

Index

- AAMC (Association of American Medical Colleges), 131
- Academic library reference service, 73–101
- burnout and stress in, 83–84
 - changing management and managing changes in, 94–96
 - crises in, 74–87
 - evaluation of service and personnel, 92–94
 - funding and budgeting in, 77–79
 - future of, 99–102
 - general character of future, 97–99
 - impact of technology on, 79–83
 - questions of accuracy and quality in, 84–87
 - reshaping, 87–96
- Advisors, 65
- AIDS, 120, 126–127
- AIM-TWIX, 134
- Air quality, library indoor, *see* Library indoor air quality
- ALA Colloquium on Library Science in Romania, 206–207
- ALA Library Fellows to Romania, 207–208
- American Library Association, *see* ALA entries
- American Medical Informatics Association (AMIA), 154
- American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE), 222, 223, 224
- AMIA (American Medical Informatics Association), 154
- Anomalous state of knowledge (ASK), 39
- ASHRAE (American Society of Heating, Refrigeration, and Air Conditioning Engineers), 222, 223, 224
- ASK (anomalous state of knowledge), 39
- Association of American Medical Colleges (AAMC), 131
- Behavioralism, 27
- Belief fields, 3
- Bibliographic instruction, 57
- levels of, 66
- Bibliographic paradigm, 62–63
- Bibliographic sector, 10
- Bioaerosols, 219
- Book drives for Romania, international, 198–199
- U.S., 196–198
- Books for Romania (USA), 196–197
- Brandeis model, 89
- Breland, Anita, 208
- Bunge's criteria, 3–5
- CD-ROMs, 80
- Censorship in Romania, 193–194
- Chapman, Ronald, 208–209
- Charting intervention, 70
- Childhood socialization, 115
- Children
- information needs of, *see* Information needs of children
 - information-seeking behavior of, 114–115
- CIS (clinical information systems), 135–137
- Citation analyses, 23–24
- Climate control for library indoor air quality, 223–224
- Clinical information systems (CIS), 135–137
- Cognitive fields, 3
- Cognitive view of information science, 31–44
- Cognitive viewpoint, 32–34
- critique of, 43–44
- Cognitivism, 27
- Collaborators, 67–68
- Columbia Presbyterian Medical Center (CPMC) IAIMS site, 141

- COM (computer-output-microfiche) catalogs, 134
- Commissioning and library indoor air quality, 226–227
- Communication studies, information science and, 17–23
- Communication studies paradigm, 21
- Composing, 71
- Computer applications
in libraries, 133–134
of medicine, 135–138
- Computer-output-microfiche (COM) catalogs, 134
- Computer science, 13
- Constructive process, 58
- Continuing intervention, 68
- Convergence, models of, 18–19
- Conversations, 69–70
- Copy machines, 222
- Counselors, 66–67
- CPMC (Columbia Presbyterian Medical Center) IAIMS site, 141
- Crossover model, 18–19
- Customer-driven library service, 111
- Decision support systems (DSS), 142
- Design science, 46
information science as, within policy frame, 27–28
- Document retrieval system, 30
- Documentation, 7
defined, 8
- Domain of information science, 25–26
shaping, 44–47
- Drugs, 120–121
- Duke University Medical Center (DUMC), 144
- Environmental Protection Agency (EPA), 215
- Esteem needs, 120
- 55 percent rule, 85
- Fee-based contracts, 174
- FID (International Federation for Information and Documentation), 7
- Flow paradigm, 31
- Focus Group Method of self-study, 148
- Fulbright scholars to Romania, 208–209
- General Professional Education of the Physician (GPEP), 139–140
- Generalized library-based model for information science, 11
- Georgetown University IAIMS site, 141–142
- Government funding, library, 180–185
- GPEP (General Professional Education of the Physician), 139–140
- Health Evaluation through Logical Processing (HELP) system, 143
- Health services, information technology in, 133–138
- HELP (Health Evaluation through Logical Processing) system, 143
- Hermeneutics, 44–45
- Hospital information systems (HIS), 135–138
- Human communication, 17
- Humanities, 15
information science relation to, 15–16
- IAIMS, *see* Integrated Academic Information Management Systems program
- IAQ, library, *see* Library indoor air quality
- Identifiers, 65
- ILS (integrated library system), 143
- In-place curing, 226–227
- Indoor air quality, library, *see* Library indoor air quality
- Informatics, medical, 135
- Information
defined, 112
potential, 36
about sex, 122
structural definition of, 38
term, 23, 45
- Information highway, 131
- Information management systems planning, 131–156

- Information movement paradigm, 37
 variant of, 49–50
- Information needs of children, 111–128
 conceptualized, 112
 defined, 113
 definitions concerning, 112–113
 diagnosing, 114
 hierarchy of, 119–123
 identifiable barriers to meeting, 124
 implications in, 126–127
 methodology for collecting data on,
 117–119
 methods for determining, 113–114
 multiple providers for, 123
 research on, in southern California,
 115–126
 significant unmet, 123–124
- Information-quick reference service point, 89
- Information retrieval (IR), 15
- Information science, 2
 central conceptualizations of, 24–27
 cognitive view of, 31–44
 communication studies and, 17–23
 concerns for, 38
 conclusions about, 47–51
 content and scope of, 1–51
 definitional elements used in, 25–26
 as design science within policy frame,
 27–28
 domain of, *see* Domain of information science
 empirical relations of other disciplines
 and, 23–24
 as field distinct from library science, 7–8
 generalized library-based model for, 11
 institution and information movement
 paradigms in, 29–31
 relation of other sciences to, 12–24
 relation to humanities, 15–16
 relation to natural sciences, 12–15
 relation to social sciences, 16–17
 relationship between library science and,
 6–11
 subfields of, 40–41
 term, 9
 theoretical, 34
 as unifying concept, 8–11
- Information search process, 57
 collection in, 60
 common patterns in, 61–62
 as constructive process, 58
 counselors' role in, 66–67
 exploration in, 59
 formulation in, 59–60
 initiation of, 59
 misunderstanding of tasks in, 62
 model of, 58–60
 preparation to write at end of, 60
 selection for, 59
 students and, 57–72
- Information-seeking behavior of children,
 114–115
- Information storage and retrieval, 19
- Information studies paradigm, 21
- Information technology, 13
 in health services, 133–138
- Instruction model, 99–100
- Instructors, 66
- Integrated Academic Information
 Management Systems (AIMS)
 program, 132
 awards, 140
 awards and common elements, 143–144
 benefits from, 154–155
 changed to two-tiered program, 140
 changes to, 150
 defining success with, 152–155
 first four sites for, 141–143
 meetings under, 154
 National Library of Medicine and,
 138–140
 phases and awards, 138
 target outcome by, 147
 Tufts University planning grant, 145–147
- Integrated library system (ILS), 143
- Integrated model, 101
- International book drives for Romania,
 198–199
- International Federation for Information and
 Documentation (IFID), 7
- Internet, 173
- Intervention, 57
 charting, 70
 concept of diagnosing zones of, 63–64
 continuing, 68
 diagnostic chart, 65
 librarians and, 57–72
 zones of, 64–65
- IR (information retrieval), 15

- Knowledge
 anomalous state of (ASK), 39
 defined, 35
- Knowledge structure, 35
- Larsen, Patricia, 208, 209
- Lecturers, 66
- Librarians
 intervention and, 57–72
 public, 159
 U.S., in Romania, 206–209
- Librarianship
 defined, 7
 principles of, 7
 Romanian, United States and, 189–212
- Library
 academic, reference service, *see* Academic library reference service
 changing concept of, 96–97
 computer applications in, 133–134
 defined, 29
 and information science, *see* Information science
 public, funding, *see* Public library funding
 Romanian, overview of, 191–195
 word, 2
- Library automation, 170
- Library-based model for information science, generalized, 11
- Library expenditures, 78
- Library indoor air quality (IAQ)
 building design for, 221–223
 commissioning and, 226–227
 establishing baselines for, 230
 low emitting materials for, 225–226
 materials, furnishings, and appliances and, 229–230
 materials selection and specification for, 225
 microbial control in, 224–225
 occupants and their activities and, 228–229
 operations and maintenance for, 227–228
 planning and managing for, 215–234
 planning considerations checklists for, 231–233
 planning in existing buildings for, 227–230
 planning in new buildings for, 220–227
 preventive installation procedures for, 226
 problems with, 216
 remodeling and renovation for, 227
 selective sources of contaminants of, 218
 site selection for, 220–221
 sources of problems with, 216–220
 ventilation and climate control for, 223–224
- Library science
 defined, 7, 10
 as field distinct from information science, 7–8
 relationship between information science and, 6–11
- Library services, current paradigm for, 111
- Library services, principle of uncertainty for, 62–63
- Linguistic theory, 24
- LIS, *see* Information science
- Locators, 65
- Love and belonging needs, 120
- Low emitting materials for library indoor air quality, 225–226
- Macroevaluation, 93
- MARC records, 134
- Market-oriented library service, 111
- Marketing plans, library, 171–172
- Massachusetts General Hospital Utility Multi-Programming System (MUMPS), 136
- Matrix model of management, 95
- Mediation, levels of, 65–66
- Medical informatics, 135
- Medical Library Association (MLA), 154
- Medicine, computer applications of, 135–138
- MEDLINE (MEDLARS on-line), 134
- Metatheoretical frameworks, 4, 6
- Microbial control in library indoor air quality, 224–225
- Microevaluation, 93
- MLA (Medical Library Association), 154
- MUMPS (Massachusetts General Hospital Utility Multi-Programming System), 136

- National Information Infrastructure (NII), 165, 182
- National Institute of Occupational Safety and Health (NIOSH), 217, 219
- National Library of Medicine (NLM), 131–132
IAIMS program and, 138–140
- National Research and Education Network (NREN), 182
- Natural sciences, 4, 13
information science relation to, 12–15
- Networking, telecommunications, 169
- NII (National Information Infrastructure), 165, 182
- NIOSH (National Institute of Occupational Safety and Health), 217, 219
- NLM, *see* National Library of Medicine
- NREN (National Research and Education Network), 182
- Nutrition needs, 121
- Online public access catalogs (OPACs), 132
- Organizers, 65
- Orientation strategies, 4, 5–6, 32–33
as integrators of broadening field, 47–51
- Overlapping fields model, 18–19
- Paradigm, term, 29
- Paradigm shift model, 18–19
- Paraprofessionals at reference desk, 90–92
- Partners for Livable Places, 172–173
- Personal construct theory, 58
- Physiological needs, 120
- Planning considerations checklists for library indoor air quality, 231–233
- Policy frame of reference, 27
- Postmodern science, 46
- Potential information, 36
- Preventive installation procedures for library indoor air quality, 226
- Problematics, 4
- Process intervention strategies, 67–71
- Public librarians, 159
- Public library funding, 159–186
cost control in, 166–170
entrepreneurship in, 170–176
fees and fundraising for, 176–180
funding formats, 163–165
history of, 161–163
political action and, 180–185
- Reference, 57
- Reference desk
abolishment of, 88–90
paraprofessionals at, 90–92
- Reference providers, 75
- Reference service
academic library, *see* Academic library
reference service
model of, 74
- Research fields, 3
characteristics of, 3–5
- Retrieval system model, 49
- Retrieval tools, 79–80
- Romania
ALA Colloquium on Library Science in, 206–207
ALA Library Fellows to, 207–208
book drives for, *see* Book drives for Romania
Books for (USA), 196–197
censorship in, 193–194
Fulbright scholars to, 208–209
U.S. book drives for, 196–198
U.S. librarians, 206–209
- Romanian librarianship, United States and, 189–212
- Romanian libraries, 191–195
- Romanians studying in United States, 203–206
- Safety needs, 120
- SCAMCI (Symposium on Computer Applications in Medical Care), 154
- Sciences, 4
- Self-actualization needs, 120
- Sex, information about, 122
- Sick building syndrome (SBS), 216, 219, 222
- Social construction theory, 116–117
- Social sciences, 17
information science relation to, 16–17
- Socialization, childhood, 115

- Students, information search process and, 57–72
- Symposium on Computer Applications in Medical Care (SCAMCI), 154
- Systems viewpoint, 32
- Telecommunications networking, 169
- Text, 38
- Theoretical activity, types of, 5–6
- Theoretical information science, 34
- Theories, defining, 14
- Theory-dependent meanings of concepts, 36
- THSC (Tufts Health Science Campus), 145
- Total quality management (TQM), 166
- Tufts Health Science Campus (THSC), 145
- Tufts University IAIMS planning grant, 145–147
- Tufts University School of Medicine (TUSM), 145–147, 150–151
- Tutors, 66
- ULC (Urban Libraries Council), 168
- UMAB (University of Maryland at Baltimore) IAIMS site, 142–143
- Unit theories, 4
- United States
- book drives for Romania in, 196–198
 - Romanian librarianship and, 189–212
 - Romanians studying in, 203–206
- University of Maryland at Baltimore (UMAB) IAIMS site, 142–143
- University of Utah IAIMS site, 143
- Urban Libraries Council (ULC), 168
- User-centered services, 98
- Value-added services, 98
- Ventilation for library indoor air quality, 223–224
- Volatile organic compounds (VOCs), 217–218
- Zones of intervention, 64–65