

- Lawson, Bryan R., 9, 39, 42, 43, 72, 73, 74, 76, 85, 105, 140, 143, 149, 153, 154, 162, 163, 164, 168, 169, 171, 183, 184, 189, 192, 203, 207, 208, 209, 212, 213, 248, 255, 259, 266, 271, 272, 277, 280, 282
- Laxton, M., 156, 157, 296
- Le Corbusier, Charles-Edouard, 25, 97, 104, 161f, 173, 204, 231, 302
- Leach, E., 113
- Leaman, A., 100
- Lessons for Students of Architecture* (Hertzberger), 112, 156
- Levin, P.H., 40
- Lindsey, B., 282, 283
- LLoyd, P., 184
- London Underground, 267
- Looking for the Beach under the Pavement* (Hertzberger), 233
- Loos, Adolf, 177
- Lubbock, J., 6
- Luchins, Abraham H., 155
- Luchins, Edith S., 155
- Lutyens, Edwin, 88
- Lynn, Jack, 231
- Lyons, Eric, 162
- MacCormac, Jamieson and Prichard (architects), 249
- MacCormac, Richard, 151, 173, 192f, 193f, 194f, 204, 208, 209, 249, 250, 252, 277
- Macintosh, Kate, 99
- MacKinnon, D.W., 151, 152
- Macmillan, S., 258
- Maguire, Bob, 251
- Maher, M.L., 274, 275
- Maitland, B., 205
- Man Made Futures* (Weinberg), 166
- Mandatory Minimum Standards for public sector housing, 73, 74
- Manifesto of Architecture* (Sant-Elia), 166
- March, L., 173
- Markus, Tom A., 29, 36, 100, 133, 288
- Markus/Maver map, 36, 37f, 38, 39, 257
- Martin, Sir Leslie, 104
- Martin Centre, Cambridge, 104, 173
- Matchett, E., 32
- Maver, Tom, 36
- McDonnell, J.T., 302
- McLuhan, Marshall, 113
- Measurement in design, 63–82
 - cost benefit analysis, 78–81
 - difficulties for designers, 81
 - siting of third London Airport, 78, 79f
 - views of RIBA, 79–80
- decision taking, 81–2
- design methods, 75–7
 - Alexander's method, 75–7
 - failings and deficiencies, 76–7
 - requirements and interactions, 75–6
- numbers, 64–73
 - combining the scales, 69–70
 - Archer model of design process, 69
 - Stevens rules for measurement scales, 69–70
 - interval numbers, 65, 66f
 - Fahrenheit and centigrade, 65, 66f
 - nominal numbers, 68f
 - ordinal numbers, 66–7
 - rankings, 67f
 - ratio numbers, 65f
- precision in calculation, 70–3
 - dangers in over-application of science, 72
 - faults of over-precision, 71–3
 - problems in measuring success, 63–4
 - regulation, 73–5
 - Design Guide for Residential Areas* (Essex County Council), 74
 - legislation not aiding good design, 75
 - Mandatory Minimum Standards, 74
 - Parker Morris recommendations for kitchens, 73, 74f
 - Value of Standards for the External Residential Environment* (Department of the Environment), 74–5
 - value judgment, 70, 77–8
- Medway, P., 267, 288
- Miller, G.A., 136
- Miller, Jonathan, 190
- Model of designing, 287–303 *see also* Principles of design
 - design investigations, 287–9
 - interviews with designers, 288–9
 - research in the laboratory, 288
 - use of computers, 289
- evaluating, 298–9
 - objective and subjective, 298
 - suspending judgement, 299
- formulating, 292–3
 - framing, 292–3
 - identifying, 292
- moving, 295–6
 - interpretive moves, 295–6
 - primary generators, 295
- problems and solutions, 296–8
 - are inseparable, 296–7
 - continuous process, 297
 - thinking in parallel, 297–8

- reflecting, 299–301
 - guiding principles, 300
 - references, 300–1
 - reflection on action, 299–300
- representing, 293–5
 - conversations with representations, 293–5
 - scope of a model, 290–1
 - skills and values, 291, 301–2
- Moore, Henry, 83
- Morris, Desmond, 244
- Morris, Sir Parker, 73
- Moulton, Alexander, 149, 150
- Mueller, R.E., 138
- Murphy, G., 138
- Murphy, Richard, 279
- Murray, Gordon, 108, 190
- Museum of Anthropology, Vancouver, 195
- Musgrove, J., 46

- National Theatre, 105, 106f, 271
- Neisser, U., 135
- 'New Architecture,' 160
- Newell, A., 134
- Neylan, Michael, 99
- Norberg-Schulz, C., 101
- Notes on the Synthesis of Form* (Alexander), 27

- Olympic Games (1992), 94
- Open University, 202
- Opron, Robert, 256
- Outram, John, 83, 207, 250, 251, 252, 263

- Page, John, 38, 60, 85, 288
- Palladio, Andrea, 173
- Paperweight* (Fry), 17
- Parallel lines of thought in design, 143, 154–5
- Parc de la Villette, Paris, 267, 268f
- Peng, C., 251
- Piaget, Jean, 134
- Pilling, S., 183
- Plans and the Structure of Behaviour* (Miller, Galanter and Pribham), 135–6
- 'Plug-in-City,' 88
- Poincaré, Henri, 147, 149
- Pompidou Centre, Paris, 89, 107, 117, 118f
- Poon, J., 274, 275
- Portillo, M., 101, 109, 110
- Poundbury village, 167
- Powell, Dick, 171

- Practical Thinking* (de Bono), 3
- Price, Cedric, 165
- Prince of Wales Institute of Architecture, 6
- Principles of design, 159–80 *see also* Model of designing
 - client, 167–8
 - climate, 177–9
 - designs for ecologically sound skyscraper, 177, 178f
 - content, 167
 - decomposition versus integration, 164–5
 - balancing design concepts, 164–5
 - 'green' design, 165
 - formal, 173–4
 - constraints, 173
 - geometrical ideas, 173
 - future, 165–7
 - images by Sant-Elia, 166f
 - and technology, 166–7
 - morality, 160–4
 - cultural style, 161–2
 - New Architecture, 160
 - principles and pragmatism, 163–165
 - practical, 170–1
 - 'high-tech' design, 170
 - structural engineering, 170–1
 - radical, 172
 - symbolic, 174–7
 - minimalism in the theatre, 175
 - product personality, 176f
 - users, 168–70
 - have competing requirements, 169
 - involvement in design, 169–70
- Problems and solutions in design, 83–90, 112–25 *see also* Model of designing; Principles of design
 - analysis model, 83
 - design as a contribution to knowledge, 118–20
 - activities of imaging, presenting and testing, 119
 - body of knowledge for testing, 119
 - heuristic catalyst for imaging, 119
 - characteristics of design, 119
 - design problems, 120–1
 - cannot be comprehensively stated, 120
 - require subjective interpretation, 120
 - tend to be organised hierarchically, 121
 - design process, 123–5
 - finding and solving problems, 124
 - involves subjective value judgement, 124–5