INDEX

ABIOGENESIS, 91, 150
Abortive origins, 94
Accidents, 77
Acracy, 59
Action in dynamics, 77
Actualism, 95
Asthmatics, 90
Affinity, 79
Aether, 124
Amphibian, 50
Amphimixis, 50
Amphitheater, 97
Anesthesia, 97
Anatomy, b. etc
— Comparative, 9
Asemic under, 103, 134
Anthropism, 4
Anthropocentric illusion, 5
— world theory, 7
Animal psychic dogma, 5
Animal killing, 32
Anthropomorph dogma, 5
Anthropomorph psychic dogma, 5
Anthropomorphism, 13
Apollo, 13, 66
— Anthropoid, 13
Archaeus, 15
Archegony, 91
Aristotle, 5, 95
Association, Centers of, 65
— of the, 43
— of presentations, 13
Astronomy, Progress of, 129
Astrophysic, 129
Atavism, 51
Athens, 67
Athanastian illusions, 73
Atheism, 103
Atheistic science, 92
Atom, 14, 79
Atomism, 79
Atomistic conception, 63
Atmosphere & ether, 20
— of substance, 77
Augustine of Hippo, 46
Aural or confession, 113, 127
Autogony, 91

Baker (Carl Ernst), 20, 114
Bastian (Adolf), 37
Beginning of the world, 85, 86
Bible, The, 100, 126
Biogenesis, 91
Biogenetic law, 29, 51

Bismarck, 118
Blastoderm, 53, 55
Blastosphere, 55
Blastula, 55
Bruno (Giordano), 137, 112
Buhner (Ludwig), 33
Buddhism, 116

Calvin, 46
Canonical gospels, 110
Cuban as creator, 91
— theory, 91
Calvarium, 13
Catastrophic theory, 26
Catholicism (imperial), 124
Causes, Efficient, 92
— Final, 92
Celebrity, 126
Cell love, 79
— state, 56
— soul, 54
— community soul of the, 55
Cellular patholo, 15, 16
— physiology, 17
— psychology, 54, 63
— the, 9
Cenogenesis, 29
— of the psyche, 51
Change, 97
Chemiotropism, 23, 17
Chordula, 23
Chorion, 24
Church and State, 125
Christ, Father of, 116
Christian ut, 120
— contempt of the, 125
— man, 126
— civilization, 126
— the family, 126
— nature, 126
— self, 125
— woman, 126
— ethics, 125
Christianity, 123
Cudara, 57
Conception, 22
Concubinage of the clergy, 127
Confusion of faith, 108
Consciousness, 60
— Animal, 62
— Atomistic, 63
— Biological, 63
— Cellular, 63
Consciousness, Development of, 66
   — Dualistic, 64
   — Human, 61
   — Monistic, 65
   — Neurological, 62
   — Ontogeny of, 66
   — Pathology of, 65
   — Physiological, 64
   — Transcendental, 64
Constancy of energy, 75, 82
   — matter, 75
Constantine the Great, 112
Constellations of substance, 77
Conventional lies, 114
Copernicus, 9, 113, 130
Cosmic immortality, 68
Cosmogonies, 83
Cosmological dualism, 91
   — creationism, 83
   — law, 75
   — perspective, 6
Cosmos, The, 81
Creation, 26, 29, 83
Creation, Dualistic, 84
   — Cosmological, 84
   — Heptameral, 84
   — Individual, 84
   — Myths of, 84
   — Periodic, 84
   — Trialistic, 84
Cultur-kampf, 118
Cuvier, 26
Cyclostomata, 59
Cytology, 10
Cytopsyches, 54
Cytula, 23

DARWIN (Charles), 28, etc.
Decidua, 24
Deduction, 6
Demonism, 98
Descartes, 34, 35, 126
Descent of the ape, 30
   — of man, 37
   — Theory of, 27
Design, 94
   — in nature, 92
   — in organisms, 94
   — in selection, 93
Destruction of heavenly bodies, 86
Determinism, 47
Diaphragm, 11
Division of labour in matter, 82
Draper, 110, 118
Dualism, 7
Du Bois Reymond, 6, 64, 84
Du Prel (Carl), 108
Duty, Feeling of, 124
Dynamoses, 77
Dysteleology, 94

ECHINODERMATA, 22
Ectoderm, 57
   — Sense-cells in the, 104
Egoism, 124

Elements, Chemical, 79
   — System of the, 79
Embryo, Human, 23
Embryology, 19
Embryonic psychogeny, 51
   — sleep, 52
Empedocles, 8, 80
Encyclopaedia (of Pius IX.), 115
End of the world, 88
Energy, Kinetic, 82
   — Principle of, 82
   — Potential, 82
   — Specific, 105
Entelecheia, 95
Endoderm, 57
Entropy of the universe, 88
Epigenesis, 20, 48
Frgonomogy of matter, 82
Eternity of the world, 86
Ether, 80
Ethereal souls, 71
Ethics, Fundamental law of, 124
Evolution, Theory of, 19, 85, 186
   — Chief element in, 95
Experience, 6
Extra-mundane God, 102

FAITH, Confession of, 108
   — of our fathers, 108
Family, The, and Christianity, 126
Fate, 95
Fechner, 35
Fecundation, 22
Fetishism, 98
Feuerbach (Ludwig), 105
Flohssig, 65
Fetal membranes, 24
Folk-psychology, 37
Forces, Conversion of, 82
Frederick the Great, 69, 112

GALEN, 8, 15
Gasous souls, 71
   — vertebrate, 102
Gastraea, 57
   — Theory of the, 21
Gastraea, 57
Gastraula, 22
Gegenbaur, 9, 11
Generation, Theory of, 20
Genus, 26
Geology, Periods of, 96
   — Progress of, 132
Germinal disc, 20
Gills, 23
God, 98
   — the Father, 98
   — the Son, 98, 116
Goethe, 8, etc.
Goethe’s monism, 117
Golden Rule, The, 124
Gospels, 110
Gravitation, Theory of, 77
Gut-layer, 57
INDEX

HALSBER, 15
Harvey, 15
Helmholtz (Hermann), 76, 82, 114
Heredity, Psychic, 49
Hertz (Heinrich), 86
Hippocrates, 5
Histology, 9
Histophysiology, 56
Hoff (Carl), 89
Holbach (Paul), 69
Holy Ghost, 98, 115
Humboldt (Alexander), 122
Hydra, 57
Hylomorphism, 103
Hypothetism, 106

INTROHICISMS, 16
Intromachincs, 16
Ideal of beauty, 120
— of truth, 119
— of virtue, 120
Ignorabimus, 64
Immaculate conception, 115
Immortalitv, 71
Immortality of animals, 71
— of the human soul, 67
— personal, 68
— of unicellular organisms, 67
Imperfectiun of nature, 94
Impenetrability, matter, 80
Imposition, 22
Indeterminism, 47
Induction, 6
Indulgences, 127
Infallibility of the Pope, 115
Instinct, 37, 44
Intellect, 45
Intrathedral God, 102
Intrusive psychology, 34
Islam, 101

JANSSON (Jonas), 112
Jehovah, 100
Journey on foot, 129

KANT, 92, 123, etc
Kantianism, 69
Kantian metaphysics, 33
Kinetic energy, 52
— theory of Substance, 77
Kolliker, 10, 17

LAMARCK, 7, etc
Lamettrie, 69
Landscape painting, 121
Language, 45
— Study of, 128
Last judgment, 74
Lavoisier, 75, 114
Leap of the Gospels, Miraculous, 110
Leydig, 10
Life, Definition of, 14
Limits of our knowledge, 65
Love, 126
— of animals, 126
— of neighbour, 124

Love of self, 125
Lucretius Carus, 103
Lunarism, 100
Luther, 113
Lyell, 28, 89

MADONNA, Cult of the, 101, 116
Malthus, 19
Mammals, 11, etc
Mammary glands, 11
Man, ancestors of, 29
Marsupials, 11, 30
Mass, 79
Materialism, 78
Maver (Kolbert), 76, 114, 133
Mechanism, 92
Mechanical causality, 129
— explanation, 92
— theory of heat, 85
Mediterranean religions, The, 100
Memory, Conscious, 13
— Cellular, 43
— Histonic, 43
— Unconscious, 43
Metaphysics, 99
Metabolism, 82
Metamorphoses of the cosmos, 132
of philosophers, 33
Metaphysics, 56
Metasiticism, 55
Metazoa, 21, 56
Middle Ages, 111, 127
Mithraism, 101
Mohammedanism, 101
Mohr (Friedrich), 76
Monera, 91, 130
Monism, 7, und Panism
— of eternity, 90
— of the cosmos, 90
— of Spanners, 117
Monistic anthropocentric, 90
— irid, 121
— by many cosmology, 1, 10
— churches, 122
— ethics, 123
— geology, 58
Monothelism, 99
Monon worship, 100
Monotremat, 11
— moral order of the universe, 96
Morula, 55
Mormonism, 100
Muller (Johannes), 9, 16, 93, 114
Mythology of the soul, 48

NATURAL CHOKI, 25
Natural religion, 82
Neo-Kantians, 123
Neo-Pluralism, 132
Neptunian geology, 41
Neurological cell, 41
Neuroplasm, 32, 39
Neurophysic, 55
Nemoclastic, 4
INDEX

ONTGENETIC psychology, 37
Ontological creationism, 83
—— methods, 89
Orbits of the heavenly bodies, 86
Origin of movement, 6, 86
—— of thinking, 6, 86
Ovary, 22

PALAENGENESIS, 29
—— of the psyche, 51
Pandera (the Father of Christ), 116
Pantheism, 102
Papacy, 111
Papal ethics, 127
Papamorpha, 13
Paul, 111, 126
—— Epistles of, 120
Paulism, 111
Pascal of the all-intens, 2
Perpetual motion, 57
Persistence of force, 75, 82
—— of matter, 75
Phrontis, 104
Phylogeny, 25, 29
—— System of, 29
—— of the psyche, 17
Physiology, 14
Phytopsychic, 56
Phytocentrism, 37
Pithecanthropus, 29
Pithecanthropus, 25, 30
Placenta, 11, 24
Placentals, 11, 30
Plasmodon, 55
Plasmodon, 91
Plasmophor, 55
Plato, 35, 70
Plato’s theory of ideas, 95
Platodana, 57
Platon, 57
Platonic, 13
Pneuma, 20
Polytheism, 98
Pondediate matter, 79
1 reformation theory, 70
Primates, 12
Primates, 12, 31
Prima’s Christianity, 110
—— gut, 22, 57
Prymairisim, 77
Prymairist, 57
Pruripetal, 30
Pror special, 12
Prosthesis, 57
Protestant, 57
Protozoa, 21
Protodactyl, 59
Psychadethic, 63
Psych, 31
Psychogeny, 48
—— Phyletic, 53
—— Post embryonic, 52
Psychology, 31, segg
—— Ontogenetic, 37

Psychology, Phylogenetic, 37
Psychomimesis, 86
Psychophysics, 34
Psychoplasm, 32, 39
Pseudo Christianity, 114
Pupa, Sleep of the, 52
Pyknosis, 77
Pyknotic theory of substance, 77

Rational, 6, 44
Reflex action, 40
—— arches, 41
Reformation, The, 113
Religion a private concern, 128
Remak, 21
Revelation, 109
Revolution, 51
Romance of the Virgin Mary, 116
Rome, 58
Rushmum’s organs, 93

SAINTS, 101
Scult of emotion, 45
—— of memory, 43
—— of movement, 39
—— of presentation, 42
—— of reason, 43
—— of reflex action, 40
—— of will, 46
Scutulation theory, 20
Schiller, 10, 17
School, Reform of the, 128
—— and Church, 128
—— and State, 128
Schwann, 10, 17
Selauchi, 59
Selection, Theory of, 28
Self consciousness, 61
Self knowledge, 105
—— organs, 104
Sensus, Philosophy of the, 105
Sentiment, 7, 117
Siebold, 8
Simia, 12
Social instincts, 124
—— duties, 124
Solarism, 99
Solar systems, 85, 130
Sources of knowledge, 104
Soul, 31, segg

Apparatus of the, 58
—— Blending of the, 57
—— Creation of the, 48
—— Division of the, 48
—— Etheric, 71
—— Gaseous, 71
—— History of the, 60
—— Histioecic, 70
—— Hydra, 57
—— Liquid, 71
—— Life of the, 32
—— Mammal, 60
—— Nerve, 58
—— Origin of the, 48
—— Personal 58
<table>
<thead>
<tr>
<th>Term</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soul, of the plant</td>
<td>56</td>
</tr>
<tr>
<td>— Solid, 71</td>
<td></td>
</tr>
<tr>
<td>— Substance of, 70</td>
<td></td>
</tr>
<tr>
<td>— Transmigration of, 48</td>
<td></td>
</tr>
<tr>
<td>Space and time, 86</td>
<td></td>
</tr>
<tr>
<td>— Infinity of, 86</td>
<td></td>
</tr>
<tr>
<td>— Reality of, 86</td>
<td></td>
</tr>
<tr>
<td>Species, 26</td>
<td></td>
</tr>
<tr>
<td>Spectrum analysis, 86</td>
<td></td>
</tr>
<tr>
<td>Spermarium, 22</td>
<td></td>
</tr>
<tr>
<td>Spermatozoa, 22</td>
<td></td>
</tr>
<tr>
<td>Spinal cord, 59</td>
<td></td>
</tr>
<tr>
<td>Spinoza, 8, 76, 103</td>
<td></td>
</tr>
<tr>
<td>Spirit rapping, 108</td>
<td></td>
</tr>
<tr>
<td>— world, 78</td>
<td></td>
</tr>
<tr>
<td>Spiritism, 108</td>
<td></td>
</tr>
<tr>
<td>Spiritualism, 8</td>
<td></td>
</tr>
<tr>
<td>Sponge, 'Soul of the', 57</td>
<td></td>
</tr>
<tr>
<td>Stem cell, 22, 49, 54</td>
<td></td>
</tr>
<tr>
<td>Sustained movement, 40, 41</td>
<td></td>
</tr>
<tr>
<td>Stimuli, Conduction of, 50</td>
<td></td>
</tr>
<tr>
<td>Struks (David), 109, 111</td>
<td></td>
</tr>
<tr>
<td>Struggle for lift, 90</td>
<td></td>
</tr>
<tr>
<td>Substance, 76</td>
<td></td>
</tr>
<tr>
<td>— Law of, 75, etc.</td>
<td></td>
</tr>
<tr>
<td>— Structure of, 51</td>
<td></td>
</tr>
<tr>
<td>Superstition, 107</td>
<td></td>
</tr>
<tr>
<td>Suss (I duard), 89</td>
<td></td>
</tr>
<tr>
<td>Syllabus, 115</td>
<td></td>
</tr>
<tr>
<td>Synodikon (of Pappus), 310</td>
<td></td>
</tr>
<tr>
<td>Tablatura, 108</td>
<td></td>
</tr>
<tr>
<td>Telegony, 91</td>
<td></td>
</tr>
<tr>
<td>Teleological explanation, 91</td>
<td></td>
</tr>
<tr>
<td>Tetrapoda, 11</td>
<td></td>
</tr>
<tr>
<td>Thanatia, 67</td>
<td></td>
</tr>
<tr>
<td>— primary, 68</td>
<td></td>
</tr>
<tr>
<td>— secondary, 68</td>
<td></td>
</tr>
<tr>
<td>Theism, 98</td>
<td></td>
</tr>
<tr>
<td>Theocracy, 3</td>
<td></td>
</tr>
<tr>
<td>Theory, 106</td>
<td></td>
</tr>
<tr>
<td>Thought, Organs of, 45, 65, 104</td>
<td></td>
</tr>
<tr>
<td>Time and space, 50</td>
<td></td>
</tr>
<tr>
<td>Time and Space, Reality of, 86</td>
<td></td>
</tr>
<tr>
<td>Tissue, Theory of, 9</td>
<td></td>
</tr>
<tr>
<td>— forming animals, 56</td>
<td></td>
</tr>
<tr>
<td>— forming plants, 56</td>
<td></td>
</tr>
<tr>
<td>Transformism, 27</td>
<td></td>
</tr>
<tr>
<td>Trimurti, 99</td>
<td></td>
</tr>
<tr>
<td>Trinity, Dogma of the, 99</td>
<td></td>
</tr>
<tr>
<td>— Monistic, 119</td>
<td></td>
</tr>
<tr>
<td>Triplotheism, 99</td>
<td></td>
</tr>
<tr>
<td>Trophées, 80</td>
<td></td>
</tr>
<tr>
<td>Tropismata, 45</td>
<td></td>
</tr>
<tr>
<td>Tantrata, 59</td>
<td></td>
</tr>
<tr>
<td>Turbellaria, 57</td>
<td></td>
</tr>
<tr>
<td>Ultramontanism, 110</td>
<td></td>
</tr>
<tr>
<td>Understanding, 44</td>
<td></td>
</tr>
<tr>
<td>Unity of Natural Forces, 84</td>
<td></td>
</tr>
<tr>
<td>— of Substance, 76</td>
<td></td>
</tr>
<tr>
<td>Universum Perpetuum Mobile, 87</td>
<td></td>
</tr>
<tr>
<td>Ursus, 12</td>
<td></td>
</tr>
<tr>
<td>Vaticanism, 111</td>
<td></td>
</tr>
<tr>
<td>Venerates, 10, fainism</td>
<td></td>
</tr>
<tr>
<td>Verworn (Max), 17, 41</td>
<td></td>
</tr>
<tr>
<td>Veylius, 9</td>
<td></td>
</tr>
<tr>
<td>Vibration, Theory of, 77</td>
<td></td>
</tr>
<tr>
<td>Verchow, 10, 18</td>
<td></td>
</tr>
<tr>
<td>Vechow's Mutmorphoses, 33</td>
<td></td>
</tr>
<tr>
<td>Vital force, 15, 93</td>
<td></td>
</tr>
<tr>
<td>Vitalism, 15, 93</td>
<td></td>
</tr>
<tr>
<td>Viscation, 15</td>
<td></td>
</tr>
<tr>
<td>Vogt (J. 1.), 77</td>
<td></td>
</tr>
<tr>
<td>Vogt (Carl), 33</td>
<td></td>
</tr>
<tr>
<td>Waaler Colour Drawing, 129</td>
<td></td>
</tr>
<tr>
<td>Weinmann, 67</td>
<td></td>
</tr>
<tr>
<td>Well, Liberty of the, 46</td>
<td></td>
</tr>
<tr>
<td>— Scale of the, 46</td>
<td></td>
</tr>
<tr>
<td>Wulff (C. F.), 20</td>
<td></td>
</tr>
<tr>
<td>Woman and Christianity, 126</td>
<td></td>
</tr>
<tr>
<td>World consciousness, 61</td>
<td></td>
</tr>
<tr>
<td>— riddles Numbers of, 6</td>
<td></td>
</tr>
<tr>
<td>Wuist (Wilhelm), 30, 61</td>
<td></td>
</tr>
</tbody>
</table>
GLOSSARY

Ablogenous: the spontaneous generation of life
Acrania: animals without skulls
Acrogan: a rudimentary vertical brain
Actualism: the system of development by actually existing agencies
Aetiology: the science of causes
Amoebo. a: after the manner of the amoebo, a microscopic organism
Amphigony: the coalescence of cells and their properties
Anaphase: fate, necessity
Anthropism: a system of thought which makes man the measure of all things
Anthropocentric: making man in the centre of the universe
Anthropogenic: the science of the origin of man
Anthropoid: man-like
Anthropology: the science (or sciences) of man
Anthropomorphism: the tendency to conceive god in human form
Archigony: born by spontaneous generation
Archim. a; the science of geometry, "primitive earth"
Atavism: reversion in hortus to a wild type
Autogony: spontaneous generation of life
Biotrophy: the science of the growth of life
Biogenetics: the science of the germ plasm
Bionomy: the science of the laws of life
Biotic: relating to the development of the individual
Biotic: protoplasm: the material of organisms
Blastula: certain primitive multicellular organism
Blastocyst: the cellular content of the early embryo
Blastema: the cells into which the stem cell divides
Blastoderm: the innermost cell of the embryo
Blastopore: Blasticula: the interior cell of the embryo

Cataclasis: disintegrated
Catabolism: living in communities
Ceno. a: a colony or community of cells
Cenogeny: "new birth, the embryonic development of the individual"
Cenogenesis: pertaining to conceptions
Chemotropism: see ecto-chemotropism
Chordate: the stage of development at which the spinal column appears
Chorion: a portion of the womb to which the embryo attaches
Coelec. a: clothing the visceral cavity
Cortical: the uppermost or grey layer in the brain
Cosmography: the science of the formation of the world

Crania: animals with skulls
Cult. a: the struggle with the Church of Rome in Germany in the seventeenth century
Cytoplasm: the stem cell, or embryonic cell
Determinism: the system which rejects the liberty of the will
Dualism: the system which admits two ultimate realities
Dysteleology: the science of those features of organisms which exclude the idea of a plan, the opposite teleology
Ectoderm: the outer envelope or skin
End. a: the purpose principle in the organism according to Aristotle
Ectropy: the meaning of (or "invention") of cosmic energy by conversion into heat
El. a: the internal development of organs in the fetus
Epithelium: the internal skin or lining of organisms
Fig. a: sphere of work
Fig. a: the microtropism: the physical property by which the ovum and spermatozoon seek to adhere

Cirrh. or of the cirrus, or knots or centres of the nerve system
Gastrula: a primitive, extinct organism from which all the higher animals are descended
Gastrula: the form which the embryo takes immediately after its development
Gastrulation: the process of the formation of the embryo
Germination: birth of budding from the parent form
Genetic: pertaining to development or birth
Genetic: the process which takes the earth to be the centre of the universe
Geology: the science of the formation of the earth
Germplasm: the protoplasmic matter of the embryonic germ

Histology: pertaining to the tissues (hist.'a)
Histology: meat or structure of the tissues
Homology: the close relationship in organisms of different species
Hydrozoa: the group which regards the world as an organism, or all matter as animated
Integumental: who reduced all vital processes to chemical action
Intromechanical: who reduced all vital processes to physical or mechanical action
Indeterminism: the theory of the freedom of the will
GLOSSARY

Karyokine'sis: a stage in the development of the nucleus of the cell.
Kor'mal: communal or cenobitic.
Kinetic energy: energy at work, or in "motion" (kinèsis).
Law of Substance: the law that matter and force are constant or unchanging in their quantity.
Metabolism: the circulation of matter in the living organism.
Metamorphosis: the evolution of species or transformism.
Metamorphosis: change or transformation.
Metaphyta: multi-cellular, tissue-forming plants.
Metasism: the circulation of nutritive matter in the organism.
Metazo'a: multi-cellular, tissue-forming animals without nerves.
Metempsychosis: the transmigration of souls.
Mito'sis: the splitting of the cell-nucleus.
Mönism: the system which holds that the ultimate reality is one (monon).
Mön'tremes: the lowest order of mammals.
Morphology: comparative anatomy, or the science of organic forms.
Mö'ra: a stage of embryonic development when a mulberry-like (morula) appearance is presented.
Multicellular: organisms which consist of many cells.
Neo-vitalism: a revived and modified belief in a specific vital principle in organisms.
Neurology: the science of nerves.
Neu'troplasm: the material of nerve-tissue.
Ontogenesis: the development of the individual organism, and its science.
Ontogenetic: pertaining to ontogenesis.
Ontogeny: ontogenesis.
Osmosis: the interchange of fluids through a porous medium.
Paleontology: the science of fossilized organisms.
Paleogenesis: "older birth," the development of the species in past time.
Palingenetic: pertaining to palingenesis.
Parallelogram: the theory which regards mental and cerebral changes as parallel but distinct series.
Perpetuum mobile: a thing endowed with perpetual motion.
Photometry: the measurement of light.
Phyletism: pertaining to the history or development of the species (phylogen).
Phylogenetic: pertaining to phylogeny.
Phylogeny: the development of the species, and its science.
Pithecanthro'pus: "ape-man," the species intermediate between man and his ape-like ancestors.
Pith(ec)oid: ape-like.

Pithecos'methra-thesis: the thesis which expresses the relation (metron = measure) of the ape to man.
Plankton: organisms floating in water.
Plasma: protoplasm.
Plasmatic: of protoplasm.
Plasmidous: organisms that build up protoplasm from inorganic material.
Plasmodious: organisms that live on the plasma-forming plants.
Plasmogeny: the formation of protoplasm.
Plasticules: the smallest elements or molecules of protoplasm.
Polyphyletic: having more than one source of origin.
Prochoria'ta: mammals with a rudimentary chorion.
Prody'masis: the fundamental force or energy (dynamis) of which all specific forces are several aspects.
Prognas'ter: a primitive gut ( gastér).
Pro'stoma: a primitive mouth (stoma).
Prothyl: the fundamental matter (hydor) of which our chemical elements are diverse forms.
Pro'topsis: the simplest and earliest forms of life.
Proto'phyta: the earliest, unicellular plant-organisms.
Prototopism: the complex, jelly-like substance of which all organisms are composed.
Protozo'a: the earliest, unicellular animal-organisms.
Psychade: a group of cells with a common consciousness.
Psych'e: the "soul" or mind.
Psychogenetic: pertaining to the development of mind.
Psycho-mo'nisim: subjective-idealism, the theory that mind only exists.
Psychos'plasm: protoplasm as the basis of mind.
Pyknos'tis: from pyknosis = a thickening or condensation.
Scatula'tion: an encasing, or enclosing (scatula = a box).
Seba'ccous: fatty.
Teleg'o'logy: the theory of design in nature.
Tel'ic: purposive.
Tetrap'oda: four-footed.
Thanatism: disbelief in personal immortality.
ｂhor'ac'is: of the chest.
Triassic: a geological period.
Transformism: the evolution of species.
Tro'pisms, or tropis'mata: inclinations manifested by lowly organisms.
Ultranationalism: allegiance to Rome.
Unicellular: consisting of one cell.
U'terus: the womb.
Vitalism: the theory of a specific (non-mechanical) principle in living organisms.
Vitalistic: biologists who admit the vital principle.
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