

Architecture 100

BIBLIOGRAPHY

- + Alexander, Ishikawa, Silverstein, Jacobson, King, Angel,
A Pattern Language (in print; ASUC store will have)
- + Alexander, The Timeless Way of Building (manuscript; to be published) x2690
- + Alexander, Silverstein, Angel, Ishikawa, Abrams, The Oregon LD 4364.6
Experiment (in print) 0731
- Alexander, Davis, Abdel-halim, People Rebuilding Berkeley (manuscript) HT.168
B 45
A 47
- Alexander, Davis, Martinez, Corner, Young, The Production of
Houses (manuscript) X 6137
- Andrews and Andrews, Shaker Furniture (Dover paperback)
- Ruth Benedict, Patterns of Culture (Mentor paperback) Kröber
- + Hubert Benoit, The Supreme Doctrine. On Zen Buddhism.
- John Tyler Bonner, Morphogenesis (Atheneum paperback)
- Chomsky and Miller, "Introduction to the Formal Analysis of
Natural Languages," in Handbook of Mathematical Psychology,
Volume II, Wiley, New York, 1963.
- + Ulrich Conrads, Programs and Manifestoes on 20th Century Architecture:
Loos, "Ornament and Crime"
Sant'Elia/Marinetti, "Futurist Architecture"
Mies van der Rohe, "Working thesis"
van Doesburg, "Towards a plastic architecture"
Mies, "Industrialized Building"
Le Corbusier/Pierre Jeanneret, "Five points towards a
new architecture"
(If you are not already familiar with the basic literature of
modern architecture, these selections will be helpful in
understanding the assumptions which underly it and the ways
in which it has been justified over the last fifty or sixty
years. Understanding these assumptions may help to clarify
the differences between them, and the material presented in
this course.)
- Douglas Frazer, Village Planning in the Primitive World (Braziller p.b.)
GN413FF
- Knut Hamsun, Growth of the Soil, Chapter 1. The very beginnings of
building: how does one make the first mark on the world?
(Passages from fiction are often helpful in understanding this
material, since novelists can describe the life of a particular
instant while at the same time dealing with a more abstract
idea. So we include the Hamsun, Iris Murdoch, Virginia Woolf.
Maybe you have some better examples.)

John Harvey, The Gothic World, Chapters 1-3. Describes the human organization which built the great cathedrals, and delves into the relationship between the style of architecture, and the shifting, overlapping groups of builders which were at work. Important to know something about this, to understand the nature of the architect-builder.

Eugen Herrigel, Zen in the Art of Archery. How a student of a Zen master learned to shoot with bow and arrow. The acquisition -- and loss -- of discipline.

Arthur Koestler, The Act of Creation, Chapter XIII ("Partness and Wholeness"). This describes the nature of hierarchical structures in living organisms. It may help to illuminate our discussions of patterns and organic structure in buildings.

+ Thomas Kuhn, The Structure of Scientific Revolutions. This book is essential reading, if you haven't already read it. It gives an account of what happens, within the scientific community, at times when basic world-views, or paradigms, are transformed. It has particular relevance for this course, since a similar thing is happening in architecture.

+ Joseph McMullan, Islamic Carpets, New York 1965.

Iris Murdoch, Under the Net, Chapters 7-9. What does the variety and complexity of a city mean, in human terms?

Paul Oliver, Shelter and Society GT171 Q4

+ Amos Rapoport, House Form and Culture. This book examines the specific influences of cultural habits, climate, construction techniques, etc., on the form which houses take, using numerous examples from many traditional and primitive cultures. It may help you understand both the specificity which patterns must have, as well as the variety which pattern languages can assume over a range of cultures.

+ Bernard Rudofsky, Architecture without Architects. A mostly picture-book, with many, many examples of buildings of primitive and traditional cultures, all built without the need for an architect.

Peter Stevens, Patterns in Nature Q481 58591

+ D'Arcy W. Thompson, On Growth and Form, Chapter "On Form and Mechanical Efficiency." This will help you understand the nature of structural efficiency which will be discussed in relation to construction. And more generally, an attitude to design which says that you should get the most building, and the most beautiful building, using the least amount of material, has close connection to these ideas.

Hermann Weyl, Philosophy and Mathematics and Natural Science, Appendix F: "The main features of the physical world: Morphe and Evolution." Princeton paperback.

L.L. Whyte, Aspects of Form, article by C.H. Waddington, "The Character of Biological Form." The relationship between form and growth.

Thornton Wilder, Our Town. The famous American play, suggested by a student in a discussion about the quality without a name.

Virginia Woolf, Mrs. Dalloway, and/or The Waves.

John Lerner, Culture and Society in Italy 1290-1420

Charles Scribner's Sons, N.Y. 1971

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Alexander, "The coordination of the urban rule system"

✓ Alexander, Ishikawa, Silverstein, Jacobson, King, Angel, A Pattern Language

✓ Alexander, The Timeless Way of Building

✓ Alexander, Silverstein, Angel, Ishikawa, Abrams, The Oregon Experiment.

✓ Alexander, Davis, Abdel-halim, People Rebuilding Berkeley

Alexander, "The architect-builder," in S.F. Bay Architects Review, Sept. 1977

✓ Alexander, Davis, Martinez, Corner, Young, The Production of Houses

Alexander & Jacobson, articles on construction in The Responsive House,
edited by Ed Allen, MIT Press

Andrews and Andrews, Shaker Furniture (Dover paperback)

✓ Benoit, The Supreme Doctrine, Chapter 7, especially the last 5 paragraphs

Bonner, Morphogenesis

✓ Ulrich Conrads, Programs and manifestoes on 20th Century Architecture:

Loos, "Ornament and Crime"

Sant'Elia/Marinetti, "Futurist Architecture"

Mies van der Rohe, "Working thesis"

van Doesburg, "Towards a plastic architecture"

Mies, "Industrialized Building"

Le Corbusier/Pierre Jeanneret, "Five points towards a
new architecture"

Frazer, Village Planning in the Primitive World

Hamsun, Growth of the Soil, Chapter 1

✓ Harvey, The Gothic World, Chapters 1-3

✓ Herrigel, Zen in the Art of Archery

Jacobs, Jane, The Economy of Cities, Chapter 3, "New Work"

Koestler, The Act of Creation, Chapter XIII, "Partness and Wholeness"

✓ Kuhn, The Structure of Scientific Revolutions

Lawrence, D. H., "Nottingham and the Mining Country," in Selected Essays
(Penguin paperback)

Murdoch, Under the Net, Chapters 7-9

✓ Protzen, Davis, and Alexander, dialogue about pattern languages in
Concrete, College of Environmental Design, U. C. Berkeley, Nov. 1977

✓ Papoport, House form and culture

✓ Rudofsky, Architecture without architects

Stevens, Patterns in Nature

✓ Summerson, Georgian London, "The London House and its Builders"

Thompson, D'Arcy, On Growth and Form, chapter "On Form and Mechanical Efficiency"

✓ Turner, Freedom to Build, "The Re-education of a Professional"

Ward, Colin, articles in Housing, an anarchist approach

✓ Hutler, The Shape of Time

Other readings may be suggested from time to time during the quarter.