

# Index

## A

*A priorila posteriori*, 140–141

Abelson, Raziell, 56, 57

### Actions

alternative descriptions of, 62, 75

basic, 54, 57, 58, 60, 63, 65, 76–78

causal explanation of, 12, 38, 55, 61, 62, 69–81, 131

caused and causing, 53–55, 57–59, 70–73, 77

contra- (non-) causal explanation of, 53, 56–58, 64, 76

and cultural context, 11, 78, 126, 128

free, 53, 56, 61, 64, 65, 74–81, 130, 140

identified intensionally, 12

individuation of, 61, 64, 74, 115

as intentional, 2, 7–13, 17–19, 22, 23, 29, 31, 48, 54, 58, 61, 64, 65, 74–79, 81, 87, 92, 102, 104–106, 114, 120, 126, 128–131

interpreted, 12, 20, 125, 139

non-basic, 54

non-causally generated, 54

as (and) physical events (movements), 53–55, 58, 62, 64, 72, 75, 76

primitive, 46, 58, 59, 76, 77, 94, 96, 125

Affordance (Gibson), 95–97

Agency, 3, 5, 10, 53, 58, 59, 61, 69–76, 120

Agency model, 71, 73

Agent (immanent) causation, 57–60

Albritton, Rogers, 133

Alston, William, 118–123

Analytic/synthetic (disjunction), 135

Analytical hypotheses (Quine), 115

Analytic philosophy, 135–136

### Animal(s)

behavior of, explained, 8, 17, 19, 22, 24, 28, 30, 39, 42, 46, 47, 61, 70, 81, 85, 93, 94, 96, 97, 99, 102, 103, 112, 113, 115

capable of using symbols, 46

and cognition(s) (perception(s)), 6, 9, 17, 21, 25–29, 40, 41, 43–45, 58, 71, 86, 92, 94, 95, 97, 99, 100, 112–114, 142, 146

cognitive ability of, 43

communicating, 60

conscious and intelligent, 37

language ascribed or denied to, 22

languageless, 13, 19, 22, 25, 28, 36, 43–46, 80

proto-cultural, 48

self-reference among, 19

traditions of, 8, 9, 75, 78, 81, 99, 111, 116, 128, 131

Anomalous monism (Davidson), 57

Anscombe, G.E.M., 32, 33, 65, 66, 109, 131, 132

Anthropomorphism, 36, 37

Apriorism, 6, 126, 137, 140, 141

Arbib, Michael, 90

Aristotle, 141

Armstrong, D.M., 22

Artifactual system, 29, 143, 146

Artificial persons, 5, 11, 20

Ascription of mental (psychological) states, 7–10, 22, 25–27, 37–39, 42–44, 46, 87, 105

Attribute dualism, 1, 2, 5, 10, 13, 87

Augustine (Saint), 111, 112, 114

Austin, J.L., 56, 121, 122

Automaton, 21, 89

**B**

Barthes, Roland, 106  
 Basic (primitive) actions, 54, 57–59, 76, 77  
 Beardsley, Monroe C., 122  
 Beauchamp, Tom L., 82  
 Behaviorism, 6, 45, 116, 117  
 Bennett, Jonathan, 50, 51  
 Bernstein, Richard J., 67  
 Bevar, T.G., 51  
 Biological universals, 113  
 Biologism (Aristotle), 141  
 Boden, Margaret, 32  
 Bodily sensations, 23, 24  
 Bohr, Nils, 143  
 Bogen, Joseph E., 49  
 Bourdieu, Pierre, 92, 105, 106  
 Boysen, Sally, 51  
 Brand, Myles, 83  
 Brentano, Franz, 6, 7, 27  
 Bromberg, Sylvain, 70  
 Bunge, Mario, 14, 147

**C**

Campbell, C.A., 56  
 Caplan, David, 90  
 Carnap, Rudolf (Carnapian), 135  
 Cartesianism, 137  
 Cartesian *cogito*, 17  
 Cartesian dualism, 2, 13, 24, 59  
 Cassirer, Ernst, 140, 141, 142–143  
 Causal explanation(s), 4, 5, 12, 38, 53–57, 62–65, 69–81, 102, 131  
 Causality (causal relations), 3–5, 8, 12, 53–65, 69–76, 78, 102, 131, 132, 140  
 Causal laws, 55–57, 59, 62, 63, 69–73, 77, 79, 81  
 Causation, kinds of, 57–60, 71, 77, 78  
 Chihara, Charles S., 116, 117  
 Chisholm, Roderick M., 57  
 Chomskyan linguistics, 40  
 Chomsky, Noam, 88, 92, 113, 144  
 Cognigenic, 9, 101  
 Cognignomic, 9, 102  
 Cognitivism, 9, 85–106  
 Computational model (processing), 30, 42, 86, 89, 90, 95, 96, 126  
 Concepts, 22, 28, 63, 64, 89–94, 101, 103, 117–119, 124–130  
 Conceptual (intensional) limits, 7–10, 18, 28, 44, 56, 61, 62, 64, 75, 76, 78, 80, 81, 105, 126, 128–130  
 Consciousness  
 animal, 18–29, 35, 37  
 and anthropomorphism, 36, 37

ascriptions of, 17–19, 21–30, 36, 37  
 defined, 20, 27  
 elimination of, 18  
 explanatory role of, 17  
 forensically ascribed, 18  
 linguistically modeled, 18, 22, 27  
 and machines, 20, 21, 23–25, 29, 30  
 paradigms of, 17, 18, 20, 24–26, 31  
 and rationality, 25–29, 31  
 reporting role of, 17, 19, 23  
 self-(reflexive), 18, 19, 23, 24, 27, 29  
 as theoretical posit, 17  
 Constructivism, 141  
 Contra-causal, 53, 56–58, 64, 65  
 Convention T (Tarski), 45  
 “Copernican revolution” (Kant), 137  
 Cornman, James, 15, 31, 33, 83, 107  
 Counterfactual, 4, 5, 55, 56, 65  
 Covering institutions, 10, 12, 62, 81, 131  
 Covering laws, 3, 5, 10, 55, 62, 64, 65, 71–74, 76, 80, 81  
 Criteria (Wittgenstein), 116–118, 127, 128, 130  
 Culler, Jonathan, 108  
 Cultural(ly) (emergent), 5–7, 13, 106, 131  
 Cultural attributes, 6  
 Cultural causes (forces), 12  
 Cultural entities, 10–12, 137, 146  
 Cultural evolution (Formation, transformation)/  
 biological evolution, 144–145, 146  
 Culture (cultural world), *sui generis* evolution  
 of, 136, 138, 141  
**D**  
 Danto, Arthur C., 56–58, 66, 73, 76, 82, 83  
 Darwin, Charles (Darwinian), 141, 144, 145, 146  
 Davidson, Donald, 14, 15, 32, 33, 45, 46, 50, 51, 54–59, 61–67, 72–77, 82, 83, 107, 110, 126, 128–130, 134  
 Dawkins, Richard, 141  
 Deductive (deductive-nomological) model, 70  
 Dennett, Daniel C., 15, 22, 23, 29–33, 85, 106, 107, 129, 134  
 Derrida, Jacques, 108  
 Descartes, René, 2, 17, 41, 43, 45, 50  
 Determinism, 3, 54, 56, 58–61, 63, 70, 74  
 Diachrony (diachronic), 10, 25, 91–93, 95, 100–106, 112, 123  
 Diamond, Cora, 32  
 Dilthey, Wilhelm, 1, 6, 8, 13, 112

- Dobzhansky, Theodosius, 109  
 Donald, Merlin, 145  
 Dray, William, 5, 14, 66  
 Dretske, Fred I., 33  
 Dreyfus, Hubert L., 32, 109  
 Dualism, 1, 2, 5, 10, 13, 24, 42, 53, 56, 57, 59, 87, 95, 112  
 Ducasse, C.J., 55, 65, 82
- E**  
 Eccles, John, 14, 24, 32, 42, 50  
 Embodiment (embodied), 5, 10–13, 130  
 Emergence (emergent), 2–7, 12, 13, 31, 41, 46, 47, 63, 97, 99, 106, 127, 130, 131, 139, 141, 145, 146  
 Empiricist theory of language (empiricism), 126, 128–130, 135, 146  
 Enculturation (cultural learning), 141, 144  
 Essentialism, 60, 72  
 Euclid, 138  
 Evans, Gareth, 107, 134  
 Evans-Pritchard, E.E., 125, 133  
 Explanation by reasons, 57  
 Explanatory models, 1, 54, 65, 69, 96  
 Extensional(ity), 7, 8, 10, 12, 18, 19, 26, 46, 55, 61–65, 72–76, 79, 81, 87, 126, 128–130  
 Extensionalist (reduction), 86, 130, 135
- F**  
 Feigl, Herbert, 13, 14, 24, 32, 33, 67, 73, 79, 82, 83  
 Fetzer, James H., 14  
 Feyerabend, Paul, 18, 31, 108  
 Fichte, J.G., 141  
 Fodor, Jerry A., 15, 32, 50, 83, 85, 90, 93, 96, 99, 106–108, 116, 117, 127–129, 132, 134  
 Forms of life (Wittgenstein), 10, 117, 127, 130  
 Foucault, Michel, 108  
 Frankfort, Harry, 32  
 Freedom, 3, 53, 56, 61–65, 74, 100  
 Freud, Sigmund, 5, 6, 14, 67, 77  
 Frisch, Karl von, 97, 109  
 Fromm, Erich, 80, 83  
 Functional properties, 13
- G**  
 Gadamer, Hans-Georg, 13, 15, 109, 131  
 Gazzaniga, Michael, 49  
 Geach, Peter, 32, 33  
 Geertz, Clifford, 5, 14
- Geisteswissenschaften* (and *Naturwissenschaften*), 1, 73, 112, 136  
 Generative grammar, 93, 127  
 Generative semantics, 94, 129  
 Geschwind, Norman, 42, 50  
 Gibson, J.J., 95–97, 99, 108  
 Glickman, Jack, 15  
 Goffman, Erving, 5, 14  
 Goldman, Alvin I., 54, 61, 65, 67, 75–77, 82, 83  
 Goldmann, Lucien, 109  
 Goodall, Jane, 45  
 Goodman, Nelson, 108  
 Gould, Carol C., 60, 62–65, 67  
 Gould, J.L., 109  
 Grene, Marjorie, 145  
 Grice, H.P., 51, 67, 86–88, 105, 107  
 Griffin, Donald R., 32, 98, 99, 104, 109
- H**  
 Habermas, Jürgen, 14, 32, 67, 131  
*Habitus* (Bourdieu), 105  
 Hacking, Ian, 107  
 Hamlyn, D.W., 108, 109  
 Hampshire, Stuart, 66, 133  
 Harnad, S.R., 49  
 Hart, H.L.A., 66  
 Haugeland, John, 15, 106  
 Hegel, G.W.F., 64, 136–143, 146, 147  
 Helmoholtz, Herman von, 143  
 Hempel, Carl G., 5, 14, 65, 67, 70, 82  
 Herder, Johann, 137  
 Hermeneuts (hermeneutic), 1, 5, 6, 9, 12, 21, 62, 105, 112, 114  
 Hertz, Heinrich, 143  
 Heuristic ascriptions (explanation), 22  
 Hirsch, Eli, 15  
 Hirsch, Jr., E.D., 15, 32, 110  
 Historicity, 112, 136, 138, 140, 141, 146  
 History, 2, 4, 5, 10, 12, 13, 80, 105, 111, 118, 130, 131, 136, 138, 140, 141, 143, 144, 146  
 Hjelmslev, Louis, 88–93, 107  
 Holland, R.F., 66  
 Hölldobler, Bert, 98, 109  
 Holloway, R.L., 49  
*Homo sapiens*, 144–146  
 Homuncular cognitivism, 85, 86  
 Homuncular explanation, 86  
 Homunculi, 23, 31, 86  
 Honoré, A.M., 66  
 Human agency, 5, 53, 58, 71–75, 120

- Human infant (primate), 144  
 Human studies (human sciences), 136, 138, 140  
 Humboldtian (view of language), 92, 104, 128  
 Humean (empiricist), 3, 111–131  
 Hume, David, 55, 65, 82, 146, 148  
 Husserl, Edmund, 6, 15, 33  
 Hypothetico-deductive (deductive) model, 3, 4
- I**  
 Idealism, 125  
 Idealists (German), 137, 138, 141, 142  
 Identity thesis, 55, 77–79  
 Illocutionary-act potential (Alston), 121, 122  
 Immanent (agent) causation, 57, 58  
 Incarnate properties, 12, 13  
 Indeterminism, 54, 56  
 Information, 9, 20, 23, 27, 29–31, 43, 44, 90, 95–97, 99, 119  
 Informational realism, 96  
 Infra-psychological, 8–10, 21, 86, 96, 102, 130  
 Innate linguistic competence (grammar), 20, 48, 127  
 Innate releasing mechanism (Tinbergen), 97, 99  
 Innate rules, 93  
 Innatism (innatist), 6, 93, 94, 100, 116, 126–128  
 Instance/kind, 11  
 Instinctual behavior, 45, 100, 103  
 Intelligence  
   animal, 35, 47, 85  
   cognitivist explanation of, 87, 89–91, 93, 96, 98–101, 139  
   and culture, 104, 106, 115  
   holism of, 105  
   homuncular (sub-molar) explanation of, 85, 86, 101  
   linguistically informed, 85, 86, 100  
   machine (AI) simulation of, 93  
   molar explanation of, 86  
   as psychologically real, 89, 100  
   theories of, 86, 88  
 intensional(ity), 7–10, 12, 22, 61–62, 72, 75, 79–81, 103, 105, 126, 128, 129, 130  
 intentional(ity), 6–13, 22, 27–29, 58, 59, 61, 79, 81, 104–106, 126, 128, 129, 130, 131  
 Intentional(ity), 8–13, 58, 104, 105, 106, 126, 130, 131  
 intention(s), 17, 25, 43, 44, 61, 64, 71, 74, 87, 99, 105, 112, 114, 123
- Interpretive consensus (interpretation), 105, 131  
 Inter-species communication, 36, 41  
 Intertextuality, 105  
 Irrationality, 25, 26, 125
- J**  
 Jacobi, F.H., 139  
 Jarvie, I.C., 125, 132, 133  
 Juhl, P.K., 50
- K**  
 Kalish, D., 50  
 Kant, Immanuel (Kantian), 27, 64, 136–143, 146  
 Katz, Jerrold S., 50, 128, 129, 134  
 Kekes, John, 32  
 Kenny, Anthony, 66  
 Kim, Jaegwon, 65  
 Knowledge, as a (cultural) construction (constructivism), 136, 138, 139, 141, 143  
 Koffka, Kurt, 97  
 Köhler, Eckehart, 14, 15  
 Kristeva, Julia, 108  
 Kuhn Thomas S., 92, 108, 136, 140–143
- L**  
 Lacey, Hugh, 31, 49  
 Langendoen, D., 107  
 Language(s)  
   as abstract system, 127  
   ascribed or denied to animals, 20, 24  
   biological conditions of, 113, 127  
   and culture, 10, 104, 106, 115, 124, 131, 144, 145  
   empiricist theory of, 126  
   and intentionality, 28  
   and machines, 20, 25  
   natural, 6, 8, 19, 20, 22, 35, 36, 41, 46, 89, 90, 92–94, 96, 100, 102–104, 111–134, 144, 145  
   not infra-psychological(ly) (reducible), 130  
   as paradigm of the cultural(ly) (emergent), 130, 131, 144  
   and persons, 123  
   psychologically internalized, 103  
   as psychologically real, 89, 100  
   rationalist theory of, 113, 114  
   as rule-like or rule-governed, 9–11, 124, 132

- and self-consciousness, 19, 20
- as socially real, 87
- socially shared, 118
- as species-specific, 113–117, 127, 130, 131
- structuralist view of, 102
- sui generis*, 89, 130
- written, 87
- Language games (Wittgenstein), 112, 126
- Langue* (Saussure), 88–91, 93
- Lateralization, 39, 40
- Lawlike, 3, 5, 30, 55, 60, 62, 63, 79, 80
- Laws of nature (natural laws), 4, 5, 8, 60, 69, 72, 143
- Learning, 4, 20, 23, 35, 36, 41, 44, 45, 89, 95–97, 99, 100, 103, 104, 112–114, 116–118, 127, 129, 131, 144, 145
- Leiber, Justin, 108
- Leibnizian panpsychism, 3
- Lenneberg, Eric H., 49
- Lévi-Strauss, Claude, 6, 15, 23, 32, 101, 105, 109
- Levy, Jerre, 49
- Lilly, John, 36, 49
- Linguistic communication, 35–37, 103, 115
- Linguistic innatism, 6
- Linguistic modeling, 6, 28
- Linguistic rules, 6, 94, 126, 127, 130
- Linguistic universals, 20, 41, 92, 94, 113
- Logical behaviorism, 116, 117
- Lorenz, Konrad, 32, 38, 49, 97, 99, 104, 106, 109
- Louch, A.R., 132
  
- M**
- Machines, 13, 20, 21, 23–25, 27, 29, 30, 37, 40, 90, 93
- MacIntyre, Alasdair, 132
- MacKay, Donald M., 32
- Mackie, J.L., 66
- Malcolm, Norman, 33, 50
- Margolis, Joseph, 14, 15, 31–33, 49–51, 65–67, 82, 83, 106–110, 132–134
- Marin, Oscar S.M., 49, 50
- Marx, Karl, 60, 67
- Materialism, 1, 2, 4, 7, 12, 18, 21, 24, 26, 44
- Mayr, Ernst, 67
- McDowell, John, 107, 134
- Meaning, 7, 9, 10, 25, 42, 43, 51, 55, 62, 63, 87–89, 106, 111, 114, 115, 117–124, 126–128, 130, 135, 145
- Melden, A.I., 64–67, 82
- Member/set, 11
- Mental predicates, 24, 117
- Mental states, 6–9, 18, 19, 21–30, 42–44, 46, 64, 87, 95, 117, 118
- Merleau-Ponty, Maurice, 15, 85, 92, 106, 131, 132
- Methodological dualism, 112
- Methodological individualism, 87
- Miller, J.D., 50, 109
- Mill, J.S., 55, 56, 82
- Mind/body reduction (identity), 59, 77, 80
- Modern modern philosophy, 136, 137–138
- Molar cognitivism, 85, 86
- Molar level (system), 27, 86, 102, 129
- Montagner, H., 109
- Moore, G.E., 136
- Myers, R.E., 49
  
- N**
- Nagel, Ernest, 14, 69, 82
- Nagel, Thomas, 18, 22, 31, 49
- Naive realism, 89
- Nativism: *see* Innatism
- Natural expressiveness (expression), 113, 116, 118, 129
- Natural language(s), 6, 8, 19, 20, 22, 35, 36, 40, 41, 46, 47, 50, 89, 90, 92–94, 96, 100, 102–104, 107, 111–134, 144, 145
  - and cultural setting, 6
  - and inter-species communication, 36, 41
  - learning of, 36, 113, 116–118
- Natural laws (laws of nature), 3, 5, 8, 69, 72
- Naturwissenschaften* (and *Geisteswissenschaften*), 1, 73, 112
- Neisser, Ulrich, 108
- Neurath, Otto, 13, 67
- Newton, Isaac, 137, 138
- Noble, D., 33
- Nomic universals, 3, 5, 55, 60, 62–64, 72
- Nomological(ity), 5, 9, 12, 55, 56, 70, 131, 146
- Nonconscious systems, 24
- Nonnatural meaning (Grice), 86
- Nonreductive materialism, 1, 2
- Nowell-Smith, P.H., 56, 66
  
- O**
- Ontic dualism, 1, 2, 5, 10, 13, 53, 57
- Ontic monism, 2
- Oppenheim, Paul, 13, 14

**P**

- Parole* (Saussure), 88, 90, 91, 93, 102, 118, 127
- Peirce, Charles Sanders, 15, 46, 47, 51, 140–143, 147
- Perception (sentience), 17, 25–28, 41, 43–45, 71, 86, 92–95, 97, 112–114, 137, 142, 146
- Persons, *see* Self (selves)
- Peters, R.S., 82
- Pettit, Philip, 26, 33
- Phenomenal states, 24
- Phenomenologists, 112
- Physical<sub>2</sub> (Feigl), 73
- Physicalism (physicalistic), 62–64, 72, 79, 85, 86, 114, 135
- Piaget, Jean, 6, 85, 86
- Piattelli-Palmarini, Massimo, 106, 108, 134
- Plato, 127
- Platonism (platonist), 89, 90, 93, 94, 101, 127
- Plessner, Helmuth, 145
- Polanyi, Michael, 85, 92
- Popper, Karl R., 1, 14, 24, 32, 42, 50, 60, 67, 72, 82, 83
- Positivism, 1, 135, 138
- Post-Wittgensteinian(s), 61, 76
- Practices, 8–10, 25, 75, 81, 87, 92, 103–106, 114, 115, 128–131
- Praxis*, 105
- Premack, David, 19, 31–32, 48, 49, 51, 148
- Primate(s), 144–145
- Primitive (basic) actions, 77
- Propositional objects (content), 7, 27
- Protagorean relativism, 125
- Psychological
- categories, 39
  - as cognitive, 85, 99
  - distinct from cultural, 5
  - distinct from physical, 49
  - elimination of, 39
  - explanation, 39, 118
  - and intentionality, 2, 6–8, 27
  - predicates, 37, 39, 42
  - as real, 44
  - states, 7–10, 27, 38, 39, 43, 46, 87, 105
- Purposive systems (ascriptions), 3, 29, 41
- Putnam, Hilary, 13–15, 21, 31, 32, 83, 89, 90, 107, 133
- Pylyshyn, Z., 109

**Q**

- Quine, W.V., 18, 31, 33, 113–116, 123, 128, 129, 132, 135, 147

**R**

- Rachlin, Howard, 49
- Radical behaviorism, 6, 17
- Rationalist theory of language (rationalism), 113, 114
- Rationality, 25–29, 31, 43, 44, 46, 47, 50, 71, 79, 105, 124, 125, 131
- Realist ascriptions, 23
- Realist explanation (realism), 89
- Reasons, 1, 2, 4, 6, 18, 19, 23, 28, 31, 36, 40, 44, 46–48, 57, 59, 60, 62, 63, 70–72, 78–81, 89, 98, 100, 120–122, 127, 129, 132, 137, 140
- Reciprocity, 61, 64, 65
- Reduction(ism), 1–5, 9, 26, 29, 42–46, 59, 64, 75, 77, 79, 80, 85, 86, 114, 128–130, 135, 144, 145
- Reductive materialism, 1, 2, 4, 7, 18, 24, 26, 44
- Reichenbach, Hans, 70, 71
- Relativism, 12, 13, 113, 125
- Ricoeur, Paul, 109
- Roeder, K.D., 49
- Roles (Sellars), 18
- Rorty, Richard, 18, 31
- Rosenberg, Alexander, 82
- Royce, Josiah, 143
- Rules (of language), 130
- Rumbaugh, Duane M., 51
- Russell, Bertrand, 136
- Ruwet, Jean-Claude, 33
- Ryle, Gilbert, 23, 32, 56, 57, 66

**S**

- Saffran, Eleanor M., 49
- Salmon, Wesley C., 14, 67, 70, 71, 82
- Saunders, R.J., 51
- Saussure, Ferdinand de, 88
- Savage-Rumbaugh, E. Sue, 51
- Sayre, Kenneth, 32, 33
- Schaffner, Kenneth, 14, 147
- Schleiermacher, Friedrich, 21, 32
- Schwartz, Myrna F., 49
- Scientism, 135–136
- Sebeok, Thomas A., 50, 109
- Self (person)
- as constructed (self-constructed), 138, 145
  - as hybrid (emergent), 145, 146
  - as “natural artifact” (Grene), 145–146
  - not natural kind, 146

Self-consciousness, 19, 20  
 Self-determinism, 56  
 Self-reference, 19  
 Sellars, Wilfrid, 2, 14, 18, 31, 45, 50, 79, 80, 83  
 Semantic regularities, 123, 124  
 Semi-intensional (Danto), 56, 73  
 Sentience, 29, 60  
 Shannon, C. E., 32  
 Sibley, F.N., 50  
 Sign, 47, 97  
 Singular causal statements (singular cases), 55, 72, 73  
 Skinner, B.F., 15, 17, 18, 31, 38, 49, 113, 114, 129, 132  
 Smart, J. J.C., 4, 14, 33, 72, 82  
 Sperry, R.W., 49  
 Stalker, Douglas L., 15  
 Statistical explanation, 70  
 Statistical laws, 3, 60, 64, 69, 70, 72, 80  
 Steklis, H. D., 49  
 Stenhouse, David, 50  
 Stimulus meaning (Quine), 115  
 Stoutland, Frederick, 83  
 Strawson, P.F., 33  
 Stroud, Barry, 82  
 Structuralism (structuralist), 6, 23, 89, 90, 92, 93, 101, 102, 105  
 Symbol(izing) (capacity), 46  
 Synchronic (idealization), 11, 91  
 Synonym(y), 119, 120  
 System (structuralist), 6, 23, 89, 90, 92, 93, 101, 102, 105

**T**

Tacit knowledge (Polanyi), 85, 128  
 Tarski, Alfred, 45, 46, 50, 90, 107, 126, 129, 134  
*Taxis*, 97, 99, 100, 103  
 Taylor, Charles, 29, 33, 50, 67  
 Teichman, Jenny, 32  
 Terrace, H.S., 31, 51  
 Texts, 21, 106, 113, 122, 132, 143  
 Thalberg, Irving, 66  
 Thought (thinking), 23, 45, 47, 48, 60, 142  
 Tinbergen, Niko, 32, 33, 38, 49, 97–99, 108, 109

Token identity, 79  
 Tokens-of-types, 10, 11  
 Tolman, E.C., 50  
 Totalized (totalizing), 90, 101, 131  
 Transient causation, 57, 58  
 Translation, 115  
 Types, 10, 11, 86, 101

**U**

Umika-Sebeok, Jean, 31  
 Unconscious states, 25  
 Unity of science, 1–5, 10, 12, 13, 59, 62, 63, 73, 135, 137, 143, 146  
 Universal laws (nomic universals), 72

**V**

Vendler, Zeno, 32, 33, 50  
 Vico, Giambattista, 113, 136, 137  
 Virtual objects (Gibson), 96  
 Vygotsky, L.S., 109

**W**

Walker, Edward, 50  
 Watson, James D., 33  
 Weaver, W., 32  
 Weber, Max, 5, 14, 83  
 Weygolde, Peter, 50  
 Wiener, Norbert, 32  
 Wiggins, David, 15  
 Williams, Bernard, 33  
 Wilson, E.O., 141  
 Winch, Peter, 13, 62, 67, 112, 113, 115, 116, 124, 125, 132, 134  
 Wittgenstein, Ludwig, 10, 13, 15, 33, 61, 101, 109, 111–118, 125, 127–132  
 Wollheim, Richard, 15  
 Wolterstorff, Nicholas, 15  
 Woodruff, Guy, 51

**Z**

Zaidel, D., 49  
 Zaidel, E., 49  
 Ziff, Paul, 15, 122, 123, 133