1  
 Bangladesh  
   copper 307  
   flint 307  
   rice 280–1  
 Bani River 205  
 Banning, Edward B. 224  
 Bannu basin 267  
 baobab tree (*Adansonia digitata*) 483, 489  
 Baoulé cattle 485  
 Barbujani, Guido 34  
 barley  
   domesticated:  
     Central Europe 605  
     China 330–1  
     Japan 354, 361, 367, 404  
     South Asia 18, 269, 292–3, 297–9  
     Southwest Asia 15  
   genetic origins 297–8  
   hulled two-row 292–3, 297  
   naked six-row (*Hordeum vulgare*) 292–3, 297  
   pre-domestication, Southwest Asia 17  
   use in alcohol 25  
   wild:  
     Fertile Crescent 297  
     South Asia 16, 269, 274, 292–3, 297–9  
 Barnard, Alan 583  
 barnyard millet (*Echinochola utilis*) 18, 361  
 Barton, Huw 18–20  
 Bar-Yosef, Ofar 223  
 Bashidang 146, 323  
 basketry 230, 292  
 Basques 36, 38  
 Basta 254  
 Batanes Islands 430, 435, 442  
 beads  
   carnelian and amazonite 509  
   greenstone (Brittany) 565  
   ostrich eggshell 494  
 beans  
   Africa 483  
   Americas 85, 151, 154, 518, 520, 541, 544  
   China 17, 319, 322, 332, 350  
   India 86, 275, 285  
   Japan 18, 322, 354, 361, 367, 404  
   Korea 322  
 bear 573, 605  
 beaver 605  
 Bedouin 172, 173  
 beer 221 *see also* barley  
 Begash (Kazakhstan) 177, 330  
 Begazy-Dandybaevsky culture 182  
 Bellwood, Peter 19, 414, 442  
 Benefica 495  
 Benue-Kwa, dispersal 76  
 Berbers 172, 508  
 bezoar 16, 299  
 Bezuapan 152  
 Bieniek, Aldona 596, 605–7  
 Binford, Lewis 217  
 bioarchaeology 11–12, 93, 126–7  
   abnormal variation (palaeopathology) 100–2  
   methods and data 98–9  
   normal variation 99–100  
   principles 97–8  
 birds 605  
 Birimi 484  
 Bismarck Archipelago 50, 81  
 Blombos Cave (South Africa) 493  
 blood (as secondary product) 165  
 Bogaard, Amy 12  
 Bogucki, Peter 23, 605

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)*Index*

- Bolan River 290, 297  
 Bølling/Allerød interstadial 129  
 bone 230, 231  
   alveolar loss 111  
   fractures 110, 115–18  
   industry 230  
   ornaments 231, 609  
   periosteal reaction 111  
   tools 177, 230, 231, 278, 338  
   weapons 278  
   *see also* skeletal evidence  
 Borneo 50, 416  
   climate 411  
   cultural sequence 432–4  
   geography 413  
   swiddening 439, 442  
 Boserup, Esther 199–200  
 Botai culture 177–81  
   pottery 180  
 bottle gourd (*Legenaria* sp.) 205, 328, 361, 418, 469  
 Bou Khzama 11 501  
 Brahmagiri 282  
 Brahmani River 280  
 Braidwood, Ann 5  
 Braidwood, Linda 216–17  
 Braidwood, Robert 2, 213, 216–17  
 breadfruit 80–1, 468  
 Breasted, James Henry 187  
 Bridges, P.S. 117  
 Brillat-Savarin, Jean Anthelme 94  
 bristly foxtail millet 86  
 British Isles  
   burial monuments 563–5  
   causewayed enclosures 581  
   dairy farming 168–9, 170–2  
   jadeitite axes 576  
 Brittany 563, 565  
   jadeitite axes 576  
 Broederstroom site 496  
 Bronze Age 3  
   expansion of pastoralism 166–7  
   globalization 330  
   Kazakhstan 181–3  
   rice consumption (MSEA) 426  
   South Asia 262  
   urban culture (Levantine) 189  
 broomcorn millet (*Panicum miliaceum*) 17, 18, 145, 310, 316–22, 329, 331, 335–6, 338, 349–51, 367  
   wild progenitor (*Panicum miliaceum* var. *ruderales*) 317–18, 339  
 Brown, Cecil 85  
 browntop millet 86, 275, 278  
 brucellosis 114  
 Brześć Kujawski (Poland) 23, 589  
   burials 596, 599  
   clay pits 601  
   houses 590–1, 597, 599  
   Linear Pottery settlement 591–7  
 Brześć Kujawski Group 590–1, 593  
   animal economy 590–1, 605  
   burials 602  
   crops 605–7  
   end of 610  
   household composition 608  
   houses 590–1, 600–1, 608  
   landscape modification (sedimentary analysis) 607  
   Lengyel sites 597–610  
   long-distance contacts 609–10  
   material culture 601, 602–4  
   transegalitarian society 608  
 buckwheat 354, 361  
 Buddhism 354  
 Budihal 282  
   ashmounds 283  
 buffalo, wild 269, 293  
 Buhaya (Tanzania) 488  
 building materials 275 *see also* architecture  
 Bulbeck, David 434  
 bulrush millet 205  
 Buokem hills (Ghana) rock shelters 484  
 burdock 361  
 Burger, Joachim et al. 105  
 burial monuments/tombs  
   Britain 563–5  
   Europe 142–3, 158, 578  
   Iberia 565, 578  
   Japan 375–6  
   Korea 150–1, 158  
   Tichitt 499  
 burial mounds 392, 397, 509–10, 544, 549  
 burials  
   Americas:  
     Ecuador 524  
     Las Pircas (Nanchoc) 544  
     Southwest North America 154  
     Valdivia (Real Alto) 525–6  
   Central Asia:  
     Andronovo 181–2  
     Petrovka 181–3  
     Sintashta 181

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- burials (cont.)  
 China 145, 335, 345  
 Europe 142–3, 577–8, 585  
   corded ware 586  
   Kuyavia 607  
   LBK 577–8, 596–7  
   Lengyel (Hungary) 557  
 island South East Asia 432–6  
 Japan:  
   Jomon 366  
   Yayoi 366, 369, 371–2, 377, 403  
 Kenya 479–80  
 mainland Southeast Asia 420, 422–3, 425  
 and social status 252–4, 577–8, 586  
 South Asia:  
   Mehrgarh period I 295  
   Mehrgarh period II 304  
 Southwest Asia:  
   Natufian 129  
   subfloor (PPNB) 135, 234, 252–4, 366  
 Burkina Faso 474  
 Burma 439  
 burning  
   Africa 491  
   New Guinea 455, 458, 462  
   North America 529  
   *see also* swidden agriculture  
 Burung (Sulawesi) 429  
 Busby, George B.J. et al. 37  
 bushbuck 206  
 Butzer, Karl 221  
 Bwambé-Sommet 491  
 Byrd, Brian 234
- calcite 609  
 Cambodia  
   geography 413  
   swiddening 439  
 camels 176  
*Canarium* 21, 418, 491  
*Canarium schweinfurthii* 491  
 Caoxieshan 326  
 caprines *see* goats  
 carbon steel 489  
 carp 573  
 cassava 85  
 Çatalhöyük 213, 228, 232  
 cats 198  
 cattle  
   burials 141  
   calves 168, 169–70  
   consumption 168
- domesticated:  
 Africa  
   North Africa 172  
   sub-Saharan 21, 206, 474, 477–8, 479, 485, 486, 492, 495  
 Central Asia (Kazakhstan) 176  
 China 330–1  
 Europe 572, 573, 581  
   Britain 168–9  
   Cyprus 237  
   Poland (Kuyavia) 605, 610  
 Japan 379  
 South Asia 263, 270, 274  
   northwestern 300–1, 304–5  
   savanna India 282, 283  
   Southwest Asia 15, 83, 220  
 genetic analysis 16, 300–1 *see also* DNA  
 herding 162  
 hunting of 220  
 iconic depiction of 141  
 linguistic evidence of 62–4, 68, 83, 89  
 origins 43  
 skulls 230, 234  
 wild  
   Europe 573  
   northwestern South Asia 269, 293, 300–1  
   Southwest Asia 220  
 Cauvin, Jacques 218, 230  
 Cavalli-Sforza, Luigi L. 26, 31, 35  
 Çayönü 213  
 Cementerio de Nanchoc mounds 544, 549  
 ceramics *see* pottery  
*Cerastium glomeratum* 350  
 cereals  
   for alcohol 25  
   by-products 163  
   nutritional value 110–11  
   and ritual 25  
   as staple 138, 579–80  
   sticky 316  
   wild 130, 217  
   *see also* names of individual species  
 Cerro Juanaqueña site (Chihuahua) 528  
 cesspits 19  
 Chaco Canyon 154–5, 157  
 Chad 474  
 chaff 163  
   absence of 350–1  
 Chahai (Fuxin) 336  
 Chalcolithic (Copper) Age  
   expansion of pastoralism 166–7  
   Mehrgarh 305–8

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- South Asia 278
- Southwest Asia 215
- Chama Alcove site 155
- Chamberlain, Andrew 103, 118
- charcoal 491
- Chengtoushan 326, 329
- chenopod 22, 522
- Chenopodium* spp. 162, 350
- chestnut tree (*Castana crenata*) 405, 408
- chestnuts 18, 359, 367, 405
- chickens/fowl
  - China 145, 439
  - island Southeast Asia 429, 439
  - Japan 379
  - Jenne-jeno 206
  - origins 439
- Chifeng 336, 339, 351–2
- Chifumbaze Complex 494
- Chilbuene 495
- Childe, Gordon 4–5, 15, 186, 210, 216, 539
- chile pepper 518
- China
  - agricultural communities 145–6, 157
  - agricultural transition 146
  - archaeological research history
    - 313–15
  - barley 330–1
  - beancrops 17, 319, 322, 332, 350
  - burials 145, 335
  - chickens 145, 439
  - climate 312–13, 335, 338
  - culinary traditions 315–16
  - diet 145, 329, 331
  - dispersal from 419, 429–30
  - dogs 145
  - domesticated animals 330–1
  - ecological diversity 310
  - ‘five grains’ 18, 331–2
  - maize 316, 331
  - millet 18, 145–6, 310, 316–23, 328–9, 335–6, 349–52
  - nuts 325–6, 350
  - pigs 17, 145, 146, 323, 328
  - potato 331
  - rice cultivation 17–18, 323–9, 332
  - settlements 335–8
  - swiddening 439
  - textile production 328
  - tubers 319
  - urbanism 188
  - Western influence 329–31
  - wheat 330–1, 332
  - see also* Xinglonggou
- chital deer 278
- Chogha Bonut 301
- Chogha Mish 301
- Cholistan survey 272
- Chubu 360
- Chulmun culture 148
- Chuodun 326
- Cishan 320
- Cishan-Beifudi culture 336
- cities 186
  - abandonment of 200
  - decision-making 196–203
  - definition 193
  - and their hinterlands 192–6
  - social structure 190–1
  - territorial states 194
- city-states 193–4
- Clark, Grahame 435
- Clegg, Michael T. 298
- climate
  - island Southeast Asia 411–13
  - monsoonal system 312–13, 335, 338
  - variability in 197, 200
- climate change 1, 216
  - 8.2 KA event (South Asia) 267
  - Americas 521–2, 542–3, 551
  - Niger delta 484
  - Southwest Asia 4, 189, 214–16
  - trends 197
  - West Asia 129
- coca 541, 544
- coca leaves 549
- coconut 80–1
- coffee 479
- Cohen, Mark N. 102, 105–6, 119
- Colocasia esculenta* 417
- Colorado 154–6
- common bean 520, 541
- communal compounds 145, 154, 156
- communities
  - China 145–6, 157
  - definition 125
  - Europe 137–44, 157
  - evidence of 127–8
  - Korea 148–51
  - Mesoamerica 151–3
  - West Asia 128–37, 157
- conflict 142, 173–4
- Confucius, *Classic of Rites* 332
- copper 177, 272, 306, 574–6, 578, 602–4, 609
  - see also* Chalcolithic Age
- corn (*Zea mays*) 440
- Corsica 47

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- cotton  
 Americas 517, 518, 541, 544  
 South Asia 10, 263, 270, 285
- Coulanges, Fustel de 187
- cowpea (*Vigna unguiculata*) 21, 483, 484, 489
- Coxcatlán 520–1
- craft production 16, 153
- Crane-Kramer, Gillian M.M. 105, 119
- Crawford, Gary 315, 360–1
- Crete 137
- Crickley Hill 142
- crop systems  
 double cropping system 275  
 failure 200  
 linguistic evidence of 65–7, 68, 77–8, 81, 83–4  
 mixed cropping 532  
 rotation 199, 532
- Csőszhalom-Polgár 569, 572
- cucumber (*Cucumis* sp.) 83, 87, 418
- Cucurbitaceae* 496
- Cueva da los Vampiros site 518
- Cuiry-les-Chaudardes 572
- cumin 83
- cursus* monuments 563–5
- Cushites 59  
 proto- 67–71
- Cuzco 534
- Cyprus 220, 234  
 Neolithic expansion 236–8
- Da But sites 420
- Dabar Kot 307
- Dadiwan 320
- Daikai (Hyogo prefecture) 366, 403
- dairy products 65, 134, 137, 171, 579, 596
- dairying 48, 65, 165–6, 167–72, 182  
 Africa 171–2  
 China 330  
 Europe 137, 168, 170, 596  
 Levant 221  
 lipid residue techniques 168–9  
 modern 166
- Daisen (Osaka prefecture) 359
- Dakhlet el Atrouss-1 507
- Damb Sadaat 1 307
- Damdama 275, 276
- Daulatabad 268
- Daxi period (middle Yangtze) 326, 327, 329
- Daxinganling 335  
 mountains 336
- Daxinzhuang 323
- deer 269, 276, 278, 293, 377, 378–9, 573, 605
- Denham, Tim 19
- dental evidence *see* teeth
- Dhar Néma (Mauritania) 477, 499, 501, 505, 509
- Dhar Tagant 507, 509
- Dhar Tichitt (Mauritania) 21, 477, 499, 505, 506, 507, 509, 512
- Dhar Walata 477, 499, 505, 507, 509
- Dia Shoma 512
- diet  
 and agriculture 11–12, 105–7  
 China 145, 329, 331  
 definition 94  
 eastern India 278  
 effects of 107–12, 120–1, 380, 604  
 Europe 138, 141, 604  
 Holocene 24  
 hunter-gatherer 102–3  
 Japan 380  
 millets in 321–2  
 skeletal changes and 108–13  
 Southwest Asia 247  
 stable isotope 24, 112–13
- dill 138
- Dillehay, Tom 22
- Dioscorea alata* 417 *see also* yam
- disease  
 degenerative 103  
 infectious 103, 107, 113–14, 121, 380–1  
 nutritional deficiency 107, 108  
 parasitic infection 103, 380  
 respiratory 113  
 sexually transmitted 102  
 skeletal indicators 100–2  
 vectors 474, 482
- dispersal  
 animals 16, 432–9  
 crops/plants 329–31, 468–9  
 human 26–48, 414–16, 419  
 language 51–3, 73–4, 76–7, 429–30
- ditches  
 cultivation 445  
 drainage 464–6  
 around villages 141–2, 335, 344, 366–7, 397–400, 561, 565, 601–2, 608
- Djiganyai 501
- DNA *see* ancient DNA (aDNA); mitochondrial DNA (mtDNA)
- dog 162  
 China 145  
 Japan 379  
 mainland Southeast Asia 422, 423  
 sacrifice of 182
- dolmens 150–1, 578
- domestication, definition 219

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)*Index*

- Dong Nai drainage system 421  
 Donghulin 320  
 Dongodien 479  
 donkey 83  
 drainage 421, 464–6  
 drought 200  
 Durrington Walls (Stonehenge) 568
- early farming communities (EFC) 487, 494–6  
*see also* early Iron Age
- Early Iron Age (EIC) 487, 490, 491, 492, 494
- East Africa  
 early pastoralist sites 486–7  
 livestock 486  
 material culture 486
- Easter Island 81
- eastern India 276–81  
 diet 278  
 Neolithic chronology 277  
 pig 278
- Ecuador  
 plant domestication 518  
 raised fields 535  
 settlements 524–6
- Egypt 202  
 Egyptians 189  
 Ehret, Christopher 10  
 Eiichi, Fujimori 358, 359  
 einkorn wheat 15, 16, 269, 297, 298  
 Elementaitan tradition 486–7  
 Elsloo (Holland) 596  
 emmer wheat 15, 16, 83, 269, 297, 298
- enclosures  
 banked 561–5  
 causewayed 581  
 ditched 141–2, 335, 344, 366–7, 397–400, 561, 565, 601–2, 608  
 earthen walled 194  
 earthwork 146, 158  
 palisaded 561–5
- Eneolithic cultures 177, 181
- Engels, Friedrich 187
- England 581
- Enkapune ya Muto 482
- enset 77–8, 479
- environment  
 changes 246–7  
 overfarming 200  
 reconstruction methods 215  
 variability 197, 200
- erect knotweed 522
- Erickson, Clark L. 199
- Eritrea 477
- Erlitou 332
- Ethiopian highlands, crop cultivation 479
- Etsuji 366
- Europe  
 animal husbandry 581  
 burial practices 577–8  
 crop cultivation 579–81  
 households' material culture 574–7  
 houses 567–71  
 Neolithic 555–67  
 southeast 555  
*see also individual countries and regions*
- Evenki 174
- Evershed, Richard 168
- evolutionary medicine 96–7
- families  
 extended groups 124, 136–7, 138, 143, 150, 152, 156, 194, 202, 248–52, 326, 525  
 nuclear 12, 124, 194, 217, 234, 248–52, 326, 348
- farmers  
 age at death 119  
 communities of practice 12–13  
 co-operation and sharing 124–5, 248–52, 584  
 diet and health 103–4, 120–1  
 fertility 104  
 growth problems 119  
 interpersonal violence 117  
 respiratory disease 113  
 sense of time 584  
 skull shape 111  
 tooth enamel defects 119–20  
 work-related health issues 114–17
- farming  
 early crop 23  
 mixed 134, 161–4  
 Neolithic 23  
 reasons for switch to 104–5  
 southern Deccan development of 273
- feathergrass (*Stipa pennata*) 605–7
- Fejx site (Lake Besaka) 478
- fern roots 419
- Fertile Crescent 210, 297
- fertility 102, 104, 118–19
- fertility symbols 232–3
- fertilization 199
- fields 152, 529  
 raised 534–5
- figs 83
- Fiji 81
- finger millet 285, 479, 489
- fire, anthropogenic 22, 455, 527, 528
- fish 573, 605



Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- fishing  
 Africa 206, 474  
 China 326  
 Europe 573, 578  
 Japan 379  
 South Asia 273, 278  
 Southwest Asia 220
- Flannery, Kent 5, 124–5, 133, 152, 154, 156, 217, 346, 348
- flax 285
- flint 307
- ‘chocolate’ 595, 601, 609
- flotation 314–15, 332, 336, 338, 349–50, 361
- flour foods 330
- fodder, supply of 161, 163
- fonio (*Digitaria exilis*) 21, 74, 483, 484
- food intolerance 103, 105, 106 *see also* lactose tolerance/intolerance
- food preparation  
 Asian 145, 315–16, 330  
 culinary divide 17  
 women’s role in (Europe) 141, 153
- food production  
 Africa 59  
 cultivation vs. domestication 78–9  
 decisions and control of 186, 196–203  
 India 85–90  
 lexical evidence for 62–4, 80–1, 83–4  
 Xinglonggou 349–51
- forests  
 burning of 455, 458, 462  
 Central Africa 489–92  
 Pleistocene New Guinea 455–7  
 Southeast Asia 411
- Formative period 151
- fowling 578
- foxnuts (*Euryale ferox*) 326
- foxtail millet (*Setaria italica*) 17, 18, 80, 145, 310, 316–22, 328–9, 331, 332, 335–6, 338, 349–51, 367, 440
- wild progenitor (*Setaria viridis*) 317, 339
- France  
 burial practices 577  
 dairy farming methods 170  
 ditched enclosures 565
- fruit 18, 279, 350, 367  
 wild 476
- fruit trees  
 Americas 152, 516–17  
 China 328  
 South Asia 279, 285
- Fujian province 328, 419
- Fula 172
- Fuller, Dorian Q. 16, 17, 240, 505
- Funiu mountains 335
- Funnel Beaker culture 610
- Furuichi Omizo 376
- Gallagher, Daphne 14
- game 141
- Ganges basin, early cultivation 87–8
- Gangetic plains 273–6  
 architecture 275  
 Neolithic culture 275  
 pottery 275  
 rice 273–6  
 sedentism 273–6
- Ganj Dareh 301
- Gansu province 331
- garden egg 205
- gardening *see* horticulture
- gardens  
 Amazon basin 535  
 Eastern Woodlands 529  
 Europe 23, 580–1, 582, 584, 599  
 grid (New Mexico) 155  
 Mesoamerica 529  
 Nanchoc valley 543–4, 550  
 proto-Austronesian word for 80  
 urban 194
- garlic 83
- Garlowska, Emilia 604
- Garrod, Dorothy 129
- Garstang, John 213
- gazelle 129, 130, 162, 219, 220, 269, 276, 292–3
- Geduld (Namibia) 493
- gender roles 136–7, 141, 153, 158–9
- genetic evidence 105 *see also* ancient DNA *and* mitochondrial DNA
- Germany, Neolithic settlement 138
- Gexinqiao 418
- Ghana, ancient (Wagadu) 510
- giant ragweed 522
- Gilgal I 130–1
- gluten 106
- goat grass, diploid 298
- goats  
 China 330  
 dwarf 485–6  
 Europe 573, 605  
 Jenne-jeno 206  
 Kazakhstan 176  
 mitochondrial DNA analysis 299–300  
 origins of domestication 299–300  
 remains 247  
 South Asia 16, 274, 282

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- Southwest Asia 15, 83, 162, 220, 237  
 sub-Saharan Africa 479, 485–6, 491, 492–4, 495  
 terms for 64, 68, 70–1, 83, 89  
 wild, northwestern South Asia 16, 269, 293,  
 299–300  
 Gobedra (Ethiopia) 478  
 Göbekli Tepe (Turkey) 132–3, 142, 221, 224–8,  
 234  
 Gobi desert 312  
 Gogo Falls 489  
 Gogoshiis Qabe rock shelter (Somalia) 478  
 Golbai Sasan 277–9  
 goldwork 139–41, 576  
 Golson, Jack 19, 447, 451, 463  
 Gopalpur 277–9  
 Gopher, Avi 232  
 Gorecki, Pawel 451  
 Gorman, Chester 418  
 gourds 67, 280, 469  
   Americas 516–17, 529  
   Panama 518  
   South Asia 280  
   Southeast Asia 469  
     *see also Cucurbitaceae*  
   grain domestication of 79  
   Dravidian names 86  
   harvesting of 79  
   lack of in Oceanic cultures 81  
   Niger–Congo words for 74–5  
   proto-Austronesian cultivation 80  
   Southwest Asia 83 *see also cereals; and under*  
     *individual names of species*  
 grape 83  
 grasses 335  
   *Artemisia* 405  
   *Digitaria* 484  
   edible 458  
   panicoid 319  
   wild 479, 492  
 grasslands, burning of 458, 462  
 Great Hungarian Plain 578  
 Greece 137, 142, 144  
   secondary products revolution 169  
 groundnut 21 *see also* Bambara groundnut  
 Gua Sireh (Borneo) 428  
 Guangdong province 328, 419–20  
 Guangxi province 328  
 Guilá Naquitz 520–1  
 Guitarrero Cave (Peru) 520  
 Gujarat 86  
  
 Haak, Wolfgang et al. 41  
 hackberry (*Celtis*) 484  
 Haeapugua 466  
 Haginomoto site 389, 400  
 Haimenkou 331  
 Hajji Firuz Tepe 221  
 Hallan Cemi (Turkey) 130, 220  
 Hambledon Hill 142  
 Han River 148, 325  
 Handoga (Djibouti) 478  
 Hangzhou Bay 326  
 Hansen, Judith D.L. 103  
 Happy Rest site (South Africa) 495  
 Harappa 272  
   early Harappan period 272  
   Ravi phase (3300–3000 BC) 272  
 Harlan, Jack 477, 514  
 Harris, David R. 440  
 hartebeest 206  
 Harunari, Hideji 403  
 harvest, reproducibility of 408  
 harvesting, sickle 130  
 Hawaii 81  
 health  
   and agriculture 11–12, 96–7, 105–7  
   Cypriot Neolithic 237  
   definition 94  
   and diet 11–12, 96–7, 107–12, 120–1,  
     380, 604  
   and environment 113–18  
   farmers 103  
   hunter-gatherers 102–3  
   skeletal indicators 100–2, 105, 107–21  
 hemp (*Cannabis sativa*) 17, 322–3, 330,  
 332, 361  
 Hemudu culture 146, 323, 325, 326, 328  
 Henry, Donald 218  
 herding 67–71, 157, 161  
   Levant 134  
   linguistic evidence of 83  
   movement 175–6  
   southern Africa 492–6  
*heterophylla* 350  
 Hidaka (Gunma prefecture) 369  
 Higgs, Eric 315  
 Himiko, Queen 377  
 Hi-Naka (Fukuoka) 381  
 Hiroko, Koike 378  
 Hiroshi Tsude 374  
 Hittites 189  
 Hodaka 373  
 Hodh depression (Mauritania) 499  
 Hoenzaka (Osaka prefecture) 373  
 Hole, Frank 5  
 Holl, A.F.C. 509

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- Holocene 1  
 archaeobotany, China 320  
 archaeogenetic research 9  
 climate 4, 214, 335  
 environmental changes 312–13  
 food available 24  
 foraging systems 17  
 hunter-gatherers 7, 15, 418  
 landform changes 215
- Holy Cross mountains (Poland) 595, 601
- Homo erectus* 313
- Hong (Red) River 420, 421
- Hongshan culture 336
- Hopf, Maria 297
- Hornstaad-Hörnle 1A 138, 571
- horse 13–14, 162, 176–83, 379  
 sacrifices 181–2  
 wild 179, 605
- horsegram (*Macrotyloma uniflorum*) 86, 275, 278
- horticulture  
 Europe 555, 566  
 island Southeast Asia 435, 464  
 mainland Southeast Asia 418  
 Nanchoc (Peru) 22, 543–4, 550, 552  
 sub-Saharan Africa 472  
*see also* gardens
- Houli culture 336
- houses  
 'Ain Ghazal 248–52  
 Alpine foreland 570–1  
 Chengtoushan 327  
 courtyard  
 Mesoamerica 152  
 Sha'ar Hagolan 136, 229  
 'cult' 138–9  
 investment in (Levantine MPPNB) 135–6, 248  
 Las Pircas (Nanchoc) 544, 548, 549  
 longhouses  
 Linear Pottery (*Linearbandkeramik*, LBK) culture 137, 585, 593, 597  
 post-built (Kuahuqiao and Hemudu) 326  
 post-framed (western Europe) 557, 559–61, 568, 569–70  
 trapezoidal longhouses (Brześć Kujawski Group) 573, 590–1, 600–1, 608  
 lower Xiajiadian 351  
 Mumun period 148  
 Natufian 222  
 ovoid huts 326  
 Pengtoushan 326  
 pit houses  
 Botai and Tersek 177  
 Chulmun 148–50  
 Nakanishi-Akitsu 400  
 Southwest North America 154–5  
 Pre-Neolithic 229  
 Pre-Pottery Neolithic 228  
 Pre-Pottery Neolithic B 226  
 stilted and ground level (mainland Southeast Asia) 421–2  
 storage 138, 148  
 subfloor burials 135, 234, 252–4, 366  
 Tierra Blanca (Nanchoc) 544, 548, 549  
 Valdivia 525
- Hsiao-Chun Hung 419
- Huai River 310
- Huang Qixu 315
- Huarpa 533
- Hudson, Mark 377, 380–1
- Hughes, Philip 447
- human behavioural ecology (HBE) theory 539
- human body, treatment and representation of 143
- Hunamni 150
- Hungary 566
- hunter-gatherers 5–7, 15  
 Africa, late Stone Age 482–3, 489, 490, 492, 494  
 bone size and shape 117  
 diet and health 102–3  
 fertility 102, 118–19  
 Japan 18–19  
 life expectancy 102  
 mainland Southeast Asia 417–18  
 respiratory disease 113  
 and rice cultivation 325  
 skull shape 111  
 South Asia 268  
 vs. farmers 583
- hunting 141, 162, 164–5, 278, 419, 495, 578
- Hurrians 189
- Huysecom, Erik et al. 74
- hyacinth bean 285
- Hyakkengawa-Sawada settlement (Okayama prefecture) 366, 369, 371
- Hyksos 189
- Iberia 565, 578
- ice core (GISP2) analysis 215
- Iceman (Ötzi), Chalcolithic Tyrolean 47, 141, 574, 579
- Ikegami-Sone (Osaka prefecture) 367, 368
- Ikeshima-Fukumanji (Osaka) 369
- Ileret 479

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- India 16–17  
 agriculture, lexical evidence of 85–90  
 bean crops 86, 275, 285  
 Eastern Wetlands traditions 277–9  
 pottery 275, 277, 281  
 rice 278–9, 280–1, 323–5  
*see also* eastern India; Gangetic plains;  
 savanna India
- Indonesia 80, 411
- Indus civilization 262, 273, 274
- Indus River 267
- Indus valley 262
- inequality 152
- Ingold, Tim 13, 164–6
- Iraq 213, 216–17
- Ireland 568  
 stone walls 580
- Iron Age  
 mainland Southeast Asia 426  
 South Asia 262, 276  
 sub-Saharan Africa 487, 490, 491, 492, 494
- iron-smelting 201
- irrigation  
 canal 369, 532, 533, 544, 550  
 networks 194  
 North America 529, 532–3  
 paddy field 364, 369, 371, 376, 383, 406–9  
 projects 312  
 small ditch 532
- island Southeast Asia 411, 426–34  
 appearance of domestic rice 20  
 climate 411–13  
 genetic diversity 49–51  
 landforms 413  
 linguistic history 79–83  
 Neolithic 413–17
- isotope analysis 127, 145, 338
- Israelites 188–9
- Italian 574
- Italy  
 dairy farming methods 170  
 ditched enclosures 565
- Itazuke 356, 364
- ivory 578
- jack bean 518
- jade 341, 342–3
- Jakkalsberg 493
- Jalilpur 272
- Japan 18–19  
 animals 382  
 civil engineering projects 375–6  
 dryfield agriculture and horticulture 367  
 hunting and gathering 382  
 laurel forest culture 359  
*matagi* hunters 382  
 paddy rice farming 353–4  
 early Yayoi period 366–7, 388–404  
 introduction of 362–6  
 Kofun period 379  
 late Yayoi period 370–3, 382, 389  
 middle Yayoi period 367–9, 389  
 storage facilities 373–4, 376  
 technology 373  
 population increase 376  
 violence and warfare 377–8
- japonica rice 330
- Jarigole 480
- Jarmo 5, 213, 298, 301
- Jarrige, Jean-Francois 290, 293, 295, 307
- Java 416
- Jażdżewski, Konrad 590–1
- Jenne-jeno 14, 203–7, 485
- Jerf el Ahmar 223, 230, 233
- Jericho 5, 132, 213, 216, 222–4, 228, 234
- jewellery 143, 231, 421, 422–3 *see also* beads
- Jhandi Babar 306
- Jhandi Babar A (Gomal plain) 272, 306
- Jhusi 274
- Jiahu 322, 323
- Job's Tears 329, 419, 440
- Jomon culture 18–19, 366–7  
 animal husbandry 378  
 cultivation 357–62  
 dental caries 109  
 farmers 380–1  
 landscape 405–6, 407–8  
 material culture 359, 405  
 periods 354, 387–8, 389–91, 394–7, 404, 405–6  
 pottery 354, 360, 387, 394–7, 404, 408–9  
 ritual 408–9  
 settlements 389–91, 405  
 storage 408  
 technologies 406–7
- Jones, Glynis et al. 298
- Jones, Martin 17
- Juglans mandshurica* 350
- Kabusanze 489
- Kacchi plain 289–90
- Kadzi 495
- Kalundu 495
- Kana 466
- Kaner, Simon 18
- Kannonji-Honma site 405, 408
- Kanto 360

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- Kantun 418  
 Karako-Kagi (Nara) 356, 367, 368–9, 371, 379, 387, 388–9, 397  
 Karkarinchinkat 477, 505  
 Karnataka 282  
 Kashiwara 387, 408  
 Kashiwa, Oyama 358  
 Kasteelberg Hill (South Africa) 493  
 Katsuragi River 392  
 Kawanishi-Nenarigaki 403  
 Kazahari (Aomori prefecture) 360  
 Kazakhstan 161  
     crop dispersal 330  
     forced pastoralism 173  
     horses 176–83  
     nomadism/transhumance 174, 176–7  
     pottery 177–9  
     steppes 164, 176–81  
 Kemondo Bay, KM2 and KM3 sites 489  
 Ken'ichi Yano 18  
 Kent site (Kazakhstan) 183  
 Kenya, Savanna Pastoral Neolithic tradition 70  
 Kenyon, Kathleen 5, 213, 223, 228  
 Kfar Ha-Horesh 227  
 Khameswaripali 277–9  
 Khao Wang Prachan valley 442  
 Khirokitia culture 236  
 Khoe 51–2  
 Khok Phnom Di 423–5, 439  
 Khorat plateau (Thailand) 422–3  
 Khyber Pakhtunkhwa 272  
 Kikuchi, Yukiko 402  
 Kili Gul Mohammad 268, 293–7, 302, 306, 307  
 King, Roy 36  
 Kingwell-Banham, Eleanor 16, 289  
 Kintampo sites 484, 485  
 Kivisild 35  
 Kivu-Rusizi River 488  
 Klein Africa (South Africa) 495  
 kob 206  
 Kodekal 282  
 Kofun period 354  
 Koldihwa 274, 275  
 Kolima Sud 474, 510  
 Kolima Sud-Est 512  
 Konary 599, 605–7  
 Korea  
     bean crops 322  
     burial monuments 150–1, 158  
     communities 148–51, 157  
     migration 18  
     rice farming 364  
 Körös culture 578  
 Kosipe (New Guinea) 19  
 Krigbaum, John 433  
 Kruger National Park 495  
 Kruszyn 599  
 Kuahuqiao culture 326, 328  
 Kuchai 279  
 Kudatini 283  
 kudzu (*Pueraria lobata*) 469  
 Kuijt, Ian 235  
 Kuk Swamp (New Guinea) 19, 417, 437, 442, 445–6  
     burning 455, 462  
     ditches 464–6  
     geographical setting 446–7  
     history of research 447–50  
     mound cultivation 462–4  
     pig rearing 467–8  
     plant exploitation:  
         cultivation practices 460–1  
         Holocene–Pleistocene transition 457–9  
         Pleistocene 454–7  
         statigraphy 450–1  
         swidden cultivation 462  
         tree following 467  
 Kuma-Nishida 369  
 Kumali rock shelter (Ethiopia) 479  
 !Kung San 6  
 Kuroimine 373, 379, 383  
 Kutsukata (Miyagi prefecture) 369  
 Kuyavia (Kujawy)  
     animal remains 595–6  
     burials 596  
     crops 596  
     diet 604  
     landscape 589  
     LBK farmers 591–7  
     Lengyel culture 597–610  
     pottery 594–6, 601  
     *see also* Brześć Kujawski  
 KwaZulu-Natal 495  
 Kyushu 362, 364, 377, 387  
  
 La Draga (Spain) 568  
 La Joya 152  
 La Pastora dolmen 578  
 labour  
     control of 199  
     division of 136–7  
     organization of (urban) 201–2  
 lacquer 361  
 lactose persistence 48

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- lactose tolerance/intolerance 103, 105, 137, 170–2  
 Africa 172  
 Europe 579  
 Laga Oda rock shelter 477, 478, 479  
 Lahuradewa 273–5  
 Lake Balaton 556  
 Lake Bosumtwi 484  
 Lake Constance 138  
 Lake Eyasi basin 483  
 Lake La Yeguada 518  
 Lake Titicaca basin 533, 534–5  
 Lake Van 215  
 Lake Victoria 483  
 Lane, Paul 20  
 languages/language families 60–7  
 Andes 7  
 Atlantic–Congo 73  
 Austroasiatic 51, 83, 87  
 Austronesian 49, 79–83, 415, 429, 431  
 Bantu 49, 51–3, 73–4, 76–7  
 Basque 90  
 Benue-Kwa 73  
 Caucasian 84  
 cultural salience (of lexicon) 57–8  
 dispersal 51–3, 73–4, 76–7, 415, 429–30, 431  
 Dogon 73  
 Dravidian 263  
 Eastern Bantu 487  
 as evidence of crop cultivation 65–7, 76, 77–8  
 Hattic 84  
 Hurrian 84  
 Indo-Aryan 87, 263  
 Indo-European 88–9  
 Indo-Hittite (period) 88  
 Japanese 381, 383  
 Khoisan click 51–2  
 lexical change 56–7  
 Mande 73  
 Munda 87, 263  
 Niger–Congo 59, 71  
 Nilo-Saharan 60–7, 70–1  
 Omotic 77–8  
 Pama-Nungyan 431  
 proto-Agaw-East-South Cushitic 68  
 proto-Atlantic 73  
 proto-Atlantic–Congo 73  
 proto-Austronesian 19, 79–81  
 proto-Bantu 76  
 proto-Cushitic 68–71  
 proto-Dravidian 86  
 proto-Eastern Bantu (Mashariki) 487, 492  
 proto-Ijo–Congo 73  
 proto-Indo-European 88–9  
 proto-Khoekhoe 492  
 proto-Malayo-Polynesian 80–2  
 proto-Niger–Congo 71–3, 74  
 proto-Northern Sudanic 62–3, 65  
 proto-Omotic 77–8  
 proto-Saharo-Sahelian 63, 65  
 proto-Sahelian 63–7, 70–1  
 proto-Semitic 83–4  
 proto-Southern Cushitic 481  
 proto-Volta–Congo 75  
 proto-Western Bantu 490  
 protolanguages 56  
 and relatedness 55–6  
 Sahelian 487  
 Sino-Tibetan 82–3  
 Sudanic 487  
 Trans-New Guinea 82  
 Urartian 84  
 Volta–Congo 73  
 Langweiler 8 (Merzbach) 570  
 Laos, swiddening 439  
 lapis lazuli 271, 295, 302  
 Lapita culture 81, 416, 434–6  
 Larsen, Clark Spencer 109, 380  
 Larsen, Greger et al. 438  
 late Majiabang (lower Yangtze) 327  
 Lawrence, T.E. 213  
 LBK *see* Linear Pottery (*Linearbandkeramik*, LBK) culture  
 leeks 83  
 Legge, Tony 167  
 legumes (pulses) 489, 516–17  
 Lekhahia 276  
 Lengyel culture 557  
 Kuyavia 597–610  
 lentils 274  
 Leopard Cave (Erongo mountains, Namibia) 493  
 Lesser Sunda Islands 411  
 Levant 212  
 agricultural communities 128–36  
 animal domestication 220  
 animal husbandry 111  
 ceramics 232–3  
 climate 215  
 dental health 108, 112  
 evidence of livestock 127, 130  
 olive oil production 221  
 PPNA architecture 131–4  
 primacy model 236  
 southern, Neolithic study 213

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- Levant (cont.)  
 southern, Pre-Neolithic architecture 228–9  
 trade 234  
 transition to farming 129  
 urbanism 188
- Levantine Corridor 220
- Lévi-Strauss, Claude 584
- Li Bing 312
- Li, H.L. 322
- Liangzhu 327–8
- Libya 65
- LiDAR technology 195
- Lilley, Malcolm C. 112
- lima bean 520
- lime production 549–50
- Limpopo valley 496
- Linear Pottery (*Linearbandkeramik*, LBK)  
 culture  
 burials 577–8, 596–7  
 dispersal 594–5  
 DNA 37, 41–4, 48  
 farmers 591–3  
 gardens 580  
 longhouses 585, 593, 597  
 material culture 574, 594–6  
 settlements 137, 556, 559, 568, 569–70, 572–3, 580, 581
- linguistics 10–11 *see also* languages
- little barley 522
- little millet 86
- Liu, Guoxiang 17
- Liu, Xinyi 17
- livestock  
 Bantu words for 76  
 Cushite words for 68–71  
 dwarf species 485–6  
 feeding 163  
 grazing 163  
 Nilo-Saharan words for 62–4  
 proto-Indo-European words for 89  
 proto-Malayo-Polynesian words for 80–1  
*see also under names of individual species*
- llama 162
- llerén (*Calathea allouia*) 518
- Loc Giang 421–2
- Locust-bean tree (*Parkia biglobosa*) 483
- Lokori 480
- Loma Alta 518
- long barrows 563–5, 610
- Lorkiewicz, Wiesław 604
- lower Xiajiadian culture 336
- Lubell, David et al. 113
- lucuma 520
- Ludwigshafen (Lake Constance) 138
- Ludwinowo (LBK settlement) 593, 596
- luffa 87
- lupine 535
- Maasai 165, 172, 173
- Maasai Mara 483, 486
- MacDonald, Kevin 21
- Mahadaha 276
- Mahagara 275
- mainland Southeast Asia 411, 417–26  
 animal domestication 438–9  
 climate 411–13  
 crop domestication 436–8  
 early Neolithic sites 419–20  
 horticulture 418  
 landforms 413  
 Neolithic 413–17, 421  
 pre-Neolithic 420–1  
 rice farming 18–19
- maize  
 China 316, 331  
 cultivation 151–2  
 lexical history 85  
 Mexico 514, 526  
 North America 22, 154  
 nutrition 111  
 origins 22, 514–15  
 Panama 518  
 Southwest Americas 154  
 use in alcohol 25  
*see also* teosinte
- Majiyao culture (Linjia) 323
- Makowiecki, Daniel 605
- Makriyalos 142
- malaria 121
- Malayo-Polynesians 80–2
- Mali 474
- Manganji River 392
- Mangniu River 338
- manioc 515, 517–18
- Manning, Kate 505
- Manser, Jessica 433–4
- Maoshan 327–8
- Maros Cave (Ulu Leang) 429
- marsh elder 22, 522
- Marston, John M. 198–9
- marten/polecat remains 573
- Matarrubilla dolmen 578
- material culture 5, 127–8, 212, 222–33  
 Africa 476–7, 478, 486–7, 494, 510–11  
 China 145–6, 328, 336, 338, 341–3, 345  
 Europe 5, 137–44, 566, 574–7, 584

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)*Index*

- island Southeast Asia 20, 432–6
- Japan 356, 372–3, 378–9
- Kazakhstan 177–9
- Korea 148–51
- Lapita 81
- mainland Southeast Asia 419
- Mesoamerica 151–3
- Nanchoc valley (Peru) 544–51
- Natufian 129, 222, 229–30
- Nilo-Saharan 60
- pastoralists 164
- Pottery Neolithic (PN) 136–7, 228–9, 232–3
- Pre-Pottery Neolithic A (PPNA) 131–4, 222–4, 230–1
- Pre-Pottery Neolithic B (PPNB) 134, 136, 224–8, 231
- Pre-Pottery Neolithic C (PPNC) 228, 231
- proto-Oceanic 81
- proto-Sudanic 62
- Southwest North America 154–6
- Yayoi 18, 356, 372–3
- Matola 495
- Mayan urban centres 194
- maygrass 522
- McElroy, Ann 96
- McIntosh, Roderick J. 14, 187
- McIntosh, Susan 204, 206
- Meadow, Richard H. 297, 305
- medical anthropology 96
- Mediterranean islands 236–8
- Mehrgarh 16, 267–71, 274
  - ceramic production 303–4, 305–6, 307–8
  - Chalcolithic occupation 292
    - period 111 (Togau phase) 305–7
    - periods IV and V 307–8
  - contact with other settlements 302
  - location 289–90
  - Neolithic occupation 290–2
    - period I 268, 292–301
    - period 11A 267, 271, 295–7, 302–5
    - period 11B 305
  - site 293–7, 302, 306
  - subsistence economy changes 304–5
- Meiklejohn, Christopher 119
- Mekong River 422
- Mellaart, James 213
- melons 67, 205, 328, 329, 367
- Merzbach valley (Germany) 569–70
- Mesoamerica
  - communities 151–3, 157
  - crops 151
  - early domestication 520–1
  - late Archaic/early Formative period 527–8
  - linguistic evidence of agricultural practices
    - 84–5
    - terracing 533
    - water management 533
- Mesolithic (middle Stone Age) 3
  - DNA 41–8
  - South Asia 268, 275–6
- Mesopotamia 191
  - cities 193
  - effects of intensive farming 201
  - irrigation 221
  - organization of production 201
- metallurgy 16, 306, 330, 354, 432, 487–8, 490
  - and expansion of pastoralism 166–7
  - Japan 354, 373
  - Kazakhstan 177
  - Korea 150–1
  - Neolithic Europe 139–41, 574–6
  - South Asia 262
  - sub-Saharan Africa 487, 494, 508 *see also* copper; Iron Age; iron-smelting
- Mexico
  - Central Balsas River valley 521
  - early farmers 526–8
  - highlands 151
  - plant domestication 22, 514
  - raised fields (chinampa) 534
- Mgombani 489
- mice 129, 130
- Micronesia 81
  - genetic diversity 49
- middle Niger floodplain 203, 205, 206
  - legacy of Tichitt tradition 510–12
- Miechowice 599
  - crops 605–7
  - LBK settlement 593, 596
- migration 9–10, 16
  - Africa 480–2, 487, 490–1
  - Austronesian 20
  - Bantu 76–7
  - from Europe to Near East 36
  - from Korea to China 18
  - into Japan 364, 381, 383
  - into Lake Turkana basin 480–2
  - South Asia 271, 295–7
  - Southeast Asia 434, 435
- milk/milking 165–6, 167, 581
  - linguistic evidence 65
  - mare's 180
  - sustaining letdown 169–70
  - see also* dairy products; dairying; lactose tolerance/intolerance



Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- millet(s)  
 Africa 21, 491, 492, 495, 496, 499, 505  
 China 145–6, 310, 316–23, 328–9, 335–6, 349–52  
 island Southeast Asia 440  
 Japan 18, 354, 367, 404  
 Kazakhstan 176  
 linguistic evidence 80  
 mainland Southeast Asia 419, 442  
 middle Niger 205  
 non-shattering rachis 505  
 South Asia 17, 263, 278, 284  
 spread 329  
 wild 205  
*see also under names of individual species*
- mint (*Perilla frutescens*) 329
- Mirabib (Namibia) 493
- mitochondrial DNA (mtDNA)  
 admixture effect 36–7, 50  
 Africa 51–3  
 ancient Europeans 40–8  
 and analysis of human dispersal patterns 26–48  
 chicken 439  
 contemporary Europeans 31–40  
 founder analysis 30, 32–5, 37, 51  
 genetic dating 28–9  
 haplogroup H 43–6  
 haplogroup J 42  
 haplogroup K 42  
 haplogroup L3 30  
 haplogroup N1a 41–4, 46  
 haplogroup T 42  
 haplogroup U 41–2, 46–7  
 horse 13–14, 180  
 human–chimp split 29  
 MSY variation 35–6, 46, 49  
 pig 20, 438  
 Polynesian motif 49–51  
 Southeast Asia 49–51
- Mitsudera 1 373, 376, 383
- Miyamoto, Kazuo 364
- Miyoshi, Nobuaki 402
- Mizoguchi, Koji 367, 376
- moat building 426
- Modjeska, Nicholas 451
- Mogollon mountains, SU site 154
- Monelirio dolmen 578
- Mongol herders/pastoralists 173, 177
- Mongol Hordes 173
- monumental architecture 234, 563–5  
 construction 158 *see also* burial monuments/  
 tombs
- Morelli, Laura et al. 37
- Morioka, Hideto 403
- Morrell, Peter L. 298
- mortuary practices 128, 233–4, 236  
 China 145  
 Europe 144, 577–8  
*see also* burials
- Moruo, Guo 313
- mosquitoes 121
- mounds  
 Amazon basin 535  
 burial 392, 397, 509–10, 544, 549, 561–5  
 ceremonial 525–6  
 cultivation 462–4  
 settlement 501, 557, 566, 569, 571–3  
 shell 527
- Mount Haruna (Gumma prefecture) 373
- Mount Kilimanjaro 480
- Mozambique 495
- Mugumamp 464
- Mumun period 148
- mungbean 86, 275
- Munson, Patrick 499–501, 506, 508
- Mureybat 222
- Murono-Miyayama mounded tomb  
 (Nakanishi-Akitsu) 392, 397
- Murray, Tim 435
- Myres, Natalie M. et al. 37
- N'Dama cattle 485
- Nabatake (Saga prefecture) 364, 379
- Nabta Playa 64, 67
- Naderi, Sean et al. 300
- Naka-Kunryu (Fukuoka) 371
- Nakanishi-Akitsu complex 367, 392–409  
 buried forest 400–1  
 chronology of paddy fields 394–7  
 food consumption 403–4  
 forest life 404–5  
 irrigated rice cultivation 406–9  
 landscape 405–6  
 population 403  
 village 397–400
- Nalepka, Dorota 607
- Nam River valley 148
- Nanchoc valley (Peru) 22  
 burials 544  
 climate change 551  
 construction projects 549–50  
 crops 520, 541, 544  
 El Palto phase 543–4  
 environmental parameters 542–3  
 Las Pircas phase 544  
 Tierra Blanca phase 544–9, 550, 552

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- Nantaizi (Keshiketeng) 336  
 Nanzhuangou 320  
 Napachik (Manipur) 281  
 Narhan 275  
 Narutaki (Wakayama prefecture) 373  
 Native Americans 85  
 Natufian period  
   architecture 131, 222  
   artefacts/material culture 129, 229–30  
   settlements 129, 222  
   status differentiation 233  
 Ndondi Tossokel (Mali) 510–11  
 Near East *see* Southwest Asia  
 Neolithic (New Stone Age) 3  
   ‘broad spectrum subsistence’ model 217  
   chronologies:  
     eastern India 277  
     northwestern South Asia 267–70  
     savanna India 281–2  
     South Asia 262–3 *see also* Mehrgarh  
     Southwest Asia 212–14  
   definition 177–9, 210–12  
   DNA 37, 41–4, 48  
   ecological and social consequences  
     of 238–9  
   expansion 236–8  
   ‘hilly flanks’ model 16, 216–17  
   material culture 222–9  
   Oasis Propinquity Theory of 216  
   oldest cultures 210–12  
   post-processual models 218  
   processual models 217  
   Revolution 3–5, 15, 210, 216–19, 285  
   theories for 210–12  
   transition 31–40, 270–3  
 Neon U-Loke 425  
 New Guinea 416, 445–6  
   human origins 49–50 *see also* Kuk Swamp  
 New Mexico 154–6  
 Ngamuriak 486  
 Niah Cave 19, 432–4  
 Niger River 205 *see also* middle Niger  
   floodplain  
 Nil Kham Maeng 426  
 Nilgai 278  
 Nintoku, Emperor 375  
 Nishijinmachi 381  
 Nitra (Slovakia) 596  
 Nkang 491  
 Nkope Hill (Malawi) 495  
 nomadism 13, 120, 134, 173–4, 176–7, 181, 220,  
 Non Pa Wai 426  
 noodles 330  
 Nor Mak La 426  
 North America  
   Eastern Woodlands 522, 529  
   fields 529  
   Great Plains 523  
   plant domestication 85, 210, 522–3  
   southwest 154–6, 210  
   transformation of landscapes 529–30  
 North Horr 479  
 Northern Transvaal (Gauteng) 496  
 Nowaczyk, Bolesław 607  
 nuts  
   Africa 491  
   China 325–6, 350  
   Japan 367, 404, 406  
   oil palm 492  
   South Asia 279  
   *see also individual species*  
 oak trees 404  
 Oaxaca valley 152  
 obsidian 124, 479, 486  
 oca 520  
 Oceania, linguistic history 79–83  
 octopus 379  
 Odisha (Orissa) 277, 280  
   Sundargarh district 280  
 Ohalo (Sea of Galilee) 11, 215  
 oil palm (*Elaeis guineensis*) 21, 76, 472, 483, 484,  
   491, 492  
 Okolište (Bosnia) 572  
 okra 205  
 Oksbjerg, J. 368  
 Ol Ngoroi 482  
 Oliga 490  
 olive oil production 221  
 Olmec 152, 157  
 Orkney 586  
 Orunwanje 95/1 (Namibia) 493  
 Oslonki 599, 600, 601–2, 608  
   copper artefacts 602–4  
   crops 605–7  
   violence 605  
 osteoarthritis 117  
 osteomyelitis 111  
 osteopenia/osteoporosis 110–11  
 Otsuka 369  
 otter 573, 605  
 Ounjougou site (Mali) 74  
 Outram, Alan 13, 125  
 pacay (guama) 541  
 paddy fields 17–18, 146, 327–8, 353–4, 362  
   agricultural tools 364, 366  
   chronology and key sites 354

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- paddy fields (cont.)  
 early 326, 362–6  
 irrigation 364, 369, 371, 406–9  
 Nara basin 387–92 *see also* Nakanishi-Akitsu complex
- Pakistan 268
- Pala, Maria 9
- Palaeolithic (Old Stone Age) 3  
 DNA 41–2, 44, 46
- Palavoy 283
- palm starch 329
- palms 518
- Panama 518
- Pandanus brosimus* 455–7
- Panga ya Saidi Cave 489
- Papua New Guinea 81
- parasites 380
- Passy 563
- pastoralism 2, 13–14, 89  
 African 171–2, 473, 479  
 definition 161, 173  
 meat 13, 164–5  
 milch 13, 165–6, 167–72  
 mobility 161, 163–4, 173–6  
 nomadic 134, 174–6  
 ranchers 13, 166  
 savanna India 282–3  
 territoriality/environment 163–4  
 transhumance 174–7
- Payne, Sebastian 167
- pea 367
- peach 328, 330, 367
- peanuts 85, 331, 520, 541
- pear 367
- pearl millet  
 domesticated (*Pennisetum glaucum*) 285, 474, 477, 484, 489, 491, 506  
 wild (*P. glaucum violaceum*) 477
- Pearsall, Deborah 22
- Peiligang culture 145–6, 320, 336
- Peking Man 313
- pellagra 111
- Peña Roja site (Colombia) 519
- Pengtoushan culture 323, 326
- Pennington, Ruth 102
- Peñon del Rio complex 535
- pepper (*Piper* sp.) 418
- perch 573
- Periano Ghundai (Zhob) 272, 306, 307
- perilla 361
- Perrier, Xavier et al. 436–7
- persimmon 328
- Person, Alain et al. 501
- Peru 22  
 water management 532 *see also* Nanchoch valley
- Peterson, Christian E. 348
- Petrie, Cameron 16, 305
- Petrovka culture 181–3
- Philippines 80  
 occupation 415
- Phung Nguyen Complex 420–1
- phylogeography 26–31 *see also* ancient DNA; mitochondrial DNA
- phytolith analysis 127
- pig  
 Anatolia 220  
 Brześć Kujawski 605  
 burials 422, 423  
 China 145, 146, 323, 328  
 Cyprus 237  
 domestication 20, 413–17, 573  
 eastern India 278  
 Europe 162, 573  
 island Southeast Asia 429  
 Japan, Yayoi period 379, 382  
 mainland Southeast Asia 422, 423  
 New Guinea 467–8  
 origins 43  
 Southeast Asia 17, 438–9  
 Southwest Asia 15, 220  
 wild 605  
 words for 80–1, 89
- pigeon pea 16, 87, 278–9, 284
- pike 573
- Piklihal 282
- Pikutkowo 599, 608
- pistachios 83
- pitpit (*Setaria* spp.) 458
- Pitted Ware culture (PWC) 46, 47
- plaster  
 skulls 135, 136, 231, 233, 235, 255  
 vessels 231
- Pleistocene Ice Age 1  
 China 319  
 climatic fluctuations 214  
 hunter-gatherers 7, 15, 18–19  
 mainland Southeast Asia 417–18  
 New Guinea 454–7  
 population 1  
 rice domestication 325
- Plog, Fred 346, 348
- ploughing  
 Europe 580  
 Nam River valley (Korea) 148

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- ploughs 373, 581  
 plum 367  
 Poland  
   longhouses 573  
   sheep 581  
   *see also* Brześć Kujawski  
 Polynesia, genetic diversity 49  
 population growth 200, 217  
 Possehl, Greg 302, 305, 306  
 potato  
   Americas 85, 517–18, 535  
   China 331  
   Japan 404  
 pottery  
   basket-marked 303, 306, 432–9  
   Boleráz style 573  
   Brześć Kujawski Group 601  
   and burial rituals 441–2  
   cord-impressed 275, 418–19, 420, 429–30, 432–9  
   early Chinese Neolithic 335  
   early farming communities (early Iron Age) 487, 494–6  
   earthenware 432  
   Faïta 510–11  
   and food preparation 315–16  
   grey ware 277  
   Hakra ware 272  
   Ileret 479  
   island Southeast Asia 428  
     Neolithic 429–30, 432–6  
   Jomon 354, 360, 387, 404, 408–9  
   Kalundu tradition 495  
   Kazakhstan 177–9  
   Kechi Beg ware 307–8  
   Lapita 434–6  
   LBK (Kuyavia) 594–6  
   Libya 65  
   lipid residue techniques 168–9  
   mainland Southeast Asia 441–2  
     early Neolithic 419–20  
     Holocene hunter-gatherer 418–19  
     Neolithic 421, 422–3, 425  
     pre-Neolithic 420–1  
   Malongo 490  
   Matola/Silver Leaves ware 495  
   Nderit 479  
   polychrome decoration (Mehrgarh I v and v) 307–8  
   pre-Tichitt 503–4, 510–11  
   red-slipped 430, 435  
   red ware 277, 303  
   South Asia 262  
     eastern India 277, 281  
     Gangetic plains 275  
     northwestern 271, 272, 292, 302–6, 307–8  
   Tichitt tradition 476, 510–11  
   tripod vessels 281  
   Urewe ware 488–9, 494–5  
   Valdivia 524–6  
   Xinglongwa 341  
   Yayoi 355–6, 366, 376–7, 397  
   Yu'usu style (Kyushu) 364  
   Zofipole style 594  
 Pottery Neolithic (PN) 136–7, 212–13, 232–3  
   architecture 228–9  
   material culture 231  
   mortuary patterns 236  
   ritual behaviour 236  
   social organization 235–6  
   Southwest Asia 231, 232–3  
 Pre-Neolithic Pottery Cultures (PNPC) 420–1  
 Pre-Pottery Neolithic (PPN) 212  
 Pre-Pottery Neolithic A (PPNA) 130–4, 212, 215, 219–20  
   architecture 131–4, 222–4, 234  
   material culture 230–1  
   sedentism 222–4  
 Pre-Pottery Neolithic B (PPNB) 134–6, 212  
   agriculture 220  
   animal husbandry 111, 220  
   animal species 247  
   architecture 224–8, 248–52, 256–60  
   climate 215  
   late period (LPPNB) 245–7  
   Levantine villages 152  
   material culture 231  
   middle period (MPPNB) 245–57  
   mixed farming 134  
   plastered skulls 135, 136  
   population growth 245  
   pyrotechnology 231  
   ritual 234–5, 252–4, 256–60  
   social order 233–4  
   social organization 234–5  
   trade 235  
 Pre-Pottery Neolithic C (PPNC) 212, 221, 245, 316  
   animals 247  
   architecture 228, 250–2  
   material culture 231  
 proto-Semites 83–4  
*Prunus armeniaca* 350  
 public buildings 152–3  
 Pueblo period 155

## Index

- pulses  
 Africa 495, 496  
 Americas 520  
 cultivation of wild (West Asia) 130  
 Japan 367  
 South Asia 18, 263, 278, 284
- pumpkin 85  
 Purugganan, Michael D. 298  
*Pyrus betuleafolia* 350  
 Pyzel, Joanna 593
- Qilaotu mountains 338  
 Qinghai province 331  
 Qinling mountains 335  
 Qiujialing culture 327  
*Quercus* sp., *Corylus* 350  
 querns, rotary 330  
 quinoa 520, 535, 541
- Rach Nui 421–2  
 Rahmatabad 268  
 Rana Ghundai (Loralai) 272  
 phase I–II 306  
 phase III–IV 307
- rats 129  
 Real Alto 518, 523, 524–6  
 ceremonial mounds 525–6  
 social organization 523
- red deer 605  
 Red Jungle Fowl 439  
 reedbuck 206  
 reindeer 162, 165  
 religion 234–5 *see also* ritual  
 Renfrew, Colin 26
- rice  
 African 21, 205, 483, 484  
 artificial field systems 326 *see also* paddy fields  
 ball 353  
 China 87, 146, 310, 323–9, 332  
 and dental health 109  
 flooding 376  
 India 278–9, 280–1, 323–5  
 Japan 353–4, 359–61, 377, 387  
 early Yayoi period 366–7, 388–404  
 introduction of 362–6  
 late Yayoi period 370–3, 389  
 middle Yayoi period 367–9, 389  
 nutrition III  
 pottery impressions 408–9  
 seed (words for) 80  
 social implications 376–8  
 South Asia 273–6, 278–9, 280–1, 323–5  
 Southeast Asia 20, 87, 416, 419, 420, 425–6, 428–9, 442  
 species:  
*Oryza glaberrima* 205, 483, 484  
*Oryza rufipogon* 429  
*Oryza rufipogon sensu stricto* 326  
*Oryza sativa* 280–1, 429  
 tools 364  
 wet cultivation 145, 146, 148, 326  
 wild 17, 326, 429  
 yield 401–2, 403–4  
*see also* paddy fields  
 Richards, Martin 9, 31, 112  
 Rindos, David 539
- ritual  
 artefacts (PPNB) 231, 234–5  
 buildings 152–3, 155–6, 256–60  
 burials 252–4, 434–6, 441–2  
 cereal seeds and 25  
 ‘congregations’ 138–9  
 Nanchoc valley 544  
 practices 158, 233–5, 252–4  
 shamanic (Real Alto) 525–6  
 Tichitt 509–10
- Roberts, Charlotte 11  
 rock carving 141  
 roe deer 605  
 Roksandic, Mirjana et al. 117  
 Rome 201  
 Ronen, Avraham 224  
 roots 19, 416, 516–18  
 Russia, forest steppes 164  
 Rwanda 489
- Saami 36  
 Sabaki River 483  
 Sabana de Bogotá (Colombia) 534  
 Saberi Faïta 510  
 Sadr, Karim 494  
 sago 19, 468  
 words for 80–1  
 sago palms 19, 416, 417, 419
- Sahara  
 food production 59  
 rainfall 473
- Sahel  
 material culture 476–7  
 millet domestication 21, 477, 499
- Sahlins, Marshall 581  
 Saikachido (Kanagawa prefecture) 369  
 Saisho, Daisuke 298  
 Salamini, Francesco et al. 298  
 Salque, Mélanie 596

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- Samoa 81  
 San 51–2 *see also* Kung San  
 San Isidro site (Colombian Andes) 518  
 San José Mogote 152–3  
 Sanga cattle 485  
 Sanganakallu 282  
 Sannai Maruyama 378  
 Sanzoudian 350–1  
 Saragi site 409  
 Sarai-Nahar-Rai 276  
 Sarawak 442  
 Sardinia 47  
 Sardinians 36, 38  
 Sargary culture 182  
 Sasuke, Nakao 359, 361  
 savanna India  
   cattle 282, 283  
   crop domestication 281–5  
   Neolithic chronology 281–2  
   pastoralism 282–3  
   sheep 282  
 Savanna Pastoral Neolithic tradition 486–7  
 Sawada, Goichi 402  
 Scarcelli, Nora et al. 437  
 Schlangengraben valley (Germany) 569–70  
 Schwartz, Glenn M. 12, 238  
 scurvy 110  
 seal (animal) 494  
 seals 232–3, 307  
 sedentism 4, 11, 151–2  
   and fertility 118–19  
   Peru 544, 549, 551  
   South Asia 262, 273–6, 280, 285–6, 290–2  
   Southeast Asia 413, 420, 422  
   Southwest Asia 217, 218, 222–9  
   Tichitt 500  
 Semino, Ornella 35  
 Senoi 51  
 Senuwar 275  
 Serengeti plains 483  
 Sergeevka 181  
 sesame 263, 270  
 settlements  
   alluvial fan 305  
   Central Asia 181  
   changes 124–5  
   China 335–8  
   Chulmun/Mumun 148–50  
   Ecuador 524–6  
   European 137–9, 559–61, 569–73, 591–7  
   flat 557, 569, 584  
   Jomon settlements 389–91, 405  
   Levantine Pottery Neolithic 136–7  
   Linear Pottery (*Linearbandkeramik*, LBK)  
     137, 556, 559, 568, 569–70, 572–3, 580,  
     581, 591–7  
   mounds/tells 501, 557, 566, 569, 571–3  
   Natufian 129, 222  
   pit-house (Southwest Americas) 154–5  
   raised platform 421–2  
   South Asia 301–2  
   Tichitt 499, 505–10  
   Yayoi:  
     early 366–7, 388–404  
     middle (Japan) 367–9  
     late 370–3  
     *see also* villages  
 Sha'ar Hagolan 136, 229, 232  
 Shabik'eschee Village 154–5  
   ritual buildings 155–6  
 Shah-Maran 268  
 Shangsans 326  
 Shawoli 320  
 Shea (Karité) (*Vitellaria paradoxa*) tree 483  
 sheep  
   China 330–1  
   Europe 573, 581, 605  
   genetic origins 300  
   Jenne-jeno 206  
   Kazakhstan 176  
   savanna India 282  
   selective breeding 172–3  
   South Asia 16, 274, 300  
   Southwest Asia 15, 83, 162, 220  
   sub-Saharan Africa 479, 485, 486,  
     493–4, 495  
   terms for 64, 70–1, 83, 89  
   wild 172–3  
     Levant 130  
     northwestern South Asia 269, 293, 300  
 Shelach, Gideon 348  
 shell artefacts 230, 231, 295, 422–3  
 shellfish 419, 474, 492, 494, 495, 578  
 Shennong (the divine farmer) 332  
 Sheri Khan Tarakai (Bannu basin) 262, 306  
 Sherratt, Andrew 13, 166–8, 173, 321  
 Shijiahe culture 327  
 Shijo-Shinano 400, 403  
 Shimoyakebe (Tokyo) 362  
 shiso minto 361  
 Shixia site 419  
 Shizitan 319  
 Shum Laka rock shelter 490, 491  
 Shunpei, Ueyama 359  
 Siberia 162, 174  
 Silver Leaves site 496

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- Sindh 268  
 Sintashta culture 181  
 Sipplingen (Lake Constance) 138  
 Situmpa 495  
 skeletal evidence  
   accidental injuries 117–18  
   aging of 99  
   bone modifications 604  
   changes and living environment 20, 113–18  
   collection of data from 98–102  
   effect of diet 108–13, 141, 604, 608–9  
   evidence of violence 117–18, 605  
   growth retardation 108, 111, 119  
   health indicators 100–2  
   indicators of response to agriculture 105, 107–21, 604, 608–9  
   stable isotope analysis 112–13, 141 *see also* skulls  
 skulls  
   cattle 138, 230, 234  
   cribra orbitalia 108, 111, 118, 120–1, 604  
   Niah Cave 433–4  
   plastering/painting 135, 136, 231, 233, 235, 255  
   porotic hyperostosis 108, 111, 118, 120–1  
   removal 135, 235, 254, 434  
   shape 111  
 slave trade 508  
 Smith, Bruce 218  
 Smólsk 594, 599  
 Soares, Pedro 9, 35  
 social interaction, evidence of 142  
 Soga River 392  
 soil, black palaeosol 405–6  
 Solomon Islands 81  
 Somba cattle 485  
 Soreq Cave (Israel) 215  
 sorghum  
   Africa 205, 479, 484, 489, 495, 496  
   savanna India 285  
   seeds (Nabta Playa) 67  
   use in alcohol 25  
 South Africa 493 *see also specific sites*  
 South America, raised fields 535  
 South Asia 16–17  
   animals 263–4, 269–70, 278–9  
   Chalcolithic culture 272  
   domesticates 263–4, 269, 278–9  
   monsoon 261–2  
   Neolithic chronology 262–3  
   northwestern 269  
   pottery 262, 271, 272, 275, 277, 281, 302–5  
   terracing 534  
   transition to agriculture 270–3  
 Southeast Asia *see* island Southeast Asia; mainland Southeast Asia  
 Southwest Asia (Near East) 4, 7, 15–16  
   chronology 212–14  
   consequences of Neolithic lifestyles 238–9  
   domesticates 219  
   economic nature of the Neolithic 219–21  
   environment and climate 214–16  
   first villages 222–9  
   linguistic history 83–4  
   material cultures 229–33  
   Neolithic cultures 210–12  
   regional cores and the expansion of the Neolithic 236–8  
   sedentism 222–9  
   social orders 233–6  
   theories on the Neolithic 216–19  
   *see also* 'Ain Ghazal  
 soybeans  
   China 17, 322, 332, 350  
   Japan 18, 322, 361, 367  
   Korea 322  
 Spengler, Oswald 187  
 Spirit Cave 418  
 Spoegrivier (South Africa) 493  
 Spriggs, Matthew 430–1  
 squash 22, 85, 516–17  
   Eastern Woodlands 529  
   Ecuador 518  
   Mexican highlands 151  
   Panama 518  
   *pepo* 522  
   Peru 541, 544  
   Southwest North America 154  
 stable isotope analysis  
   crops 127, 145, 338  
   evidence of rice consumption 425–6  
   oxygen 175  
   skeletons 112–13, 127, 141, 154, 321–2, 351–2, 362  
   speleothem analysis 215  
 stag beetle 404  
 Starčevo culture 556, 568  
 Stepleton enclosure (Hambledon Hill) 142  
 Stone Age *see* Mesolithic; Neolithic;  
   Palaeolithic  
 stone wall systems 580  
 Stone, Glenn D. 201  
 Stone-to-Metal Age (SMA) 490, 491  
 Stonehenge 586  
 storage  
   ceramic vessels 145, 148  
   exclusive 137, 138, 148, 152, 156–7, 372

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)*Index*

- raised floor 366, 373–4  
 shared 150, 156, 367, 373–4  
 storage pits 145, 148, 152, 154, 335, 346–9, 403, 408, 496  
 straw 163  
 structures (Mehrgarh) 304  
 urban centre 198  
 Suberde 213  
 Sudan, Atabi sites 477  
 Sugao, Yamanouchi 355  
 sugarcane 80–1, 446, 458, 468  
 Suganya 486  
 Sugitani Chanobatake 353  
 Sulawesi 416  
 Sumatra 416  
   geography 413  
 Summer, Alan 15  
 Sunazawa (Aomori prefecture) 369  
 sunflower 22, 522  
 Sunshu Ao 312  
 Sur Jangal  
   phase 1–11 306  
   phase 111 307  
 Surab  
   phase 11 306  
   phase 111 307  
 surplus 14, 157, 187–207, 540, 551  
 Suthiragasa, Nikhom 423  
 sweet potato 85, 467–8  
 swidden agriculture (slash and burn) 126, 145, 359, 417, 420, 439–41, 462, 490–1  
  
 Tabaqat al-Buma 136  
 Tach Lac (Ha Tinh province) 421  
 Taihang 335  
 Taiwan 80  
   dispersal from 50–1, 429–30  
 Takaki, Sasaki 359  
 Takeru, Akazawa 366  
 Talheim 142  
 Tamade site (Gose city) 389–91, 392, 408  
 Tambul 464  
 Tamil Nadu 282  
 Tappeh Rahmatabad 301  
 Tareyanagi (Aomori prefecture) 369  
 taro (*Colocasia esculenta* L.)  
   island Southeast Asia 19, 416, 437, 440, 446, 458, 462, 463, 468  
   South Asia 263, 280  
 Taro, Okamoto 359  
 tattoos 435  
 taurine cattle 485  
 Tayles, N. et al. 110–11  
  
 Tchissinga West 492  
 teeth  
   changes in shape 111–12  
   enamel hypoplasia 108, 111, 119–20, 604  
   gender differences 109  
   grooves 604  
   isotopic record 175–6  
   wear and disease 103, 107, 108–10, 380  
 tef 21, 479  
 Tekkalokota 282  
 Tell Abr 3, 223  
 Tell Aswad 254  
 Tell Ramad 254  
 Tell-e Atashi 301  
 tells 557, 566, 569, 571–3, 584  
 Temple, Daniel H. 109, 380  
 teosinte 22, 514–15 *see also* maize  
 Teotihuacan 194  
 Teouma cemetery 434–6  
 tepary bean 520  
 Tepe Abdul Hossein 301  
 Tepe Guran 301  
 Terasawa, Kaoru 401  
 terracing 199, 533–4  
 Tersek culture 177–9, 181  
 textile production  
   China 328  
   South Asia 262, 270  
 Thailand  
   climate 411  
   dispersal from 419  
   foraging practices 418  
   geography 413  
   Neolithic 422–5  
   rice 442  
   swiddening 439  
 Thar desert 286  
 Thomas, Ken D. 305  
 Thukela basin (KwaZulu-Natal) 494  
 Tian Shan 174, 177  
 Tibet 331  
 Tichitt tradition (West Africa) 499  
   chronology:  
     pre-Tichitt (Tichitt phase 1, Akreijit phase) 500–6  
     early Tichitt (phases 2 and 3, Khimiya/Goungou phases) 506–7  
     classic Tichitt (phases 4–6, Nkahl/Naghez/Chebka phases) 507  
     late Tichitt (phases 7 and 8, Arriane/Akjinjeir phases) 507–8  
   origins of agriculture 499–505  
   settlements 499, 505–10



Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- Tichitt tradition (West Africa) (cont.)  
 sociopolitical definition 508–10  
 trade networks 509
- Tichitt-Oulata-Néma 474, 477
- Tierras Largas 152, 153
- Tilemsi valley 474, 477, 505
- timber 361
- Tiwanaku 534–5
- tobacco 517
- Tobol River 181
- Tokwa 274, 275–6
- tombs *see* burial monuments/tombs
- Tonga 81
- tools and artefacts  
 antler axes (T-axes) 604, 605, 608, 609  
 arrowheads 372–3, 421  
 bark cloth beaters 421, 430  
 bone 177, 230, 231, 278, 338, 442  
 chipped stone 230, 231–2, 335, 341–2, 360, 510–11, 526  
 clay balls 421  
 clay bow pellets 421  
 copper 591, 602–4  
 dolerite 280  
 edgeground axes 420  
 farming, Americas 530  
 figurines 143, 230–1, 232–3, 234, 236, 292  
 flaked stone 177, 486  
 flint 601  
 grinding 129, 319, 335, 338, 341–2, 372–3, 419, 526  
 ground stone 129, 177, 181, 229–30, 231–2, 421, 462, 486, 544, 595, 601  
 harpoons 278, 421  
 hoes/mattocks 364, 530  
 iron 372–3  
 jadeitite axes 142, 574, 576  
 lunates 230  
 maceheads 150  
 microblades 177  
 microliths 229, 335, 338, 341–2  
 movement of 142  
 picks 364  
 planting/digging 275  
 polished stone 335, 510–11  
 adzes 421  
 bars (Jomon type) 366  
 celts 230, 275, 278, 280  
 reaping knives 364, 366, 400  
 pounding 129, 595  
 quem stones 275, 372–3  
 reaping knives 150, 364, 366, 372–3, 400  
 shell 230, 231, 295, 422–3, 430  
 sickle blades 230, 372–3  
 slate spear points 429–30  
 spades 364  
 spade-shoes 372–3  
 spindle whorls 150, 232, 328, 372–3, 421, 430  
 stamp seals 232  
 stone 280, 417–18, 419, 441  
 adze 422–3, 430  
 arrowheads 421  
 axes 75–6, 142, 372–3, 530, 601  
 bangles 421  
 blades 280  
 bracelets 421  
 flakes 280  
 jewellery 231  
 net sinkers fishing 150, 419, 430  
 reaping knives 372–3  
 swords 150  
 unifacial 544  
 vases 230  
 wooden 364, 530
- Torihama (Fukui prefecture) 362
- Toro (Shizuoka) 356, 362, 371
- Torrioni, Antonio 32
- Toteng (Botswana) 493
- Totman 383
- Townsend, Patricia K. 96
- trade 234, 235, 302, 505, 508, 509
- transhumance 13, 174–7, 183, 302  
 urban 198
- Trebur (middle Rhine, Germany) 141
- tree cotton (*Gossypium arboreum*) 263, 270, 285
- tree-rings 197
- trees  
 Americas 152, 516–17, 518, 529  
*Castanopsis* sp. 458  
*Casuarina* tree fallowing 467  
 fruit 152, 279, 285, 328, 516–17  
 management of 131, 279  
 Nakanishi-Akitsu 400–1, 404–5  
*Nothofagus* 457  
*Pandanus* spp. (New Guinea) 455–7, 458, 462  
 West African 483–4
- Tres Ventanas Cave 520
- Trigger, Bruce 193–4
- Truswell, A.S. 103
- Tsavo 483
- tsetse fly 482
- Tuareg 172, 173
- tuberculosis (TB) 113, 121

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- tubers  
 Americas 516–18, 520  
 China 319  
 South Asia 280  
 Southeast Asia 19, 416  
*see also under individual names of species*  
 Turkana basin (Kenya) 479  
 Turkey 213  
 animal domestication 220  
 architecture 224, 228  
 turkey 162  
 turquoise 295  
 turtle 605
- Uivar (Romania) 569, 572  
 Ulu Leang (Sulawesi) 429  
 Underhill, Peter 36  
 upper Khabur basin (Syria) 195  
 Ur, Jason 195  
 Ural mountains 181  
 urban agriculture  
 decision-making 196–203  
 diversification and intensification  
 strategies 198–9  
 growth and sustainability 199–201  
 technologies 198  
 urban despotism 190–2, 196  
 urban hinterland 192–6  
 urbanism 13–14 *see also* cities; urban  
 agriculture  
 urd bean 86  
 Urewe sites 488–9  
 Uryudo 367  
 Usenge 3, 489  
 Utah 154–6  
 Utnar 282
- Vaihingen an der Enz 141, 569–70, 572, 576,  
 580, 596  
 Valencina de la Concepción 577–8  
 Vam Co Dong drainage system 421  
 Vam Co Tay drainage system 421  
 VanDerwarker, Amber M. 152  
 Vanuatu 81  
 Varna 574, 576, 586  
 vegetural systems 415–17, 420, 439–41, 442  
 Vietnam  
 burials 420  
 dispersal from 419  
 Hoabinhian tools 417–18, 420  
 Neolithic 421  
 pottery 441–2
- Pre-Neolithic Pottery Culture (PNPC)  
 420–1  
 swiddening 439  
 villages  
 Formative period 151–2  
 Neolithic 222–9  
 northwestern South Asia 267–70  
 origins of (theory) 217  
 PPN/PN 135–6  
*see also* settlements  
 Vinča-Belo Brdo (Serbia) 557  
 violence 19, 117, 584, 605, 608–9  
 Vita-Finzi, Claudio 321
- Wadh Lang'ō 489  
 Wadi en-Natuf 129  
 Wadi Faynan (Feinan) 16, 132, 223, 233  
 Warrawau 464, 466  
 water buffalo 146, 148, 150, 263, 270  
 waterchestnuts (*Trapa natans*) 326, 367, 418  
 waterfowl 206  
 Watgal 282  
 Watson, Patty Jo 315  
 wax gourd 469  
 Webber's Line 411  
 Weber, Max 187, 190, 196, 199–200  
 Weber, Steven et al. 426  
 weeds 126–7, 130, 138  
 control 68, 530  
 disturbance-tolerant (PPNB) 134  
 isotope analysis 126–7, 130, 138
- West Africa  
 agricultural practices, evolution of 74–7  
 cattle breeds 485  
 climate variability 197  
 crops 21, 24, 76, 472, 483  
 Dahomey Gap 484  
 environmental shift 59  
 linguistic record 71–4  
 Microlithic tradition 74  
 urbanism 188  
 wild food 484  
 wild plants 205  
*see also* Tichitt tradition
- West Asia, agricultural communities 128–37  
 Westropp, Hodder 3, 7  
 wheat  
 China 330–1, 332  
 Europe 605  
 free threshing 269  
 genetic analysis of 298–9  
 hexaploid 298

Cambridge University Press

978-0-521-19218-7 - The Cambridge World History: Volume I I: A World with Agriculture, 12,000 Bce–500 Ce

Edited by Graeme Barker and Candice Goucher

Index

[More information](#)

## Index

- wheat (cont.)  
 Japan 354, 404  
 nutritional deficiency 111  
 primitive 15, 83  
 South Asia 16, 269, 274  
 Southwest Asia 15, 17, 83  
 use in alcohol 25  
 wild 16  
*see also names of individual species*
- wheeled vehicles 141, 582
- Whittle, Alasdair 9, 22
- wild boar 378–9, 438
- Wills, W.H. 154
- Wilson, A.C. 26–7
- Windé Koroji Ouest 474, 477
- wine 83, 221
- Wittfogel, Karl A. 186, 187, 191, 199
- women  
 central role 524, 525–6  
 depiction of 143  
 and ritual 525
- wool 161, 165–6, 167, 172–3, 581
- Woolley, Sir Leonard 213
- work parties 153, 159
- Wuluoxipo 320
- Xiachuan 319
- Xiaohexi culture 336
- Xiaoheyan culture 336
- Xihuatoxtla shelter 521, 526
- Ximen Bao 312
- Xincun site 419
- Xinglonggou 17, 320  
 architecture 343–9  
 burials 345  
 houses 337–8  
 landscape 338–41  
 location 336–7  
 material culture 338, 341–3, 345  
 millet consumption 351–2  
 millet production 349–51  
 storage 346–9
- Xinglongwa culture 321  
 sites 336 *see also* Xinglonggou  
 subcultures 336
- Xinjiang 331
- Xinle 320
- Xiong Haitang 315
- Xishuipo 323
- Yahwism 188–90, 195
- yam  
 aerial 77, 81
- Africa 76, 80–1, 491  
 greater (*Dioscorea alata*) 81, 437–8  
 proto-Malayo-Polynesian word for 85  
 South Asia 280  
 Southeast Asia 416, 437–8, 440, 446, 458,  
 462, 468  
 West African (*Dioscorea* spp.) 483, 484
- Yangtze River 274, 310–12  
 basin 323–9  
 rice cultivation 146  
 valley 87, 145, 146, 310
- Yarmoukian Pottery Neolithic 245, 250–2,  
 257–60
- Yashiro (Nagano prefecture) 369
- Yayoi  
 animals 379  
 early phase 366–7, 388–404  
 evidence of trade 372  
 farmers 380–1  
 late phase 370–3, 382, 389  
 material culture 356, 372–3  
 middle phase 367–9, 389  
 migration 18  
 myth 376–8  
 paddy fields 355–6, 362–73  
 period 354, 387  
 settlements 366–73
- Yellow River 310–12, 322, 329  
 valley 145
- yields, decline in 200
- Yitai 335
- Yoruba 194–5, 201–2 *see also* West Africa
- Yoshinogari (Saga prefecture)  
 356, 372
- Younger Dryas stadial 130, 215
- Yuezhuang 320
- Yukio, Kobayashi 377
- Zagajewice, 599  
 LBK settlement 593
- Zagros mountains 216  
 foothills 297
- Zarqa River 243, 245, 248, 249
- Zawi Chemi Shanidar 130
- zebu cattle 263, 270, 274, 300–1, 485
- Zengpiyan 418–19
- Zhang, C. 419
- Zhao Zhijun 17, 349
- Zhaobaogou culture 336
- Zhaojiazhuang 330
- Zhoukoudian Cave 313
- Zilum, Gajiganna phase 111 site 485
- Zohary, Daniel 297