

**Materia Medica
Clinical Manifestations
Toxicology
Affinities
Biological Profiles
and
Characteristics
of**

ARTHROPODS



Saltire Books

Saltire Books Limited, Glasgow, Scotland

Published by Saltire Books Ltd

18–20 Main Street, Busby, Glasgow G76 8DU, Scotland
books@saltirebooks.com www.saltirebooks.com

Text © Frans Vermeulen

Cover, Design, Graphics and Layout © Saltire Books Ltd 2023



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Saltire Books

First published in 2023

Typeset by Type Study, Scarborough, UK in 9.5/12pt Stone Serif

Printed and bound by CPI Group (UK) Ltd, Croydon, CR0 4YY, England

ISBN 978-1-908127-36-5

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A catalogue record for this book is available from the British library

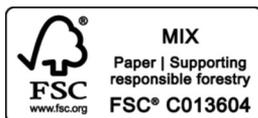
For Saltire Books

Project Development: Lee Kayne

Editorial: Steven Kayne

Design: Phil Barker

Graphics credits: Shutterstock



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Essentials & Peculiarities of Acari

History. Distribution. Tiny, cryptic & escalating. Price & prize of size. Eating at another's table.

Essentials & Peculiarities of Mites

Legs & eyes. Lifespan & lifestyle. Pests, predators & scavengers. Miserable might of the miniscule. Mite's mighty itch. Intolerable & maddening. Irritation & itching recorded for the mite-related remedy Psorinum. Scrub typhus. Limited abilities – needing help. Hitching a free ride for greener pastures. High speed free riding. A rough ride. Sensing without seeing.

Essentials & Peculiarities of Ticks

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Dermacentor andersoni – Rocky Mountain wood tick

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MM [+]. Cases of tick paralysis. Summary of cases of tick paralysis. Tick bite; unable to stand upon her feet. Tick bite; extending paralysis. Tick bite; inability to get lout of bed. Tick bite; mistaken for poliomyelitis. Tick bite; poor control of legs & unsteady gait. Tick bite; difficulty in walking. Tick bite; walking as if drunk. Tick bite; mistaken for Guillain-Barré syndrome. Tick bite; ascending paralysis & hypoventilation. Tick bite; limited speech & clumsy. Tick bite; buckling knees & spinning room. Tick bite; effects in adults past middle age.

Dermatophagoides farinae – American house dust mite

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Systematics. Biological profile. MM [-].

Homarus gammarus – European lobster

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Pagurus bernhardus – Common marine hermit crab

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Palaemon serratus – Common prawn

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Essentials & Peculiarities of Insects

Factors in the success of insects. Abundance. Small body size.

Body Plan

Alimentary canal. Chewers & suckers. Circulation & blood. Muscles.

Extraordinary extensibility & elasticity. Nervous system. Oxygen. Sensory perception [tactile, touch; sound; light; movement; temperature; common chemical sense].

Life Cycle – Metamorphosis

Directed by programmed information. From young to adult. No metamorphosis.

Gradual metamorphosis. Incomplete metamorphosis. Complete metamorphosis.

Adaptiveness

Water requirements. Upper & lower limits of survival. Thermoregulation.

Suspended activity. Diapause – interruption of growth & development.

Overwintering. To freeze or not to freeze. Devastating swarms for munching, mating, migrating. Heedless hordes. Aimless wandering. Troop-like processions.

The habit of imitation. Parasitoids.

Nutritional Features

Food. Dependence on symbionts. Energy from sugars & lipids. Storage of energy reserves. Fat body – unique to insects. Lipids. Trehalose. Essential amino acids.

Vitamins. Insects as food sources.

The Little Things that Run the World

Holding sway over the earth. Allegory, association & analogy as valid sources of information. Importance of insects. Small & feeble individually – mighty collectively. The Earth's caretakers & recyclers. Significance of the insignificant.

Unless the soul goes out to meet what we see. What has nature produces more worthy of admiration? Splendour of insects.

Metamorphosis – Symbolism & Imagery

Metamorphosis – Symbol of resurrection. Metamorphosis – Image of rebirth.
Metamorphosis – Escaping the slavish trade of earthly life. Metamorphosis –
Throwing off the mask. Metamorphosis – Changed but still the same.
Metamorphosis – From lowly to exalted. Metamorphosis – Hope & industrious
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change.

Influence & Inspiration

Insect inspiration to invention. BioMedical applications of resilin. Capable of
anything. Immense power & superior strength. Crush resistance. Specialization.
From living in darkness to breaching the night.

Insects – Attractive Things & Very Human

Pleasure bugs. Self-conscious posturers. Swift operators. Winged ghosts seeking
the light. Industrious enterprisers. Idle floaters of unimaginable beauty. Placid
models of dignity. Inquisitive & ambitious individualists. Resembling insects.
Butterflies & ants among themselves.

Trouble & Trauma

Harmful insects. Enemies of human industry. Insects phobias. Perception of
common insects. The disgust factor. Delusional parasitosis or infestation.
Delusional infestation – self-assault & self-cleansing. Delusional infestation –
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between skin sensations & insects.

Allergy to Insects

Insect sting anaphylaxis.

Insect Expressions

Ant. Bee. Bedbug. Beetle. Bug. Butterfly. Cricket. Flea. Fly. Gnat. Hornet. Louse.
Maggot. Moth. Mosquito. Nit. Wasp.

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Blatta orientalis – Oriental cockroach

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MM [++]. Clinical case: They think I'm nothing.

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Parental teamwork. Throwing the competition off the scent. Proud mission of dung beetles. Great things dung beetles do. Demeanour independent of occupation.

Fireflies

Kiss of death. Palpitant lamps. Luminous beetles. Meteors tamed. Illuminating a dark world. Lighting the gloom. Enlivening the mind & breaking the gloom. For grandeur only born. Flashing in perfect harmony. Hazy confusion of twinkling distraction. Bioluminescence imaging.

Woodboring Beetles

Ignorant injurers.

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Adalia bipunctata – Two-spotted ladybird

Systematics. Biological profile. Special features. Relationships. MM [++].

Cantharis

Systematics. Biological profile. Metabolites. Toxicological. Special features. MM [+++]. Clinical case: Driven mad with sexual desire. Clinical case: Grabbed from behind by very cold hands.

Cantharis strigosa – Strigose blister beetle

Systematics. Biological profile. Toxicological. Relationships. MM [-].

Cetonia aurata – Rose chafer

Systematics. Biological profile. Polished gentleness. MM [-].

Chalcolepidius limbatus – Click beetle

Systematics. Biological profile. Relationships. Self-elevation or snapping oneself back in place. MM [-].

Coccinella septempunctata – Seven-spot ladybird

Systematics. Biological profile. Mating. Metabolites. Special features. Biting ladies. Relationships. MM [++]. More experimentations.

Doryphora decemlineata – Colorado potato beetle

Systematics. Biological profile. Multiple matings. Flight. Toxicological. Playing dead. Relationships. MM [++]. Dr. Ruden's self-experimentation verbatim. Clinical cases (4).

Gastrophysa viridula – Green dock leaf beetle

Systematics. Biological profile. MM [-].

Geotrupes stercorarius – Dor beetle

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Heliocropis antenor – African dung beetle

Systematics. Biological profile. Relationships. Unselfish & humble. MM [-].

Hoplia farinosa – Root beetle

Systematics. Biological profile. Stout-bodies scarabs. MM [+].

Lamprohiza splendidula – Firefly

Systematics. Biological profile. Relationships. Special features of Lampyridae. Turning on its lights. Cheering the night with light. Showing wanderers the way. The night's watchman. MM [++].

Lucanus cervus – Stag beetle

Systematics. Biological profile. Special features. Relationships. MM [-].

Lytta vittata – Striped blister beetle

Systematics. Biological profile. Toxicological. MM [-].

Meligethes aeneus – Pollen beetle

Systematics. Biological profile. Special features. MM [+].

Meloe majalis – Red-striped oil beetle

Systematics. Description. Biological profile *Berberomeloe majalis*. Life cycle of hypermetamorphic Meloidae parasitizing sub-social bees. MM [+].

Melolontha melolontha – Common cockchafer

Systematics. Biological profile. Emerging from years of imprisonment. MM [+].

Nicrophorus vespillo – Burying beetle

Systematics. Biological profile. Graveyard shifts. Preservation & protection. MM [-].

Photuris pennsylvanica – Lightning bug

Systematics. Biological profile. Glowing discouragement. Scintillating flashes. Femmes fatales. Fatal attraction. MM [-].

Rhynchites cupreus – Plum borer

Systematics. Biological profile. MM [-].

Scarabaeus sacer – Scarab beetle

Systematics. Biological profile. Tirelessly engaged in Sisyphean labour. Toil & trouble in uphill battles. The Creator's watchful care over the world. MM [-].

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Dipteran Fits of Frenzy – Botflies

Stirring up or putting up.

Dipteran Attractiveness

Attractive to mosquitoes.

Dipteran Analogy & Imagery

Vices & virtues. Hidden beauties. Maddening effects of multiplied annoyances. Stings of malignity. Upsetting uneventful tranquillity. Rushing blindly on their fate. Bold determination.

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Anopheles maculipennis – Common malaria mosquito

Systematics. Biological profile. MM [-].

Bibio marci – St. Mark's fly

Systematics. Biological profile. Special features. MM [-].

Calliphora vicina – Blue bottle fly

Systematics. Biological profile. Relationships. Special features. MM [-].

Culex musca [= C. pipiens] – Northern house mosquito

Systematics. Biological profile. Toxicological. Special features. Masters over their environment. MM [++]. Clinical case: Quarrelsome & needy with menorrhagia.

Culex musca, Mosquito – Unspecified mosquito sp.

Systematics. Mosquitoes. Development & reproduction. Behaviour. Special features. Toxicological. MM [++].

Culex pervigilans – Common domestic mosquito

Systematics. Biological profile. MM [++].

Culicoides impunctatus – Highland midge

Systematics. Biological profile. Special features. Swarms of irredeemable nastiness. Relationships. MM [-].

Dermatobia hominis – Human botfly

Systematics. Biological profile. Myiasis. MM [+]. Effects of larval infestation of skin.

Haematopota pluvialis – Horsefly

Systematics. Biological profile. Relationships. MM [+]. Effects of bite; angioedema and urticaria. Effects of bite; out for blood.

Lucilia sericata – Green bottle fly

Systematics. Biological profile. Relationships. Growing together. Blowfly strike. Maggot therapy. MM [-].

Musca domestica – Housefly

Systematics. Biological profile. Special features. One of the greatest plagues. At the fly's mercy. Housefly as housekeeper. Admiring the fly. The fly as bringer of lightness. Letting in the jolly fly to vanquish silence & gloom. Wanton leisure. Brevity of life. MM [++].

Oestrus cameli – Camel nasal botfly

Systematics. Biological profile. Getting up the camel's nose. Special features. MM [+].

Simulium makara – Black fly Finland

Systematics. Range. Relationships. Body plan. Development & reproduction. Diet & feeding. Behaviour. MM [+].

Simulium posticatum – Blandford fly

Systematics. Biological profile. Toxicological. MM [+]. Effects of bite. Effects of the bites of an unidentified simulium species.

Tabanus sp. – Horsefly

Systematics. Biological profile. MM [+].

Tipula paludosa – Crane fly

Systematics. Biological profile. MM [-].

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Aphis chenopodii glauci – *Chenopodium* aphid

Systematics. Biological profile. Aphids. Development & reproduction. MM [++].

Cimex lectularius – Bedbug

Systematics. Biological profile. Toxicological. Relationships. Tenacious & vicious harassment. MM [++].

Coccus cacti – *Cochineal*

Systematics. Biological profile. Special features. Cochineal & carmine. Allergic reactions to cochineal & carmine. MM [++].

Cryptotympana facialis – Japanese cicada

Systematics. Biological profile. Relationships. Deafening decibels. MM [-].

Gerris lacustris – Common water-strider

Systematics. Biological profile. Relationships. MM [-].

Melampsalta montana – New Forest cicada

Systematics. Biological profile. MM [-].

Palomena prasina – Common green shield bug

Systematics. Biological profile. Relationships. MM [-].

Periostracum cicadae – Chinese cicada

Systematics. Biological profile. Relationships. MM [-].

Philaenus spumarius – Meadow spittlebug

Systematics. Biological profile. Leaving them to their bubbles. MM [-].

Reduvius personatus – Masked hunter

Systematics. Biological profile. Insect-induced epidemic of panic. False humility. MM [+].

Triatoma infestans – Kissing bug

Systematics. Biological profile. Vectors of Chagas' disease. Behaviour. Relationships. MM [+]. Effects of bite; dermatological lesions.

Triatoma protracta – Western conenose

Systematics. Biological profile. Toxicological. MM [+]. Effects of bite; 110 case histories.

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Social organization. From self-centered to community-minded. Service, community & patriotism. Queenhood is motherhood. Hive mind. Food sharing & social bonding.

Social Insects – Ants

Masters of matter. Masters of collective architecture. Individualized system of activities. Holding everything in common. Little people exceedingly wise. Bound by gentle brotherhood. General spirit of industry. General spirit of charity & compassion. Amazonian an[t]archistic socialism. Complete dependence. Communication by scent. Slave-making & enslavement. Uncannily resembling humans. Maddening ant attacks. Ruthless raids. Making the most lethargic moral look alive. Lions & ants.

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Sophisticated honeybee vs boorish bumblebee. Anger of bees. Devotion & duty towards the community. The joy of toil. Libertine love of laziness & luxury.

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Systematics. Biological profile. Relationships. MM [-].

Apisinum – Apitoxin. Bee venom

Description. Main constituents. Allergens. Melittin. Medicinal. Extraction. Glycoprotein. MM [+].

Apis mellifera – Western honeybee

Systematics. Biological profile. Development & reproduction. Supremely ordered hustle & bustle. Defence. Communication. Toxicological. Maintaining the right temperature. Attacking the colour black. MM [+++]. Effects of sting; projectile vomiting & violent diarrhoea. Effects of sting; prickly sensation, dyspnoea & faintness. Effects of sting; fullness to bursting, oppression, urticaria. Effects of sting; continuous nausea, vomiting & sleeplessness. Effects of sting; intolerable itching, loss of taste, collapse. Effects of sting; vomiting, sudden faintness, collapse. Effects of sting; pain in heart region & feeling of suffocation. Effects of sting; fullness, choking, as if filling up in the throat. Effects of sting; feeling impelled to move.

Apis regina – Western honeybee queen

Systematics. Biological profile. All activities centered around the queen. Mediating & integrating the activities. Absolute ruler or ruled absolutely. Authority never degenerating into tyranny. The queen subordinate to the spirit of the hive. One big family. Good mother of a happy family. Multi-hearted mother. Jealous queens. Blind obedience. Cues & clues. MM [++].

Bombus pratorum – Early bumblebee

Systematics. Biological profile. Development & reproduction. Behaviour. The queen. Aggression in the colony. Toxicological. Special features. MM [+].

Dinoponera gigantea – Giant Amazonian ant

Systematics. Biological profile. Relationships. MM [+]. Effects of sting; intense pain, cold sweat & vomiting.

Formica rufa – Southern wood ant

Systematics. Biological profile. Metabolites. Special features. Cultural. Formica slaves & enslavers. Incapable of independent colony-founding. Temporary parasitism. MM [++]. Clinical case: Insomnia induced by alarm. Clinical case: Anxiety & insomnia.

Formica subsericea – Field ant

Systematics. Biological profile. Submission & enslavement. MM [++].

Formicum acidum – Formic acid

Description. Occurrence. Features & properties. Applications. Medicinal. Toxicological. Food sources. MM [++].

Lasius niger – Black garden ant

Systematics. Biological profile. Founding & fighting queens. Sacrifice & self-denial. Parasitoid adoption & care. Small individual action leading to major group accomplishments. Herding aphids. MM [+].

Paraponera clavata – Bullet ant

Systematics. Biological profile. MM [+]. Effects of sting; self-experimentation. Effects of sting; excruciating pain & sense as if wholly paralysed. Effects of sting; wailing, sobbing, uncontrollable shaking. Effects of sting; intense excruciating pain. Effects of sting; huge waves & crescendos of burning pain.

Polistes fuscatus – Common paper wasp

Systematics. Biological profile. Complex societies. Relationships. MM [+]. Curious effects of a wasp sting.

Solenopsis invicta – Red imported fire ant

Systematics. Biological profile. Toxicological. Special features. Aggressive invader. Preference for electrical equipment. MM [+]. Effects of sting; oppressive midchest pain. Effects of sting; eyes as if pushed out. Effects of sting; acute cerebral infarction.

Vespa crabro – European hornet

Systematics. Biological profile. Toxicological. Not taking any chances. MM [++]. Effects of sting; cold, clammy, collapsed. Effects of sting; lack of touch sensation.

Vespa mandarinia – Asian giant hornet

Systematics. Biological profile. Decapitation & mass attacks. Nutritional & medicinal. Defensive balling. Toxicological. Special features. MM [+]. Effects of sting; organ failure. Effects of sting; severe manifestations of liver, kidneys, heart. Effects of sting; wave of dizziness & searing pain.

Vespa orientalis – Oriental hornet

Systematics. Biological profile. MM [+]. Effects of sting; loss of consciousness, cyanosis & tightness. Effects of sting; loss of consciousness, slowness & tightness.

Vespa vulgaris – Common wasp

Systematics. Biological profile. Bold, voracious & barbaric. Relationships. MM [++]. Effects of sting; stung in the mouth. Effects of sting; swelling & redness. Effects of sting; alarming symptoms. Effects of sting; depressed, weak & faint. Effects of sting; stung in the tongue. Effects of sting; pierced with red hot needles. Effects of sting; treated with *Crotalus horridus* 6. Effects of sting; faint & as if swollen all over. Effects of sting; fatally stung again. Effects of sting; tight band around chest.

Vespula germanica – German wasp

Systematics. Biological profile. Aggressive & threatening. MM [+]. Effects of sting; sudden loss of consciousness.

Vespula maculata – Bald-faced hornet

Systematics. Biological profile. Behaviour. Toxicological. MM [-].

Vespula maculifrons – Eastern yellowjacket

Systematics. Biological profile. Nasty, intense & persistent. Locking in place & holding on. MM [++]. Effects of sting. Effects of sting; blanking out. Involuntary proving of the fruit wasp.

Vespula squamosa – Southern yellowjacket

Systematics. Biological profile. Colony coups & takeovers. MM [-].

ORDER ISOPTERA – TERMITES 628

Essentials & peculiars. Recognition & communication by scent. Destroying or building homes. Animosity towards ants.

Isoptera/Termites in Homeopathy 630

Coptotermes formosanus – Formosan subterranean termite

Systematics. Biological profile. Relationships. MM [-].

Mastotermes darwiniensis – Giant northern termite

Systematics. Biological profile. MM [-].

Reticulitermes flavipes – Eastern subterranean termite

Systematics. Biological profile. Relationships. MM [-].

ORDER LEPIDOPTERA – BUTTERFLIES & MOTHS 635

Essentials & peculiars. Masters on the wing. Qualifications & ornaments of perfection. Odious occupants of darkness & sunny delights of lightness. Levity & display vs retirement & shade. Idleness & vanity. Fluttering gaily, fluttering daily. All pleasure & all play. Bursting forth to life & light. Chasing idle hopes. Granting a wish. Cut from the cloth of night. Caterpillar envenomation.

Lepidoptera – Words & Ways of Wisdom & Wonder

Lepidoptera/Butterflies & Moths in homeopathy 643

General Characteristic of Lepidoptera

Themes/Shared Symptoms Lepidoptera

Acherontia atropos – Death’s head hawkmoth

Systematics. Biological profile. Special features. Devious deceivers. The callousness of thievish invaders. Omen of adversity & affliction. Relationships. MM [++].

Anthocharis cardamines – Orange tip butterfly

Systematics. Biological profile. Relationships. MM [++].

Apeira syringaria – Lilac beauty

Systematics. Biological profile. Relationships. MM [++]. Clinical case: Lilac Beauty.

Bombyx chrysothorax – Brown tailed moth

Systematics. Biological profile. Ravaging caterpillars causing calamity. Toxicological. MM [++]. Exposure to toxic hairs. Statements of sufferers.

Bombyx mori – Silkworm

Systematics. Biological profile. Special features. Self-dependence a condition of strength. Qualities of silk. Silk in everyday language. MM [++]. Clinical experience.

Bombyx processionea – Oak processionary

Systematics. Biological profile. Toxicological. Special features. Threading one’s way through. Markings one’s trail. Processionary dermatitis. MM [++].

Danaus plexippus – Monarch

Systematics. Biological profile. Relationships. MM [+]. Clinical case: Escaping the cocoon.

Euphydryas aurinia – Marsh fritillary

Systematics. Biological profile. MM [+].

Gonepteryx rhamni – Brimstone butterfly

Systematics. Biological profile. MM [+].

Graphium agamemnon – Tailed jay

Systematics. Biological profile. MM [++].

- Graphium sarpedon choredon* – *Common bluebottle*
Systematics. Biological profile. Relationships. MM [++]. Remedy overview.
- Inachis* [= *Aglais*] *io* – *Peacock butterfly*
Systematics. Biological profile. MM [++].
- Isia* [= *Pyrrharctia*] *isabella* – *Isabella tiger moth*
Systematics. Biological profile. Relationships. MM [-].
- Limenitis bredowii* [= *Adelpha*] *californica* – *California sister*
Systematics. Biological profile. Relationships. MM [++].
- Macrothylacia rubi* – *Fox moth*
Systematics. Biological profile. Relationships. Ophthalmia nodosa. MM [+].
- Malacosoma disstria* – *Forest tent caterpillar moth*
Systematics. Biological profile. MM [-].
- Megalopyge opercularis* – *Southern flannel moth*
Systematics. Biological profile. MM [+]. Effects of sting; severe pain similar to a blunt-force trauma. Effects of sting; dermal, gastrointestinal, neurological, cardiovascular. Effects of sting; swelling, numbness, restlessness. Effects of sting; paralytic symptoms with nausea & vomiting. Effects of sting; chest caving in & cramping legs. Effects of sting; intense radiating pain. Effects of sting; pain radiating from left hand to chest.
- Morpho menelaus occidentalis* – *Menelaus blue morpho*
Systematics. Biological profile. Special features. Relationships. MM [++]. Remedy overview.
- Morpho peleides* – *Blue morpho*
Systematics. Biological profile. Special features. MM [+].
- Noctua pronuba* – *Large yellow underwing*
Systematics. Biological profile. Relationships. MM [+].
- Papilio lowi* – *Asian swallowtail*
Systematics. Biological profile. MM [++].
- Papilio machaon* – *Swallowtail*
Systematics. Biological profile. Relationships. MM [++].
- Papilio paris* – *Paris peacock*
Systematics. Biological profile. MM [-].
- Phalera bucephala* – *Buff tip*
Systematics. Biological profile Relationships. MM [++].
- Pieris brassicae* – *Large cabbage white*
Systematics. Biological profile. Relationships. MM [++].
- Pieris rapae* – *Small white*
Systematics. Biological profile. MM [-].

Polyommatus icarus – Common blue

Systematics. Biological profile. Relationships. MM [-].

Saturnia pavonia – Emperor moth

Systematics. Biological profile. Losing male wildness under female influence.
Relationships. MM [-].

Vanessa atalanta – Red admiral

Systematics. Biological profile. MM [++]. Clinical case: Daddy's little girl; a case of
Vanessa atalanta.

Vanessa [= Aglais] urticae – Tortoise shell butterfly

Systematics. Biological profile. MM [+].

Yponomeuta rorella – Willow ermine moth

Systematics. MM [+].

ORDER MANTODEA – MANTIDS 750

Essentials & peculiars. Headless loss of inhibitions. Sanctimonious hypocrites.

Mantodea/Mantids in Homeopathy 752

Mantis religiosa – Praying mantis

Systematics. Biological profile. Love stronger than death. Completely motionless.
Concealing the most atrocious habits. The mantid's stare. MM [++]. Clinical case:
Go right in & chew him a new head.

ORDER MECOPTERA – SCORPIONFLIES 761

Essentials & peculiars.

Mecoptera/Scorpionflies in Homeopathy 761

Panorpa communis – Common scorpionfly

Systematics. Biological profile. MM [-].

Panorpa lugubris – Dark scorpionfly

Systematics. Biological profile. MM [+].

ORDER ODONATA – DRAGONFLIES & DAMSELFLIES 763

Essentials & peculiars. From creeping slowly & living accidentally to a nobler life
of winging the air. Life made perfect. Glorious rapture of merely living. The
glutton among the insects. Masters of flight. A living rush of light. Appearing
stationary.

Odonata/Dragonflies & Damselflies in Homeopathy 768

Anax imperator – Emperor dragonfly

Systematics. Biological profile. Emergence. Relationships. MM [-].

Calopteryx splendens – Banded demoiselle

Systematics. Biological profile. Courtship. Relationships. MM [++].

Enallagma carunculatum – Tule bluet

Systematics. Biological profile. Damselflies. MM [++].

Libellula quadrimaculata – Four-spotted skimmer

Systematics. Biological profile. Relationships. Wandering in masses. MM [++].

Pyrrhosoma nymphula – Large red damselfly

Systematics. Biological profile. MM [-].

ORDER ORTHOPTERA – GRASSHOPPERS, LOCUSTS & CRICKETS 782

Essentials & peculiars. Innoxious individuals aggregating into marauding mobs.

The terrible scourge of divinity incensed. Utter desolation. Home sweet home.

Chirping delight. Happiest of all. Singing warriors. Fighting spirit & flying.

Agitated into fighting mode. Orthopterans as food.

Orthoptera – Words & Ways of Wisdom & Wonder

Orthoptera/Grasshoppers, Locusts & Crickets in Homeopathy 791

Gryllus assimilis – Jamaican field cricket

Systematics. Biological profile. Special features. Relationships. MM [++].

Gryllus campestris – Field cricket

Systematics. Biological profile. Irascible, wary, seldom seen but continually heard.

Noisy nuisance heard far & wide. Wonderfully quarrelsome & suffering the penalties of warfare. MM [-].

Locusta migratoria – Migratory locust

Systematics. Biological profile. Special features. Assailed by innumerable bands. MM [-].

Schistocerca americana – American grasshopper

Systematics. Biological profile. Relationships. MM [++].

Schistocerca gregaria – Desert locust

Systematics. Biological profile. Swarming. MM [++].

Tettigonia viridissima – Great green bush-cricket

Systematics. Biological profile. Relationships. MM [-].

ORDER PHTHIRAPTERA – LICE 808

Essentials & peculiars. Pediculosis. Carelessness & wretchedness. Closer than a brother, but with the moral qualities of fiends.

Phthiraptera/Lice in Homeopathy 810

Pediculus capitis – Head louse

Systematics. Biological profile. MM [++].

Pediculus humanus – Body louse

Systematics. Biological profile. MM [+]. Experiments by William Moore. Experiments by Hirschfelder & Moore.

ORDER SIPHONAPTERA – FLEAS 820

Essentials & peculiars. Flea life cycle. Reaction to flea bites. Attacked by fleas. Tungiasis – abandonment & social exclusion. Inflated self-appraisal deflated. Fleas performing.

Siphonaptera – Words & Ways of Wisdom & Wonder

Siphonaptera/Fleas in Homeopathy 828

Archaeopsylla erinacei – Hedgehog flea

Systematics. Biological profile. Infestation of humans. MM [-].

Ctenocephalides canis – Dog flea

Systematics. Biological profile. MM [-].

Ctenocephalides felis – Cat flea

Systematics. Biological profile. MM [-].

Pulex irritans – Human flea

Systematics. Biological profile. The flea. MM [++].

4. Myriapods – Centipedes & Millipedes 837

Remedies (5) in subphylum Myriapoda.

Essentials & Peculiarities of Centipedes & Millipedes

Myriapoda. Centipedes. Millipedes. Progression & penetration. Centipedes build for warfare. Pouncing with lightning speed. Chemical defence of millipedes. Biting attack & caustic defence. Defensive strategies. Grabbing & stabbing. Pests or pets. The spider & the centipede.

Myriapoda Cues & Clues – Based on Empirical Source Information

Myriapoda/Myriapods in Homeopathy 845

Glomeris marginata – Black pill millipede

Systematics. Biological profile. MM [+].

Polydesmus angustus – Flat-backed millipede

Systematics. Biological profile. Growing from yeast. Mating & nesting. MM [-].

Scolopendra cingulata – Megarian banded centipede

Systematics. Biological profile. Backing out of head-to-head encounters. MM [+]. Effects of bite; strong burning & piercing pain. Stabbed all the way through. Effects of bite; acute pain. Tormenting in their exploits.

Scolopendra heros – Giant redheaded centipede

Systematics. Biological profile. Effects of bite. MM [+]. Effects of bite; violent pain & excessive swelling. Effects of bite; immediate burning pain. Effects of bite, sharp, piercing pain.

Scolopendra morsitans – Red-headed centipede

Systematics. Biological profile. MM [+].

5. Scorpions 857

Remedies (15) in order Scorpiones.

Essentials & Peculiarities of Scorpions

Families & species. Habitat & habits. Masters of extremes. Hydration & fluorescence. Given the green light. Body structure. Internal organs. Body size. Instant response to slightest contact. Doorkeeping or roaming. Digestive dissolution. Waltzing to reproduce. Maintaining the maternal connection. Meek males & fighting females.

Envenomation & Gradation

Overdrive & overstimulation. Differential of characteristics of selected species. Most common effects. The heart stung & stressed. Comparison scorpionism & latroectism. Pain & hypersensitivity to touch. Buthid pain & agony.

Scorpions in History, Lore & Legend

Scorpion symbolism. Embodiment of evil.

Scorpions – Words & Ways of Wisdom & Wonder

Scorpions – Guilt & Remorse

Scorpions Cues & Clues – Based on Empirical Source Information

Scorpions in Homeopathy 877

Androctonus amoreuxi – Yellow fat-tail scorpion

Systematics. Biological profile. MM [+++]. Characteristics features.

Buthus australis – Sahara scorpion

Systematics. Biological profile. Toughing it out. Venom. MM [++]. Characteristic features.

Buthus occitanus – Common yellow scorpion

Systematics. Biological profile. Venom. MM [+]. Effects of sting in children. Effects of sting; cardiovascular effects.

Centruroides sculpturatus – Arizona bark scorpion

Systematics. Biological profile. Climbing & jumping the walls. MM [++]. Effects of sting; progressive hyperactivity. Effects of sting; extreme nervousness. Effects of sting; entirely unable to cooperate. Effects of sting; utterly at a loss of what to do with himself. Effects of sting; asleep all over. Effects of sting; talking & moving incessantly. Effects of sting; aimless crawling & climbing the wall.

Centruroides suffusus – Durango scorpion

Systematics. Biological profile. Manifestations of Medically significant Centruroides envenomation. MM [+]. Scorpio in Allen's Encyclopedia. Effects of sting; sluggish tongue & difficult communication.

Hadogenes paucidens – Banded flat rock scorpion

Systematics. Biological profile. MM [-].

Hottentotta [Mesobuthus] tamulus – Indian red scorpion

Systematics. Biological profile. MM [++]. Effects of sting; vomiting, profuse sweating & priapism.

Leiurus quinquestriatus – Death stalker

Systematics. Biological profile. Shy & retiring. MM [+]. Effects of sting; drooling & sweating. Effects of sting; pancreatitis. Effects of sting; hypertension.

Pandinus imperator – Emperor scorpion

Systematics. Biological profile. Grasping & crushing. MM [+].

Parabuthus granulatus – Granulated thick-tail scorpion

Systematics. Biological profile. Genus Parabuthus. MM [++]. Effects of sting; burning pain from movement & friction. Effects of sting; extraordinary restlessness in children. Effects of sting; overview of clinical features.

Parabuthus transvaalicus – Black spitting thick-tail scorpion

Systematics. Biological profile. MM [+]. Effects of sting; immobility & passive facial expression.

Rhopalurus junceus – Blue scorpion

Systematics. Biological profile. Use of venom in traditional & alternative medicine. MM [-].

Scorpio europaeus – Common European scorpion

Systematics. Biological profile. Harmless or harmful? MM [++].

Tityus serrulatus – Brazilian yellow scorpion

Systematics. Biological profile. No males needed for expansion. Distinctly maternal. MM [++]. Effects of sting; neurological & cardiovascular. Effects of sting; seizures & cognitive impairment.

Tityus trinitatis – Trinidad scorpion

Systematics. Biological profile. MM [++]. Effects of sting; epigastric pain extending to the back.

6. Spiders 925

Remedies (26) in Hunting or Wandering Spiders.

Remedies (25) in Web-Building Spiders.

Remedies (15) in Mygalomorphs

Arachnida

Essentials & Peculiarities of Spiders

Distribution & ecology. Divided in two. Feeling vibrations & tasting temperature. Taste-by-touch sense. Importance of sight. Heart & blood pressure. Copper instead of iron. Food & digestion. Cautious approach & hasty retreat. Legs & appendages. Locomotion & energy. Silk – strongest natural fiber. Very regularly & systematically constructed. Buoyant ballooners taking to the air. Floating on a breeze-guided voyage. A noiseless patient spider. Worst enemies. Vast variety of tricky traps & tactics. Jumping at the opportunity. Colour likes & dislikes. Differences with insects.

Three Groups

Araneomorphae – snaring, hunting, pinching. Mygalomorphae – ground-dwelling, ambushing, crushing.

Key Features of Spider Families

Fam. Agelenidae – Funnel-web weavers. Fam. Araneidae – Orb-weavers. Fam. Atracidae – Funnel-web spiders. Fam. Ctenidae – Wandering or running spiders. Fam. Deinopidae – Web-casting spiders. Fam. Halonoproctidae – Trapdoor spiders. Fam. Lamponidae – White-tailed spiders. Fam. Linyphiidae – Sheet-web weavers. Fam. Lycosidae – Wolf spiders. Fam. Miturgidae – Prowling or Sac spiders. Fam. Nephilidae – Golden orb-weavers. Fam. Pholcidae – Daddy long-leg spiders. Fam. Pisauridae – Nursery web spiders. Fam. Salticidae – Jumping spiders. Fam. Segestriidae – Tube-web spiders. Fam. Sicariidae – Recluse & Six-eyed sand spiders. Fam. Tetragnathidae – Long-jawed orb-weavers. Fam. Theraphosidae – Tarantulas. Fam. Theridiidae – Cobweb spiders. Fam. Thomisidae – Crab spiders.

Arachnomania

Spider lore & legend. Spider frenzy. Blame it on the spider. Perils of the unknown. Temptation of the unknown. Spinning a yarn. Expressing alarm. Certainty of eventual death. Spiders in medicine. A tribute of gratitude. Resolute perseverance not to despond under difficulties.

Spider Bites – Every Sting Considered

Venoms & syndromes. Latroectism. Differential diagnosis latroectism. Loxoscelism. Funnel-web neurotoxicity. Phobias. Allergic araneism – barbed hair throwing. Spider angioedema.

Spiders – Words & Ways of Wisdom & Wonder

Giving Heed to Seduction & Manipulation

Spiders Cues & Clues – Based on Empirical Source Information

General Characteristics Spider Remedies

Themes/Shared Symptoms Araneae

SUBORDER ARANEOMORPHAE

Hunting Spiders in Homeopathy 978

Ancylometes bogotensis – Fishing spider

Systematics. Biological profile. Walking on water. Bridal bondage. MM [-].

Aranea scinencia – Kentucky jumping spider

Systematics. Identity uncertain. Spiders smartest & sharpest. Liking red, disliking blue. Making yourself known to the right one. MM [+].

Cheiracanthium punctorium – Yellow sac spider

Systematics. Biological profile. Spider scare. MM [+]. Effects of bite; stinging & itching. Effects of bite; radiating pain. Effects of bite; penetrating pain & insomnia.

Diaea dorsata – Green crab spider

Systematics. Biological profile. MM [-].

Lampona cylindrata – White tailed spider

Systematics. Biological profile. MM [++]. Effects of bite; always painful.

Loxosceles Essentials & Peculiarities

Genus & species. Fiddlers vilified. Medically important recluses. Differential diagnosis. *Loxosceles* biology & ecology. Breaking down barriers.

Symptomatically Lesser-known Loxosceles Species

Loxosceles apachea. *Loxosceles parrami*.

Loxosceles gaucho – Brazilian recluse

Systematics. Biological profile. Living together. Adoptive maternal care. MM [+].

Loxosceles laeta – Chilean recluse

Systematics. Biological profile. MM [++]. Effects of bite; haemolysis & necrosis. Effects of bite; systemic effects.

Loxosceles reclusa – Brown recluse spider

Systematics. Biological profile. Gregarious recluses. MM [++]. Effects of bite; the first reported cases. Effects of bite; painfulness on slightest pressure. Effects of bite; overview.

Loxosceles rufescens – Mediterranean recluse

Systematics. Biological profile. The most private & reclusive recluse. MM [+]. Effects of bite; joint & muscle pain. Effects of bite; haemolytic anaemia. Effects of bite; refractory vasodilatory shock.

Marpissa muscosa – Treebark jumping spider

Systematics. Biological profile. MM [-].

Misumena vatia – Goldenrod crab spider

Systematics. Biological profile. Devious grace of idlers preying on workers. MM [-].

Pardosa amentata – Spotted wolf spider

Systematics. Biological profile. Agile & fast. Prepared for evasive action. Finer feelings of excellent mothers. MM [+].

Phoneutria nigriventer – Brazilian wandering spider

Systematics. Biological profile. Armed wanderers. MM [+]. Effects of bite; phoneutrism. Effects of bite; priapism & erectile dysfunction. Effects of bite; hypertension, intense pain & profuse sweating. Effects of bite; burning pain, cold sweat & low heart rate.

Pisaura mirabilis – Nursery web spider

Systematics. Biological profile. Waiting wolves. Gift or cheat – A gift for cheating. Taking no chances. Dedicated mothers. MM [-].

Platycryptus undatus – Black and grey jumping spider

Systematics. Biological profile. Adroit dexterity of approach & capture. Seldom missing its aim. Courtship. Jumping spider bites. MM [+].

Portia africana – African jumping spider

Systematics. Biological profile. Clever combination of capture strategies. MM [-].

Portia fimbriata – Fringed jumping spider

Systematics. Biological profile. Bursting into action from moving slowly. Fine control over others. Secret stalker pretending to be slow. Hidden in plain sight. Approaching the female. MM [++]. Perceived parallels between Portia & patient.

Salticus scenicus – Zebra spider

Systematics. Biological profile. Overspinning the female. Constrained to succeed by one's own activity. MM [++].

Genus *Sicarius* Essentials & Peculiarities

Genus & species. Timidly reclusive. Lethally reclusive. Symptoms. *Sicarius albospinosus*. *Sicarius hahni*. *Sicarius testaceus*.

Tarentula cubensis – Cuban spider

Systematics. Identity uncertain. *Tarentula cubensis*. Effects of bite. Misidentification & probable true identity. More solid evidence. MM [++]. Clinical case based on effects of bite. Clinical case: Sleepless from pains intense, burning & stinging. Clinical case: A strange interview.

Tarentula [hispanica] – Wolf spider

Systematics. A spate of spiders.

Reviewing the Sources of *Tarentula*'s MM in Allen's Encyclopedia

References 1–6. Allen's source 1. Allen's sources 2–3. Allen's sources 4–5. Allen's source 6. Allen's source 7. Allen's source 8. Allen's source 9. Allen's source 10. Allen's source 11. Allen's source 12. Allen's source 13. Allen's source 14. Allen's source 15. Allen's source 16. Widows, not wolves. Symptoms of tarantism perfectly consistent with those of latrodectism. A creative solution.

Tarantism

A tricky name. Tarantism, Tarantella & Tarentula – a brief history. Tarantism as the intermingling of three phenomena. Saving the last dance. Manifestations of tarantism. Listen to the music – musical resonance between man & spider. Dancing to the tarantula's tune. Great pretender – the facility of imagination. An American case of tarantism.

MM [++]. The errors pruned away. Clinical cases: Restlessness & Fidgets. Clinical case: Epileptoid. Clinical case: Heart disease. Clinical case: Hypersensitivity. Clinical case: Hysteria. Clinical case: Insanity. Clinical case: Active every minute.

SUBORDER ARANEOMORPHAE

Web-Building Spiders in Homeopathy 1085

Achaearanea [= Parasteatoda] tepidariorum – American house spider

Systematics. Biological profile. Interactions with prey & humans. Tangled domestic life – dangerous desires. MM [+]. Effects of bite.

Aranea diadema [= *Araneus diadematus*] – *Common cross spider*

Systematics. Biological profile. Building or rebuilding every day. courting death – success through perseverance. The upside of being eaten. MM [++]. Symptoms extracted from two cases. Effects of bite. Clinical case: Hands & arms as if enormously enlarged. Clinical case: Extreme coldness, great enlargement & punctual periodicity.

Aranea ixobola [= *Larinioides ixobolus*] – *Black night spider*

Systematics. Biological profile. MM [++]. Clinical case: I'll spin a web & chuck you into a tree. Clinical case: The picture looks like a web – a case of autism. Clinical cases: Pleasure in teasing.

Araneus [= *Larinioides*] *sclopetarius* – *Bridge orb-weaver*

Systematics. Biological profile. Proximity to water. Lover's tryst. MM [-].

Araneus [= *Nuctenea*] *umbricatus* – *Walnut orb-weaver*

Systematics. Biological profile. Shaking it up. MM [+]. Effects of bite. Effects of bite; pressure in chest & choking.

Araniella cucurbitina – *Cucumber spider*

Systematics. Biological profile. MM [+].

Argiope bruennichi – *Wasp spider*

Systematics. Biological profile. Self-sacrifice or escape. MM [-].

Deinopis subrufa – *Rufous net-casting spider*

Systematics. Biological profile. Manipulating gladiators. MM [-].

Latrodectus geometricus – *Brown widow*

Systematics. Biological profile. Differences with black widow. Somersaulting self-sacrifice. MM [+]. Effects of bite; extreme restlessness & severe burning pain. Effects of bite; hypertension, hypertonia & hyperglycaemia.

Latrodectus hasselti – *Redback*

Systematics. Biological profile. Life cycle. Matrimonial self-sacrifice. Gains of suicidal mating. MM [+++]. Effects of bite; loss of self, loss of power. Effects of bite; overview of symptoms.

Latrodectus hesperus – *Western black widow*

Systematics. Biological profile. MM [+]. Experiments with Arachnolysin 2c trit. Effects of bite; severe burning pain shooting up the limb. Effects of bite; great precordial distress. Effects of bite; writhing in agony, fear of impending death. Effects of bite; cramps, constipation & insomnia. Effects of bite; losing control due to pain.

Latrodectus katipo – *Katipo*

Systematics. Biological profile. Treatment. MM [+]. Wrong widow. Effects of bite; extreme lassitude & decline. Effects of bite; intense pain all over. Effects of bite; agonising pain. Effects of bite: powerfully narcotic.

Latrodectus mactans – Black widow

Systematics. Biological profile. Behaviour. Mating menace – copulatory cannibalism. MM [++]. Effects of bite; muscle pain & cramps. Effects of bite; private parts & places. Effects of bite; mortal agony. Effects of bite; better by a hot bath. Effects of bite; racked with pain. Effects of bite; as if being someone else. Effects of bite; 10 cases. Effects of bite; 5 cases. Effects of bite; 3 cases summarized. Clinical case: After-dinner cardiac angina. Clinical case: Angina pectoris with cold sweat. Clinical case: Heart conditions. Clinical case: Extreme sensitivity to noise & touch. Clinical case: State of frenzied restlessness. Clinical case: Dancing the whole night long & painting black.

Latrodectus tredecimguttatus – Mediterranean black widow

Systematics. Biological profile. Missed clue. Quest for relief. Better by physical exertion & heat. MM [++]. Effects of bite reported by Ferdinando, cited in Baglivi, incl. under Tarentula in Allen, ref. 7. Effects of bite reported by Mazzolani [Naples, Italy]; incl. under Tarentula in Allen, ref. 10. Effects of bite as observed around Volterra, Tuscany, by Marmocchi; in Hughes. Effects of bite reported by Cauro [Corsica, 1833]; in Hughes. Effects of bite; overview of symptoms, reported by Maretic. Effects of bite; typical cases. Effects of bite; threatened with approaching death. Effects of bite; complete prostration of strength. Effects of bite; distressing visions of death. Clinical case: Unusual movements. Clinical case: Pitiful faint-heartedness & timidity. Clinical case: Obligated to walk about during the night. Clinical case: Necessity of moving. Clinical case: Irregular muscular movements during sleep. Clinical case: Never quiet. Clinical case: Easier to run than to walk. Clinical case: Great anxiety & oppression in the heart. Clinical case: Muscular twitching better by music. Clinical case: Choreic movements when afraid or looked at.

Linyphia triangularis – Money spider

Systematics. Biological profile. Male dominance. MM [-].

Nephila sp. – Golden silk orb-weaver

Systematics. Biological profile. MM [++]. Clinical case: The tight-rope walker.

Pholcus phalangioides – Daddy longlegs

Systematics. Biological profile. Bow-legged & squint-eyed. Fragile fighters. Home invasion on tiptoe. Dusty domestic. Unfeeling family of cannibalistic siblings. MM [++].

Segestria florentina – Cellar or tube web spider

Systematics. Biological profile. MM [+]. Effects of bite.

Tegenaria [= *Eratigena*] *agrestis* – Hobo spider

Systematics. Biological profile. Sensing the vibes. MM [+]. Effects of bite; overview. Effects of bite; debilitating effects. Effects of bite; migraine-like headache. Effects of bite; deepening & expanding ulceration.

Tegenaria [= *Eratigena*] *atrica* – Giant house spider

Systematics. Biological profile. MM [++]. Case-based concept. Clinical case: The race car & the web.

Tegenaria domestica – Domestic house spider

Systematics. Biological profile. Spotting the smallest movements. Resorting to cunning deceit. Attracted by music. MM [+].

Tegenaria gigantea [= *Eratigena duellica*] – House spider

Systematics. Biological profile. MM [-].

Tela araneae – Silk from spider webs

Substance. Medicinal uses of spiders & spider webs. Sedative or stimulant. Unlike opium. Side effects. Eclectic indications. Continual chilliness. Silk constituents. Boericke. MM [++]. Themes of proving.

Tetragnatha extensa – Long-jawed orb-weaver

Systematics. Biological profile. Awkward appearance but lively in its movements. Received with open jaws. Stretching it for mimicry. MM [-].

Theridion curassavicum [= *Latrodectus curacaviensis*] – Orange widow

Systematics. Biological profile. MM [+++]. Clinical case: Shrill sounds shocking & pervading the whole system. Clinical cases: Tubercular diathesis. Clinical case: Waves of noise invading home & body. Clinical case: Family hell.

Theridion nigroannulatum – Social spider

Systematics. Biological profile. Social equality & tolerance. MM [-].

SUBORDER MYGALOMORPHAE

Funnel-web spiders, Tarantulas & Trapdoor spiders 1251

Essential & Peculiarities

Defence strategies. Luring, drumming & quivering of courtship. Low-energy lifestyle using stealth & startling speed to pounce. Sudden cessation of activity. Dancing with prey. Startling, upsetting tarantulas.

Acanthoscurria geniculata – Giant whiteknee tarantula

Systematics. Biological profile. Hairborne hairstrike. MM [-].

Atrax robustus – Sydney funnel-web spider

Systematics. Biological profile. Frenzied state of aggression. Powerfully opposite forces of fear & sex. Venom. Effects of bites by funnel-webs. MM [++]. Effects of bite; touched by something cold. Effects of bite; overview.

Avicularia avicularia – Pinktoe tarantula

Systematics. Biological profile. Reproduction. Maddening irritations & jets of excrement. Flights of fancy, exaggeration & embellishment. Tolerant to some extent, not social. Leaps into the unknown. MM [+]. Clinical case: Daytime constant movement.

Avicularia metallica – Metallic pinktoe tarantula

Systematics. Biological profile. MM [-].

Brachypelma smithi – Mexican redknee tarantula

Systematics. Biological profile. Irritating & inflammatory hairs. Face-to-face courtship. Effects of bite. MM [+].

Brachypelma vagans – Mexican redrump tarantula

Systematics. Biological profile. Itching & irritating hairs. Aire de tarantula. MM [-].

Citharischius crawshayi – King baboon tarantula

Systematics. Biological profile. MM [+]. Effects of bite.

Grammostola rosea – Chilean rose tarantula

Systematics. Biological profile. Big eaters. Heart & brain. Effects of bite by funnel-webs. MM [-].

Hadronyche formidabilis – Northern tree funnel-web spider

Systematics. Biological profile. MM [+]. Effects of bite.

Hadronyche modesta – Victorian funnel-web spider

Systematics. Biological profile. MM [+]. Effects of bite.

Mygale lasiodora – Cuban spider

Systematics. Mygale & Brothers Houard. Introduction of the spider. Letter from Cuba. First clinical experiences. The spider's identity. MM [++]. Mygale according to Mangialavori. Clinical cases: Family hell.

Poecilotheria regalis – Indian ornamental tree spider

Systematics. Biological profile. Charmed or armed with colour. MM [++]. Effects of bite; intense hot flushes & severe muscle cramps. Effects of bite; long-lasting muscle cramps & severe pain. Effects of bite of various *Poecilotheria* spp. Main effects of *Poecilotheria* envenomation.

Pterinochilus murinus – Baboon spider

Systematics. Biological profile. Aggressive & jumpy. MM [+]. Effects of bite; muscle cramps. Effects of bite; generalized muscle & joint pains.

Theraphosa leblondi [= *T. blondi*] – Goliath birdeater

Systematics. Biological profile. Cautious approach & brisk departure. Voracious bluffers. Irritating hairs. MM [-].

Ummidia sp. – Cork-lid trapdoor spider

Systematics. Biological profile. Biology of trapdoor spiders. MM [+]. Effects of bite; utterly irresistible twitching.

7. Xiphosura – Horseshoe Crabs 1305

Remedies (1) in order Xiphosura.

Essentials & Peculiarities of Xiphosura

Chelicerates. Last of a lost lineage. Living fossil & living museum. Tightly woven into one's environment. Primitive or advanced. Blue blood. Medicinal uses.

Asiatic horseshoe crab poisoning.

Xiphosura in Homeopathy 1310

Limulus cyclops

Systematics. Biological profile. Digging & progressing. Coming out of itself. Spawning & huddling. True nuptial bands. MM [++]. Clinical case: A leap into the sea.

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