

Works Cited

- Ackerman, John M. "Reading, Writing, and Knowing: The Role of Disciplinary Knowledge in Comprehension and Composing." Technical Report No. 40. Berkeley: Center for the Study of Writing, 1990.
- Agre, Gene P. "The Concept of Problem," *Educational Studies* 13 (1982): 121 - 142.
- Anderson, Paul. *Technical Writing: A Reader-centered Approach*. 2nd ed. : New York: Harcourt Brace, 1991.
- Arrington, Phillip, and Shirley K. Rose. "Prologues to What is Possible: Introductions as Metadiscourse," *College Composition and Communication* 38.(1987): 306-318.
- Bazerman, Charles. "What Written Knowledge Does: Three Examples of Academic Discourse," *Philosophy of the Social Sciences* 11 (1981): 361-87.
- Berkenkotter, Carol, Thomas N. Huckin, and John Ackerman. "Social Context and Socially Constructed Tests: The Initiation of a Graduate Student into a Writing Research Community." *Textual Dynamics of the Professions: Historical and Contemporary Studies of Writing in Professional Communities*. Ed. Charles Bazerman and James Paradis. Madison, Wisconsin: The University of Wisconsin Press, 1991. 191 -215.
- Bitzer, Lloyd F. "The Rhetorical Situation." *Philosophy and Rhetoric*. 1 (1968): 1 - 14.
- Bizzell, Patricia. "College Composition: Initiation into the Academic Discourse Community." *Curriculum Inquiry* 2 (1982): 191-207.
- Braddock, Richard. "The Frequency and Placement of Topic Sentences in Expository Prose," *Research in the Teaching of English* 8 (1974): 287-302.
- Brown, Richard Harvey. *Society as Text: Essays on Rhetoric, Reason, and Reality*. Chicago: The University of Chicago Press, 1987.

- Brown, Robert T. "Creativity: What Are We to Measure." *Handbook of Creativity, Assessment, Research and Theory*. Ed. J.A. Glover, R.R. Ronning, and C.R. Reynolds. New York: Plenum Press, 3 - 32.
- Brown, Stephen I. "The Logic of Problem Generation: From Morality and Solving to De-Posing and Rebellion," *For the Learning of Mathematics* 4 (1984): 9 - 20.
- Bryson, Mary, and Carl Bereiter, Marlene Scardamalia, and Elana Joram. "Going beyond the Problem as Given: Problem Solving in Expert and Novice Writers." *Complex Problem Solving: Principles and Mechanisms*. Ed. Robert J. Sternberg and Peter A. Frensch. Hillsdale, New Jersey: Lawrence Erlbaum Associates, Publishers, 1991. 61-84.
- Bunge, Mario. *Scientific Research - I: The Search for System*. New York: Springer-Verlag, 1967.
- Burke, Kenneth. *Counter-Statement*. Berkeley: University of California Press, 1968.
- Carey, L.J., and Linda Flower. "Foundations for Creativity in the Writing Process: Rhetorical Representations of Ill-Defined Problems." *Handbook of Creativity, Assessment, Research and Theory*. Ed. J.A. Glover, R.R. Ronning, and C.R. Reynolds. New York: Plenum Press, 283 - 303.
- Carter, Michael. "Problem Solving Reconsidered: A Pluralistic Theory of Problems," *College English* 50 (1988): 551-65.
- Colomb, Gregory, and Joseph M. Williams. "Form in Discourse," *Writing in Non-Academic Settings*. Ed. Lee Odell and Dixie Goswami. New York: Guilford Publications, 1986.
- _____. "The University of Chicago." *Programs that Work: Writing across the Curriculum*, Ed. Toby Fulwiler and Art Young, Portsmouth, N.H.: Heineman/Boynton/Cook Pub, 1990. 83 - 113.
- Cooper, Marilyn. "Why Are We Talking about Discourse Communities?" *Writing as Social Action*. Ed. Marilyn Cooper and Michael Holzman. Portsmouth, N.H.: Boynton/Cook Publishers. 202 - 220.
- Cowan, David A. "Developing a Process Model of Problem Recognition," *Academy of Management Review* 11.(1986): 763-776.
- Crewe, Louie. "Rhetorical Beginnings: Professional and Amateur." *College Composition and Communication*. 38 (1987) 346 - 350.
- Crookes. Graham. "Towards a Validated Analysis of Scientific Text Structure." *Applied Linguistics*. 7.1 (1986): 57-70.

- Csikszentmihalyi, Mihaly, and J.W. Getzels. "Creativity and Problem Finding in Art." *The Foundations of Aesthetics, Art, & Art Education*. Ed. F.H. Farley and R.W. Neperud. New York: Praeger, 1988. 91-116.
- Csikszentmihalyi, Mihaly. "Society, Culture, and Person: A Systems View of Creativity." *The Nature of Creativity*. Ed. R.J. Sternberg. Cambridge: Cambridge University Press, 1988. 325 - 339.
- Davis, Murray S. "That's Interesting! Towards a Phenomenology of Sociology and a Sociology of Phenomenology," *Philosophy of the Social Sciences* 1 (1971): 309-344.
- Delbecq, Andre and Andrew H. Van de Ven. "A Group Process Model for Problem Identification and Program Planning." *Journal of Applied Behavioral Science* 7.4 (1971) 466 - 492.
- Dewey, John. *How We Think*. Boston: Heath, 1910.
- Dudley-Evans, Tony. "Genre Analysis: An Investigation of the Introduction and Discussion Sections of MSc Dissertations." *Talking About Text: Studies Presented to David Brazil on his Retirement: Discourse Analysis Monograph* . 13 (1986): 129-45.
- Flower, Linda. "Interpretive Acts: Cognition and the Construction of Discourse." *Poetics*. 16 (1987): 109-130.
- _____. "Cognition, Convention, and Certainty: What We Need to Know about Writing." *Pre/Text* 3 (1982): 213-243.
- _____. "Foundationalism and Anti-foundationalism in Composition Studies." *Pre/Text*. 7 (1986): 37 - 55.
- _____. "Functional Communication: A Situational Perspective." *Rhetoric in Transition: Studies in the Nature and Uses of Rhetoric*. Ed. Eugene E. White. University Park, Pa.: The Pennsylvania State University Press, 1980. 21 - 38.
- _____. "Response to 'Textual Research and Coherence'," *College English* 52 (1990b): 208-212.
- _____. "The Domain of Creativity." *Theories of Creativity*. Ed. M.A. Runco and R.S. Albert. Newbury Park, CA: Sage Publications, 1990. 190 -212
- _____. "The Problem of Problems." *New Directions for Methodology of Social and Behavioral Science: Question Framing and Response Consistency* (1982) 11: 37 - 49.
- _____. "The Role of Task Representation in Reading to Write." *Reading-to-Write: Exploring a Cognitive and Social Process*, Ed. Linda Flower, Victoria Stein,

- John Ackerman, Margaret J. Kantz, Kathleen McCormick, and Wayne C. Peck. New York: Oxford University Press, 1990. 35 - 75.
- _____. (1979). Writer-based prose: A Cognitive Basis for Problems in Writing. *College English* 41 (1979): 19-37.
- _____. "The Construction of Purpose in Writing and Reading." *College English* 50 (1988): 528 - 550.
- _____. Negotiating Academic Discourse." *Reading-to-Write: Exploring a Cognitive and Social Process*, Ed. Linda Flower, Victoria Stein, John Ackerman, Margaret J. Kantz, Kathleen McCormick, and Wayne C. Peck. New York: Oxford University Press, 1990. 221 - 261.
- _____. *Problem Solving Strategies for Writing*. New York: Harcourt Brace, 1989.
- _____ and John R. Hayes. "The Cognition of Discovery: Defining a Rhetorical Problem," *College Composition and Communication* 31 (1980): 21-32.
- _____ and Marion I Walter. *The Art of Problem Posing*. Hillsdale, New Jersey: Lawrence Erlbaum Associates, 1990.
- Freed, Richard C. and Glenn J. Broadhead. "Discourse Communities, Sacred Texts, and Institutional Norms," *College Composition and Communication* 38 (1987): 154-65.
- Freedman, Aviva. "Show and Tell? The Role of Explicit Teaching in the Learning of New Genres." *Research in the Teaching of English* 27.3 (1993): 5 - 35.
- Getzels, J. W. "Problem Finding: A Theoretical Note," *Cognitive Science* 3 (1979): 167 - 171.
- _____. "Problem-Finding and the Inventiveness of Solutions," *The Journal of Creative Behavior* 9 (1975): 12 - 18.
- _____. "The Problem of the Problem." *Question Framing and Response Consistency*. Ed. Robin M. Hogarth. San Francisco: Jossey-Bass, Inc. 1982. 37 - 50
- _____. and M. Csikszentmihalyi. *The Creative Vision: A Longitudinal Study of Problem Finding in Art*. New York: Wiley, 1976.
- _____. and J. Smilansky. "Individual Differences in Pupil Perceptions of School Problems." *British Journal of Educational Psychology* 53 (1983): 307-16.
- Goldman, Alvin J. "Epistemology and the Theory of Problem Solving." *Synthese* 55 (1983): 21 - 48.
- Graff, Gerald. *Beyond the Culture Wars: How Teaching the Conflicts Can Revitalize American Education*. New York: W.W. Norton & Co., 1992
- Guilford, J.P. "Creativity." *Journal of American Psychology* 5 (1950): 444 - 454.

- Hashimoto, I. "The Myth of the Attention-Getting Opener," *Written Communication* 3 (1986): 123-131.
- Hattiangandi, J. N. "The Structure of Problems, Part I." *Philosophy of the Social Sciences* 8.4 (1978): 345 -365.
- _____. "The Structure of Problems, Part II." *Philosophy of the Social Sciences*. 9 (1979): 49-76.
- Hayes, John. *The Compleat Problem Solver*. 2nd ed. 1989
- Henle, M. "The Cognitive Approach." *Essays in Creativity*. Ed. S. Rosner and L.E. Abt. Croton-on-Hudson, N.Y.: North River Press, 1974.
- Hoey, Michael. *On the Surface of Discourse*. London: George Allen & Unwin, 1983.
- Johnson, Mark. *The Body in the Mind*. Chicago: The University of Chicago Press, 1987.
- Johnson, N.S., and J.M. Mandler. "A Tale of Two Structures: Underlying and Surface Forms in Stories." *Poetics* 9 (1980): 87-99.
- Jordan, Michael P. "How Can Problem-Solution Structures Help Writers Plan and Write Technical Documents?" *Solving Problems in Technical Writing*. Ed. Lynne Beene and Peter White. New York: Oxford, 1988. 3-26
- _____. *Rhetoric of Everyday English Texts*. London: George Allen and Unwin, 1984.
- Kantz, Margaret, J. "Promises of Coherence, Weak Content, and Strong Organization: An Analysis of the Student Texts.Negotiating Academic Discourse." *Reading-to-Write: Exploring a Cognitive and Social Process*, Ed. Linda Flower, Victoria Stein, John Ackerman, Margaret J. Kantz, Kathleen McCormick, and Wayne C. Peck. New York: Oxford University Press, 1990. 76 - 95.
- _____. "Shirley and the Battle of Agincourt: Why It Is So Hard for Students to Write Persuasive Researched Analyses." Occasional Paper No. 14. Berkeley: Center for the Study of Writing, 1989.
- Kaufers, David, and Cheryl Geisler. "Novelty in Academic Writing." *Written Communication* 6 (1989): 286-311.
- Kieras, David A. "Good and Bad Structure in Simple Paragraphs: Effects on Apparent Theme, Reading Time, and Recall." *Journal of Verbal Learning and Verbal Behavior* 17 (1978): 13-28.
- _____. "Initial Mention as a Signal to Thematic Content in Technical Passages." *Memory & Cognition* 8 (1980): 345-353.

- Kochen, Manfred, Albert N. Badre, and Barbara Badre. "On Recognizing and Formulating Mathematical Problems." *Instructional Science* 5 (1976): 115-31.
- Krashen, Stephen D. *Writing: Research, Theory, and Applications*. Oxford: Pergamon Institute of English, 1984.
- Lakoff, George. *Women, Fire, and Dangerous Things: What Categories Reveal About the Mind*. Chicago: University of Chicago Press, 1987.
- Landau, E. "Creative Questioning for the Future." *The Psychology of Gifted Children*. Ed. J. Freeman. New York: Wiley, 1950. 379 - 92.
- Langacker, Ronald W. "Settings, Participants, and Grammatical Relations." *Meaning and Prototypes: Studies in Linguistic Categorization*. Ed. Savas L. Tsohatzidis. New York: Routledge, 1990. 213 - 238.
- Lyles, Marjorie A., and Ian I Mitroff. "Organization Problem Formulation: An Empirical Study." *Administrative Science Quarterly*. 25 (1980): 102 - 118.
- MacDonald, Susan Peck. "Problem Definition in Academic Writing." *College English* 49 (1987): 315-31.
- Mackworth, N.H. "Originality." *Journal of American Psychology* 20 (1965): 51 - 66.
- Malley, John C., and Donald L. Davis, "Strategic Decision Making Behavior: Aspects of the Problem Formulation Phase." *Journal of Human Behavior and Learning* 5.2 (1988): 44-52.
- Mandler, J. M. "On the Psychological Reality of Story Structure." *Discourse Processes* 10 (1984): 1-29.
- Manteuffel, Mary S., and Watson M. Laetsch. "Problem Formulation in Undergraduate Biology Student Investigations." *Journal of College Science Teaching* 10 (1981): 160-3.
- Mathes, J.C., and Dwight Stevenson. *Designing Technical Reports*. Indianapolis: The Bobbs-Merrill Co, Inc., 1976.
- Mervis, C.B., and E. Rosch. "Categorization of Natural Objects," *Annual Review of Psychology* 32 (1981): 89-115.
- Meyer, Bonnie J. F. "Prose Analysis: Purposes, Procedures, and Problems." *Understanding Expository Text*. Ed. Bruce K. Britton and John B. Black. Hillsdale, New Jersey: Lawrence Erlbaum Associates, 1985. 11 - 64.
- _____. "What Is Remembered from Prose: A Function of Passage Structure. R.O. Freedle (Ed.) *Discourse Production and Comprehension: Advances in research and theory* (Vol 1). Norwood, N.J.: Ablex, 1975. 307 - 336

- Nickles, Thomas. "What is a Problem that We May Solve It?" *Synthese* 47 (1981): 85 - 118.
- Palmquist, Michael, and Richard Young. "The Notion of Giftedness and Student Expectations about Writing," *Written Communication* 9 (1992): 137-68.
- Patton, John H. "Causation and Creativity in Rhetorical Situations: Distinctions and Implications." *Quarterly Journal of Speech* 65 (1979): 36-55.
- Popkin, Randall L. "A Study of Topic Sentence Use in Academic Writing," *Written Communication* 4 (1987) 209 - 228.
- Porter, James E. "Intertextuality and the Discourse Community," *Rhetoric Review* 5 (1986): 34 - 47.
- Prince, Gerald. *A Grammar for Stories*. The Hague: Mouton, 1973.
- Rosch, E. "Natural Categories," *Cognitive Psychology* 7 (1973): 328 - 50.
- _____. "Principles of Categorization," *Cognition and Categorization*. Ed. Eleanor Rosch and B.B. Lloyd. Hillsdale, New Jersey: Lawrence Erlbaum, 1978. 27 - 48.
- _____. and C. B. Mervis. "Family Resemblances: Studies in the Internal Structure of Categories," *Cognitive Psychology* 7 (1975): 573 - 605.
- Rumelhart, D.E. "Understanding and Summarizing Brief Stories," *Basic Processes in Reading: Perception and Comprehension*, Ed. D. LaBerge and S.J. Samuels. Hillsdale, NJ: Erlbaum, 1975.
- Sacks, Joel G. "Specific Strategies of Problem Formulation: A Gap in Our Methods?" *Smith College Studies in Social Work* 55 (1985): 214-24.
- Schwartz, Donald. *A Study of Interpersonal Problem Posing*. Unpublished Doctoral Dissertation, The University of Chicago, 1977.
- Schwegler, Robert A., and Linda K. Shamon. "The Aims and Process of the Research Paper," *College English* 44 (1982): 817 - 824.
- Scott, Robert L. "Intentionality in the Rhetorical Process." *Rhetoric in Transition: Studies in the Nature and Uses of Rhetoric*. Ed. Eugene E. White. University Park, Pa.: The Pennsylvania State University Press, 1980. 39 - 60.
- Siitonen, Arto. "Demarcation of Science from the Point of View of Problems and Problem-Stating." *Philosophia Naturalis* 21 (1984) 339 - 353.
- Sintonen, Matti. "Separating Problems from their Backgrounds: A Question-Theoretic Proposal." *Communication and Cognition* 18.1/2 (1985): 25 - 49.

- Smilansky, Jonathan. *Problem Posing: What Students Perceive as Problems in School*. Unpublished Doctoral Dissertation, The University of Chicago, 1977, Spiro, Rand.
- Stein, Nancy, and Margaret Policastro. "The Concept of a Story: A Comparison between Children's and Teachers' Viewpoints." *Learning and Comprehension of Text*. Ed. Heinz Mandl, Nancy L. Stein, Tom Trabasso. Hillsdale, New Jersey: Lawrence Erlbaum Associates, Publishers. 1984. 113-55.
- Stewart, Jim, and John R. Jungck. *Problem-Posing, Problem-Solving, and Persuasion in Biological Investigation: An Introduction to BioQUEST*. Mimeographed. 1990.
- Swales, John. "Research into the Structure of Introductions to Journal Articles and Its Application to the Teaching of Academic Writing." *Common Ground: Shared interests in ESP and Communication Studies*, Ed. Ray Williams, John Swales, and John Kirkman. Oxford: Pergamon Press, 1984. 77-86.
- _____. *Aspects of Article Introductions*. Aston ESP Research Reports, no. 1. Birmingham, England: The Language Studies Unit, University of Aston, 1985.
- _____. *Genre Analysis: English in Academic and Research Settings*. Cambridge: Cambridge University Press, 1990.
- _____. and Hazem Najjar. "The Writing of Research Article Introductions: Where to Put the Bottom Line." *Written Communication* 4.2 (1987): 175-191.
- Taylor, John R. "Schemas, Prototypes, and Models," *Meaning and Prototypes: Studies in Linguistic Categorization*. Ed. Savas L. Tsohatzidis. New York: Routledge, 1990. 521-534.
- _____. *Linguistic Categorization: Prototypes in Linguistic Theory*. Oxford: Clarendon Press, 1989.
- Taylor, Ronald N. "Perception of Problem Constraints." *Management Science* 22.1 (1975): 22 - 29.
- Toulmin, Stephen. *Human Understanding*. Princeton: Princeton University Press, 1972
- Turner, Mark. *Reading Minds*. Princeton: Princeton University Press, 1992.
- Tversky, Amos, and Daniel Kahneman. "The Framing of Decisions and the Psychology of Choice." *Science* 211 (1981): 453-8.

- Voss, J.F., and T.A Post. "On the Solving of Ill-structured Problems." *The Nature of Expertise*. Ed. M.T.H. Chi, R. Glaser, & M.J. Farr. Hillsdale, NJ: Lawrence Erlbaum Associates, 1988. 261-285
- _____. S.W. Tyler, and L.A. Yengo. "Individual Differences in the Solving of Social Science Problems." Ed. R.F. Dillon & R.R. Schmeck *Individual Differences in Cognition*. New York: Academic Press, 1983. 205 - 232.
- _____. T.R. Green, T. Post, and B Penner. "Problem Solving Skill in the Social Sciences." *The Psychology of Learning and Motivation: Advances in Research Theory*. Ed. G.H. Bower. New York: Academic Press, 1983. 165-213.
- Williams, Joseph M. "Re-tooling Toulmin: Argumentation as Conversation." forthcoming.
- _____. *Style: Ten Lessons in Clarity and Grace*. New York: HarperCollins: 1994.
- _____. and Gregory G. Colomb. "Cohesion and Coherence," *Style: Toward Clarity and Grace*. Chicago: The University of Chicago Press, 1991.
- _____. and Gregory G. Colomb. "Why What You Don't Know Can Hurt You: Response to Aviva Freedman." *Research in the Teaching of English* 27 (1993): 36 - 49.
- Williams, Ray, John Swales, and John Kirkman. *Common Ground: Shared Interests in ESP and Communication Studies: English Language Teaching Documents*, no. 117. Oxford: Pergamon Press, 1984.
- Winters, Margaret E. "Toward a Theory of Syntactic Prototypes," *Meaning and Prototypes: Studies in Linguistic Categorization*. Ed. Savas L. Tsohatzidis. New York: Routledge, 1990. 285 - 306.
- Young, Richard E., Alton Becker, and Kenneth L. Pike. *Rhetoric: Discovery and Change*. New York: Harcourt, Brace & World, 1970.