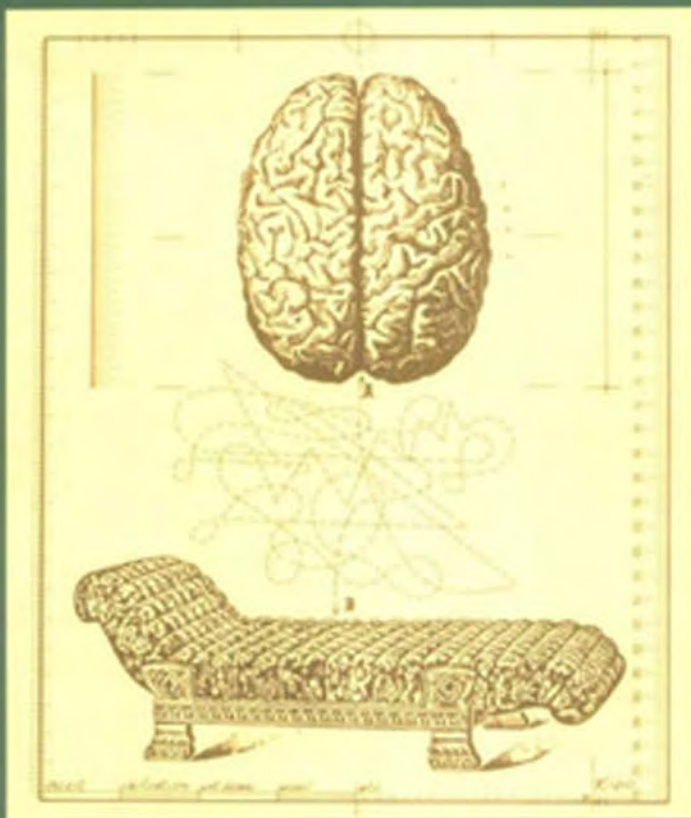


Freud's Dream

A Complete Interdisciplinary Science of Mind



Patricia Kitcher

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**A Bradford Book
The MIT Press
Cambridge, Massachusetts
London, England**

First MIT Press paperback edition, 1995
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This book was set in Palatino by DEKR Corporation and was printed and bound in the United States of America.

Library of Congress Cataloging-in-Publication Data

Kitcher, Patricia.

Freud's dream : a complete interdisciplinary science of mind /
Patricia Kitcher.

p. cm.

"A Bradford book."

Includes bibliographical references and index.

ISBN 0-262-11172-1 (HB), 0-262-61115-5 (PB)

1. Freud, Sigmund, 1856-1939—Contributions in interdisciplinary approach to knowledge. 2. Interdisciplinary approach to knowledge—Case studies. 3. Cognitive science—History. 4. Psychoanalysis—History. I. Title.

BF109.F74K58 1992

001—dc20

92-15124
CIP



MIT Press

0262111721

Kitcher



For G.F.W. and A.Y.W.

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Acknowledgments

A number of people and institutions have made substantial contributions to this project. In 1988 I was invited by the Mind Association and the Aristotelian Society to give a presentation at their joint meeting. The resulting paper, "What Is Freud's Metapsychology?" (Kitcher 1988), served as a pilot project for the book and is the basis for much of chapter 3. I am grateful to both organizations for their hospitality and to Peter Clark and Crispin Wright for their encouragement. Most of the book was written during 1989–90, when I was the beneficiary of a grant from the National Endowment for the Humanities and a University of California President's Research Fellowship in the Humanities. I thank both organizations for their support. I would also like to thank the Committee on Research at the University of California, San Diego, for providing me with a research assistant and Warren Dow for his conscientious help.

Patricia Churchland and Stephen Stich read some early material and provided advice and encouragement. Owen Flanagan, Frank Sullo-way, and Philip Kitcher read the penultimate draft and offered many thoughtful suggestions. Clark Glymour sent pages of useful criticism, which I wish I had been able to deal with more effectively. Peter Machamer annotated the penultimate draft with hundreds of large and small ideas and corrections, almost all of which changed the final version. I am deeply grateful to these kind and clever people for providing me with so much help.

My colleagues at UCSD have been very encouraging, and I would especially like to thank Patricia and Paul Churchland for their constant support. As always, I am extremely grateful to my husband, Philip Kitcher, for his patience and for his philosophical and practical help in making the book possible. As he has done so often, my father supplied esoteric books from Yale's Sterling Memorial Library when needed. On the occasion of their fiftieth wedding anniversary, I would like to dedicate the book to my parents for so many years of love and encouragement.

Bibliography

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- Alexander, Franz (1948). *Fundamentals of Psychoanalysis*. New York: W. W. Norton, 1963.
- Amacher, Peter (1965). "Freud's Neurological Education and Its Influence on Psychoanalytic Theory." In *Psychological Issues*, vol. IV, no. 4. New York: International Universities Press.
- Antilla, Raimo (1972). *An Introduction to Historical Linguistics*. New York: Macmillan.
- Bernfeld, Sigfried (1949). "Freud's Scientific Beginnings." *American Imago* 6:163-96.
- Bloomfield, Leonard (1933). *Language*. New York: Holt, Rinehart and Winston. Reprinted, 1966.
- Boas, Franz (1896). "The Limitations of the Comparative Method of Anthropology." Reprinted in Boas 1940.
- Boas, Franz (1917). "Introduction to *International Journal of American Linguistics*." Reprinted in Boas 1940.
- Boas, Franz (1920). "The Methods of Ethnology." In Boas 1940.
- Boas, Franz, ed. (1938). *General Anthropology*. San Francisco: D. C. Heath. Reprinted by Johnson Reprint Corporation, 1965.
- Boas, Franz (1940). *Race, Language and Culture*. New York: The Free Press.
- Boolos, George S., and Richard C. Jeffrey (1974). *Computability and Logic*. Cambridge: Cambridge University Press.
- Bowler, Peter J. (1983). *The Eclipse of Darwinism*. Baltimore, Md.: The Johns Hopkins University Press.
- Brazier, Mary A. B. (1988). *A History of Neurophysiology in the 19th Century*. New York: Raven Press.
- Brentano, Franz (1874). *Psychology from an Empirical Standpoint*. Antos C. Rancurello, D. B. Terrell, and Linda L. McAlister, trans. New York: Humanities Press, 1973.
- Buckle, Henry Thomas (1857-61). *Introduction to the History of Civilization in England*. With an introduction by John M. Robertson. London: Routledge, 1904.
- Bullock, Theodore Holmes (1977). *Introduction to Nervous Systems*. San Francisco: W. H. Freeman.
- Burghardt, Gordon M. (1973). "Instinct and Innate Behavior: Toward an Ethological Psychology." In John A. Nevin and George S. Reynolds, eds., *The Study of Behavior*. Glenview, Ill.: Scott, Foresman.
- Carey, Susan (1983). "Cognitive Development: The Descriptive Problem." In M. Gazzaniga, ed., *Handbook for Cognitive Neurology*. Hillsdale, N.J.: L. Erlbaum Assocs.
- Chomsky, Noam (1957). *Syntactic Structures*. The Hague: Mouton.
- Churchland, Paul M. (1989). *A Neurocomputational Perspective: The Nature of Mind and the Structure of Science*. Cambridge, Mass.: MIT Press.
- Clark, Peter, and Crispin Wright, eds. (1988). *Mind, Psychoanalysis and Science*. Oxford: Basil Blackwell.

- Clarke, Edwin, and L. S. Jacyna (1987). *Nineteenth-Century Origins of Neuroscientific Concepts*. Los Angeles: University of California Press.
- Cohen, R. S., and L. Laudan, eds. (1983). *Physics, Philosophy and Psychoanalysis: Essays in Honor of Adolf Grünbaum*. Boston: D. Reidel.
- Crews, Frederick (1988). "On the Irrelevance of Psychoanalysis to Literary Criticism." In Clark and Wright 1988.
- Crick, Francis, and Graeme Mitchison (1983). "The Function of Dream Sleep." *Nature* 304:111-14.
- Crick, Francis, and Graeme Mitchison (1986). "REM Sleep and Neural Nets." *The Journal of Mind and Behavior* 7:229-50.
- Cummins, Robert (1975). "Functional Analysis." *Journal of Philosophy* 5:102-22.
- Darwin, Charles (1859). *On the Origin of Species*. Cambridge, Mass.: Harvard University Press, 1976.
- Darwin, Charles (1872). *The Expression of the Emotions in Man and Animals*. Chicago: University of Chicago Press, 1965.
- Darwin, Charles (1874). *The Descent of Man and Selection in Relation to Sex*. Chicago: Rand, McNally, 1974.
- Dewey, John (1896). "The Reflex Arc Concept in Psychology." *Psychological Review* 3:357-70. Reprinted in Herrnstein and Boring 1965.
- Diagnostic and Statistical Manual of Mental Disorders* (1987). 3d ed., rev. Washington, D.C.: American Psychiatric Association.
- Durkheim, Emile (1895). *The Rules of Sociological Method*. W. D. Halls, trans. New York: The Free Press, 1982.
- Durkheim, Emile (1930). *Suicide: A Study in Sociology*. John A. Spaulding, trans. New York: The Free Press, 1951.
- Edelson, Marshall (1975). *Language and Interpretation in Psychoanalysis*. Chicago: University of Chicago Press.
- Ellenberger, Henri (1970). *The Discovery of the Unconscious*. New York: Basic Books.
- Ellis, Havelock (1897). *Studies in the Psychology of Sex. Vol. I: Sexual Inversion*. With J. A. Symonds. London: The University Press.
- Encyclopaedia Britannica* (1910). 11th ed. New York: Encyclopaedia Britannica Company, Handy Volume Issue.
- Eysenck, Hans J., and Glenn D. Wilson, eds. (1973). *The Experimental Study of Freudian Theories*. London: Methuen.
- Fancher, Raymond E. (1973). *Psychoanalytic Psychology: The Development of Freud's Thought*. New York: W. W. Norton.
- Fancher, Raymond E. (ms.). "The Neurological Origins of Psychoanalysis."
- Feldman, J. A., and D. H. Ballard (1982). "Connectionist Models and Their Properties." *Cognitive Science* 6:205-54.
- Fenichel, Otto (1945). *The Psychoanalytic Theory of Neurosis*. New York: W. W. Norton.
- Feyerabend, P. K. (1962). "Explanation, Reduction, and Empiricism." In H. Feigl and G. Maxwell, eds., *Minnesota Studies in the Philosophy of Science III*. Minneapolis, Minn.: University of Minnesota Press.
- Fine, Reuben (1979). *A History of Psychoanalysis*. New York: Columbia University Press.
- Fletcher, Ronald (1971). *The Making of Sociology*. 2 vols. London: Michael Joseph.
- Flexner, Abraham (1910). *Medical Education in the United States and Canada: A Report to the Carnegie Foundation for the Advancement of Teaching*. New York: The Carnegie Foundation for the Advancement of Teaching. Reproduced in 1960.
- Fodor, J. A. (1975). *The Language of Thought*. New York: Crowell.

- Fodor, J. A., and Z. W. Pylyshyn (1988). "Connectionism and Cognitive Architecture." In Steven Pinker and Jacques Mehler, eds., *Connections and Symbols*. Cambridge, Mass.: MIT Press.
- Freud, Sigmund (1915). *A Phylogenetic Fantasy*. Axel Hoffer and Peter T. Hoffer, trans. Cambridge, Mass.: Harvard University Press, 1987.
- Freud, Sigmund (1953–74). *The Standard Edition of the Complete Psychological Works of Sigmund Freud*. 24 vols. Translated from the German under the General Editorship of James Strachey. In collaboration with Anna Freud. Assisted by Alix Strachey and Alan Tyson. London: The Hogarth Press and the Institute of Psycho-Analysis.
- Gay, Peter (1988). *Freud: A Life for Our Time*. New York: W. W. Norton.
- Gelman, Susan A. and Ellen M. Markman (1987). "Young Children's Inductions from Natural Kinds: The Role of Categories and Appearances." *Child Development* 58:1532–41.
- Gillispie, Charles Coulston, ed. in chief (1970). *Dictionary of Scientific Biography*. "Ernst Brücke," vol. II. New York: Scribner.
- Glymour, Clark (1974). "Freud, Kepler, and the Clinical Evidence." In Richard Wollheim, ed., *Freud: A Collection of Critical Essays*. New York: Anchor Books.
- Glymour, Clark (1983). "The Theory of Your Dreams." In Cohen and Laudan 1983.
- Glymour, Clark (forthcoming). *Necessary Connections: Freud and the Foundations of Cognitive Science*.
- Gould, Stephen Jay (1977). *Ontogeny and Phylogeny*. Cambridge, Mass.: Harvard University Press.
- Gould, Stephen Jay (1989). *Wonderful Life: The Burgess Shale and the Nature of History*. New York: W. W. Norton.
- Grünbaum, Adolf (1984). *The Foundations of Psychoanalysis*. Los Angeles: University of California Press.
- Hebb, D. O. (1982). "Drives and the C. N. S. (Conceptual Nervous System)." Reprinted in Henry A. Buchtel, ed., *The Conceptual Nervous System*. New York: Pergamon Press.
- Hempel, Carl G. (1950). "Empiricist Criteria of Cognitive Significance: Problems and Changes." Reprinted in Carl G. Hempel, *Aspects of Scientific Explanation*. New York: The Free Press.
- Herrnstein, Richard J., and Edwin G. Boring (1965). *Sourcebook in the History of Psychology*. Cambridge, Mass.: Harvard University Press.
- Hexter, J. H. (1979). *Reappraisals in History*. 2d ed. Chicago: University of Chicago Press.
- Hobson, J. Allan (1988a). *The Dreaming Brain*. New York: Basic Books.
- Hobson, J. Allan (1988b). "Psychoanalytic Dream Theory: A Critique Based upon Modern Neurophysiology." In Clark and Wright 1988.
- Holt, Robert R. (1965). "Freud's Biological Assumptions." In Norman S. Greenfield and William C. Lewis, eds., *Psychoanalysis and Current Biological Thought*. Madison, Wisc.: The University of Wisconsin Press.
- Holt, Robert R. (1989). *Freud Reappraised*. New York: Guilford Press.
- Horgan, Terry, and John Tienson (1989). "Representation without Rules." *Philosophical Topics* 17:147–74.
- Jackson, John Hughlings (1873ff.). *Selected Writings of John Hughlings Jackson*, vol. I. James Taylor, ed. New York: Basic Books, 1958.
- James, William (1892). *Psychology: The Briefer Course*. Gordon Allport, ed. New York: Harper and Row, 1961.
- Jones, Ernest (1961). *The Life and Work of Sigmund Freud*. New York: Basic Books.
- Jung, C. G. (1906). *Studies in Word Association*. M. D. Eder, trans. New York: Russell and Russell, 1918.

- Keil, Frank (1989). *Concepts, Kinds, and Cognitive Development*. Cambridge, Mass.: MIT Press.
- Kemeny, J. G., and P. Oppenheim (1956). "On Reduction." *Philosophical Studies* 7:6–17.
- Kim, Jaegwon (1978). "Supervenience and Nomological Incommensurables." *American Philosophical Quarterly* 15:149–56.
- Kitcher, Patricia (1988). "What Is Freud's Metapsychology?" *Proceedings of the Aristotelian Society Supplement* 62:101–15.
- Kitcher, Philip (1984). "1953 and All That. A Tale of Two Sciences." *Philosophical Review* 93:335–73.
- Kitcher, Philip (1989). "Explanatory Unification and the Causal Structure of the World." In Philip Kitcher and Wesley Salmon, eds., *Scientific Explanation*. Minneapolis, Minn.: University of Minnesota Press.
- Klein, George S. (1976). "Freud's Two Theories of Sexuality." In Merton M. Gill and Philip S. Holzman, eds., *Psychology versus Metapsychology*. *Psychological Issues*, vol. IX, no. 4. New York: International Universities Press.
- Krafft-Ebing, Richard von (1903). *Psychopathia Sexualis*. Translated from the 12th edition (1903) by Franklin S. Klaf. New York: Stein and Day, 1965.
- Kuhn, Thomas (1970). *The Structure of Scientific Revolutions*. Chicago: University of Chicago Press.
- Laplanche, J., and J.-B. Pontalis (1973). *The Language of Psycho-Analysis*. Donald Nicholson-Smith, trans. London: The Hogarth Press and the Institute of Psycho-Analysis.
- Laudan, Larry (1983). "The Demise of the Demarcation Problem." In Cohen and Laudan 1983.
- Leibniz, Gottfried Wilhelm (1714). "The Monadology." In *Philosophical Papers and Letters*. Leroy E. Loemker, trans. and ed. Boston: D. Reidel, 1976.
- Leopold, Joan (1987). "Friedrich Max Müller." In H. Aarsleff, L. G. Kelly, and H.-J. Niederche, eds., *Papers in the History of Linguistics*. Philadelphia: John Benjamins.
- Lewin, Bertram D., and Helen Ross (1960). *Psychoanalytic Education in the United States*. New York: W. W. Norton.
- Lloyd Morgan, C. (1910). "Instincts." In *Encyclopaedia Britannica*, 1910, vol. 14, 648–50.
- Lowie, Robert H. (1937). *The History of Ethnological Theory*. New York: Holt, Rinehart and Winston.
- McClelland, James L., and David E. Rumelhart (1986). *Parallel Distributed Processing*. Vol. 2: *Psychological and Biological Models*. Cambridge, Mass.: MIT Press.
- Malinowski, Bronislaw (1962). *Sex, Culture, and Myth*. New York: Harcourt, Brace and World.
- Mandler, George (1985). *Cognitive Psychology*. Hillsdale, N.J.: L. Erlbaum Assocs.
- Masson, Jeffrey Moussaieff (1985). *The Complete Letters of Sigmund Freud to Wilhelm Fliess 1887–1904*. Cambridge, Mass.: Harvard University Press.
- Mill, John Stuart (1843). *A System of Logic*. London: Longmans, 1970.
- Müller, F. Max (1861). *Lectures in the Science of Language*. New Delhi: Oriental Publishers and Booksellers, fifth reprinting, 1965.
- Müller, F. Max (1897). *Contributions to the Science of Mythology*. London: Longmans, Green.
- Murphy, Gardner (1949). *Historical Introduction to Modern Psychology*. New York: Harcourt, Brace and World.
- Murphy, G. L., and D. L. Medin (1985). "The Role of Theories in Conceptual Coherence." *Psychological Review* 92:289–316.
- Nagel, Ernest (1961). *The Structure of Science*. New York: Harcourt, Brace and World.
- Nagera, Humberto, et al. (1970). *Basic Psychoanalytic Concepts on the Theory of Instincts*. New York: Basic Books.

- Nietzsche, Friederich (1887). *The Genealogy of Morals*. Francis Golffin, trans. New York: Doubleday, 1956.
- Nisbett, Richard, and Lee Ross (1980). *Human Inference: Strategies and Shortcomings of Social Judgment*. Englewood Cliffs, N.J.: Prentice-Hall.
- Nordenskiöld, Erik (1917). *The History of Biology*. New York: Tudor Publishing Company.
- Pedersen, Holger (1962). *The Discovery of Language*. John Webster Spargo, trans. Bloomington, Ind.: Indiana University Press.
- Porte, Helene Sophrin (1988). "The Analogy of Symptoms and Dreams: Is Freud's Dream Theory an Impostor?" In Clark and Wright 1988.
- Pribram, Karl, and Morton Gill (1976). *Freud's 'Project' Re-Assessed: Preface to Contemporary Cognitive Theory and Neuropsychology*. New York: Basic Books.
- Rapaport, David (1960). *The Structure of Psychoanalytic Theory: A Systematizing Attempt. Psychological Issues*, vol. II, no. 2, monograph 6. New York: International Universities Press.
- Robins, R. H. (1968). *A Short History of Linguistics*. Bloomington, Ind.: Indiana University Press.
- Rumelhart, David E., and James L. McClelland (1986). *Parallel Distributed Processing. Vol. I: Foundations*. Cambridge, Mass.: MIT Press.
- Sapir, Edward (1921). *Language: An Introduction to the Study of Speech*. New York: Harcourt, Brace and Company, 1960.
- Schaffner, Kenneth (1967). "Approaches to Reduction." *Philosophy of Science* 34:137-47.
- Sejnowski, T. J. (1986). "Open Questions about Computation in Cerebral Cortex." In McClelland and Rumelhart 1986.
- Sherrington, Charles S. (1906). *The Integrative Action of the Nervous System*. New Haven, Conn.: Yale University Press.
- Sherwood, Michael (1969). *The Logic of Explanation in Psychoanalysis*. New York: Academic Press.
- Singer, Charles (1959). *A History of Biology*. New York: Abelard-Schuman.
- Skinner, B. F. (1953). *Science and Human Behavior*. New York: The Free Press.
- Smith, E. E., and D. L. Medin (1981). *Concepts and Categories*. Cambridge, Mass.: Harvard University Press.
- Smolensky, Paul (1988). "On the Proper Treatment of Connectionism." *Behavioral and Brain Sciences* 11:1-23.
- Spiro, Melford E. (1982). *Oedipus in the Trobriands*, Chicago: University of Chicago Press.
- Stich, Stephen P. (1988). "From Connectionism to Eliminativism." *Behavioral and Brain Sciences* 11:53-54.
- Stocking George W., Jr. (1968). *Race, Culture, and Evolution*. Chicago: University of Chicago Press, 1982.
- Strum, Shirley C. (1987). *Almost Human*. New York: Random House.
- Sulloway, Frank (1979). *Freud: Biologist of the Mind*. New York: Basic Books.
- Sulloway, Frank (1991). "Reassessing Freud's Case Histories." *Isis* 82:245-75.
- Tinbergen, Niko (1968). "On War and Peace in Animals and Man." Reprinted in Arthur L. Kaplan, ed., *The Sociobiology Debate*. New York: Harper and Row, 1978.
- Tylor, Edward B. (1891). *Primitive Cultures: Researches into the Development of Mythology, Philosophy, Religion, Language, Art and Custom*. 2 vols. 3d ed. London: John Murray.
- Wallace, Edwin R., IV (1983). *Freud and Anthropology: A History and Reappraisal. Psychological Issues*, vol. XIV, no. 3. New York: International Universities Press.
- Wilm, E. C. (1925). *The Theories of Instinct*. New Haven, Conn.: Yale University Press. Reprinted by University Microfilms, Ann Arbor, Michigan, 1980.
- Wollheim, Richard (1971). *Freud*. London: Fontana.

- Wundt, Wilhelm (1874). *Grundzüge der physiologischen Psychologie* [*Principles of Physiological Psychology*]. 1st ed. Leipzig: Wilhelm Engelmann.
- Wundt, Wilhelm (1902). *Principles of Physiological Psychology, Vol. 1*. 5th ed. Edward Bradford Titchener, trans. New York: Kraus Reprint, 1969.
- Wundt, Wilhelm (1916). *Elements of Folk Psychology* [*Elemente der Völkerpsychologie*]. Edward Leroy Schaub, authorized trans. London: George Allen & Unwin.