

Index

- abdominal muscles, 141–2
- aconite, 72–3
- acupuncture and acupressure, 20, 84–97
 - basic principles, 85–8
 - point location and selection, 92–3
 - point stimulation, 90–91
 - techniques and applications, 94–5
- alfalfa, 50–51, 51–63, 65
- all-weather surfaces, 226
- anatomy and physiology, 10–21, 223
 - cardiovascular system, 15–17
 - cellular organisation and biology, 10–12
 - digestive system, 20–21
 - joints, 12–13
 - ligaments, 13
 - lymphatic system, 17–18
 - muscles and tendons, 13–14
 - nervous system, 19–20
 - renal system, 21
 - respiratory system, 18–19
 - surface landmarks, 108, 171–2
- apparatus, 196–7
 - cavaletti, 208–9
 - poles, 196, 206–8
- arc of movement, 131–2
- archaeological findings, 2–4
- arnica, 72
- assessment and observations, 82–3
- autonomic nervous system, 19–20
- axial skeleton, 134–43
 - leverage, 136–41
 - muscle support, 141–2
 - stability, 135–6
- Bach Flower remedies, 74–5, 76
- back
 - massage routines, 110–11, 116–17
 - specific exercises, 177–8
 - strain, 79–80
 - stretches and passive movements, 123–5
 - see also* axial skeleton
- balance work, 198–9
- balancing rein, 211
- barefoot riding, 26
- beaches, 168
- bedding, 224
- behavioural patterns
 - group hierarchies and companionships, 9, 158
 - and learning, 9, 154–7
 - see also* reactions and responses; obedience issues
- belladonna, 72–3
- birth, early imprinting, 8
- bitless bridles, 6–7
- bits and bridles, 607
- bladder, 21
- blood
 - cell biology, 15
 - circulation, 16
 - lifecycle and functions, 15–16
 - tests, 16–17
- body language, 8
- body reflexes, 6–8, 154–5
- bone, 11–12
- bran mash, 38
- bran poultice, 76
- bread poultice, 76
- ‘break over’, 138, 139–41
- breathing problems, 18–19
- bridles *see* bits and bridles
- bridle-less riding, 155
- bruising
 - herbal remedies and homeopathy, 72, 76–7, 80
 - massage techniques, 117
 - bungee rein, 211–12
- cabbage poultice, 77
- calcium, 30, 43, 58–9
- cannon bone, 12
- carbohydrates, 42
- cardiac muscle, 13
- cardiopulmonary training, 189–90
- cardiovascular system, 15–17
- cartilage, 12–13
- cavaletti, 208–9, 213
- cayenne, 56
- cell biology, 10–12
- central nervous system, 19
- centre of gravity, 175–6
- cervical vertebrae, 136–7
- chambon, 211
- chemical sprays, 225
- chickweed, 52–61
- Chinese medicines
 - basic principles, 85–8
 - diagnostic principles, 88–90
- chlorine, 44
- chromium, 43
- circle exercises, 159–60
- circuit design, 196–7
 - aims and objectives, 197–201
 - see also* programme design; training
- circulatory system, 16
- Classical training principles, 170, 175
- coat conditions, 23, 27–8
- colds, 80
- chomfrey
 - ingested, 51–64
 - poultice, 77

- companionship, 158
 competition requirements,
 214–15
 compression techniques, 104
 conformation, 158–9
 connective tissue massage,
 12–13
 copper, 32–3, 37–8, 44, 59
 coughs, 80
 cranial nerves, 19
 creatinine kinase (CPK), 17
 cross breeds, 133
- dandelion, 51–63
 de Gogue rein, 212
 dehydration, 28, 96
 dermatomes, 20
 diagnosis
 assessment and observations,
 82–3
 blood tests, 16–17
 Chinese medical principles,
 88–90
 diatomaceous earth (DE), 33,
 38
 diet, 2–3, 5–6, 30–38, 39–68
 function of nutrients, 40–46
 carbohydrates, 42
 fats and oils, 42–3
 minerals, 43–5, 57–64
 protein, 41–2
 vitamins, 45–6, 50–57
 water, 40–41
 ground nutrition and soil
 condition, 33–6, 39
 inclusion of additives, 37–8
 inclusion of herbs, 36–7,
 48–65
 training needs, 173–4
 use of balanced feeds, 30–33
 digestive system, 20–21
 domesticated horses, cf. natural
 living conditions, 5–6
 draw reins, 210–11
 droppings, 29
- early imprinting, 8
 echinacea, 62–3
 effleurage, 102–4
 electrolytes, 38
 energy paths, 85
 equipment *see* apparatus
 exercises
 choice considerations, 174–6
 duration, 175
 overload, 199–200
- recovery periods, 200–201
 specific activities, 177–86
see also training
 eyes, 28
- faeces, 29
 falls and injuries, massage
 techniques, 116–17
 farriers, 26–7
 Fartlek training, 181
 fast twitch muscles, 132–3, 162
 fatigue, 183–5, 96
 fats and oils, 42–3
 fear reactions, 8, 9
 feed requirements *see* diet
 feet, 24–6
 reshaping, 26–7
 trimming, 25
 fences, 196
 fennel, 51, 59, 63
 fetlock joints, 12
 stretches, 122
 finger massage, 105
 first aid
 homeopathic remedies, 71–3
 use of ice massage, 112
 the 'five elements', 87–8
 fluid intake, 40–41
 fluorine, 41, 44, 59–60
 friction techniques, 105
 front limbs, 143–4
- garlic, 59–64
 ginger, 59–62
 goose grease, 77
 greasing, 27–8
 grooming activities, 6, 225
 avoiding reflex areas, 6–7
 coat conditions, 27
 grooming products, 6, 27–8,
 225
 ground conditions, 152–3, 197
 all-weather surfaces, 226
 beaches, 168
 deep going, 168
 indoor arenas, 225–6
 slopes, 165–6
 undulating, 166–8
 see also soil conditions
 gum conditions, 23, 28
 gymnastic equipment *see*
 apparatus
- haemoglobin, 15, 17
 handling, avoiding reflex areas,
 6–7
- hawthorn, 52–64
 hay quality, 45
 head region
 conformation, 158–9
 stretches and massage,
 116–17, 119–20
 see also axial skeleton
 health assessments, 82–3
 health indicators, 22–3
 heels, greasy, 80
 herbs, 36–7, 48–65
 historical uses, 49–50
 mineral contents, 57–64
 vitamin contents, 50–57
 hierarchies and group
 behaviours, 9
 hind cannon, 12
 hind limbs, 144–7
 specific training exercises,
 181–3
 hip joint, stretches and passive
 movements, 122–3
 hock joint, 21
 homeopathy, 70–73
 honey, 77
 hoofs, 24–5
 hops, 52–64
 horse boxes, 226
 horse riders, physical fitness,
 192–4
 hyaline cartilage, 12–13
- ice massage, 112
 imprinting mechanisms, 8
 indoor arenas, 225–6
 injections, 24
 injuries and falls, massage
 techniques, 116–17
 interval training, 190–91
 iodine, 60
 iron intake, 18, 35, 44, 60
 isometric tension, 130
 isotonic tension, 130
- joints, 12–13
- kelp, 51–64
 kidneys, 21
 kneading techniques, 104, 108
 knee movements and stretches,
 121–2
- laboratory tests, blood, 16–17
 lactate levels, 185
 lameness, causes, 12–13
 laminitic rings, 25

- laser acupuncture, 91
lateral movement, 147–50
 specific exercises, 179–80, 182–3
learning, 9
 and training, 154–7
leeches, 78
leverage, 136–8
ligaments, 13
 nuchal, 138–41
limbs
 front, 143–4
 hind, 144–7
linseed, 38, 55, 77
long reining, 201–2
lumbar vertebrae, 137–8
lungeing, 202–6
lungs, 18–19
lymphatic system, 17–18
- magnesium, 44, 61
man–horse relationships, 5
mane and tail, 28
manganese, 44, 60–61
massage, 98–125
 basic rules, 102
 effects and properties, 20, 99–102
 general points, 109–10
 pre- or post-competition, 115–18
 stretches and passive movements, 118–25
 stroke directions, 107
 suggested routines, 110–11
 surface anatomy, 108
 Swedish techniques, 102–6
 techniques for conditioning, 106–12
 underwater techniques, 113–15
 use of ice, 112
 use of machines, 111–12
 see also acupuncture and acupressure
meadow flora, 67
memory, 8–9
meridians, 85, 93
metabolic waste products, 173, 185
minerals, 30–33, 43–5
 depletion, 43
 herbal sources, 57–64
 and soil conditions, 33–6
 toxic, 64–5
motor neurones, 20
- movement
 anatomical considerations, 134–42
 appendicular skeleton, 143–53
 axial skeleton, 134–43
 muscle properties and types, 13–14, 129–33
 control, 9–10
 lateral, 147–50
 stay systems, 150–51
 faulty patterns, 189–91
 understanding activity, 152–3
muscle fatigue, 183–5
muscle groups, 116
muscle preparation and conditioning, 161–3
muscle properties, 13–14
 breed characteristics, 133
 fibre types, 132–3
 functions and activities, 129–32
muscle stiffness, 185
 acupressure therapies, 96
 passive movements and stretches, 118–19
muscle tears
 investigations, 17
 massage techniques, 117–18
- natural horsemanship, 2–4
 health maintenance principles, 224–6
 training aims and principles, 157–60, 218–19
natural living conditions, 2–4, 5
- neck region
 conformation, 158–9
 massage techniques, 110
 specific exercises, 177–8
 stretches and movements, 116–17, 119–20
 vertebrae and ligaments, 136–7, 138–41
- nervous system, 19–20
nettles, 78–9
nitrates and nitrite, 41
nuchal ligament, 138–41
nutritional requirements *see* diet
- obedience issues, 199
obesity, 31–2
observations and assessments, 82–3
- oil seed rape, 225
old-fashioned remedies, 76–80
oxygen requirements, 18
- PABA (para-amino-benzoic acid), 57
parsley, 59–63
passive movements and stretches, 118–25
pastern bones, 12
peppermint, 51, 59–63
percussion techniques, 106
peripheral nervous system, 20
permacultures, 34–5
phosphorus, 44, 61–2
points (acu), 86–7
 location and selection, 92–3
 stimulation, 90–91, 94–7
poles, 196, 206–8
poll, 6, 138
postural muscles, 177
potassium, 44, 62
pressure points *see* points (acu)
probiotics, 32
programme design, 221–2
proteins, 41–2
- range of motion, 131
reactions and responses, 8
 and desensitisation, 9
 survival reflexes, 6–7
recovery periods, 200–201
red blood cell (RBC) count, 17
red clover, 51–64
reflex responses, 6–8, 154–5
reins, 210–12
renal system, 21
 urine abnormalities, 28–9
resistance training, 164–8
respiration, 18–19
rhabdomyolysis, 185
riders, physical fitness, 192–4
road work, 153
rock salt, 32–3, 38, 63
rolling behaviours, 79–80
rose hips, 51–2, 55–6, 59, 62
rosemary, 59–62
running reins, 210
running speed, 22
- St Johns Wort (hypericum), 72
saltpetre, 28
selenium, 44, 63–4
self-grooming, 156
sesamoids, 12

- shoulder region
 - massage techniques, 110
 - movements and stretches, 120–21
- skeleton, 11–12
- skin *see* coat conditions
- skin rolling techniques, 20, 104–5
- slow twitch muscles, 132, 162
- sodium, 44, 62–3
- soil conditions, 33–6
 - see also* ground conditions
- Sore No More, 79
- space requirements, 158
- spine, 134–5
 - leverage, 136–41
 - stability, 135–6
- spleen, 15
- splint bone, 12
- stabling and bedding, 224
- stay systems, 150–51
- stifle joint, 12
- strains, 80
- stress, acupressure therapies, 96
- stretches and passive movements, 118–25
- sulphur, 44, 63
- sunlight, 46–8
- sunstroke, 96
- supplements, 66–8
- surface anatomy, 108, 171–2
- surfaces *see* ground conditions
- survival mechanisms
 - body reflexes, 6–8, 154–5
 - neurological imprinting, 8
- sweat, electrolyte replacements, 38
- synovial fluid, 12–13
- tendons, 14
- time requirements, 157, 158
- tissue fatigue, 19
- torn muscles, massage techniques, 117–18
- touch, 109
- toxic substances, 64–5, 66
- trace elements, 34
- training, 154–68, 188
 - aims and basic principles, 157–60, 218–19
 - anatomical perspectives, 170
 - importance of body reflexes, 154–5
 - balance work, 198–9
 - cardiopulmonary, 189
 - checks and pre-conditions, 155
 - circuit design, 196–7
 - early activities, 152–3
 - environmental considerations, 158, 160
 - exposure to competition requirements, 214–15
 - natural approach methods, 160–68
 - obedience issues, 199
 - pacing and timing, 213–14
 - particular problems
 - domestic living, 183–6
 - faulty movement patterns, 189
 - overload, 199–200
 - physical requirements, 157
 - programme design, 221–2
 - recovery periods, 200–201
 - resistance work, 164–8
 - schedules and intervals, 190–91
 - specific exercises, 173–86
 - appendicular muscles, 177
 - back and neck, 177–8
 - choice considerations, 174–6
 - hind limbs, 181–8
 - long reining, 201–2
 - lungeing, 202–6
 - postural muscles, 177
 - thoracic sling, 178–80
 - work in hand, 206
 - treats and rewards, 156
 - use of artificial aids, 210–12
 - use of poles and cavaletti, 206–9
 - walking routines, 163
- travel, 226
- treats and rewards, 156
- triple burner, 90
- turfs, 38
- udder cream, 27–8
- under-run heels, 26
- underwater massage, 113–15
- upper airway disease, 18
- urine, 28–9
- vegetables, 38
- vitamins, 45–6, 47
 - herbal sources, 50–57
- vitamin A (retinol), 46, 51
- vitamin B, 46
- vitamin C, 46
- vitamin D, 46, 47, 54–5
- vitamin E, 55
- vitamin H, 56
- vitamin K, 56
- vitamin P, 56
- vitamin U, 57
- walking, 152–3, 163
 - specific exercises, 178, 179–80, 182–4
- water
 - as coolant, 79
 - fluid intake, 40–41
 - resistance training, 167–8
- weight problems, 31–2
- weights, 177
- white blood cell (WBC) count, 17
- work in hand, 206
- worming, 24, 80
- yin and yang, 85
- zinc, 45, 64