

# Index

*Note:* Page references in *italics* indicate illustrations and diagrams.

- AAT (*Art and Architecture Thesaurus*),  
120, 138, 176-7
- access  
improved, 33, 38, 51, 58, 115, 192  
monitoring, 163  
problems of, 175  
slow, 33, 45
- accessioning system, 52
- accuracy in information, 132-3
- ACEN (*Art COM Electronic Network*),  
ix
- administration, 1, 14
- Aga Khan Program for Islamic  
Architecture, viii, 57-64
- AHIP (*The Art History Information  
Program of the Getty Trust*),  
131, 136, 140
- air-conditioning  
and computer problems, 45  
and environmental monitoring,  
179-84, 186-7
- analysis, textual, 203-4  
visual, xii-xiii, 8, 77, 81, 85-96
- architecture, *Islamic*, Aga Khan  
Program, viii, 57-64
- archive, photographic, 133-5
- ARCOS project, 8
- ARCOS workstation, 4
- Art & Architecture Thesaurus, 120
- art history, computers in, 1-20, 76, 80,  
200
- 'Art Network' project, 14-16, 15
- authority files, 135-6, 175
- AVIADOR Project, viii
- backing up, 148, 164-5, 197
- banking, use of computers, 1
- Baron, Wendy, 145
- BASIS system, 17, 157-9, 160
- Beal, Mary, 144-53
- Beasley, Prof., 88
- Birkbeck College, London, 'Morelli'  
project, 74, 80, 87-96, 90-1, 92
- BLAISE, 142
- border, on videodisc image, 42-3, 53
- British Architectural Library Biography  
Project, 174-7
- British Government Art Collection,  
computer system, 144-53
- British Library, catalogue, 142
- Cambridge Z88 computers, 192
- Canada  
locations register, viii  
subject classification, 117-18, 120,  
138
- Canaday, J.E., 52
- Canadian Heritage Information  
Network, 190
- Carlyle, Leslie, 189-99
- catalogue, 18-20, 69, 145, 164-73  
as database, 130-42  
nature of information, 132-3, 134-5,  
140  
presentation of information, 133-5
- CCD technology, 25, 31, 34, 36-40, 42,  
108-10, 114
- CD-ROM (*read-only memory*), 16, 40
- Cennini, Cennino, 98, 100-1
- ceramics, reconstruction, 8, 10
- CHArt (*Computers and Art History  
Group*), xi, xii
- choreography notation, 8

- CID (charge injection device)  
 technology, 109-10, *110*, *112*,  
 113
- classification, 76, 94-5  
 systems, 117-28  
 numerical, 120, 121-3, 126-7,  
 137-8; *see also* indexing
- codicology, 203
- collection management, computers in,  
 155-63
- colour  
 change, 81, 82, 84, 98-102  
 monitoring, 103-15, *108*, *109*  
 computing, 2, 38, 85  
 in digitization, 87  
 measuring, 113-14  
 perception, 25-6, 43, 45, 81
- Colvin, Howard, 174
- communication, 14-17
- compact discs, 40-1
- Computer-Aided Learning systems  
 (CAL), 67
- computers  
 IBM, vii, 54  
 impact of, xi-xii, 74-6, 200-2  
 mainframe, 164  
 microcomputers, 31, 164, 171  
 note-taking, 192  
 personal, vii, 2, 54, 141, 157-8  
 portable, 189, 191-7  
 hard disk, 192, 193  
 power supply, 195-6  
 purchasing, 193-4  
 problems, 17-20  
 institutional and individual, 18-19  
 systematic, 19-20
- conservation, use of computers in, 2, 77,  
 83-5, 105, *see also* monitoring,  
 environmental
- Conservation Information Network, 190
- copies, manual identifying, 89-93, *90-1*,  
 92
- copyright, 52, 59
- Coupric, Leendert, 121, 140
- Courtauld Institute, monitoring of  
 colour change, 103
- Cros, Charles, 24
- CRT technology, 37-9, 42, 44-5
- biography, 174-7  
 catalogue as, 130-42  
 on illuminated manuscripts, 204-6  
 Images System, 58-9
- dBase II, 164, 164-5
- dBase III PLUS, 17, 157, 158, 164-7,  
*166*, 171-3
- design, in digitization, 87
- DIALOG, 141, 175, 177
- digitization techniques, xiii; *see also*  
 imaging, electronic
- directories, disk, 172-3
- disk, hard, 164-5, 192, 193
- disk, optical, *see* videodisc
- disk corruption, 40, 147, 164, 197
- Document Composition Facility, 19
- documentation, need for, 150-1, 153,  
 177
- Ducos du Hauron, Louis, 24
- Dutch Open University, 64-5
- Ecole Nationale Supérieure des  
 Télécommunications (ENST),  
 115
- education, distance, 65-7
- Evans, Ralph, 23
- executives, use of computers, 1
- fading, 98-100, *99*, *100*
- Famulus database, 205
- field  
 keyed, 176  
 size, 53-4, 158, 160-1, 165
- Field, George, 191, 193
- fluorescence, 28, 38-9
- Fogg Art Museum Photographic  
 Archives, 140-1
- formalism, 86
- forms, comparison, 8, 81, 86-8, 95
- Framework II, 170
- France, subject classification, 117,  
 123-5, 139
- Frank, H., 8, 9
- Franklin, Jonathan, 174-7
- Fraser, Ian, 193
- funding, problems of, 18, 56, 142, 154  
 155, 156
- Gamble, William, 32
- Gardner, Helen, 51-2
- Garnier system, 117-18, 121, 122,  
 123-5, 139
- GEM software, 59
- Gestalt psychology, 86
- DAT (digital audio tape), 41
- data collection, 2-3, 17
- data retrieval, 3-8
- databanks, 6-8, 16-17, 19
- database, xiii, 17, 18-19, 50-6, 69,  
 156-63, 165-70

- Glass, Elizabeth, 142n  
 Glass system, 125  
 Gray, A.S., 174
- Hamber, Anthony, 23-47, 82  
 hardware, 35, 59, 147, 151, 152,  
 159-60, 175, 184-6  
 limitations, 17  
 Hartt, F., 52  
 Harvard University, *see* Aga Khan  
 Program for Islamic Architecture
- Hausman, Julie, 50-6  
 Hautpoul, François, viii  
 Heusinger, Lutz, 1-20, 87  
 Honour, H. & Fleming, J.A., 52  
 Hourihane, Colum, 117-28  
 Hübl, Michael, 14  
 humidity  
 and computer problems, 45-6  
 and environmental monitoring,  
 180-1, 182-3, 186
- Huntley, Joan Sustik, 50
- IBM, 'Saxon Minster' Project, 86  
 ICONCLASS, 118, 120, 121-3, 126,  
 137-41  
 iconography, classification, 117-28  
 Ikonoteek system, 120, 126-7  
 Images System, 57-64  
 imaging, electronic, xiii, 25, 29, 30-47  
 accessibility, 33, 38, 45  
 analogue, 32-3, 34, 78, 78, 79,  
 106-7, 110  
 digital, 32-3, 36-41, 47, 63, 74,  
 76-96, 107, 110  
 description, 77-9, 78, 79  
 EDI, 35  
 limitations, 33-4, 39, 45, 78-9, 85-6  
 and monitoring of colour change,  
 105-15, 108, 109, 110-11, 112
- indexing, 19-20, 130-1, 165, 168-70,  
 172  
 controlled vocabulary, 64, 118-20,  
 125-6, 138, 161  
 free-language, 118-20, 138-9  
 subject, 136-41  
*see also* classification; videodisc
- industry, use of computers, 1  
 INFOtext, 53-4  
 innovation, neglect in art history, 76-7  
 insurance, portable computers, 193  
 inventories, 5, 6, 18-20
- Ireland, National Gallery  
 computerization, 154-63
- IRGMA (Information Retrieval Group  
 of the Museums Association),  
 130  
 issues, examination, 8  
 Italian Art, Catalogue of, 139  
 Ives, H.E., 30
- James, M.R., 202, 203  
 Jansen, Wim, 65-73  
 Janson, H.W., 52
- Kamisher, Lisa M., 57-64  
 Keveaney, Ray, 154-63  
 keywords system, 138, 176  
 Kirsch, Russell A., 8-10, 77  
 knowledge, impact of computers on, 75
- Leroquais, Abbé V., 203  
 libraries  
 computerization, 154-5  
 and use of portable computers, 194-5  
 Library of Congress subject headings,  
 126
- light  
 effect on artifacts, 181, 182-3, 186,  
 187  
 effect on pigments, 102-3  
 LightTable software, 61-3  
 location recording, viii, 167-9  
 Lyotard, Jean François, 75
- Machiavelli, Niccolo, 144  
 Macqueen, Mary, 179-88  
 maintenance  
 portable computers, 196  
 system, 147, 150-3  
 manipulation  
 of data, 175-6  
 of digital image, 80, 84  
 manuscripts, illuminated, 200-6  
 Marburg Foto Bildarchiv, 93, 122,  
 133-7, 140-1  
 Marr, D., 86, 96n  
 Mary Rose Trust, 179-88  
 Mason, W., 100  
 materials, teaching in distance learning,  
 66, 67
- Maxwell, James Clerk, 24  
 Mazzola, G., Krömker, D. and  
 Hofmann, G.R., 9  
 menu systems, 42, 55, 58-60, 62-3, 149,  
 169-70
- Metropolitan Museum of Art, New  
 York, 115

- Michael, Michael, 200-6  
 military use of computers, 1  
 MIT *see* Aga Khan Program for Islamic Architecture  
 MODES (Museum Object Data Entry System), 171-3  
 monitoring, 2, 7  
 monitoring, environmental, 179-88  
   computerized, 182-8  
   independent, 181  
   manual, 179, 182  
 Morelli, Giovanni, 87-8  
 'Morelli' project, 74, 80, 87-96, 90-1, 92  
 Morey, Charles Rufus, 127  
 Morrison, Ian, 164-73  
 mouse, use of, 59-60, 63, 72  
 movement, bodily notation, 8, 9  
 Müller, Werner, 8, 9  
 multi-user systems, 154, 156, 157  
 Musée d'Orsay project, 16, 35, 41-6, 77, 83, 115  
 Museum Documentation Association (MDA), 164-5, 169, 171-3
- National Gallery of Art, Washington, D.C., 16, 34, 53, 115  
 National Gallery, London, monitoring of colour change, 103-5  
 NET DRAMA, ix  
 Netherlands Open University, visual arts project, 33, 65-73  
 noise, of portable computers, 194
- object fetishism, 82-3  
 Ohlgren, Thomas, 117  
 ORACLE database, 17
- paintings, computing colours, 2, 38, 85, 115  
 PARIS software, viii  
 pattern recognition, 8  
 PC/FOCUS software, 59  
 perception  
   of indexer, 139-40  
   visual, 25-6, 38-9, 43, 45, 81-2  
 photography, 2, 3, 81-3  
   colour  
     accessibility, 30  
     history, 23-5  
     limitations, 25-30, 37, 47  
   electronic still camera, 25, 34-6  
   hybrid systems, 35  
 pigments, change in, 82, 84, 98-102  
   measuring, 103-5
- Pisa, Scuola Normale Superiore, 77  
 power protection units, 196  
 Princeton Index of Christian Art, 127  
 program design, 72-3
- Q & A software, 197-8
- reconstruction, 8, 10, 11, 84, 86  
 reflectance, anomalous, 27-8, 38  
 reflectography, infra-red, 115  
 reproduction  
   digitalized, 16, 80-3  
   transmission, 17  
   *see also* photography, colour  
 research, individual, and use of  
   computers, xi  
 restoration, 2, 84-5, 115  
 retrieval, xiii, 17, 72, 135, 137-9, 156, 157, 159-63, 170, 176  
   *see also* videodisc
- RILA (Répertoire internationale de la littérature de l'art), 141  
 RILIN (Research Libraries Information Network), viii  
 Roaf, Michael, 88  
 Rooth, Anna Brigitta, 126  
 Ruskin, John, 23
- SAMNA software, vii  
 Saunders, David, 84, 98-15  
 scanner, 2, 30-1, 36-8, 41-4  
 school national, 95-6  
 SCPIO database, viii  
 Scotland, Moray District cataloguing, 164-73  
 search, use of computers in, 55, 59-60, 94, 162
- Sedlmayr, Hans, 10  
 simulations  
   of objects, 9-10, 11-12  
   of situations, 67  
 Sistine chapel, restoration work, 2, 7  
 'sketch, primal', 86  
 Smithsonian National Museum of American Art, classification system, 120, 125-6, 136, 138  
 software, 53-4, 59, 61-2, 147-8, 150-2, 171-3, 175, 197-8  
   limitations, 17  
 spectrophotometry, 103-5, 104, 106, 107  
 spike protection, 196  
 stability  
   of digital image, 40-1, 79, 82, 84  
   of photographic image, 29

- STAIRS system, 17
- Stam, Deidre, viii
- STATUS system, 139, 175-6
- storage, xiii, 17
  - electronic images, 39-41, 43
  - image, 30
- style, individual, 95
- Sunderland, John, 130-42
- surge protection devices, 172, 196
- SYBASE database, 17
- television, high-definition (HDTV), 35, 39
- temperature
  - and computer problems, 147
  - and environmental monitoring, 182-3, 186
- thermohygrometers, 179, 181-2
- thesaurus, in classification, 120, 125-8, 137-8, 161
- Thoenes, Christof, 8-9, 11
- thought, impact of computers on, 75
- tonality, in digitization, 87, 95
- training, staff, 148-9, 152-3, 201
- transferability, of digital image, 79-80
- travel, with portable computers, 195
- ultra-violet radiation, effects on
  - pigment, 102, 103
- Vaughan, William, 74-96
- Vax computers, 160
- Venice, Soprintendenza ai Beni Artistici e Storici, 84
- vermilion, change in, 98, 101, 101-2
- Victoria & Albert Museum, London
  - classification systems, 125
  - computers in, vii-viii
- video, interactive, 65, 67-73
- video camera, 24-5
- videotapes, 33
- videodisc, 16, 33-5, 40-6
  - Dutch Open University Visual Arts Project, 65-73
  - generic, 69
  - Images System project, 57-64
  - indexing, 56, 58-9, 61, 63-4
  - retrieval, xiii, 50-6, 69-70, 72
  - self-testing, 70-2
- vision, theories of, 82, 86-7, 88, 95
- Waal, Henri Van der, 121, 140
- Warburg, A., 24
- warranty, portable computers, 196-7
- Weeg Computing Centre, Computer Assisted Instruction Laboratory, 50, 54
- Weizenbaum, Joseph, 1, 75
- window techniques, 39, 72
- Witt Computer Index, 122, 130-7, 140
- Wölflin, Heinrich, 81
- word processing, xiii, 75, 156, 160, 170
- WORM systems, 40
- Wright W.D., 103, 104
- Yale Center for British Art, 123
  - classification system, 120, 123, 124, 136, 138, 141