Edman, Irwin, Arts and the Man. New York, W. W. Norton and Co., Inc., 1939; library and paperback editions.

Hayes, Bartlett H., and Rathbun, May, A Layman's Guide to Modern Art. New York, Oxford University Press, 1948; also in Tartan Books, David McKay Co., New York.

Hayes, Bartlett H., The Naked Truth. Andover, Mass., Addison Gallery, 1949.

Ulich, Robert, The Condition of Civilized Living. New York, E. P. Dutton & Co., 1946.

Pope, Arthur, Art, Artist, and Layman. Cambridge, Mass., Harvard University Press, 1937.

Beam, Philip C., The Language of Art. New York, Ronald Press Co., 1958.

Faulkner, Ziegfeld and Hill, Art To-day. New York, Henry Holt, 1956.

Moholy-Nagy, L., The New Vision. New York, Wittenborn, Schultz, Inc., 1947; library and paperback editions.

Panofsky, Erwin, Meaning in the Visual Arts. Garden City, N.Y., Doubleday Paperbacks, 1957.

Shahn, Ben, *The Shape of Content*. Cambridge, Mass., Harvard University Press, 1957; also in Vintage Books, Random House.

Giedion, Siegfried, Space, Time, and Architecture. Cambridge, Mass., Harvard University Press, 1949.

Kepes, Gyorgy, The Language of Vision. Chicago, Ill., P. Theobald, 1944.

_____, The New Landscape. Chicago, Ill., P. Theobald, 1961.

_____, Ed., Structure in Art and Science. New York, George Braziller, 1965.

_____, Ed., The Nature of Art and Motion. New York, George Braziller, 1965.

On Educational Theory Dewey, John, Democracy and Education. New York, The Macmillan Company, 1917; also a Free Press paperback.

Whitehead, Alfred North, Process and Reality. New York, The Macmillan Company, 1930; also a Free Press paperback.

_____, The Aims of Education. New York, New Ameri-

See also

208 Bibliography

can Library, 1957; also a Free Press paperback.

Jacks, L. P., The Education of the Whole Man. London, University of London Press, 1931.

Bruner, Jerome, *The Process of Education*. Cambridge, Mass., Harvard University Press, 1960; also in Vintage Books, Random House.

______, On Knowing. Cambridge, Mass., Harvard University Press, 1962; also in Atheneum Publications (paperback).

_____, Toward a Theory of Instruction. Cambridge, Mass., Harvard University Press, 1966; also a W. W. Norton & Co. paperback.

General Education in a Free Society (The Conant Report). Cambridge, Mass., Harvard University Press, 1945. Ulich, Robert, A History of Educational Thought. New York, American Book Company, 1945.

_____, Three Thousand Years of Educational Wisdom. Cambridge, Mass., Harvard University Press, 1950. Passages selected from many authors.

On Aesthetic Theory Ogden, C. K., Richards, I. A., and Wood, James, *The Foundations of Aesthetics*. New York, International Publishers, 1931. Important for its comparison of the various types of aesthetic theory, all of which, the authors assume, have their own validity.

Works
Written from
a Single Position

Croce, Benedetto, Aesthetic as a Science of Expression and General Linguistic. Tr. by D. Ainslie, New York, Noonday Press, 1953.

_____, *Guide to Aesthetics.* Tr. by P. Romanell, Liberal Arts Press, Bobbs-Merrill, 1965.

Dewey, John, Art as Experience. New York, Minton, Balch, 1934; also in Capricorn Books, (Putnam's).

Tolstoi, L. N., What is Art? Tr. by Aylmer Maude, London, H. Milford, Oxford University Press, 1938; also a Liberal Arts Press paperback, Bobbs-Merrill. Bosanquet, B., A History of Aesthetic. London, G. Allen and Unwin, Ltd., 1922.

_____, Three Lectures on Aesthetics, Ed. by R. G. Ross, Liberal Arts Press, Bobbs-Merrill, 1963.

Focillon, Henri, *The Life of Forms in Art.* Tr. by Hogan and Kubler, New Haven, Yale University Press, 1942; also in paperback, George Wittenborn Inc., New York.

Bibliography 209

Malraux, André, *The Psychology of Art*. Tr by Stuart Gilbert, 3 vols. Geneva, Albert Skira, 1949–1950.

Less Comprehensive Works Fry, Roger, Vision and Design. New York, Coward, McCann, 1924 or London, Peter Smith, 1947; also in Meridian Books, World Publishing Co.

Langer, Susanne, *Feeling and Form*. New York, Charles Scribner's Sons, 1953; library and paperback editions.

On Art as a Process Arnheim, Rudolf, *Art and Visual Perception*. Berkeley and Los Angeles, California, University of California Press, 1960; library and paperback editions. Greene, William Chace, *The Choices of Criticism*. Cambridge, Mass., The M.I.T. Press, 1965.

The History of Art

Robb and Garrison, Art in the Western World. New York, Harper & Brothers, rev. ed., 1965.

Gombrich, E. H. J., *The Story of Art.* New York, Phaidon Publishers, 1962; library edition and paperback. Gardner, Helen, *Art Through the Ages.* Reworked under the editorship of Sumner M. Crosby by the Department of the History of Art, Yale University, New York, Harcourt, Brace, 1959.

Janson, Holst W., History of Art. Englewood Cliffs, N.J., Prentice-Hall, 1962.

Larkin, Oliver W., Art and Life in America. New York, Rinehart, 1949.

On Artistic Blight Blake, Peter, God's Own Junkyard (the planned deterioration of America's landscape). New York, Holt, Rinehart, and Winston, 1964.

Kouwenhoven, John, The Beer Can by the Highway. Garden City, N.Y., Doubleday and Co., 1961.

Tunnard, Christopher, and Pushkarev, Boris, Man-Made America: Chaos or Control? New Haven, Conn., Yale University Press, 1963.

Index

Ability, segregated, in school, 39 Abstraction, in the Albers courses, 194 as an approach to realism, 183 and the Britsch theory, 165 contrasted with representation, 60 in elementary school, 74, 157 historical beginnings of, 144 in the sample courses, 124–129, 133, 136, 138, 185, 188, 189 Accentuation, 125 Admissions, college, 77 Adolescence, 36-38, 54, 72, 121, Advertising, 25, 140 Affirmation, power of, 147 Albers, Josef, 194-199 Ambition as an educational motive, 45 Analysis in teaching, 195 Andover, see Phillips Academy Apprehension, 14, 15 Apprentice system, 42, 44-46, 54, 164, 196 Architecture, in a school course, 97, 138 use of logic in, 23 Arnheim, Rudolf, 60 Art, abstract, 60 and civic responsibility, 151 as communication, 9, 26-29 contrasted with science, 10 as a détente, 182 to an educated American, 148as experience, 60, 159, 181, 198 as a field of psychological experiment, 36 as a key to past civilizations, 9 manipulative appeal of, 103 perception in, 18 representational, 60 as therapy, 8, 77, 182 as a unifying element in education, 78 Art, curricular college, 77, 98-117, 192-199 administrative problems in, 104 extensions from the campus, 104 as a last chance for creativity, 105, 106 main objectives of, 98, 99, 114 professionally slanted, 102 requirements for, 34, 77, 93 co-ordinated with other subjects, elementary, 56-76, 181-183 internal co-ordination of, 121, 122

professional schools, rivalry with

college, 98, 99 proposals for, 120-147 related to other subjects, 145, 146 results of, as a measure of development, 69 and science, 91, 92 secondary, 77-97, 184-192 co-operating with science, 92 Arts, visual, in communication, 25. 27, 29 general potentials of, 52-54 growth of, in college, 98-100 in the humanities, 52 in the humanities program, 114 manipulative appeal of, 102 perception in, 81 Artist, as a participant in his subject matter, 70 patronage of, in history, 6 rejection of, by the public, 6 as a spectator of his subject matas a teacher, 100, 102, 192, 193 Arts, American patronage of, 2, 149 relations between, 113 Athens, 143 Awareness, areas of, 14, 79, 84 visual, 146

B

Baroque Period, 143 Barzun, Jacques, 2 Base line, 65, 68, 122 Bath Academy of Art, 92 Bauhaus, 194 Beautiful, the, in popular appeal, 5 Beauty, experience of, 145, 198 Behavior, as a psychological study, 177 Behavioral sciences, see Social Sci-Behaviorism, 179 Bellini, Giovanni, 169 Blake, Peter, 4 Bohr, Niels, 153–155 Britsch, Gustaf, 76n, 122, 152, 162, 163, 177, 180-183 Bruner, Jerome S.,42,44,48,49,54n Byzantine culture, 141, 142

C
Calculating, 14, 22
Canned lecture, 51
Caricature, 185
Cézanne, Paul, 160
Chagall, Marc, 75, 84
Character, 13, 30, 31
"Charm," in children's work, 60, 182
Chiaroscuro, 136, 143
See also Light and shade
Childhood as a value, 34

212 Index	
Christianity, 142	Discovery, 14, 18, 47, 54, 85, 91,
Cinema, 112	110
See also Movies	Discrimination, see Taste
Classicism, 84	Do-it-yourself, as a motive, 8
Clay as a medium, 59, 188	
Cloth as an art material, 129	kits, 150
Cognition 70 80 85	Drawing, 37
Cognition, 79, 80, 85	in the Andover program, 81
Collecting of phicate 74	in early childhood, 60, 61
Collecting of objects, 74	figure, 198
"Collective unconscious," 15	from memory, 74, 183
Color, interest in, as an educational	in the sample courses, 124, 125,
constant, 72	132, 185, 188, 189, 191
key, 199	Drill, 51
scale, 199	Duchamp, Marcel, 112
sense, 59	
of children, 180	E
Color harmony, 136, 153, 199, 181,	
200	Eccentricity and art, 53
Communication, 14, 25-29, 47, 54	Education, artistic, weakness of, 11
as a goal, 107, 182	broadened by art, 148-152
verbal, 25, 26	materials of, 31-33
visual, 26-29	methods of, 33-35
Community planning, 151	nature of, 13, 30
values for, 34	social factors in, 35
Competition, as a means of learn-	theory of, 13, 30
ing, 38, 40	Educational leadership, 12, 39
avoidance of, 39, 58	Egyptian artifacts, 4
Conant, James Bryant, 118–120	Egyptians, known through their
Concept, 107	art, 27, 140, 141
Confidence as an educational in-	Eighth grade in art, 66-69
gredient, 22, 40, 46, 50, 69, 147	Electronic devices, 102, 114
Conformity in the learning pattern,	Emotional needs of a child. 36
38, 54	Emotions, as an area of awareness,
Continuity inteaching, 11,53,109-	14.84
111, 120, 121	in education, 32, 40, 41, 71, 168
Counseling of students, 105	See also Expression
Crafts, in elementary art, 75	Empirical method, 58
Creativity, 14, 19-22, 32, 33, 47,	English courses, creativity in, 19,
52-54	20
as a bad word, 19	as producers, 33, 52
defined, 21	Entrepreneur, the, 7
last chance for, 105	Evaluation as a faculty, 23
in leisure, 150	See also Judgment
in music and literature, 33	Excellence, 35, 58
Critic of art, shortcomings of, 7, 8	Experiment as a watchword, 35, 52
Cultural blight, 1-11, 106, 116, 151	Expo 67, 141
Curricular subjects, secondary, re-	Expression, 125, 128, 133, 136, 150,
lations between, 33-35	185, 189
	Expressionism, 84
D	Eyes, opening of, in general edu-
Delacroix, Eugène, 153	cation, 146
Democratic society, goals of, 1	training of, 52, 74
Design, 78, 80, 137-140, 157, 192,	
195, 197	F
industrial, 91, 136, 138	Fantasy in art class, 189
in nature, 91	Florence. 143
Designer, the, in American life, 7,	Fluency, 117n, 122, 162, 173, 184,
18, 150	192. 195
Dewey, John, 32, 35, 38, 40, 163	Fourth grade in art, 61-66
Discipline, as an educational value,	Fragonard, Jean Honoré, 29
41	Franklin, Ben, 119
in the visual arts, 53, 147	Functionalism in architecture, 23
, ,	a and to the architecture. 23