

INDEX

Italics refer to a figure or a table, bolded type indicates a main treatment

aerobic dive limit (ADL, cADL)

calculation of 326–7, 332

historical development of concept 328–32

longest field dives compared with 323

aerobic diving/submergences 320–7, 323

‘aestivation’ 421

in *C. johnstoni* 421–3

in *C. niloticus* 368

in *Caiman yacare* (probably) 368

use of term (inexact) 366–7, 421

aetosaurus 50, 55–6, 57

affinities between extant species 44, 45, 47–9

African slender-snouted crocodile *see Mecistops*

cataphractus and *Mecistops* sp. nov. cf.

cataphractus

age at maturity 434, 551

age determination 549–51, 550

alkaline tide 232–4

Alligator mississippiensis 3, 5, 6, 16–18, 21–2, 37, 45, 82, 86

affinities 45, 48

alkaline tide in 232–4

attacks on humans 610, 613, 616

bellowing 153, 158, 186, 436–9, 437–9

biochemistry and metabolism 245–6, 246, 247–53, 251

bite force 114, 115, 115

brain 189–90, 190, 192

buoyancy 145, 153–61

burrowing 367–8, 423

cannibalism 543–4, 543, 545, 546

colour, camouflage 86–7

commercialisation and management 582–3, 588, 591–3

condition factor 236

conservation status 586

courtship 436, 461–4, 465–6, 466

crèche formation 506–7

diet 215, 215, 218, 234

distribution 525, 527

diving 310–13, 311, 313, 320–9

eggs and development 483, 486–7, 489

feeding 152, 212, 218–19, 220, 225, 232, 227

food conversion ratio (FCR) 237

gaping 371, 371

genome 21, 47

hearing 181–9, 184–5

heart and circulation 273–7, 276, 283–303

hormones and hormone cycles 434, 450–1, 460

hunting 596–7

infrasound 184–5, 186

ISOs 99, 106, 195, 196–200, 197, 200

locomotion 137–8, 139, 140–2, 145

metabolism 145, 245–56

movement/travel 161–8, 162–7

multiple paternity 467–8

musculature 123–6

narial geysering 442

nest defence 479, 481, 484

nest environment 488, 493

nests, nesting 470–2, 471, 474, 478, 484, 488–9, 491, 492, 493

nuisance alligators 593, 618

olfaction 190–2, 193, 194

osmoregulation 70, 398, 401–3, 402, 409–10, 416–18, 417–19, 421, 424

ovaries, ovulation 454, 456–61, 460,

penis 450