

REFERENCES AND FURTHER READING

- Albert, S., and D. Whetten (1985). "Organizational Identity," in *Research in Organizational Behavior*, ed. L. L. Cummings and B. M. Staw, vol. 7, pp. 263–295. Greenwich, CT: JAI Press.
- Albert, S., B. E. Ashforth, and J. E. Dutton (2000). "Organizational Identity and Identification: Charting New Waters and Building New Bridges," *Academy of Management Review* 25: 13–17.
- Alexander, C., S. Ishikawa, M. Silverstein, M. Jacobson, I. Fiksdahl-King, and S. Angel (1977). *A Pattern Language*. New York, Oxford University Press.
- Alston, W. (1998). "Sellars and the 'Myth of the Given,'" Paper Delivered At Eastern Division Apa Meeting, Washington.
- Antonovsky, A. (1979). *Health, Stress and Coping*. San Francisco: Jossey Bass.
- (1987). *Unraveling the Mystery of Health. How People Manage Stress and Stay Well*. San Francisco: Jossey-Bass.
- (1993). "The Structure and Properties of the Sense of Coherence Scale," *Social Science and Medicine* 36: 725–733.
- Astley, W. (1985). "Administrative Science As Socially Constructed Truth," *Administrative Science Quarterly* 30: 497–513.
- Astley, W., and R. Zammuto (1992). "Organization Science, Managers, and Language Games," *Organization Science* 3(4): 443–474.
- Bacon, S. (1983). *The Conscious Use of Metaphor in Outward Bound*. Denver, CO: Colorado Outward Bound School.
- Bakhtin, M. M. (1985). *Problems of Dostoevsky's Poetics*. Minneapolis, MN: University of Minnesota Press.
- (1981). *The Dialogical Imagination*. Austin: University of Texas Press.
- (1984a). *Rabelais and His World*, trans H. Iswolsky. Bloomington, IN: Indiana University Press.
- (1986). *Speech Genres and Other Late Essays*, ed. C. Emerson and M. Holquist, trans. V. W. McGee. Austin, TX: University of Texas Press.
- (1990). *Art and Answerability*. Austin, TX: University of Texas Press.
- (1981). *The Dialogic Imagination: Four Essays*, trans. C. Emerson and M. Holquist. Austin, TX: University of Texas Press.
- Bal, M. (1985). *Narratology: Introduction to the Theory of Narrative*. University of Toronto Press.

- Baldwin, C. Y., and K. B. Clark (2000). *Design Rules: The Power of Modularity*. Cambridge, MA: MIT Press.
- Bandura, A. (1977). "Self-efficacy: Toward a Unifying Theory of Behavioral Change," *Psychological Review* 84: 191–215.
- (1997). *Self-efficacy: The Exercise of Control*. New York: W. H. Freeman and Company.
- Barkow, J. H., L. Cosmides, J. Tooby (eds.) (1992). *The Adapted Mind: Evolutionary Psychology and the Generation of Culture*. New York, Oxford: Oxford University Press.
- Barnes, T. J., and S. D. James (eds.) (1992). *Writing Worlds: Discourse, Text and Metaphor in the Representation of Landscape*. London: Routledge.
- Barrett, F., G. Thomas, and S. Hocevar (1995). "The Central Role Of Discourse in Large-Scale Change, A Social Construction Perspective," *Journal Of Applied Behavioral Science* 31(3): 352–372.
- Barry, D., and M. Elmes (1997). "Strategy Retold: Toward a Narrative View of Strategic Discourse," *Academy of Management Review* 22: 429–52.
- Barsalou, L. W. (2000). "Concepts: Structure," in *Encyclopedia of Psychology*, ed. A. E. Kazdin, vol. 2, pp. 245–248. New York: Oxford University Press (American Psychological Association).
- (2002). "Being There Conceptually: Simulating Categories in Preparation for Situated Action," in *Representation, Memory, and Development: Essays in Honor of Jean Mandler*, ed. N. L. Stein, P. J. Bauer, and M. Rabinowitz, pp. 1–16. Mahwah, NJ: Erlbaum.
- Barsalou, L.W., S. A. Sloman, and S. E. Chaigneau (2005). "The HIPE Theory of Function," in *Representing Functional Features for Language and Space: Insights from Perception, Categorization and Development*, ed. L. Carlson and E. van der Zee, pp. 131–147. Oxford: Oxford University Press.
- Bartel, C. A., and R. Garud (2009). "The Role of Narratives in Sustaining Organizational Innovation," *Organization Science* Vol. 20, No. 1 (January–February): 107–117.
- Barthes, R. (1953). *Le degré zéro de l'écriture*. Paris: Seuil.
- (1968). *Elements of Semiology*, trans. A. Lavers and C. Smith. New York: Noonday Press. Originally published as *Éléments de Sémiologie*. Paris: Éditions du Seuil (1964).
- (1970) *S/Z*. Paris: Seuil.
- (1972). *Critical Essays*. Chicago: Northwestern University Press.
- (1972). *Mythologies*, trans. A. Lavers. New York: Noonday Press. Originally published as *Mythologies*. Paris: Éditions du Seuil (1957).
- (1981). "Introduction to the Structural Analysis Of Narratives," in *A Barthes Reader*, ed. S. Sontag, pp. 251–295. New York: Hill and Wang.
- Bartlett, F. (1932, 1977). *Remembering, a Study in Experimental and Social Psychology*. Cambridge: Cambridge University Press.
- Barwise, J., and J. Perry (1983). *Situations and Attitudes*. Cambridge: MIT Press.
- Bateson, G. (1972). *Steps to an Ecology Of Mind*. New York: Ballantine.

- Baudrillard, J. (1993). "Symbolic Exchange and Death," in *Theory, Culture & Society*, trans. I. Hamilton Grant. Thousand Oaks, CA: Sage. Originally published as *L'échange symbolique et la mort*. Paris: Gallimard (1976).
- Baudrillard, J. (1984). "The Precession of Simulacra," in *Art After Modernism: Rethinking Representations*, ed. B. Wallis, vol. 1, New York: Museum of Contemporary Art.
- Bechtel, W., and A. Abrahamsen (2002). *Connectionism and the Mind: Parallel Processing, Dynamics, and Evolution in Networks*. Oxford: Blackwell Publishers.
- Bechtel, W., and R. C. Richardson (1993). *Discovering Complexity: Decomposition and Localization as Strategies in Scientific Research*. Princeton: Princeton University Press.
- Beck, Ulrich (1992). *Risk Society: Towards a New Modernity*. New Delhi: Sage. (Trans. from the German *Risikogesellschaft de:Risikogesellschaft* published in 1986).
- Bellavita, C., and E. M. Gordon (2006). "Changing Homeland Security: Teaching the Core," *Homeland Security Affairs II*, no. 1 (April).
- Berg, P. (1986). "Symbolic Management Of Human Resources," *Human Resource Management* 25: 557–559.
- Berger, P., and T. Luckman, T. (1966). *The Social Construction of Reality: A Treatise in the Sociology of Knowledge*. New York: Anchor Books.
- Bergson, H. (1998 [1911]). *Creative Evolution*, trans. A. Mitchell. New York: Dover Publications.
- Black, M. (1962). *Models and Metaphor: Studies in Language and Philosophy*. Ithaca, NY: Cornell University Press.
- Black, M. (1979). "More about Metaphor," in *Metaphor and Thought*, ed. A. Ortony, pp. 19–43. Cambridge: Cambridge University Press.
- Boisot, M. (1995). *Information Space*. London: Routledge.
- Boje, D. M. (1991). "The Storytelling Organization, A Study Of Story Performance in An Office-Supply Firm," *Administrative Science Quarterly* 36: 106–126.
- (1994). "Organizational Storytelling: The Struggles of Pre-modern, Modern & Postmodern Organizational Learning Discourses," *Management Learning Journal* 25(3): 433–461.
- (1995). "Stories of the Storytelling Organization: A Postmodern Analysis of Disney as 'Tamara-land'," *Academy of Management Journal* 38(4): 997–1035.
- (2001). *Narrative Methods for Organizational and Communication Research*. Sage Publications, London.
- Boje, D. M., J. Gephart and T. Thatchenkery (1996). *Postmodern Management & Organizational Theory*. Thousand Oaks, CA: Sage.
- Boland, R. J., Jr., and R. V. Tenkasi (1995). "Perspective Making and Perspective Taking in Communities of Knowing," *Organ. Sci.* 6(4): 350–372.
- Boland, R. J., Jr., R. V. Tenkasi, and D. Te'eni (1994). "Designing Information Technology to Support Distributed Cognition," *Organ. Sci.* 5: 456–475.
- Bolman, L., and T. Deal (1991). *Reframing Organizations*. San Francisco: Jossey Bass.
- Bonjour, L. (1969). "Knowledge, Justification and Truth: A Sellarsian Approach to Epistemology," dissertation, Princeton University.
- Bourdieu, P. (1987). *Choses dites. Le sens Commun*. Minuit, Paris.

- (1990). "Irresistible Analogy," in *The Logic of Practice*, trans. R. Nice, pp. 200–270. Stanford: Stanford University Press. Originally published as *Le sens pratique*. Paris: Les Éditions de Minuit, 1980.
- (1991 [1982]). *Language and Symbolic Power*, ed. John B. Thompson, trans. Gino Raymond and Matthew Adamson. Cambridge, MA: Harvard University Press. Originally published as *Ce que parler veut dire: l'économie des échanges linguistiques*. Paris, Librairie Arthème Fayard.
- (1991). *Language and Symbolic Power*, ed. J. Thompson. Cambridge: Harvard University Press.
- (1977). *Outline Of A Theory Of Practice*, trans. R. Nice. Cambridge: Cambridge University Press.
- (1990 [1980]). *The Logic of Practice*, trans. R. Nice. Stanford: Stanford University Press. Originally published as *Le sens pratique*. Paris: Les Éditions de Minuit.
- (1990). *In Other Words—Essays Towards a Reflexive Sociology*, (translation by Matthew Adamson of Choses Dites [Paris 1987] with two added essays). Cambridge: Polity Press.
- Bracker, J. (1980). "The Historical Development of the Strategic Management Concept," *Academy of Management Review* 5(2): 219–224.
- Brink, T. (1993). "Metaphor As Data in The Study Of Organizations," *Journal Of Management Inquiry* 2(4): 366–371.
- Broad, C. D. (1925). *The Mind and Its Place in Nature*. London: Routledge & Kegan Paul.
- Brown, J. S. (ed.) (1997). *Seeing Differently: Insights on Innovation*. Boston, MA: Harvard Business School Press.
- Brown, J. S., and P. Duguid (1991). "Organizational Learning and Communities Of Practice," *Organization Science* 2: 40–57.
- (2000). *The Social Life of Information*. Boston, MA: Harvard Business School Press.
- (2000). "Practice vs. Process: the Tension that Won't Go Away," *Knowledge Directions* 2, no. 1 (Spring): 86–96.
- Brown, J. S., A. Collins, and P. Duguid (1989). "Situated Cognition and the Culture of Learning," *Educational Researcher* 18 (1): 32–41.
- Bruner, J. (2002). *Making Stories Law, Literature, Life*. New York: Farrar, Straus & Giroux.
- Bruner, J. R. (1986). *Actual Minds, Possible Worlds*. Cambridge, MA: Harvard University Press.
- (1990). *Acts Of Meaning*. Cambridge, MA: Harvard University Press.
- Bruner, J. R., J. J. Goodnow, and G. A. Austin (1956). *A Study of Thinking*. New York: Wiley.
- Carlsen, A., and S. Gudmundsdottir (2001). "Stories of What Could Be: Strategic Change and the Narrative Mode of Thought," 17th EGOS Colloquium, Lyon, France.
- Caspi, A. (1998). "Personality Development across the Life Course," in *Handbook of Child Psychology, Vol. 3: Social, Emotional, and Personality Development*, ed. W. Damon (series ed.) and N. Eisenberg, pp. 311–388. New York: Wiley.

- Castells, M. (1996). *The Information Age: Economy, Society and Culture Vol. I: The Rise of the Network Society*. Cambridge MA; Oxford UK: Blackwell.
- Cervone, D. (1997). "Social-cognitive Mechanisms and Personality Coherence: Self-knowledge, Situational Beliefs, and Cross-situational Coherence in Perceived Self-efficacy," *Psychological Science*, 8: 43–50.
- Cervone D., and Y. Shoda (eds.) (1999). *The Coherence of Personality: Social-cognitive Bases of Consistency, Variability, and Organization*. New York: Guilford Press.
- (1999). "Beyond Traits in the Study of Personality Coherence," *Current Directions in Psychological Science*, 8: 27–32.
- Checkland, P., and J. Scholes (1990). *Soft Systems Methodology in Action*. New York: John Wiley and Sons.
- Chia, R. (2000). "Discourse Analysis as Organizational Analysis," *Organization* 7(3): 513–518.
- (1995). "From Modern To Postmodern Organizational Analysis," *Organization Studies*, 16(4): 579–604.
- (1996). *Organizational Analysis As Deconstructive Practice (De Gruyter Studies in Organization, No 77)*. Berlin, Walter De Gruyter.
- Chia, R., and A. Langley (2004). "The First Organization Studies Summer Workshop: Theorizing Process in Organizational Research," (call for papers), *Organization Studies* 25(8): 1486.
- Churchman, C. (1967). "Wicked Problems," *Management Science* 4(14): B141–142.
- Cilliers, P. (1998). *Complexity and Postmodernism: Understanding Complex Systems*. New York: Routledge.
- (2000a). "Rules and Complex Systems," *Emergence* 2(3): 40–50.
- (2000b). "What Can We Learn from a Theory of Complexity?" *Emergence* 2(1): 23–33.
- Clancey, W. (1992a). "Representations of Knowing, in Defense of Cognitive Apprenticeship," *Journal Of Artificial Intelligence* 3: 139–168.
- (1992b). "Situated Means Coordinating Without Deliberation," Paper Presented at the McDonnell Foundation Conference, *The Science Of Cognition*, Santa Fe, NM, June 1992.
- (1997). *Situated Cognition, On Human Knowledge and Computer Representations (Learning in Doing—Social, Cognitive and Computational Perspectives)*. Cambridge: Cambridge University Press.
- Clancy, J. (1989). *The Invisible Powers, The Language Of Business*. Lexington, MA: Lexington Books.
- Clark, Andy (1997). *Being There: Putting Brain, Body, and World Together Again*. Cambridge, MA: MIT Press.
- Clough, Patricia (2000). *Autoaffection: Unconscious Thought in the Age of Teletechnology*. University of Minnesota Press.
- Cohen, I. B. (1993). "Analogy, Homology, and Metaphor in the Interactions between the Natural Sciences and the Social Sciences, Especially Economics," in *Non-natural Social Science: Reflecting on the Enterprise of More Heat than Light*, ed. N. de Marchi, pp. 7–44. Durham, NC: Duke University Press (Annual Supplement to Volume 25, *History of Political Economy*).

- Cohen, J., and I. Stewart (1994). *The Collapse of Chaos: Discovering Simplicity in a Complex World*. New York: Viking/Penguin.
- Collins J. (2001). *Good to Great: Why Some Companies Make the Leap . . . and Others Don't*. New York: Harper Business.
- (2009). *How The Mighty Fall: And Why Some Companies Never Give In*. Self-published.
- Collins, J., and J. Porras (1994). *Built To Last, Successful Habits of Visionary Companies*. New York: Harper Collins.
- Conger, J. (1991). "Inspiring Others, The Language Of Leadership," *Academy Of Management Executive* 5(1): 31–45.
- Connell, A., and W. Nord (1996). "Infiltration of Organization Science By Uncertainty and Values," *Journal Of Applied Behavioral Science* 32(4): 407–427.
- Cowan, G. A., D. Pines, and D. Meltzer (eds.) (1994). *Complexity: Metaphors, Models, and Reality, Proceedings of the Santa Fe Institute, Vol. XIX*. Reading, MA: Addison-Wesley.
- Craik, K. (1943). *The Nature of Explanation* Cambridge. England: Cambridge University Press.
- Cryer, B. (2006). *From Chaos to Coherence (The Power to Change Performance)*. Chicago: HeartMath.
- Csikszentmihalyi, M. (1990). *Flow: The Psychology of Optimal Experience*. New York: HarperCollins.
- Czarniawska, B. (1997). "A Four Times Told Tale: Combining Narrative and Scientific Knowledge in Organization Studies," *Organization* 4, no. 1 (February): 7–30.
- (1998). *A Narrative Approach In Organization Studies*. Thousand Oaks, Sage.
- (1999). *Writing Management*. Oxford, Oxford University Press.
- Czarniawska-Joerges, B. (1995). "Narration Or Science? Collapsing The Division in Organization Studies," *Organization* 2(1): 11–33.
- Daft, R., and K. Weick (1984). "Toward a Model of Organizations As Interpretation Systems," *Academy Of Management Review* 9: 284–295.
- Davies, B., and R. Harre (1990). "Positioning: The Discursive Production of Selves," *Journal for the Theory of Social Behaviour* 20: 43–64.
- Deetz, S. (1986). "Metaphors and The Discursive Production and Reproduction Of Organization," in *Organization—Communication, Emerging Perspectives*, ed. I. Thayer, pp. 168–182. Norwood, NJ: Ablex.
- (1992). *Democracy in an Age of Corporate Colonization*. Albany: SUNY Press.
- (1996). "Describing Difference in Approaches to Organization Science, Rethinking Burrell and Morgan and Their Legacy," *Organization Science* 7(2).
- Deleuze, G. (1968, 1994). *Difference and Repetition*, trans. P. Patton. New York: Columbia University Press.
- (1986). *Foucault*, trans. Sean Hand. Minneapolis: University of Minnesota Press.

- (1995). *Negotiations*, trans. Martin Joughin. New York: Columbia University Press.
- (1993 [1997]). *Critique et clinique*. Paris: Minit. Trans. Daniel W. Smith and Michael Greco, *Essays Critical and Clinical*. University of Minnesota Press.
- Deleuze, G., and F. Guattari (1987). *A Thousand Plateaus: Capitalism and Schizophrenia*, trans. Brian Massumi. Minneapolis: University of Minnesota Press. Originally published as *Mille Plateaux*, vol. 2 of *Capitalisme et Schizophrénie*. Paris: Les Éditions de Minit, 1980, chaps. 1, 4, 5, 9, 12, 13, and 15.
- Deleuze, G., and Claire Parnet (1977). *Dialogues*, trans. Hugh Tomlinson and Barbara Habberjam. NY: Columbia University Press.
- Derrida, J. (1973 [1967]). *Speech and Phenomena, and Other Essays on Husserl's Theory of Signs*, trans. David B. Allison, *Northwestern University Studies in Phenomenology & Existential Philosophy*. Evanston: Northwestern University Press. Originally published as *La Voix et le Phénomène*. Paris: Presses Universitaires de France.
- (1970). "Structure, Sign, and Play in the Discourse of the Human Sciences," in *The Languages of Criticism and the Sciences of Man: The Structuralist Controversy*, ed. Eugenio Donato and Richard Macksey, pp. 247–265. Baltimore: Johns Hopkins Press.
- (1973). *Speech and Phenomena, and Other Essays on Husserl's Theory of Signs*. Evanston, IL: Northwestern University Press.
- (1976). *Of Grammatology*. Baltimore: Johns Hopkins University Press.
- (1981). *Writing and Difference*. Chicago: University of Chicago Press.
- (1981). "Play: From the Pharmakon to the Letter and from Blindness to the Supplement," in *Dissemination*, trans. Barbara Johnson. pp. 156–171. Chicago: University of Chicago Press. Originally published as *La Dissemination*, Paris: Editions du Seuil, 1972.
- (1988). *Limited Inc*, Samuel Weber and Jeffrey Mehlman. trans. Evanston, IL: Northwestern University Press.
- Devlin, K., and D. Rosenberg (1996). *Language at Work*. Stanford: CSLI Publications.
- Dewey, J. (1934). *Art as Experience*. New York: Perigree.
- (1938 [1966]). *Experience and Education*. New York, NY: Touchstone.
- Donnellon, A., B. Gray, and M. Bougon (1986). "Communication, Meaning and Organized Action," *Administrative Science Quarterly* 31(1): 43–55.
- Douglas, M. (1986). *How Institutions Think*. Syracuse, NY: Syracuse University Press.
- Doving, E. (1994). "Using Anthropomorphic Metaphors: Organizational Action, Knowledge, and Learning," Paper presented at the Conference on Metaphors in Organisational Theory and Behaviour, King's College, University of London.
- Dretske, F. (1991). *Explaining Behavior: Reasons in a World of Causes*. Cambridge, MA: MIT Press.
- (1995). *Naturalizing the Mind*. Cambridge, MA: MIT Press.

- Eliasmith, C., and P. Thagard (1997). "Waves, Particles, and Explanatory Coherence," *British Journal for the Philosophy of Science* 48: 1–19.
- (2001). "Integrating Structure and Meaning: A Distributed Model of Analogical Mapping," *Cognitive Science* 25: 245–286.
- Emmeche, C., S. Køppe, and F. Stjernfelt (1997). "Explaining Emergence: Towards an Ontology of Levels," *Journal for General Philosophy of Science* 28: 83–119.
- Emmeche, C. (2000). "Closure, Function, Emergence, Semiosis and Life: The Same Idea? Reflections on the Concrete and the Abstract in Theoretical Biology," *Annals of the New York Academy of Sciences* 901: 187–197.
- Fauconnier, G., and M. Turner (2002). *The Way We Think: Conceptual Blending and The Mind's Hidden Complexities*. New York: Basic Books.
- Fell, L., and D. Russell (1994). "Towards A Biological Explanation Of Human Understanding," *Cybernetics and Human Knowing* 21(4).
- Fiol, C. (1989). "A Semiotic Analysis Of Corporate Language, Organizational Boundaries and Joint Venturing," *Administrative Science Quarterly* 34: 277–303.
- Flach, J. M., and J. Holden (1998). "The Reality of Experience: Gibson's Way," *Presence* 27(1): 90–95.
- Foerster, H. V. (2002). *Understanding Understanding: Essays on Cybernetics and Cognition*. Berlin: Springer Verlag.
- Ford, J., and L. Ford (1995). "The Role of Conversations in Producing Intentional Change in Organizations," *Academy of Management Review* 20: 541–570.
- Foss, N. J., and J. F. Christensen (1999). "Corporate Coherence: a Market Process Approach," *Managerial and Decision Economics* 22: 213–226.
- Foucault, M. (1972). *The Archeology of Knowledge*. London: Tavistock.
- (1972). "Appendix: The Discourse on Language," in *The Archaeology of Knowledge*, trans. A. M. Sheridan Smith, pp. 215–237. New York: Pantheon Books.
- (1986). "Polemics, Politics, and Problematizations," in *The Foucault Reader*, ed. P. Rabinow. Harmondsworth: Penguin Books.
- (1989). *This Is not a Pipe*. Berkeley: University of California Press.
- Fox, Warwick (2006). *A Theory of General Ethics: Human Relationships, Nature, and the Built Environment*. Cambridge, MA: The MIT Press.
- Fox-Keller, E. (2002). *Making Sense Of Life: Explaining Biological Development With Models, Metaphors, And Machines*. Cambridge, MA: Harvard University Press.
- Frith, U. (2004). *Autism—Mind and Brain*. Oxford, Oxford University Press.
- Fujimura, J. (1992). "Crafting Science: Standardized Packages, Boundary Objects, And 'Translation'," in *Science As Practice And Culture*, ed. A. Pickering. Chicago: University of Chicago Press.
- Gabriel, Y. (2000). *Story Telling in Organizations: Facts, Fictions, and Fantasies*. Oxford: Oxford University Press.
- Gadamer, H.-G. (1975). *Truth and Method*, 2nd ed. New York: Seabury Press.

- Gagliardi, P. (ed.) (1990). "Symbols and Artifacts, Views Of The Corporate Landscape De Gruyter Studies," *Organization*, vol. 24, Berlin: Walter De Gruyter.
- Gagne, R. (1985). *The Conditions of Learning*, 4th ed. New York: Holt, Rinehart & Winston.
- Gartner, W. B., B. J. Bird, and J. A. Starr (1992). "Acting As If: Differentiating Entrepreneurial From Organizational Behaviour," *Entrepreneurship Theory and Practice* (Spring): 13–31.
- Gates, Bill (1995). "The Internet Tidal Wave," Microsoft, May 26, 1995, <http://www.usdoj.gov/atr/cases/exhibits/20.pdf>.
- Gaver, W. W. (1993). "What In The World Do We Hear? An Ecological Approach To Auditory Event Perception," *Ecological Psychology* 5(1): 1–29.
- Gibson, J. J. (1966). *The Senses Considered as Perceptual Systems*, Boston, MA: Houghton Mifflin.
- (1977). "The Theory of Affordances," in *Perceiving, Acting and Knowing*, ed. R. Shaw and J. Bransford. Hillsdale, NJ: Erlbaum.
- (1986 [1979]). *The Ecological Approach to Visual Perception*. Hillsdale, NJ: Lawrence Erlbaum.
- Gilbert, S. F., and J. A. Bolker (2001). "Homologies of process and modular elements of embryonic construction," *J Exp Zool (Mol Dev Evol)* 291: 1–12.
- Gioia, D. A., M. Schultz, and K.G. Corley (2000). "Organizational Identity, Image And Adaptive Instability," *Academy Of Management Review* 25/1: 63–81.
- Goertzel, B. (1994). *Chaotic Logic: Language, Thought and Reality from the Perspective of Complex Systems Science*. New York: Plenum Books.
- (1997). "Chaos and Pattern in Complex Systems," in *Chaos, Complexity and Sociology: Myths, Models, and Theories*, ed. R. Eve, S. Horsfall, and M. Lee, pp. 153–159. Thousand Oaks, CA: Sage.
- (2001) "Waking Up From The Economy of Dreams," <http://www.goertzel.org/benzine/WakingUpFromTheEconomyOfDreams.htm>.
- Goffman, E. (1974). *Frame Analysis, An Essay On The Organization Of Experience*. London: Harper and Row.
- Goldstein, J. (1999). "Emergence As a Construct: History And Issues," *Emergence* 1(1): 49–72.
- Gombrich, E. H. (1999). *The Image And The Eye: Further Studies In The Psychology Of Pictorial Representation*. London: Phaidon Press.
- Gopnik, A., and A. Meltzoff (1997). *Words, Thoughts, and Theories*, Cambridge: MIT Press.
- Gould, S. J. (2002). *The Structure of Evolutionary Theory*. Cambridge, MA: Harvard University Press.
- Gratton, L. (2000). "Living Strategy: Putting People at the Heart of Corporate Purpose," *London Financial Times*. Prentice Hall.
- Gray, B., M. G. Bougon, and A. Donnelon (1985). "Organizations As Constructions and Deconstructions Of Meaning," *Journal Of Management* 11(2): 77–92.
- Greenberg, D. (1995). "Blue Versus Gray, A Metaphor Constraining Sense-making Around A Restructuring," *Group and Organization Management* 20(2): 183–209.

- Greeno, J. (1989). "Situations, Mental Models, and Generative Knowledge" in *Complex Information Processing, The Impact Of Herbert A. Simon*, ed. D. Klahr and K. Kotovsky. Hillsdale, NJ: Erlbaum.
- Greimas, A. ([1966] 1983). *Structural Semantics*. Lincoln, NB: University of Nebraska Press.
- (1987). *On Meaning: Selected Writings in Semiotic Theory*, trans. Paul J. Perron and Frank H. Collins. London: Frances Pinter.
- (2002) [first edition 1966]. *Sémantique structurals*. Paris: PUF.
- Gretsky, W. (2000). c.f. *Fast Company*, June 2000.
- Habermas, J. (1987). *The Philosophical Discourse of Modernity: Twelve Lectures*. Cambridge: MIT Press.
- (1987). *The Theory Of Communicative Action, Lifeworld and System, A Critique Of Functionalist Reason*. Boston: Beacon Press.
- (1972). *Knowledge and Human Interests*. London: Heinemann.
- (1984). *The Theory Of Communicative Action, Reason and The Rationalization Of Society, Volume One*. Boston: Beacon Press.
- (1991). "Comments on John Searle, Meaning, Communication and Representation," in *John Searle and His Critics*, ed. E. Lepore and R. Van Gulick, pp. 17–31. Cambridge: Blackwell.
- (1970). "On Systematically Distorted Communication," *Inquiry* 13(4).
- Hacking, I. (1999). *The Social Construction of What*. Cambridge, MA: Harvard University Press.
- Hall, B. K. (1995). "Homology and embryonic development," *Evol Biol* 28: 1–37.
- Hammersley, M. (1999). "Not Bricolage but Boatbuilding: Exploring Two Metaphors for Thinking about Ethnography," *Journal of Contemporary Ethnography* 28(5): 574–585.
- Hanson, N. (1958). *Patterns of Discovery*. Cambridge: Cambridge University Press.
- Happé, F., and U. Frith (2006). "The Weak Coherence Account: Detail-focused Cognitive Style in Autism Spectrum Disorders," *J Autism Dev Disord* 36(1): 5–25.
- Hargadon, A. B., and A. Fanelli (2002). "Action and Possibility: Reconciling Dual Perspectives of Knowledge in Organizations," *Organization Science* 13(3): 290–302.
- Hartman, G. (1999). *Saving The Text: Literature, Derrida, Philosophy*. Baltimore: Johns Hopkins University Press.
- Havel, V. (ed.) (1990). *The Power Of The Powerless, Citizens Against The State in Central-Eastern Europe*. White Plains: M E Sharpe, as cited in Lewis (1997).
- Hawken, P. (1993). *The Ecology of Commerce: A Declaration of Sustainability*. New York: HarperCollins.
- Hebdige, R. (1979). *Subculture: The Meaning of Style*. London: Methuen & Co.
- (1987). *Cut 'n Mix: Culture, Identity and Caribbean Music*. London: Routledge.
- (1988). *Hiding in the Light: On Images and Things*. London: Routledge.

- Heidegger, M. (1967). *Being and Time*. Oxford: Blackwell.
- Hendriks-Jansen, H. (1996). *Catching Ourselves in The Act, Situated Activity, Interactive Emergence, Evolution, and Human Thought*. Cambridge: MIT Press.
- Heracleous, L., and M. Barrett (2001). "Organizational Change as Discourse: Communicative Actions and Deep Structures in the Context of IT Implementation," *Academy of Management Journal* 44(4): 755–778.
- Hernes, T. (2008). *Understanding Organization as Process: Theory for a Tangled World*. London: Routledge.
- Herrmann, H. (1998). *From Biology to Sociopolitics: Conceptual Continuity in Complex Systems*, New Haven, CT: Yale University Press.
- Heusden, B. P. Van, and R. J. Jorna (1999). "Toward Organizational Semiotics," in *The Semiotic Review Of Books* 10(1).
- (2000). *Toward a Semiotic Theory Of Cognitive Dynamics in Organizations*. Boston: Kluwer.
- Hill, R., and M. Levenhagen (1995). "Metaphors and Mental Models, Sensemaking and Sensegiving in Innovative and Entrepreneurial Activities," *Journal Of Management* 21(6): 1057–1074.
- Hillier, B. (1996). *Space is the Machine*. Cambridge: Cambridge University Press.
- Hoffman, Donald D. (1996). *Visual Intelligence How We Create What We See*. New York: W. W. Norton & Company.
- Hofstadler, D. (1995). *Fluid Concepts and Creative Analogies*. New York: Basic Books.
- Holyoak, K. (1984). "Mental Models in Problem Solving," in *Tutorials in Learning and Memory*, ed. J. Anderson, and S. Kosslyn. New York: W. H. Freeman.
- Holyoak, K. J., and P. Thagard (1997). "The Analogical Mind," *American Psychologist* 52: 35–44.
- (1995). *Mental Leaps: Analogy in Creative Thought*. Cambridge: MIT Press.
- Hovelynck, J. (1998). "Facilitating Experiential Learning as a Process of Metaphor Development," *Journal of Experiential Education* 21(1): 6–13.
- (1999). "Facilitating the Development of Generative Metaphors: Re-emphasizing Participants' Guiding Images," *Australian Journal of Outdoor Education* 4(1): 12–24.
- Husserl, E. (1913, 1962, 1970). *Logical Investigations*, trans. J. Findlay. New York, Humanities Press.
- (1929). Phenomenology. *Encyclopedia Britannica*, 14th ed.
- Hutchins, E. (1995). "How A Cockpit Remembers Its Speed," *Cognitive Science* 19(3): 265–288.
- (1996). *Cognition in The Wild*. Cambridge: MIT Press.
- (1991). "The Social Organization of Distributed Cognition," in *Perspectives on Socially Shared Cognition*, ed. L. Resnick, J. M. Levine, and S. D. Teasley, pp. 283–307. Washington, DC: American Psychological Association.

- IBM (2010). *Capitalizing on Complexity: Insights from the Global Chief Executive Study*.
- Jacques, D. (1976). "Linguistics and Grammatology," in *Of Grammatology*, trans. Gayatri Chakravorty Spivak, pp. 27–73. Baltimore: Johns Hopkins University Press.
- James, W. (1909). *The Meaning of Truth*. Cambridge, MA, and London: Harvard University Press.
- (1950 [1890]). *The Principles of Psychology*. Dover, New York.
- Jaworski, J. (1996). *Synchronicity, The Inner Path Of Leadership*. San Francisco, Berrett-Koehler.
- Johnson, S. (2002). *Emergence: The Connected Lives of Ants, Brains, Cities, and Software*. New York: Touchstone.
- Johnson-Laird, P. M. (1983). *Mental Models, Towards A Cognitive Science Of Language, Inference, and Consciousness*. Cambridge, MA: Harvard University Press.
- Jones, M. (1996). "Studying Organizational Symbolism: What, How, Why," *Qualitative Research Methods Series*, vol. 39, Newbury Park: Sage.
- (1995). "Organizational Learning, Collective Mind Or Cognitivist Metaphor?" *Accounting, Management and Information Technologies* 5(1): 61–77.
- Jones, C., M. Parker, and R. ten Bos (2005). *For Business Ethics*. London: Routledge.
- Jones, M., M. Moore, and R. Snyder (eds.) (1988). *Inside Organizations, Understanding The Human Dimension*. Newbury Park: Sage.
- Jonsson, E. (2002). *Inner Navigation: Why We Get Lost In The World And How We Find Our Way*. New York: Scribner.
- Jonsson, S., and R. Lundin (1977). "Myths and Wishful Thinking As Management Tools," in *Prescriptive Models Of Organizations*, ed. P. Nystrom and W. Starbuck. Amsterdam: North Holland.
- Josephson, J., and S. Josephson (1996). *Abductive Inference, Computation, Philosophy, Technology*. Cambridge: Cambridge University Press.
- Juarrero, A. (1999). *Dynamics in Action: Intentional Behavior as a Complex System*. Cambridge, MA: MIT Press.
- Kagan, J. (2002). *Surprise, Uncertainty, and Mental Structures*. Cambridge, MA: Harvard University Press.
- Kalimo, R., K. Pahkin, and P. Mutanen (2002). "Work and Personal Resources as Longterm Predictors of Well-being," *Stress and Health* 18(5): 227–234.
- Kapitan, T. (1998). "The Autonomy Of Indexical Reference," Paper Delivered At Twentieth World Congress Of Philosophy, Boston.
- Kauffman, S. A. (1996). *Investigations*. Santa Fe Institute, Working Paper #96-08-072.
- (2000). "Investigations," New York: Oxford University Press.
- Kelly, K. (1996). *The Logic of Reliable Inquiry*. Oxford: Oxford University Press.
- Kittay, E. (1987). *Metaphor: Its Cognitive Force and Linguistic Structure*. Oxford: Clarendon Press.

- Klages, M. (1997). "Levi-Strauss, 'The Structural Study Of Myth,'" <http://www.colorado.edu/english/engl2012klages/levi-strauss.html>.
- Kleisner, K. (2007). *The Formation of the Theory of Homology in Biological Sciences*, *Acta Biotheoretica* (55)4: 317–340.
- (2008). "Homosemiosis, Mimicry, and Superficial Similarity: Notes on the Conceptualization of Independent Emergence of Similarity in Biology," *Theory in Biosciences* 127: 15–21.
- Kofman, M. (1996). *Edgar Morin: From Big Brother to Fraternity*. Chicago: Pluto Press.
- Krefting, L., and P. Frost (1985). "Untangling Webs, Surfing Waves, and Wildcatting, A Multiple-Metaphor Perspective On Managing Organizational Culture," in *Organizational Culture*, ed. P. Frost, M. Reis Lunderberg, C. C. Martin, J. Moore, and F. Larry. Beverly Hills: Sage.
- Krippendorf, K. (1989). "On The Essential Contexts Of Artifacts Or On The Proposition That Design Is Making Sense (Of Things)," *Design Issues* 5(2): 9–39.
- Kuhn, T. (1962) *The Structure of Scientific Revolutions*, Chicago: University of Chicago Press.
- (1977). *The Essential Tension, Selected Studies in Scientific Tradition and Change*. Chicago: University of Chicago Press.
- Kunda, G. (1992). *Engineering Culture. Control and Commitment in A High-Tech Corporation*. Philadelphia: Temple University Press.
- Labovitz, G., and V. Rosansky (1997). *The Power Of Alignment, How Great Companies Stay Centered and Accomplish Extraordinary Things*. New York, John Wiley.
- Lacan, J. (1977). *Écrits*, trans. Alan Sheridan. London: Routledge.
- (1968). *The Language of the Self*. New York: Delta Book.
- (1977). "The Agency of the Letter in the Unconscious or Reason since Freud," in *Écrits: A Selection*, trans. A. Sheridan, pp. 146–178. New York: Norton. (Originally published in *Écrits*. Paris: Éditions du Seuil: 1966.)
- Lafont C. (1999). *The Linguistic Turn in Hermeneutic Philosophy*. Cambridge, MA: MIT Press.
- Lagadec, P. (2009). "The Megacrisis Unknown Territory—In Search of Conceptual and Strategic Breakthroughs," Rosenthal as retrieved from the Internet on August 29, 2011, from <http://www.patricklagadec.net/fr/pdf/Magazine%20Special%20Mega-crisis%20in%20the%2021st%20century.pdf>. Special issue: "Mega-crisis in the 21st Century," October 2009, Magazine for National Safety & Security and Crisis Management, Special issue Ministry of the Interior, pp. 40–41. The Hague, The Netherlands.
- Lakoff, G., and M. Johnson (1980 [1995]). *Metaphors We Live By*. Chicago: University of Chicago Press.
- Lakoff, G., and M. Turner (1989). *More than Cool Reason: A Field Guide to Poetic Metaphor*. Chicago: University of Chicago Press.
- Lankester, E. R. (1870). "On the Use of the Term Homology in Modern Zoology, and the Distinction between Homogenetic and Homoplastic Agreements," *Ann. Mag. Nat. Hist* 4: 35–43.

- Latour, B. (1986). "Visualization and Cognition, Thinking With Eyes and Hands," *Knowledge and Society, Studies in The Sociology Of Culture Past and Present*, no. 6: 1–40.
- (1987). *Science in Action*. Cambridge, MA: Harvard University Press.
- (2010). "What's so Special about Organizations after all?" Keynote Speech at International Federation of Scholarly Associations of Management, IFSAM, Paris, July 8, at the National Arts and Crafts Conservatory.
- Latour, B., and S. Woolgar (1979). *Laboratory Life, The Social Construction Of Scientific Facts*. Beverly Hills: Sage.
- Lehrer, K. (1990). *Theory of Knowledge*, Boulder, CO: Westview.
- (ed.) (1974). *Knowledge*. Oxford: Clarendon Press.
- Letiche, H. (2002). "Meaning, Organizing & Empowerment," in *Empowering Humanity*, ed. A. Halsema and D. v. Houten. Utrecht: de Tijdstroom.
- Letiche, H. (2008). *Making Healthcare Care: Managing via Simple Guiding Principles* (ISCE Book Series—Managing the Complex), IAP.
- Levinas, E. (1986). "Phenomenology and the Non-Theoretical," trans. J. N. Kraay and A. J. Scholten, in *Facts and Values*, ed. M. C. Doerer and J. N. Kraay, pp. 109–119. Dordrecht: Martinus Nijhoff.
- (1986). "The Trace of the Other," trans. A. Lingis, in *Deconstruction in Context*, ed. M. Taylor. Chicago: University of Chicago Press.
- (1981). *Otherwise than Being or Beyond Essence*, trans. A. Lingis. The Hague: Martinus Nijhoff.
- (1993). *Outside the Subject*, trans. M. B. Smith. Stanford: Stanford University Press.
- Levi-Strauss, C. (1958) *Structural Anthropology*. Allen Lane, London: The Penguin.
- (1966). *The Raw and the Cooked: Introduction to a Science of Mythology: I*, trans. J. Weightman and D. Weightman. New York: Penguin.
- (1969). "'Nature and Culture' and 'The Problem of Incest,'" in *The Elementary Structures of Kinship*, trans. J. H. Bell and J. Richard von Sturmer, rev. ed. Boston: Beacon Press, pp. 3–25. Originally published as *Les Structures élémentaires de la parenté*, 1949, rev. ed., 1967.
- (1963). "Structural Analysis in Linguistics and in Anthropology," in *Structural Anthropology*, pp. 31–54. New York: Basic Books.
- Levick, David, and Kuhn Lesley (2007). "Fractality, Organizational Management, and Creative Change," *World Futures* 63 (3 & 4): 265–274.
- Lewes, G. H. (1875). *Problems of Life and Mind, vol. 2*. London: Kegan Paul, Trench, Turbner, and Co.
- Lewis, B. (2002). *What Went Wrong?* New York: Oxford University Press.
- Linstead, S., and R. Grafton-Small (1992). "On Reading Organizational Culture," *Organization Studies* 13(3): 331–355.
- Lissack, M. R. (1996). "Chaos and Complexity, What Does that Have to Do with Knowledge Management?" in *Knowledge Management: Organization, Competence and Methodology*, ed. J. F. Schreinemakers, 1: 62–81. Wurzburg, Germany, Ergon Verlag.

- (1997a). "Of Chaos and Complexity: Managerial Insights From A New Science," *Management Decision* 35(3).
- (1997b). "Mind Your Metaphors: Lessons From Complexity Science," *Long Range Planning* 30(2): 294–298.
- (1999). *Defining Tripod* (DBA dissertation Brunel University and Henley Management College).
- (2009). "Complexity is more than a Label: A look at Affordances and Homologies," Keynote Speech at The 2nd International Multi-Conference on Engineering and Technological Innovation: IMETI 2009, July 10–13, 2009, Orlando, FL.
- Lissack, M., and H. Letiche (2002). "Complexity, Emergence, Resilience, and Coherence: Gaining Perspective on Organizations and their Study," *Emergence* 4(3): 72–94.
- Lissack, M., and K. Richardson (2001). "When Modeling Social Systems, Models—the Modeled: Reacting to Wolfram's A New Kind of Science," *Emergence* 3(4): 95–111.
- (2003). "Models without Morals: Towards the Ethical Use of Business Models," *Emergence* 5(2): 72–102.
- Lissack, M., and J. Roos (2001). "Be Coherent, not Visionary," *Long Range Planning* 34(1): 52–70.
- (1999). *The Next Common Sense: Mastering Corporate Complexity through Coherence*. London: Nicholas Brealey Publishing.
- Loewenstein, J., L. Thompson, and D. Gentner (1999). "Analogical Encoding Facilitates Knowledge Transfer in Negotiation," *Psychonomic Bulletin and Review* 6(4): 586–597.
- Louis, M. (1980). "Surprise and Sensemaking: What Newcomers Experience in Entering Unfamiliar Organizational Settings," *Administrative Science Quarterly* 25: 226–251.
- Luhmann, N. (1984). "Soziale Systeme: Grundliss Einer Allgemeinen Theorie," Suhrkamp. Frankfurt.
- (1985). *The Sociology Of Law*. Routledge, London.
- Liotard, J. F. (1984). *The Postmodern Condition: A Report on Knowledge*. Manchester: Manchester University Press.
- MacCormac, Earl R. (1985). *A Cognitive Theory of Metaphor*. Cambridge, MA: MIT Press.
- MacLachlan, G., and I. Reid (1994). *Framing and Interpretation*. Melbourne: Melbourne University Press.
- Maeda, J. (2006). *The Laus of Simplicity (Simplicity: Design, Technology, Business, Life)*. Cambridge, MA: The MIT Press Cambridge.
- Manning, P. K. (1979). "Metaphors of the Field: Varieties of Organizational Discourse," *Administrative Science Quarterly* 24(4): 660–671.
- March, J. (1984). "How We Talk and Act, Administrative Theory and Administrative Life," in *Leadership and Organizational Culture*, ed. T. Sergiovanni and J. Corbolly, pp. 18–35. Urbana: University Of Illinois Press.

- March, J., and J. Olsen (1976). *Ambiguity and Choice in Organizations*. Bergen, Norway, Universitetsforlaget.
- March, J., L. Sproull, and M. Tamuz (1991). "Learning From Samples Of One Or Fewer," *Organization Science* 2(1): 1–13.
- Margolis, H. (1993). *Paradigms and Barriers: How Habits of Mind Govern Scientific Beliefs*, Chicago, IL: University of Chicago Press.
- Marshak, R. (1993). "Managing The Metaphors Of Change," *Organizational Dynamics* (June).
- (2002). "Changing The Language Of Change: How New Contexts And Concepts Are Challenging The Ways We Think And Talk About Organizational Change," *Strategic Change* 11(5): 279–286.
- McCourt, W. (1997). "Discussion Note: Using Metaphors to Understand and to Change Organizations: A Critique of Gareth Morgan's Approach," *Organization Studies* 18(3): 511–522.
- McGreene, J., and Wayne Ho (2000). "Affordances: Clarifying and Evolving a Concept," *Proceedings of Graphics Interface 2000*. Montreal, May 2000.
- McWhinney, W., and J. Batista (1988). "How Remythologizing Can Revitalize Organizations," *Organizational Dynamics* 17(2): 46–58.
- Menzies, T. (1996). Applications of abduction: Knowledge-level modeling *International Journal of Human–Computer Studies* 45: 305.
- Merleau-Ponty, M. (1963). *The Structure of Behaviour*, trans. Alden L. Fischer. Boston: Beacon Press.
- (1964). *Sense and Non-Sense*, trans. Herbert L Dreyfus and Patricia Allen Dreyfus. Evanston: Northwestern University Press.
- (1973). *Adventures of the Dialectic*, trans. Joseph Bien. Evanston: Northwestern University Press.
- Merton, R. (1973). *The Sociology Of Science, Theoretical and Empirical Investigation*. Chicago: University of Chicago Press.
- Metzinger, T. (1995). "Faster than Thought: Holism, Homogeneity, and Temporal Coding," in *Conscious Experience*, ed., T. Metzinger. Schoningh/Academic Imprint, Thorverton.
- (2003). *Being No One*. Cambridge, MA: MIT Press.
- Micklethwait, J., and A. Wooldridge (1996). *The Witchdoctors: Making Sense of the Management Gurus*. New York: Times Books.
- Midgley, G (2000). *Systemic Intervention: Philosophy, Methodology and Practice*. New York: Kluwer Academic/Plenum.
- Mikulecky, D. "The Modeling Relation: How We Perceive," <http://www.people.vcu.edu/~mikuleck/modrelisss.html> as retrieved from the Internet on August 29, 2011.
- Miller, G. A. (1956). "The Magical Number Seven, Plus or Minus Two: Some Limits on Our Capacity for Processing Information," *Psychological Review*, 63: 81–97.
- (1979). "Images and Models: Similes and Metaphors," in *Metaphor and Thought*, ed. A. Ortony, pp. 202–250. Cambridge: Cambridge University Press.
- Miller, G. A., E. Galanter, and K. H. Pribram (1960). *Plans and the Structure of Behavior*. New York: Holt, Rinehart & Winston.

- Miller, L., and S. Read (1991). "On the Coherence of Mental Models of Persons and Relationships," in *Cognition in Close Relationships*, ed. F. Fincham and G. Fletcher, pp. 69–99. Hillsdale, NJ: Erlbaum.
- Mischel, W., and Y. Shoda (1995). "A Cognitive-affective System Theory of Personality: Reconceptualizing Situations, Dispositions, Dynamics, and Invariance in Personality Structure," *Psychological Review* 102: 246–268.
- Morgan, C. L. (1923). *Emergent Evolution*. London: Williams and Norgate.
- Morgan, G. (1986). *Images Of The Organization*. Newbury Park: Sage.
- (1983). "More On Metaphor, Why We Cannot Control Tropes in Administrative Science," *Administrative Science Quarterly* 28: 601–607.
- (1993). *Imaginization*. New York: Sage.
- Mori, M. (1970). *Bukimi no tani [The uncanny valley]* (trans. K. F. MacDorman and T. Minato) *Energy* 7(4): 33–35. (Originally in Japanese.)
- (1982). *The Buddha in the Robot*. Tokyo: Charles E. Tuttle.
- Morin, E. (2001). *Seven Complex Lessons in Education for the Future*. Paris: UNESCO.
- (1977). *La Méthode*. Paris: Seuil.
- (1981). *La Méthode*, tome 1. Paris: Points Essais.
- (1990). *Science avec conscience*. Paris: Fayard.
- (1984). *Sociologie*. Paris: Fayard.
- (1992). *Method: Towards a Study of Humankind: The Nature of Nature*. *American University Studies*, Series V, Philosophy, Vol 111. New York: Peter Lang Publishing.
- Morin, E., A. B. Kern, S. M. Kelly (trans.) (1998). *Homeland Earth: A Manifesto for the New Millennium (Advances in Systems Theory, Complexity and the Human Sciences)*. Cresskill, NJ: Hampton Press.
- Muller, G. B. (2003). "Homology: The Evolution of Morphological Organization," in *Origination of Organismal Form: Beyond the Gene in Developmental and Evolutionary Biology*, ed. G. B. Muller and S. A. Newman, pp. 52–69. Cambridge, MA: MIT Press.
- Munro, R. (1998). *Ideas of Difference* London: Blackwell.
- Nagel, E. (1961). *The Structure of Science: Problems in the Logic of Scientific Explanation*. New York: Harcourt, Brace and World.
- Nancy, J.-L. (2000). *Being Singular Plural*. Stanford: Stanford University Press.
- Norman, D. (1988). *The Design Of Everyday Things*. New York: Currency Doubleday.
- (2007). "Simplicity is Highly Overrated," *Interactions* 14, no. 2 (March–April) CACM.
- Odling-Smee, F. J., K. Laland, and M.W. Feldman (2003). *Niche Construction: The Neglected Process In Evolution*. Princeton, NJ: Princeton University Press.
- Orr, J. (1990). "Sharing Knowledge, Celebrating Identity, Community Memory in A Service Culture," in *Collective Remembering*, ed. D. Middleton and D. Edwards, pp. 169–189. London: Sage.
- Orton, J., and K. Weick (1990). "Loosely Coupled Systems, A Reconceptualization," *Academy Of Management Review* 15(2).
- Ortony, A. (ed.) (1979 [1993]). *Metaphor and Thought*. New York: Cambridge.

- Orwell, G. (1949). 1984. New York: Harcourt, Brace and Company.
- Owen, R. (1843). *Lectures on the Comparative Anatomy and Physiology of the Invertebrate Animals, Delivered at the Royal College of Surgeons in 1843*. London: Longman, Brown, Green, and Longmans.
- (1848). *On the Archetype and Homologies of the Vertebrate Skeleton*. London: J. Van Voorst.
- Palmer, I., and R. Dunford (1996). "Conflicting Uses of Metaphors, Reconceptualizing Their Use in the Field of Organizational Change," *Academy Of Management Review* 21(3): 691–717.
- Patrtelli-Palmarini, M. (1994). *Inevitable Illusions How Mistakes of Reason Rule Our Minds*. New York: John Wiley.
- Peabody, Bo (2004). *Lucky or Smart? Secrets to an Entrepreneurial Life*. New York: Random House.
- (2005). "Lucky or Smart?" *Inc Magazine*, January Issue.
- Peirce, C. (1931, [1958, 1979]). *Collected Papers Of Charles Sanders Peirce*, ed. Charles Hartshorne, Paul Weiss, and Arthur Burks, 8 vols. Cambridge, MA: Harvard University Press.
- (1955). "Logic As Semiotic, The Theory Of Signs," in *Philosophical Writings Of Peirce*, ed. J. Buchler, pp. 84–103. New York: Dover.
- (1955). *Philosophical Writings*. New York: Dover.
- (1931–1958). *Collected Writings* (8 Vols.), ed. Charles Hartshorne, Paul Weiss, and Arthur W. Burks. Cambridge, MA: Harvard University Press.
- Pentland, B. T. (1999). "Building Process Theory with Narrative: From Description to Explanation," *Acad. Management Rev.* 24: 711–724.
- Pentland, B. T., and M. S. Feldman (2007). "Narrative Networks: Patterns of Technology and Organization," *Organ. Sci.* 18(5): 781–795.
- Perry, J. (1993). *The Problem of the Essential Indexical and Other Essays*. New York: Oxford University Press.
- (1979). "The Problem Of The Essential Indexical," *Nous*, 13: 3–22.
- Peschl, M. F. (1999). "The Development of Scientific Concepts and their Embodiment in the Representational Activities of Cognitive Systems: Neural Representation Spaces, Theory Spaces and Paradigmatic Shifts," in *The Nature of Concepts: Evolution, Structure and Representation*, ed. P. Van Looke. London: Routledge.
- Peters, T., and R. Waterman (1982). *In Search of Excellence*. New York: Harper and Row.
- Pfeffer, J. (1997). *New Directions for Organization Theory: Problems and Prospects*. Oxford: Oxford University Press.
- (1980). "Management as Symbolic Action, the Creation and Maintenance of Organizational Paradigms," in *Research in Organizational Behavior*, ed. L. Cummings and B. Staw, vol. 2, Greenwich, CT: JAI Press.
- (1981). "Management as Symbolic Action: The Creation and Maintenance of Organizational Paradigms," in *Research in Organizational Behavior*, ed. B. M. Staw and L. L. Cummings, vol. 3, pp. 1–52. Greenwich, CT: JAI Press.

- (1993). "Barriers to the Advance of Organizational Science: Paradigm Development as a Dependent Variable," *Academy Of Management Review* 18(4): 599–620.
- (1998). *The Human Equation*. Boston, MA: Harvard Business School Press.
- Pfeffer, J., and C. Fong (2002). "The End Of Business Schools? Less Success Than Meets The Eye," *Academy of Management Learning and Education* 1(1): 78–95.
- Philipse, Herman (1998). *Heidegger's Philosophy of Being: A Critical Interpretation*. Princeton, NJ: Princeton University Press.
- Phillips, N. (1995). "Telling Organizational Tales, on the Role of Narrative Fiction in the Study of Organizations," *Organization Studies* 16(4): 625–649.
- Piaget, J. (1977). *The Development of Thought: Equilibration of Cognitive Structures*, trans. Arnold Rosin. New York: Viking.
- (1971). *Biology and Knowledge*. Chicago: University of Chicago Press.
- Piccardo, C., G. Varchetta, and G. Zanarini (1990). "Car Makers and Marathon Runners, in Pursuit of Culture Through the Language of Leadership," in *Symbols and Artifacts*, ed. P. Gagliardi. Berlin: Walter De Gruyter.
- Pidd, M. (1996). *Tools for Thinking: Modelling in Management Science*. Wiley: Chichester.
- Pinder, C., and V. Bourgeois (1982). "Controlling Tropes in Administrative Science," *Administrative Science Quarterly* 27: 641–652.
- Pinker, S. (1994). *The Language Instinct: How the Mind Creates Language*. New York: William Morrow.
- Polanyi, M. (1983). *The Tacit Dimension*. New York, NY: Doubleday.
- (1958). *Personal Knowledge*. Chicago: The University of Chicago Press.
- Polkinghorne, D. E. (1988). *Narrative Knowing and the Human Sciences*. Albany, NY: State University of New York Press.
- Pondy, L. R. (1983). "The Role of Metaphors and Myths in Organization and in the Facilitation of Change," in *Organizational Symbolism*, ed. L. R. Pondy, P. J. Frost, G. Morgan, and T. C. Dandridge, pp.157–66. Greenwich, CT: JAI Press.
- Porac, J., and H. Thomas (1989). "Taxonomic Mental Models in Competitor Definition," *Academy Of Management Review* 15: 224–240.
- Porter, M. (1980). *Competitive Strategy, Techniques For Analyzing Industries and Competitors*. New York: Free Press.
- (1985). *Competitive Advantage, Creating and Sustaining Superior Performance*. New York: Free Press.
- Prahalad, C. K., and G. Hamel (1990). "The Core Competence of the Corporation," *Harvard Business Review*, May/June.
- Price, B. (1997). "The Myth of Postmodern Science," in *Chaos, Complexity, and Sociology: Myths, Models and Theories*, ed. R. A. Eve, S. Horsfall, and M. E. Lee, pp. 3–14. Thousand Oaks, CA: Sage.
- Prigogine, I. (1997). *The End of Certainty, Time, Chaos and the New Laws of Nature*. New York: Free Press.

- Prigogine, I., and I. Stengers (1984). *Order Out of Chaos: Man's New Dialogue with Nature*. New York: Bantam.
- Prinz, Jesse (2002). *Furnishing the Mind: Concepts and their Perceptual Basis*. Cambridge, MA: MIT Press.
- Putnam, H. (1975). *Mind, Language, and Reality*. Cambridge: Cambridge University Press.
- Quine, W. (1961 [1978]). *The Web Of Belief*. New York: McGraw-Hill.
- Read, S., and A. Marcus-Newhall (1993). "The Role of Explanatory Coherence in the Construction of Social Explanations," *Journal of Personality and Social Psychology* 65: 429–447.
- Reed, E. (1991). "James Gibson's Ecological Approach to Cognition," in *Against Cognitivism: Alternative Foundations For A Cognitive Psychology*, ed. A. Still and A. Costall. London: Harvester Wheatsheaf.
- (1996). *Encountering the World: Toward an Ecological Psychology*. New York and Oxford: Oxford University Press.
- (1998). *Revolution in Perception: The Ecological Psychology of James J. Gibson*. New Haven, CT: Yale University Press.
- Reger, R., and T. Palmer (1996). "Managerial Categorization of Competitors, Using Old Maps To Navigate in New Environments," *Organization Science* 7(1).
- Reynolds, D., J. M. Carlson, and J. Doyle (2002). "Design Degrees of Freedom and Mechanisms for Complexity," *Phys. Rev.*, E 66, article 016108.
- Rheinberger, Hans-Jörg (1995). "From Microsomes to Ribosomes. 'Strategies' of 'Representation'," *Journal of the History of Biology* 28: 49–89.
- Richards, I. (1965). *The Philosophy Of Rhetoric*. New York, Oxford University Press.
- Richardson, K., and M. Lissack (2001). "On the Status of Boundaries, Both Natural and Organizational: A Complex Systems Perspective," *Emergence* 3(4): 32–49.
- Ricoeur, P. (1992). *Oneself As Another*. Chicago: The University Of Chicago Press.
- (1975 [1986]). *The Rule of Metaphor*, trans. R. Czerny. London: Routledge.
- (1984). *Time and Narrative*, vol. 1, trans. K. McLaughlin and D. Pellauer. Chicago: University of Chicago Press.
- (1988). *Time and Narrative*, vol. 3. Chicago: University of Chicago Press.
- Rocha, Luis M. (1995). "Artificial Semantically Closed Objects," *Communication And Cognition—Artificial Intelligence* 12(1–2): 63–90.
- Rogers, M. (1992). "Teaching, Theorizing, Storytelling Postmodern Rhetoric and Modern Dreams," *Sociological Theory* 10: 231–240.
- Rogoff, B. (1990). *Apprenticeship in Thinking: Cognitive Development in Social Context*. New York: Oxford University Press.
- Rorty, R. (1967). *The Linguistic Turn*. Chicago: University of Chicago Press.
- (1991). *Objectivity, Relativism, and Truth*. Cambridge: Cambridge University Press.

- Rosen, M. (1991). "Coming To Terms With The Field, Understanding and Doing Organizational Ethnography," *Journal Of Management Studies* 28: 124.
- (1985). *Anticipatory Systems*. London: Pergamon.
- (1991). *Life Itself*. New York: Columbia University Press.
- Rossi-Landi, F. (1968). *Il linguaggio come lavoro e come mercato*. Milan: Bompiani (English translation, 1983: *Language as Work and Trade*. South Hadley [MA]: Bergin and Garvey).
- Rota, G. (1997). *Indiscrete Thoughts*. Boston: Birkhauser.
- Roy, J.-M. (1998). *Cognitive Turn and Linguistic Turn Given at the Twentieth World Congress Of Philosophy*. Boston, MA.
- Ryle, G. (1949). *The Concept of Mind*. London: Methuen.
- Sackman, S. (1992). "Culture and Subcultures, an Analysis of Organizational Knowledge," *Administrative Science Quarterly* 37: 140–161.
- (1989). "The Role Of Metaphors in Organization Transformation," *Human Relations* 42(6): 463–485.
- Sandelands, L. E., and R. Drazin (1989). "On the Language of Organization Theory," *Organization Studies* 10(4): 457–478.
- Sandelands, L. E., and V. Srivatsan (1993). "The Problem of Experience in the Study of Organizations," *Organization Studies* 14(1): 1–25.
- Sarbin, T. (1986). *Narrative Psychology*. New York: Praeger.
- Sartre, J. P. (1946). *Existentialism is a Humanism*, in Kaufmann (1956), (trans. Mairet) of Sartre's lecture L'Existentialisme est un Humanisme, pp. 287–311.
- Saussure, F. de. (1931). *Cours de linguistique generale*. Payot: Paris.
- (1966). Pt. 1, "General Principles," and pt. 2, "Synchronic Linguistics," in *Course in General Linguistics*, ed. Charles Bally, trans. Wade Baskin. New York: McGraw-Hill, pp. 65–139.
- ([1916] 1974). *Course in General Linguistics*, trans. Wade Baskin. London: Fontana/Collins.
- Schank, R. (1995). *Tell Me a Story: Narrative and Intelligence*. Morson, Evanston, IL: Northwestern University Press.
- Schank, R., and R. Abelson (1977). *Scripts, Plans, Goals and Understanding, An Inquiry Into Human Knowledge Structures*. Hillsdale, NJ: Lawrence Erlbaum.
- Schapp, W. (1976). *In Stories Involve—to Its from Humans and Thing*. Wiesbaden: Heymann.
- Schon, D. (1983). *The Reflective Practitioner: How Professionals Think and Act*. New York, Basic Books.
- (1987). *Educating the reflective practitioner*. San Francisco: Jossey-Bass.
- (ed.) (1991). *The Reflective Turn: Case Studies in and on Educational Practice*. New York: Columbia University Press.
- Schrödinger, E. (1944). *What Is Life: The Physical Aspect of the Living Cell*. Cambridge: Cambridge University Press.
- Schutz, Alfred (1953). "Commonsense and Scientific Interpretation of Human Action," *Philosophy and Phenomenological Research* 14 (September): 1–37.
- (1962). *Collected Papers, Vol. I: The Problem of Social Reality*. The Hague, Martinus Nijhoff, pp. 3–47.

- Schultz, M. (1991) "Transitions Between Symbolic Domains in Organizations," *Organization Studies* 12(4): 489–506.
- Schultz, M., M. J. Hatch, and M. H. Larsen (eds.) (2000). *The Expressive Organization*. New York: Oxford University Press.
- Schwartz, H. (1997). *The Culture Of The Copy, Striking Likenesses, Unreasonable Facsimiles*. New York: Zone Books.
- (1985). "The Usefulness Of Myth and The Myth Of Usefulness," *Journal Of Management* 11: 31–42.
- Schwartz, P., and J. Ogilvy (1979). *The Emergent Paradigm: Changing Patterns Of Thought And Belief*. Menlo Park, CA: Values and Lifestyle Program.
- Searle, J. (1969). *Speech Acts: An Essay in The Philosophy Of Language*. Cambridge: Cambridge University Press.
- (1983). *Intentionality: An Essay in the Philosophy of Mind*. New York: Cambridge University Press.
- (1995). *The Construction of Social Reality*. New York: Free Press.
- Sebeok, T. A. (ed.) (1977). *A Perfusion of Signs*. Bloomington, IN: Indiana University Press.
- Senge, P. (1990). *The Fifth Discipline: The Art and Practice of the Learning Organization*. New York: Doubleday Currency.
- Serres, M. (1976). *Zola, Feux Et Signaux De Brume*. Paris: Grasset.
- (1982). *Hermes: Literature, Science, Philosophy*. Baltimore: Johns Hopkins University Press.
- Shaw, P. (2002). *Changing the Conversation in Organizations: Change from a Complexity Perspective*. London: Routledge.
- Shultz, T. R., and M. R. Lepper (1996). "Cognitive Dissonance Reduction as Constraint Satisfaction," *Psychological Review* 103: 219–240.
- (2000). "Simulation of Self-affirmation Phenomena in Cognitive Dissonance," *Proceedings of the Twenty-second Annual Conference of the Cognitive Science Society*, pp. 464–468. Mahwah, NJ: Erlbaum.
- Sievers, B. (1994). *Work, Death and Life Itself: Essays on Management and Organization*. Berlin: De Gruyter.
- Silverman, D. (1970). *Organizational Work: The Language Of Grading, The Grading Of Language*. New York: Collier Macmillan.
- Silverman, D., and T. Brian (1980). *The Material Word: Some Theories of Language and its Limits*. London: Routledge & Kegan Paul.
- Simon, H. (1969, 1981). *The Sciences Of The Artificial*. Cambridge: MIT Press.
- Sims, C. A. (2002). "The Role of Models and Probabilities in the Monetary Policy Process," *Brookings Papers on Economic Activity, Economic Studies Program*, The Brookings Institution, vol. 33 (2002–2002), pp. 1–62.
- Smith, B. C. (1996). *On the Origin of Objects*, Cambridge, MA: MIT Press.
- Smith, K., and V. Simmons (1983). "A Rumpelstiltskin Organization: Metaphors On Metaphors in Field Research," *Administrative Science Quarterly* 28(3): 377–392.
- Snowden, D. J. (2000). "New Wine in Old Wineskins: From Organic to Complex Knowledge Management Through the Use of Story," *Emergence* 2(4): 50–64.

- (2000a). "Organic Knowledge Management Part I: The ASHEN model: An Enabler of Action," *Knowledge Management* 3(7 April): 14–17.
- (2000b). "The Art and Science of Story or 'Are you Sitting Uncomfortably?'" Part 1: Gathering and Harvesting the Raw Material," *Business Information Review* 17(3): 147–156.
- (2000c). "The Art and Science of Story or 'Are You Sitting Uncomfortably?'" Part 2: The Weft and the Warp of Purposeful Story," *Business Information Review* 17(4): 215–226.
- (2000d). "Story Telling and other Organic Tools for Chief Learning Officers and Chief Knowledge Officers," in *In Action: Leading Knowledge Management and Learning*, ed. D. Bonner. London: ASTD.
- Souter, D. (2010). Speech at Harvard University.
- Spender, J. C. (1998). Discussion at the Emergence Conference held by the Institute for the Study of Coherence and Emergence. Boston, MA.
- Spivak, G. C. (1993). *Outside In the Teaching Machine*. London: Routledge.
- Srivasta, S., and F. Barrett (1988). "The Transforming Nature of Metaphors in Group Development: A Study in Group Theory," *Human Relations* 41: 31–64.
- Stacey, R. (2003). *Complexity And Group Processes: A Radically Social Understanding Of Individuals*. London: Taylor & Francis.
- (2001). *Complex Responsive Processes in Organizations: Learning and Knowledge Creation*. London: Routledge.
- (1991). *The Chaos Frontier*. Oxford: Butterworth-Heinemann.
- (1992). *Managing the Unknowable*. San Francisco, CA: Jossey Bass.
- (1995). "The Science Of Complexity: An Alternative Perspective For Strategic Change Processes," *Strategic Management Journal* 16: 477–495.
- (1996). *Complexity and Creativity in Organizations*. San Francisco, CA: Berrett Koehler.
- Stacey, R., G. Douglas, and P. Shaw (2000). *Complexity and Management: Fad or Radical Challenge to Systems Thinking?* London: Routledge.
- Stanford Encyclopedia of Philosophy, The*, at <http://plato.stanford.edu/contents.html>.
- Starbuck, W., and F. Milliken (1988). "Executives Perceptual Filters, What They Notice and How They Make Sense," in *The Executive Effect: Concepts and Methods For Studying Top Managers*, ed. D. Hambrick. Greenwich, CT: JAI Press.
- Stubbart, C. (1989). "Managerial Cognition, A Missing Link in Strategic Management Research," *Journal Of Management Studies* 24(4): 325–347.
- Suchman, L. (1987). *Plans and Situated Actions*. Cambridge: Cambridge University Press.
- (1994). "Do Categories Have Politics? The Language/Action Perspective Reconsidered," *Computer Supported Cooperative Work* 2(3): 177–190.
- (1995). "Making Work Visible," *Communications Of The ACM* 38(9): 56–70.
- Suppe, F. (1989). *The Semantic Conception of Theories and Scientific Realism*, Urbana IL: University of Illinois Press.

- Taylor, C. (1991). *The Ethics of Authenticity*. Cambridge, MA: Harvard University Press.
- (1993). "To Follow A Rule," in *Bourdieu, Critical Perspectives*, ed. C. Calhoun, E. LiPuma, and M. Postone, pp. 45–60. Cambridge: Polity Press.
- Taylor, J. R., and E. J. Van Every (2000). *The Emergent Organization: Communication As Its site and Surface*. Mahwah, NJ: Lawrence Erlbaum Associates.
- Taylor, M. (2001). *The Moment of Complexity Emerging Network Culture*. Chicago: University of Chicago Press.
- Teece, D., R. Rumelt, G. Dosi, and S. Winter (1994). "Understanding Corporate Coherence: Theory and Evidence," *Journal of Economic Behavior and Organization* 23:1.
- ten Bos, R. (2000). *Fashion and Utopia in Management Thinking*, *Advances in Organization Studies*, vol. 6, Amsterdam: John Benjamins.
- Tenkasi, R., and R. Boland (1993). "Locating Meaning Making in Organizational Learning: The Narrative Basis of Cognition," in *Research in Organizational Change and Development*, R. W. Woodman and W. A. Pasmore, vol. 7, pp. 77–103. Greenwich CT: JAI Press.
- Terada, Rei (2001). *Feeling in Theory: Emotion after the "Death of the Subject."* Cambridge, MA: Harvard University Press.
- Thagard, P. (1992). *Conceptual Revolutions*. Princeton University Press.
- (2000). *Coherence in Thought and Action*. MIT Press.
- (1988). *Computational Philosophy of Science*. MIT Press.
- (1992). *Conceptual Revolutions*. Princeton University Press.
- (1999). *How Scientists Explain Disease*. Princeton University Press.
- (1996). *Mind: Introduction to Cognitive Science*. MIT Press.
- (1993). "Societies of Minds: Science as Distributed Computing," *Studies in History and Philosophy of Science* 24: 49–67.
- (1997). "Medical Analogies: Why and How," in *Proceedings of the Nineteenth Annual Conference of the Cognitive Science Society*, ed. P. Langley and M. Shafto, pp. 739–744. Mahway: Erlbaum.
- (1998). "Computation and the Philosophy of Science," in *The Digital Phoenix: How Computers are Changing Philosophy*, ed. T. W. Bynum and J. H. Moor, pp. 48–61. Oxford: Blackwell.
- (1999). "Ethical Coherence," *Philosophical Psychology* 11: 405–422.
- (2000). "Probabilistic Networks and Explanatory Coherence," *Cognitive Science Quarterly* 1: 91–114.
- (2005). *Hot Thought: Mechanisms and Applications of Emotional Cognition*. MIT Press.
- (2010). *The Brain and the Meaning of Life*. Princeton, NJ: Princeton University Press.
- (2001). "How to Make Decisions: Coherence, Emotion, and Practical Inference," in *Varieties of Practical Inference*, ed. E. Millgram. Cambridge, MA: MIT Press.
- (1988). *Computational Philosophy of Science*. Cambridge, MA; London: Bradford Books; MIT Press.

- (1994). "Mind, Society, and the Growth of Knowledge," *Philosophy of Science* 61: 629–645.
- Thagard, P., and K. Holyoak (1985). "Discovering the Wave Theory of Sound: Inductive Inference in the Context of Problem Solving," in *Proceedings of the Ninth International Joint Conference on Artificial Intelligence*, pp. 610–612.
- Thagard, P., and Z. Kunda (1998). "Making Sense of People: Coherence Mechanisms," in *Connectionist Models of Social Reasoning and Social Behavior*, ed. S. J. Read and L. C. Miller, pp. 3–26. Hillsdale, NJ: Erlbaum.
- Thagard, P., and E. Millgram (1995). "Inference to the Best Plan: A Coherence Theory of Decision," in *Goal-driven Learning*, ed. A. Ram and D. B. Leake, pp. 439–454. Cambridge, MA: MIT Press.
- Thagard, P., and J. Nerb (2002). "Emotional Gestalts: Appraisal, Change, and Emotional Coherence," *Personality and Social Psychology Review* 6: 274–282.
- Thagard, P., and C. P. Shelley (1997). "Abductive Reasoning: Logic, Visual Thinking, and Coherence," in *Logic and Scientific Methods*, ed. M. L. Dalla Chiara, K. Doets, and D. Mundici, pp. 413–427. Dordrecht: Kluwer.
- (2001). "Emotional Analogies and Analogical Inference," in *The Analogical Mind: Perspectives from Cognitive Science*, ed. D. Gentner, K. H. Holyoak, and B. K. Kokinov, pp. 335–362. Cambridge, MA: MIT Press.
- Thagard, P., and K. Verbeurgt (1998). "Coherence as Constraint Satisfaction," *Cognitive Science* 22: 1–24.
- Thagard, P., and J. Zhu (2002). "Acupuncture, Incommensurability, and Conceptual Change," in *Intentional Conceptual Change*, ed. G. M. Sinatra and P. R. Pintrich. Mahwah, NJ: Erlbaum.
- Thagard, P., C. Eliasmith, P. Rusnock, and C. P. Shelley (2002). "Knowledge and Coherence," in *Common Sense, Reasoning, and Rationality*, ed. R. Elio, p. 11. New York: Oxford University Press.
- Thatchenkary, T. (1992). "Organizations As 'Texts', Hermeneutics As a Model for Understanding Organizational Change," in *Research in Organizational Change and Development*, ed. W. Pasmore and R. Woodman, vol. 6, pp. 197–234. Greenwich, CT: JAI Press.
- Thatchenkery, T., and P. Upadhyaya (1996). "Organizations as a Play of Multiple and Dynamic Discourses: An Example from a Global Social Change Organization," in *Postmodern Management and Organization Theory*, ed. D. Boje, R. Gephart, and T. Thatchenkery. Newbury Park, CA: Sage.
- Thayer, R. (2010). "Recipes for Ruin, in the Gulf or on Wall Street," *NY Times*, June 14.
- Thibault, Paul J. (1997). *Re-reading Saussure: The Dynamics of Signs in Social Life*. London: Routledge.
- Thom, R. (1989). *Structural Stability and Morphogenesis An Outline Of A General Theory Of Models*, Reading, MA: Addison Wesley.
- Thomas, J., S. Clark, and D. Gioia (1993). "Strategic Sensemaking and Organizational Performance, Linkages Among Scanning, Interpretation, Action, and Outcomes," *Academy Of Management Journal* 36(2): 239–270.
- Thompson, Evan (2007). "Look Again: Phenomenology and Mental Imagery," *Phenomenology and the Cognitive Sciences* 6: 137–170. Special

- issue on phenomenology and heterophenomenology, ed. Alva Noe. Penultimate draft.
- Tsoukas, H. (1991). "The Missing Link: A Transformational View Of Metaphors in Organizational Science," *Academy Of Management Review* 16(3): 566–585.
- (1996). "The Firm as a Distributed Knowledge System: A Constructionist Approach," *Strategic Management Journal* 17(Winter Special Issue): 11–15.
- (2001). "Do we Really Understand 'Process' in Organization Studies?" Presented at 17th EGOS Colloquium. Lyon, France.
- Tsoukas, H., and R. Chia (2002). "On Organizational Becoming: Rethinking Organizational Change," *Organization Science* 13(5): 567–582.
- Tsoukas, H., and M.-J. Hatch (2001). "Complex Thinking, Complex Practice: The Case for a Narrative Approach to Organizational Complexity," *Human Relations* 54(8): 979–1013.
- Turner, B. (1986). "Sociological Aspects On Organizational Symbolism," *Organization Studies* 7(2): 101–116.
- (ed.) (1990). *Organizational Symbolism*. New York: De Gruyter.
- Turvey, M. T. (2007). "Action and Perception at the Level of Synergies." *Human Movement Science* 26: 657–697.
- Van Valen, L. (1982). "Homology and Causes," *Journal of Morphology* 173: 305–312.
- Vaughan, D. (1996). *The Challenger Launch Decision: Risky Technology, Culture, and Deviance at NASA*. Chicago: The University of Chicago Press.
- von der Malsburg, Christoph (1997). "The Coherence Definition of Consciousness," in *Cognition, Computation and Consciousness*, ed. M. Ito, Y. Miyashita, and E. T. Rolls, pp. 193–204. Oxford: Oxford University Press.
- von Foerster, H. (1980). "Epistemology of Communication," in *The Myths of Information: Technology and Postindustrial Culture*, ed. K. Woodward. London: Routledge.
- (1982). *Observing Systems*. Seaside, CA: Intersystems Publications.
- (1993) "Ethics and Second-order Cybernetics," *Psychiatria Danubia* 5(1–2): 40–46.
- Vygotsky, L. (1962, 1986). *Thought and Language*, ed. A. Kozulin. Cambridge: MIT Press.
- (1978). *Mind in Society: the Development of Higher Psychological Processes*, ed. M. Cole, V. John-Steiner, S. Scribner, and E. Souberman, Cambridge, MA: Harvard University Press.
- Wagner, G. P. (1989). "The Biological Homology Concept," *Annual Reviews in Ecology and Systematics* 20: 51–69.
- (1994). "Homology and the Mechanisms of Development," in *Homology: The Hierarchical Basis of Comparative Biology*, ed. B. K. Hall, pp. 273–299. San Diego: Academic Press.
- (2002). "Homology," in *The Oxford Encyclopedia of Evolution*, ed. M. Pagel, pp. 497–501. Oxford and New York: Oxford University Press.
- (1989). "The Origin of Morphological Characters and the Biological Basis of Homology," *Evolution* 43: 1157–1171.

- (1999). "A Research Program for Testing the Biological Homology Concept," in *Homology*, ed. B. K. Hall, Novartis Symposium #222, pp. 497–501. Chichester: J Wiley.
- Wagner G. P., and P. F. Stadler (1999). "Complex Adaptations and the Structure of Recombination Spaces," in *Algebraic Engineering*, ed. C. L. Nehaniv and M. Ito, pp. 96–115. Singapore: World Scientific Press.
- (2002). "Quasi-independence, Homology and the Unity of Type: a Topological Theory of Characters," *Journal of Theoretical Biology* 2003 February 21, 220(4): 505–27 (as originally published by the Santa Fe Institute, March, 2002).
- Waldrop, M. M. (1992). *Complexity: The Emerging Science at the Edge of Order and Chaos*, New York: Simon & Schuster.
- Walpole, H. (1754). *Letter on The Three Princes of Serendip*. Personal Letter.
- Watts, D. (1999). *Small Worlds: The Dynamics of Networks Between Order and Randomness*. Princeton, NJ: Princeton University Press.
- Watzlawick, P. (1976). *How Real Is Real? Confusion, Disinformation, Communication*. New York: Random House.
- Weick, K. (2003). "Speech To Plexus Conference on Complexity Uncertainty and Surprise." Austin Texas, June 2003.
- (1976). "Educational Organizations as Loosely Coupled Systems," *Administrative Science Quarterly* 21: 1–19.
- (1985). "Cosmos Versus Chaos: Sense and Nonsense in Electronic Contexts," *Organizational Dynamics* (Autumn): 50–64.
- (1979). *The Social Psychology Of Organizing*, 2nd edition. Reading, MA: Addison-Wesley.
- (1979). *The Social Psychology Of Organizing*. Reading, MA: Addison-Wesley.
- (1989). "Organization Improvisation, 20 Years Of Organizing," *Communication Studies* 40(4, Winter).
- (1993). "The Collapse of Sensemaking in Organizations: The Mann Gulch Disaster," *Administrative Science Quarterly* 38(4).
- (1995). *Sensemaking in Organizations*. Thousand Oaks: Sage.
- (1995a). "What Theory Is Not, Theorizing Is," *Administrative Science Quarterly* 40(3).
- (1996). "Drop Your Tools, an Allegory for Organizational Studies," *Administrative Science Quarterly* 41(2).
- (2010). "Reflections on Enacted Sensemaking in the Bhopal Disaster," *Journal of Management Studies* 47: 537–550.
- Weick, K., and R. Daft (1983). "The Effectiveness Of Interpretation Systems," in *Organizational Effectiveness, A Comparison Of Multiple Models*, ed. K. Cameron and D. Whetten, pp. 71–93. New York: Academic Press.
- Weick, K., and K. Roberts (1993). "Collective Mind in Organizations, Heedful Interrelating On Flight Decks," *Administrative Science Quarterly* (September).
- Weick, K. E., and K. M. Sutcliffe (2001). *Managing the Unexpected: Assuring High Performance in an Age of Complexity*. San Francisco: Jossey-Bass.
- Weick, K. E., K. M. Sutcliffe, and D. Obstfeld (1999). "Organizing For High Reliability: Processes Of Collective Mindfulness." In *Research In*

- Organizational Behavior*, ed. B. M. Staw and L. L. Cummings, vol. 21, pp. 81–123. Greenwich, CT: JAI Press.
- Weiser, M., and J. Brown (1996). “Designing Calm Technology,” *PowerGrid Journal* 1.01 (July).
- Wenger, E. (1998). *Communities of Practice: Learning, Meaning, and Identity*. Cambridge: Cambridge University Press.
- White, H. (1987). *The Content of the Form: Narrative Discourse and Historical Representation*. Baltimore, MD: Johns Hopkins University Press.
- Wilkins, A. (1983). “Organizational Stories as Symbols which Control the Organization,” in *Organizational Symbolism*, ed. L. Pondy and T. C. Dandridge, pp. 81–92. Greenwich: JAI Press.
- Willmott, H. (1993). “Breaking the Paradigm Mentality,” *Organization Studies* 14(5): 681–720.
- Winograd, T., and F. Flores (1986, [1995]). *Understanding Computers and Cognition, A New Foundation For Design*. Reading: Addison Wesley.
- Young, B. A. (1993). On the Necessity of an Archetypal Concept in Morphology: with Special Reference to the Concepts of “Structure” and “Homology,” *Biol Philos* 8: 225–248.
- Young, Kay, and J. L. Saver (2001). “The Neurology of Narrative,” *SubStance* 94/95: 72–84.
- Zaltman, G. (2003). “How Customers Think: Essential Insights Into The Mind Of The Market.” Boston: Harvard Business School Press.
- Zellmer, A. J., T. F. H. Allen, and K. Kesseboehmer (2007). “The Nature of Ecological Complexity: A Protocol for Building the Narrative,” *Ecological Complexity* 3: 171–182.
- Zerubavel, E. (1991). *Islands of Meaning. In the Fine Line: Making Distinctions in Everyday Life*. Chicago: University of Chicago Press.
- Žižek, S. (2001). *On Belief*. London: Routledge.
- (2005). *Interrogating the Real*, London, New York: Continuum International Publishing Group.
- (2006a). *How to Read Lacan*. London: Granta Books.
- (2006b). *The Parallax View*. Cambridge, MA: MIT Press.
- (2008). *In Defense of Lost Causes*. London: Verso.

“Visit <http://remedy101.com> for further reading, updates from the authors, and links to other social complexity theory websites.”

INDEX

- abduction, 74
abstraction, 75, 95, 99, 113, 194, 234
actant, 12, 155–156
activity, 24, 27–28, 31, 33–34, 36, 38–40, 44, 61, 69, 81, 84, 86–87, 89–90, 92–94, 97, 104, 106, 108, 112, 114–115, 117, 121, 138, 151, 153, 155–156, 161–165, 173, 182–183, 186–189, 191, 193–194, 197–199, 219, 229, 231, 251
adaptability, 143
adjacent (possible), 22, 35, 39, 53, 60, 65, 81, 90, 109, 155, 158–159, 164, 172, 184–185, 196, 235, 245, 249, 251
affordance(s), 3, 7–9, 19–24, 31–35, 39–40, 58–61, 70, 72, 78, 81–82, 117, 124, 127, 155–156, 158–166, 170–172, 174, 178, 182–183, 185–189, 196–199, 206, 216, 219, 222, 231–237, 239, 241, 244, 249, 255–256
Albert, 48
algorithm, 2–3, 5, 18, 48, 213
Alston, 110
ambiguity, 3, 12, 22, 40, 75–76, 90, 96, 98–99, 151, 240, 254
analogy, 51, 55, 76, 173–175, 184
Antonovsky, 63
archetype, 174, 176, 178, 235
ascribe (ascriptions), 6, 8–10, 12–16, 19, 21–24, 27, 29–31, 33–34, 40–41, 43–46, 48, 50, 53, 56, 60–62, 66, 71, 82–84, 94, 101, 106, 108, 111, 114, 118, 142, 146, 157, 170, 172–173, 179–181, 184, 219, 221, 230, 232–236, 244–248, 255–256
attractor, 248
attribute, 10, 183
Austin, 95

Bahktin, 183
Bal, 241–242
Barrett, 218
Bartel, 240
Baudrillard, 79, 204
Bechtel, 149
Beck, 107
behavior, 7, 9, 14, 17, 23, 26–27, 32, 38, 48, 50, 106, 124, 129, 138, 144, 149, 159, 161–162, 182, 191–192, 195, 220, 232, 255
beliefs, 5, 64, 88, 150–151, 216, 242–243, 251
Berger, 240
Bergson, 189
bifurcation, 91, 144, 148, 168, 170
biological, 57, 66–67, 144–146, 150, 164, 173–174, 178, 226, 234, 245–246
Black, 223, 245, 253
Boje, 165, 231
Boland, 240
Bolker, 175–176
BonJour, 110

- boundary, 11, 23, 31, 38–39, 46,
 48–51, 61, 64, 66–68, 70–71,
 74, 110, 113, 121, 125, 133,
 143–145, 147–148, 151,
 167–168, 171, 183, 195, 220,
 230, 236, 242, 247, 249, 254
 Bourdieu, 174, 176, 185
 Broad, 149
 Brown, 88, 155
 Bruner, 140
 bureaucracy, 175, 228

 capability, 13, 191
 Carlsen, 91
 category, 6, 10–12, 15–16, 22, 61,
 67–68, 72, 74, 89–90, 94–95,
 97, 99, 104, 106, 114, 134, 141,
 152, 156, 159, 173, 175, 180,
 183, 186, 220, 229, 231, 235,
 241–244, 246–251, 255–256
 causality, 26, 53–55, 64, 69, 71, 75,
 79, 88, 104, 107, 116, 139, 141,
 143, 163–164, 173, 179, 181,
 183, 211, 240
 chaos, 1, 22, 55, 67, 73, 77, 96,
 104, 143, 152, 195, 197–198,
 206, 218, 220, 228, 234
 Chia, 104, 148
 Cilliers, 137–138, 222
 circumstance, 4, 9–10, 17, 21, 23,
 34, 38–40, 52, 65–67, 75, 78–80,
 84, 89–90, 97, 108, 111–112,
 114, 142–143, 145, 147, 156,
 158, 162–163, 169, 180, 189,
 195, 223, 231–234, 247–248,
 256
 Clark, 119
 classification, 85
 Clough, 67
 codes, 11, 13, 23–25, 27, 30, 35,
 39–40, 192, 256
 cognition, 51, 77, 83, 88, 97, 110,
 164, 166, 237
 cohere, 52, 85, 87, 94, 105, 109,
 167, 171, 182, 232
 coherence, 1–6, 8–10, 12–23,
 27–31, 33–35, 39–41, 43–46,
 48, 50–53, 56, 58–63, 71–72,
 80–92, 94–96, 100–101,
 103–113, 115, 117–119, 121,
 123, 125–127, 129–138,
 142–143, 146–148, 151–152,
 156–159, 170, 172–174, 177,
 179–184, 186–187, 189, 191,
 194–199, 215–220, 222–223,
 225, 227, 229–232, 234–236,
 239–241, 246, 251–256
 coherentism, 58, 60–61, 108,
 110–111
 cohesion, 43, 83, 109, 111, 130,
 142–143, 165, 167, 217, 220,
 252–253
 Collins, 44
 combination, 79, 146, 149, 191,
 227, 241
 communication, 89–91, 96, 98,
 108–109, 112, 126, 150, 164,
 167, 180, 220, 223
 community, 4, 17, 40, 87–88,
 118–121, 123–124, 127, 132,
 134–135, 137, 216–217, 220,
 227, 251, 253
 competition, 26, 113, 135, 151,
 187, 190, 220, 222
 complementaries, 223–224
 complex, 3–4, 12, 17, 19, 21–22,
 28, 31–32, 37–38, 41, 49,
 52–56, 59, 63–64, 66, 69, 71,
 74, 78, 81, 84, 87, 90, 94–97,
 101, 107–108, 110, 115–116,
 137, 139, 142, 144–146,
 150–152, 155–156, 164, 168,
 174, 177, 179, 183, 185–187,
 195, 198, 204–205, 219, 221,
 226–228, 231, 234, 239, 243,
 245–246
 complexity, 12, 18–19, 27–28,
 32–33, 39–41, 44–45, 49–51,
 53–54, 57–58, 63–69, 71, 74,
 76–78, 81–83, 89–90, 95–96,

- 99, 104, 107, 109, 111–112,
 136–145, 147, 149–151, 153,
 155–156, 164–165, 167–168,
 171, 173, 175, 177, 179, 183,
 186, 194–195, 198, 200, 208,
 210, 215, 221–223, 226–227,
 229, 232, 236, 240, 243,
 245–246, 251, 254–255
 complicate, 77
 compression, 7, 19, 24, 41, 67, 81,
 106, 118, 132, 153, 157, 159,
 164, 166, 169, 191, 216, 218,
 226, 228, 240
 concept, 6, 9, 21, 43–44, 61, 65,
 70, 72, 77, 80, 84, 86, 88–90, 93,
 99, 107–108, 118, 124, 130, 132,
 143, 145, 149, 155–157, 159,
 161–162, 175, 177–178, 184,
 187, 213–214, 219, 221, 223,
 234, 236, 242, 246–247
 connectionism, 90, 139, 163
 consciousness, 8–10, 20–21, 32–33,
 36, 45, 59, 63, 65–67, 72–73,
 76, 88, 90, 92–94, 99–100, 104,
 107–108, 110, 112, 116, 145,
 149–150, 152, 155–156, 158–159,
 161, 164–165, 169, 171, 185–186,
 188, 190, 194, 196, 198, 216,
 218, 226, 228, 231
 consequentialism, 192
 constraints, 61, 64, 68, 74, 81,
 83–85, 88, 151–152, 161, 165,
 169, 175, 186–187, 218, 236,
 240
 construct, 10, 48–50, 61, 68, 75, 77,
 95, 150, 215, 221, 223, 241
 constructivism, 86
 context, 3–7, 9, 16–17, 23–24,
 28, 30–31, 33, 38–39, 41, 44,
 46, 49, 51–52, 55, 57, 61, 64,
 70–71, 73–76, 78–79, 81,
 87–88, 93–95, 106, 127, 129,
 145, 155–157, 159, 164,
 170–172, 179, 185, 189, 194,
 196, 201, 206, 213, 224–225,
 229, 231–232, 235,
 239–240, 243–244, 246,
 249, 252, 255
 convergence, 178–179
 coordinate, 110
 Cryer, 44
 cues, 13, 22–25, 31, 39–40, 73–74,
 87, 95–96, 159, 256
 culture, 7, 18, 34, 40, 52, 59,
 67–68, 71, 88, 126–127, 135,
 152, 161, 165, 170, 180,
 185–186, 191, 201, 216, 226
 cybernetics, 140
 Cynefin, 37, 53–56, 58–59
 Czarniawska, 165, 230, 243

 Daft, 104
 darwinian, 174, 177
 dasein, 160, 185, 188–189, 230
 David, 231, 243
 Deal, 6, 18, 27, 32, 35, 38, 40–41,
 46, 51, 60, 65, 67–68, 77, 91,
 111, 117, 122, 129, 134, 138,
 202, 207–208, 210, 241
 Deetz, 165
 definition, 4, 22, 77, 85, 101, 109,
 114, 126, 140, 148, 152,
 157–159, 167, 173–174, 178,
 200, 217, 226, 242, 248, 254
 Deleuze, 34, 79–80, 99, 183
 deontology, 192–193
 Derrida, 99, 116, 137–138, 147,
 178
 description, 22–23, 31, 33, 36,
 38–39, 46, 53, 57, 64, 72, 78–79,
 87, 95, 108, 110, 117, 126,
 137, 141, 146, 149, 158, 179,
 181–182, 201, 226, 229, 237,
 239–242, 246
 Dewey, 246
 dialogue, 12–13, 19–20, 22, 28, 32,
 39, 48, 115, 137, 139, 151, 158,
 169–170, 172, 176, 183–184,
 190, 218, 220, 226, 230–231,
 233, 235, 237, 242, 244–256

- difference, 4, 8, 18, 21–23, 26, 32, 48, 50, 52, 57, 64, 66, 69, 79–80, 87, 90–91, 101, 111–113, 116, 123, 137, 145, 147, 151, 164, 174, 179, 183, 197, 208, 215, 218, 221–224, 229, 231–232, 235, 246, 248, 255
- discourse, 7, 83, 180, 242
- discussion, 43, 48, 52, 60, 99, 110, 124, 164, 176, 184, 190, 200–201, 205, 216, 221, 224–226, 245, 247, 252
- dualism, 20, 112, 142, 153, 185
- dynamic, 20, 32, 56, 63, 69, 89, 96, 103, 106, 112, 116, 124, 139, 147, 151, 156, 159–160, 163, 167, 173, 181, 186, 222, 230, 232–233, 245, 249
- ecology, 63, 144, 175, 187
- economics, 27, 107, 119, 163
- efficiency, 1–3, 6–7, 13–17, 22–25, 27, 30–32, 48, 53, 61, 68, 72, 81, 89, 99, 105–106, 115, 146, 185, 246, 249–250, 255–256
- embodiment, 18, 33, 36–37, 56, 170, 176, 215
- emergence, 1, 11–12, 15, 17–19, 28, 30–41, 47, 52–53, 56–61, 63, 66–67, 70, 74, 77, 79, 81–83, 88, 91, 96–101, 103–105, 107–119, 121, 123–125, 127, 129, 131, 133–140, 142–143, 145–153, 156–159, 168–169, 173, 175, 177, 179, 181, 183–187, 191, 193, 195, 197, 199, 206, 211, 217–232, 234–235, 237, 239, 241, 244–246, 249–250, 252–253, 255–256
- enact, 68, 95, 104, 241
- entrepreneur, 138–139, 253
- epiphenomenon, 92
- epistemic, 89, 94, 178
- epistemological, 48, 84, 89, 94, 105, 139–140, 157–158
- ethics, 28, 52, 83, 87–88, 112, 116, 125, 187, 191–193, 234, 243
- Every, 20, 72, 167, 224
- existentialism, 189
- experience, 1, 3–4, 6–7, 10–11, 13–14, 17, 20–21, 23–24, 29–30, 43–44, 48, 50–55, 60–61, 64, 68, 77–81, 85–86, 89–90, 93–94, 97–99, 103, 108–111, 114–117, 124, 129, 132, 140–143, 146, 152, 156–159, 164, 177, 182, 184, 189, 191, 194, 197–200, 205, 207, 210, 218, 220, 223–225, 227, 230–232, 234–235, 237, 240, 245–247, 252, 255–256
- experiment, 32, 38, 139
- explanation, 70, 84–85, 140, 144, 215, 243
- exploration, 22, 39, 41, 60, 83, 115, 136, 163, 185
- facilitation, 85
- faith, 4–6, 60, 92, 207, 212
- Fanelli, 50
- Fell, 202, 208
- Flach, 186
- formal, 19, 78, 83, 86, 88
- Foucault, 99, 179, 189–191, 222, 232, 234
- foundation, 4, 10, 13, 185, 250
- Fox Keller, 143
- framework, 55, 59, 80, 83, 139
- Frith, 4
- function, 27, 58, 87, 98, 106, 108, 113, 148, 156, 159, 163, 174, 177–179, 182, 202, 209, 220–221
- fundamental, 3, 8–9, 19, 104, 138, 147, 153, 159–160, 173, 179, 187, 230, 234, 242

- Gabriel, 230
 Garud, 240
 Gates, 94
 Gaver, 161
 generalization, 99
 generative, 79, 150, 176, 233, 242
 Gibson, 155, 159–163, 182, 187, 232
 Gilbert, 175–176
 Gioia, 48, 70
 glom, 247–248
 Goertzel, 199–208, 211, 214–217, 219, 253
 Goldstein, 145
 Gombrich, 163
 Gopnik, 88
 Gould, 173–174
 Grattton, 87
 Greimas, 19, 57, 222–224
 Gretsky, 70
 group, 9, 16–18, 31–34, 36–40, 45, 50, 56–61, 71, 86–87, 89–91, 96–99, 111, 117, 119, 127, 133, 148, 157, 169, 182–183, 194–195, 198, 205, 212, 217, 222, 225–232, 235, 244–245, 247, 249–250, 252–255
 Guattari, 34
 Gudmundsdottir, 91

 Habermas, 52
 Hall, 175
 Hamel, 114
 Hargadon, 50
 Harmony, 91
 Hartman, 80
 Hatch, 140–142
 Hebdige, 178–179
 Heidegger, 157–158, 176, 185, 187–189, 232
 Heracleous, 218
 Herman, 176
 hermeneutics, 76, 93, 97, 141, 162
 Hernes, 104
 hierarchies, 150

 Ho, 160
 Holden, 186
 holism, 139, 183, 221
 homeostasis, 146
 homology, 7–9, 19, 21, 32, 45, 50, 61, 63, 80–82, 117, 165, 173–187, 189–191, 193–194, 196–197, 199, 202, 208, 216–217, 219–222, 226, 230–237, 240, 246, 252, 255–256
 humanist, 21, 52, 189
 Hutchins, 92
 hypotheses, 69, 75, 77, 80

 IBM, 254
 ideas, 8–10, 17, 19, 25, 41, 67, 72–73, 75, 78–80, 99, 122, 128, 136, 139, 152, 165–168, 179, 185, 198, 200–201, 206, 209, 213, 225, 228, 234–235
idem, 112–117, 197, 219, 222, 255
 identity, 17–18, 22, 31–33, 35, 38–39, 45–46, 48–51, 57, 59, 61, 63, 65, 69–71, 76, 79–80, 84, 90–91, 94–96, 98–100, 103–104, 106, 112–116, 123, 127, 135–136, 145–147, 151–152, 164, 167–169, 173, 177–178, 180, 182, 189, 197, 217, 219–220, 223–225, 228–232, 245, 247, 251–253
 illusion, 28, 87, 198, 236
 illustration, 118, 144, 187, 223, 230
 imagination, 17–18, 78, 252, 254
 implementation, 104, 210, 239
 inclusion, 152, 162, 252
 incoherence, 85, 101, 206, 251, 255
 indeterminate, 59, 80, 115, 149, 181–182, 220
 indexical, 22, 44, 70–71, 74–75, 152, 181, 235–236
 information, 2–3, 24, 29–30, 67–68, 98, 111, 117–118, 120, 122–124, 126, 129, 133, 156, 159, 162–164, 201, 207, 211

- innovation, 11, 40–41, 45–46,
 55–56, 100, 115, 150, 191,
 228–230, 245, 252
 institutional, 64, 175
 integrity, 25–26
 intellectual, 45, 77, 84, 156,
 185–186, 235
 intelligence, 125, 166, 171,
 199–200, 202–204, 211, 213,
 216, 218, 253
 interpretation, 74, 92–93, 109, 140,
 162, 251
 intervention, 116, 138
 introspection, 159
ipse, 112–117, 197
- Jacques, 147
 James, 20
 Johnson, 146, 165
 Jones, 118, 176, 191, 203, 219
 judgments, 4, 43, 59–60, 65, 72,
 82, 84, 86–87, 94, 106, 246–247,
 255
 juxtaposition, 57, 226
- Kalimo, 82
 Kauffman, 65
 Kesseboehmer, 81
 keywords, 61, 148, 236
 kinds, 5–6, 23, 43, 45, 64, 95–96,
 131
 Kleisner, 175–176, 178
 knowledge, 2–3, 5, 7–8, 29, 31, 38,
 52–55, 68, 88, 93–94,
 104–109, 123, 139, 149, 167,
 171, 175, 181, 185, 189–190,
 193, 203, 208, 235, 254
 Kuhn, 142
- label(s), 3, 6–7, 9–13, 16, 19,
 22–23, 27–28, 31, 33, 36–41,
 44–46, 48–50, 53–54, 60–62,
 64, 67–77, 81–82, 84–86, 89,
 99, 101, 104, 106–107, 118,
 125, 134, 136, 148–149, 152,
 156–157, 161, 166, 173, 175,
 180, 186, 230, 232, 235–236,
 241–249, 255–256
- Lacan, 99, 111–112
 Lakoff, 165
 Langley, 104
 languaging, 8, 11, 17, 20, 31,
 36–39, 44, 50, 59–60, 63,
 65–67, 72–73, 76–77, 88, 92,
 96, 99, 104, 106, 108–109,
 111, 112, 117, 122, 125,
 140, 142, 147–148, 156,
 164–165, 171, 179, 184,
 189–190, 200–201, 204,
 217, 223, 225–226,
 233–234, 243
 Latour, 58, 165
 leadership, 9, 25–27, 34, 55, 80,
 169–170, 179, 207, 228, 230,
 233, 245, 253
 learning, 13, 55, 75, 88, 164, 209,
 214
 Lehrer, 108
 Lernout and Hauspie, 102–104,
 111, 115, 141, 146
 Lesley, 142
 Letiche, 135, 138–139
 Lewis, 91
 limitations, 8, 51, 168, 175, 181
 linguistic, 31, 38, 65–66, 156, 164
 linking, 7, 164
 Linstead, 148
 Lissack, 117, 135–136, 138–139
 listening, 22, 231
 logical, 31, 45, 77, 85, 89–90, 150,
 161, 181, 229, 255
 lossy, 7, 24, 132, 153, 157, 181,
 218, 246
 Luckman, 240
 Luhmann, 99, 183
 Lyotard, 185
- machiavellian, 135
 Maeda, 53
 Magi, 166, 170, 193, 244, 254

- manager, 14–15, 28, 30, 39, 64–65,
 77, 113–114, 147, 168, 203,
 205, 226–227, 246, 249, 251,
 254–255
 managerialism, 98
 mapping, 58, 83, 185, 221–222,
 248
 March, 102, 201
 Marshak, 49
 materialism, 123, 161
 maximization, 114
 Mcgreneire, 160
 meaningfulness, 63
 measurement, 4–5, 22, 71, 105
 Meltzoff, 88
 Menzies, 88
 metaphor, 72, 76, 78, 93, 107, 117,
 140, 180, 235
 Metzinger, 43
 Miller, 222
 mindset, 2, 14, 17, 90, 113, 180,
 247
 mission, 68–70, 86, 99, 105, 113,
 119, 122, 125–126, 130, 180,
 201–202, 208
 model(s), 6–7, 11, 16, 19, 22, 44,
 46–47, 50–51, 54, 58, 60–61,
 63–65, 67–81, 88, 90, 93, 97, 99,
 104, 106, 114–115, 127,
 133–135, 159, 165, 170,
 175–176, 196, 202–203, 214,
 216, 222–223, 226, 232–233,
 235–236, 240–243, 245, 247,
 254
 modernism, 223
 Morgan, 149, 180
 Morin, 149–151, 153
 Muller, 175
 Munro, 148
 mutuality, 108, 112, 161–162, 185,
 188, 198, 252

 naming, 107–108, 111, 156,
 164–165
 Nancy, 99

 narrative(s), 8, 23, 25, 29, 32–36,
 38–41, 46, 48, 58, 60, 67, 70, 73,
 76–81, 97, 106, 110, 113–116,
 136–137, 140, 142, 165, 168,
 170–172, 174, 184, 224,
 229–237, 240–248, 252,
 255–256
 Nonlinearity, 139
 Norman, 155, 160–161, 255

 observation, 7–9, 14, 37, 44, 50,
 70, 77, 108, 110, 117, 124, 145,
 225
 Ogilvy, 139
 order, 3, 9–10, 13–15, 18, 21,
 23–24, 30–31, 33–35, 38, 40, 43,
 48–50, 55, 59, 74–75,
 86–87, 89, 92, 94–95, 98–99,
 104, 106, 108, 112, 123,
 140–143, 145, 148–152, 159,
 170, 172, 177, 183, 187,
 197–198, 207, 224, 230, 232,
 234, 237, 243, 246
 organization, 1, 8, 10, 17, 25,
 27–32, 34–35, 38, 40–41, 44,
 48, 50–51, 53, 58–59, 64–66,
 69–70, 81, 84, 86–97, 99–100,
 102–105, 107, 113, 115, 117,
 119–120, 125, 127, 132,
 134–135, 139–141, 143–153,
 155, 157, 165–169, 171,
 175–176, 179–183, 186, 193,
 197–199, 204–206, 208,
 216–220, 222, 225, 227–231,
 233–234, 236, 242–243, 245,
 250, 252–254
 Orr, 116
 Orwell, 72
 Owen, 174–175, 177–179, 187

 paradigm, 2, 122, 125, 142, 155,
 195
 paradox, 94, 100, 125, 140, 149,
 168
 parallel, 9, 83, 91, 115, 178

- Parker, 191
 parole, 88, 190
 partiality, 32, 39, 111, 231
 participation, 50, 104, 114, 117,
 126, 156, 197
 Patricia, 67
 pattern, 13, 22, 31, 38, 50, 57, 59,
 90, 146, 175–176, 207, 254
 Peabody, 118, 124, 133–136
 perception, 4, 8, 15, 22, 36, 38, 49,
 63, 65–67, 74, 76, 79–80, 82,
 87, 91, 103, 107–108, 111,
 142, 144, 147, 156–157, 160,
 162, 164, 172, 178, 186–187,
 189, 195, 233–234, 237, 250,
 253, 255
 performance, 68, 105, 116, 210
 perspective, 3, 14, 19, 21, 28,
 35–38, 41, 46–47, 49–50,
 53–56, 58–60, 65–66, 71, 84,
 86, 96, 109, 145, 147, 157,
 164, 175, 183, 226, 235, 245,
 249–250
 perturbation, 107
 phenomenological, 93
 Philippe, 176
 philosophy, 34, 52, 83, 90, 131, 146,
 176, 187–189, 206, 234, 243
 platform, 115, 214
 Polkinghorne, 243
 Porter, 95, 114
 positivism, 138, 156, 186
 postmodernism, 96
 poststructuralist, 65, 226
 potentiality, 150
 pragmatics, 105
 Prahalad, 114
 precedence, 92, 109–110, 253
 predictable, 23, 31, 49, 59, 63–64,
 69–70, 192, 204, 222
 presumption, 7
 price, 26, 146
 Prigogine, 149
 probability, 63, 78
 problem, 13, 16, 32, 36–37, 47,
 65, 69–70, 72, 74–75, 85–86,
 89, 93, 104–105, 117, 125, 130,
 137–138, 140, 143, 157, 163,
 167, 180, 186, 195, 200, 202,
 204, 207, 212–213, 222,
 240–241, 245, 247–249
 productivity, 201
 projection, 16, 181
 proposition, 85, 110
 psychology, 9, 83, 91–92, 99, 111,
 114, 116, 141, 159–161
 purpose, 6, 28, 50, 52, 86, 91, 94,
 100, 106, 113, 123, 141, 152,
 163, 193, 198, 200, 206, 226,
 233, 239, 251–252, 255

 rationality, 76, 78–79, 94, 99,
 141–142
 Read, 210
 realism, 9, 65, 78, 86
 reductionism, 63, 65–67, 78, 114
 reductions, 23
 Reed, 163
 reflexivity, 77, 80, 91, 113, 116, 137
 reification, 173, 243
 relationships, 19, 21, 54, 56–57, 66,
 71, 74, 76, 80, 99, 108, 112, 116,
 135, 143, 146–148, 150–151,
 153, 155, 158, 167, 187, 195,
 199, 205, 220–222, 224, 226,
 228, 236, 239–240, 242–243,
 245, 247
 representation, 6–8, 19–20, 22, 24,
 27, 41, 61, 67, 74–75, 77–81, 85,
 95, 99, 106, 118, 132, 134, 142,
 148, 151–152, 159–162, 166,
 174, 179, 181, 191, 216, 218,
 226, 228–229, 232, 240, 246,
 256
 resilience, 15, 22, 249–250, 256
 retrospective, 3, 9, 43–45, 50,
 59–61, 72, 84, 86–88, 91–92,
 94, 96–97, 103, 105–106, 109,
 148–149, 156–157, 180–181,
 186, 247, 255–256
 rhizomes, 183
 Richardson, 149

- Ricoeur, 112, 115, 165
 risk, 10, 16, 24, 26, 28, 32, 35,
 38, 41, 51, 69, 74, 82, 99,
 102, 107, 119, 172, 242,
 255–256
 role, 1, 13, 22, 24, 27–28, 31, 38,
 56, 60, 71, 74–75, 86, 103, 108,
 115–116, 118, 136, 141,
 158–159, 161, 164, 169, 175,
 177, 193, 208, 222, 226,
 232–233, 239, 244–245, 253
 Rorty, 27, 71
 Rosen, 81, 243
 routine, 164, 230
- sagacity, 6, 94, 237, 239, 255–256
 Sartre, 189
 satisficing, 63, 144, 241
 Saussure (de), 88, 179, 222
 scenario, 68, 123
 Schultz, 138
 Schutz, 98
 Schwartz, 139
 science, 61, 69, 73, 83, 87, 90, 99,
 138, 141, 144, 150, 156, 207,
 210, 216, 229, 232, 235–236
 Searle, 156–157
 semantic, 155, 195
 semiotic, 8, 18–21, 32, 36–37,
 56–57, 89, 104, 155, 162, 187,
 221–224, 226, 228, 230,
 244–245, 252
 Senge, 114
 sensemaking, 1, 12–14, 21, 31,
 38, 45, 47, 50, 56, 58–60,
 83–84, 87–94, 96–100, 103–105,
 107–108, 110–111, 116–117,
 142–143, 147–148, 155, 157,
 164, 173, 180–181, 184, 189,
 193, 219–220, 230, 235
 serendipity, 126, 133, 206, 237, 239,
 255
 Serres, 179, 234
 Shaw, 55, 72
 significance, 10, 21, 31, 33, 38, 48,
 56, 59–60, 78, 80, 84, 104, 113,
 116, 136, 143, 147, 157, 169,
 234, 248
 similarity, 8–9, 19, 80, 109,
 173–176, 184–185, 255
 Simon, 148
 simplicity, 27, 53, 63, 164, 255
 Sims, 97
 simulacra, 8–9, 21–22, 63, 66–67,
 70, 77, 79–81, 117–118, 134,
 136, 165–166, 170–171,
 175–178, 186–187, 191,
 194, 199, 204, 215–216, 219,
 221, 235, 237, 240–242,
 244–245, 247, 249, 252,
 254–256
 situatedness, 70, 74, 78, 88, 229
 Smith, 72
 Snowden, 37, 53–55
 Souter, 243
 Spender, 49
 Spivak, 190
 square, 8, 18–21, 32, 36–37, 56–57,
 61, 187–188, 190, 192,
 194–195, 221–228, 230–231,
 233, 237, 244–250, 252–254,
 256
 Stacey, 50
 Stadler, 177–178
 storytelling, 73, 78, 116, 165, 231,
 233, 236, 251–252, 256
 strategy, 29–30, 48, 66, 68–69, 86,
 88, 95, 105–106, 109, 113, 115,
 140, 142, 159, 165, 170, 175,
 207, 220, 229, 231, 236
 structuralism, 177, 179
 sustainability, 37, 52, 153, 226
 Sutcliffe, 84
 symbols, 7, 44, 71, 87, 125, 152
 synthesis, 32, 221–222, 245
 system, 7, 19, 31, 38, 49, 53–55,
 57, 64, 66, 74–75, 85–86, 88,
 90, 107, 110, 115, 122–123,
 139–140, 143, 145–147,
 155–156, 158, 160, 167–168,
 189–190, 195, 200, 203–204,
 208, 215, 222–223, 234

- tactics, 137, 180
tags, 236
taxonomies, 236
Taylor, 152, 158, 231
teaching, 123, 201
technological, 31, 168, 175, 194,
220, 227
temporality, 66, 100
Terada, 66
terminology, 67, 143, 165, 174, 179
Thagard, 3, 44, 83–89, 96,
105–106, 111, 149, 180–181
Thayer, 239
theoretical, 9, 19, 41, 45, 63, 75–76,
82, 90, 177
theory, 1, 18, 28, 39, 45, 50–51, 58,
67, 76, 78, 80, 83–84, 89–91,
104, 107–109, 111, 114,
137–140, 144, 147, 153,
158–159, 162, 164, 167, 171,
175, 177–178, 183, 191,
223–225, 236, 241–243
things, 1, 3–4, 8, 12, 17, 19, 22,
25, 27, 36–37, 39, 43, 49, 53,
55, 57, 60–61, 63, 65–66, 70,
73, 75, 79, 84, 86, 89–90, 96,
102, 104–105, 110, 115, 118,
123, 129–132, 140, 143–144,
146–147, 149, 155, 160–163,
178, 180, 182, 186, 197, 203,
211–213, 220, 223, 226–227,
229, 233, 239–240, 243,
253–254
thinking, 14–15, 39, 46, 73, 87,
90–93, 99, 104, 110, 128,
140, 144, 152, 172, 200–201,
206, 211–212, 214, 219, 229,
248–249
Thompson, 67, 156
throwness, 230
tipping point, 152
tokens, 61, 72
tools, 65, 69, 72, 77, 81–82, 88,
93, 95, 106–107, 112, 115,
117–120, 122–130, 132–137,
160, 184, 188, 200, 220–221,
230, 246, 251
transcendence, 58, 221
transformation, 66, 253
transition, 118, 121–123, 125–126,
211, 235
translation, 53
trust, 25, 27–28, 35, 53, 73, 98,
112, 166, 169, 193, 216, 253
truth, 1, 44, 52, 65–66, 69, 77–79,
86, 88–89, 105–109, 130,
138–141, 166, 169, 175, 177,
180, 189, 191, 211–212, 220,
222, 227, 232, 254
Tsoukas, 104, 140–142
Turvey, 165
- ubiquity, 61
Ulrich, 107
uncertainty, 3, 18, 23, 27, 38, 49,
51, 65, 77–78, 116, 139, 165,
206, 240–241, 247–248, 255
understanding, 2–3, 6, 14, 32, 34,
37, 40, 45, 49–51, 65, 75–77, 84,
88, 93, 98, 107–108, 110–111,
113, 135, 149, 162, 175,
185–186, 200, 209, 212,
219–220, 235, 241, 245
unexpected, 11–13, 15–16, 22,
24–25, 27, 29, 56, 66, 80, 86, 89,
95–96, 111, 116, 126, 139, 148,
150, 157, 166, 173, 188, 230,
244, 250
unicity, 63, 99, 113, 116, 121,
157–158, 184, 194, 198,
228–229, 232
unknown, 11–13, 37–38, 153
- variables, 49, 68, 146
virtues, 98, 192, 220, 255
vision, 65, 69–70, 86, 95, 99, 105,
117, 125, 131, 146, 167–168,
170, 178, 180, 204, 207, 213,
215, 237, 249, 254
Vygotsky, 163–164, 237

- Wagner, 177–178
Walpole, 239
Warwick, 143
Wayne, 70
WebMind, 166, 171, 193, 199–220,
227, 244, 253–254
Weick, 44–45, 47, 50, 52,
68, 83–84, 86, 89–97,
99–100, 104–105, 107, 111, 117,
136, 147, 149, 180–181, 235,
240
white, 234
wholeness, 4, 44, 91
young, 118–123, 129, 131, 136, 175
zeitgeist, 30, 126
Zellmer, 81, 155, 195, 240