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ABSTRACT

This Supplement lists 97 graduate programs in the U.S. and Canada that include education in information science for the academic year 1972-1973. It contains entries for programs in the first edition of the Directory, covering the 1971-72 academic year (ED 056 728), plus six new entries. The full name, address, and telephone number are given for each program. Complete entries are given only for programs which are new to the Directory, while others show only changes. For the purposes of this Directory, information science includes the following subjects: Library and information systems, library automation and networks, systems analysis, management information systems, information needs and uses, abstracting and indexing, advanced classification theory, non-traditional techniques of organizing knowledge, management of technical information centers, reprography, computational linguistics, man-machine interaction, and information theory. Examples of courses which were always included are linguistics, artificial intelligence, data management systems, information theory, and pattern recognition. Program-language and operating-systems courses are included if they are offered in library schools but not if they are in a computer science department. Courses in numerical analysis, theory of computation, data structures, and programming languages are not included. (Author/SJ)

ED 069310

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DIRECTORY

of

EDUCATIONAL PROGRAMS

in

INFORMATION SCIENCE

SUPPLEMENT

1972-1973

Edited by

Andrea Burgard

ERIC Clearinghouse on Library and Information Sciences
1140 Connecticut Avenue, N.W., Suite 804
Washington, D.C. 20036

Special Interest Group on Education for Information Science (SIG/ES) of the American Society for Information Science

Education Committee of the
American Society for Information Science

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AMERICAN SOCIETY FOR INFORMATION SCIENCE
Washington, D.C.
1972

ED 008 977

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AMERICAN SOCIETY FOR INFORMATION SCIENCE
1140 Connecticut Avenue, N.W., Suite 804
Washington, D.C. 20036

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INTRODUCTION

This Supplement lists 97 graduate-level academic programs in the United States and Canada that include education in information science for the academic year 1972-1973. It contains entries for all the programs listed in the first edition of the Directory (covering the 1971-1972 academic year; published 1971 by the American Society for Information Science), plus six new entries. The full name, address, and telephone number are given for each program. Complete entries are given only for programs which are new to the Directory, while others show only changes.

Revisions for the various categories of information for each program are treated in three ways: (1) complete revision; (2) partial revision; and (3) no revision.

Complete Revision. Information in the following categories is listed if there is any change whatsoever: (a) Director of Program; (b) Degrees (specif. titles of new degrees offered); (c) Faculty (additions, deletions, revisions of data); (d) Information Science Courses (additions, deletions, revisions of data); and (e) Computer Facilities (additions, deletions, revisions of data).

Partial Revision. Information in the following categories is given only if changes are major or significant (the entire description is repeated, with the changes): (a) Description of Program (e.g. a major change in emphasis of the program, such as previously hardware-oriented computer science department becoming more involved with library applications); (b) Degree Requirements (listed under Degrees; e.g. changes in foreign language and thesis requirements, or change of 3 or more hours in number of credit hours required); (c) Admission Requirements (e.g. changes in G.R.E. score or language requirements); and (d) Financial Aid (e.g. changes greater than $500 in the value of assistantships, or significant changes in the number of assistanships or fellowships).

No Revision. Information in the following categories is not given, regardless of change (these were omitted in the interest of economy and with the belief that such details are frequently subject to change, and may be obtained directly from the school in question): Employment Preparation; Students Specializing in Information Science; Institutes and Short Courses; Research Opportunities for Students; and Tuition and Fees.

The guidelines used to select faculty and courses for inclusion were slightly different from those used in the first edition. No faculty member or course which was listed before was omitted because they fell outside these guidelines. However, new faculty and courses were only included if they fell within them. Some examples of courses which were always included are linguistics, artificial intelligence, data management systems, information theory, and pattern recognition. Program-language and operating-systems courses are included if they are offered in library schools, because they are usually taught in the context of information science applications. Such courses are not included if given in a computer science department, because such applications are rarely included. Other courses (such as numerical analysis, theory of computation, data structures, and programming languages) are never included. These are thought of as "tool courses" which are not necessarily related to information science.

ASIS Headquarters maintains a current collection of information science course descriptions, catalogs, syllabi, reading lists, program outlines, and other descriptive material concerning education for information science. These materials can be examined at ASIS, 1140 Connecticut Avenue, N.W., Suite 804, Washington, D.C. 20036; telephone: 202/659-3644. More detailed and up-to-date information can be obtained directly from the schools.

ASIS wishes to thank the chairmen, deans, and directors of departments and programs for their cooperation in the preparation of materials included in this Supplement. Special thanks are due the Biological Sciences Communication Project of The George Washington University (especially Lois Payn) for preparing the Supplement for printing.

UNIVERSITY OF ALBERTA
DEPARTMENT OF COMPUTING SCIENCE
Edmonton, Alberta, Canada
(403)432-5198

Director of Program: Professor H.S. Heaps (see faculty list below)

Description of Program: The department offers students an option in information science within a regular computing science curriculum that covers computer design, programming languages, numerical analysis, and adaptive systems. All students take core courses in computing science. Emphasis has been placed on integrated library automation, large-scale retrospective searches, interrelationship of national policies and network design and information science education, automated classification, computer-assisted style analysis and representation of scientific and technical style, and computer-assisted determination of indexing languages and on-line thesauri.

Degrees:
M.Sc.: Three full years of graduate-level work.
Ph.D.: Three full years past the master's degree.

Faculty:
Heaps, H.S.: Professor; M.A. in Mathematics, Toronto.
Heaps, Doreen M.: Assistant Professor; M.A. in English and History, University of British Columbia.
Heyworth, J.: Information Scientist ("Professional Officer); B.A., University of Alberta.

Students Specializing in Information Science: 82 enrolled in B.L.S. program, 20 in M.L.S., 6 in Ph.D.

Information Science Courses:
CMPUT 591 Information Storage and Retrieval I H.S. Heaps, D.M. Heaps
CMPUT 592 Information Storage and Retrieval II H.S. Heaps, D.M. Heaps
CMPUT 670 Coding and Storage in Information Retrieval H.S. Heaps
CMPUT 671 Classification Problems in Information Retrieval D.M. Heaps

Institutes and Short Courses: Workshops are arranged with Extension Department or professional societies as required.

Research Opportunities for Students: Federal and provincial government research grants and contracts, cooperative programs with government and industry, practical experience with cooperating institutions.

Computer Facilities: IBM 360/67, IBM CAI 1500, CDC Graphical Display, PDP 9, and various other small machines.

Admission Requirements:
M.Sc.: adequate bachelor's degree or equivalent
Ph.D.: adequate master's degree or equivalent
Foreign Students: as above, plus competency in English.

Tuition and Fees: $500-$750 per year.

Financial Aid: various assistantships, scholarships, fellowships, grants and awards, some ranging from $3,000 to $5,000.

UNIVERSITY OF ALBERTA
SCHOOL OF LIBRARY SCIENCE
320 Rutherford Library
Edmonton 7, Alberta, Canada
(403)432-4140

Information Science Courses:
add
LIB S 511 History and Theory of Cataloging (3) Sp
LIB S 513 Abstracting and Indexing (3) Sp Bertram
LIB S 541 Development of Library Systems and Networks (3) F staff
revise
LIB S 418 Automation and Libraries (formerly LIB S 409)
LIB S 512 History and Theory of Classification and Subject Analysis (formerly LIB S 437 History and Theory of Classification and Cataloging)

Computer Facilities:
add IBM 360/40; IBM 1800; IBM 1500 (CAI)
delete CAI 1500

THE AMERICAN UNIVERSITY
CENTER FOR TECHNOLOGY AND ADMINISTRATION
Massachusetts and Nebraska Avenues, N.W.
Washington, D.C. 20016
(202)686-2513

Degrees:
Doctoral Programs: Offered in collaboration with the School of Government and Public Administration. Requirements are specified by the collaborating school. Ph.D. in Chemical Information Systems offered jointly with the Department of Chemistry.

Faculty:
add
Sager, Martha C.; Director, Environmental Systems Management Program; M.S., Maryland; Ph.D., Catholic University.
delete
Fassberg, Harold E.
Weeks, David C.

Information Science Courses: (credit in semester hours)
add
55.335 Computer Programming–PL/1 (no graduate credit)
55.512 Introduction to Cybernetics (3)
55.665 Workshop in Management Information Systems (3)
delete
55.655 Automated Library Systems
revise
55.530 Real-Time Systems (formerly Automatic Data Processing Systems)
55.632 Simulation and Modeling (formerly Advanced Computer Applications)

Computer Facilities:
revise IBM 370/145 with timesharing (formerly IBM 360/40 with timesharing)

AUBURN UNIVERSITY
DEPARTMENT OF EDUCATIONAL MEDIA
3402 Haley Center
Auburn, Alabama 36830
(205)826-4420

Description of Program: Programs lead to the Master of Education, Master of Science, and Specialist in Education degrees. All students entering at the master's degree level should possess a recognized bachelor's degree and a minimum of twelve hours in media. The program is designed to build competencies in media development and interaction of human behavior, learning systems and learning environment, professionalism, planning and evaluation management, and research. The program incorporates aspects of librarianship, instructional technology, and curriculum product development.

Faculty:
delete
Miles, Louise W.
Sheppard, Allan N.

AUBURN UNIVERSITY
ELECTRICAL ENGINEERING DEPARTMENT
207 Dunstan Hall
Auburn, Alabama 36830
(205)826-4330

NO CHANGES

AUBURN UNIVERSITY
DEPARTMENT OF INDUSTRIAL ENGINEERING
Auburn, Alabama 36830
(205)826-4340

Faculty:
add
Brown, David Bruce; Assistant Professor; M.S., Montana State, 1967; Ph.D. in Industrial Engineering, Texas Tech., 1969.
revise
Herring, Bruce E.; Assistant Professor; M.S.M.E., New Mexico State, 1963; Ph.D. in Industrial Engineering, Oklahoma State, 1972.
Trueks, Louis B.; Assistant Professor; M.S.I.E., Pittsburgh, 1951.

BRADLEY UNIVERSITY
COMPUTER SCIENCE DEPARTMENT
Peoria, Illinois 61606
(309)676-7611, ext. 372

Faculty:
add
Beecue, Barbara; Instructor; M.A. Illinois.
revise
Huang, Jin-Si; Assistant Professor; M.S. in Mathematics, Virginia.

Financial Aid: Assistantships, scholarships.

UNIVERSITY OF BRITISH COLUMBIA
SCHOOL OF LIBRARIANSHIP
Vancouver 8, British Columbia, Canada
(604)228-2404

NO CHANGES

UNIVERSITY OF CALIFORNIA, BERKELEY
ELECTRICAL ENGINEERING & COMPUTER SCIENCES DEPARTMENT
Room 231, Cory Hall
Berkeley, California 94720
(415)642-0253

Director of Program: Thomas E. Everhart, Chairman, Electrical Engineering and Computer Sciences Department.

Description of Program: The program covers a broad spectrum of areas centering on both the hardware and software aspects of computer systems. On the theoretical side, the main subject areas are: theory of languages, automata theory, theory of algorithms, complexity theory, combinatorics, and artificial intelligence. Application areas include: information organization and retrieval, system modeling, pattern recognition, robotics, mathematical programming, and computer graphics. Computer systems are covered in courses and seminars on computer architecture, logical design, data structures, memories, operating systems, programming languages, time-sharing, and modular systems.

Employment Preparation: Computer design, both hardware and software, systems programming, management information systems, computer-aided design, control systems, data transmission, large-scale systems modeling and optimization.

Degrees:
M.S.: 36 quarter units, thesis or project required.
M. Engr.: 60 quarter units, project required.
Ph.D.: examinations and research dissertation.
Dr. Engr.: examinations and design dissertation.

Faculty:
Baskin, Herbert B.; Professor; M.S., Syracuse, 1959; system organization, computer graphics.
Blum, Manuel; Associate Professor; Ph.D., M.I.T., 1964; artificial intelligence, pattern recognition, computer sciences.
Gill, Arthur; Professor; Ph.D., California (Berkeley), 1959; systems, automata theory, computers.
Hoffman, Lance J.; Assistant Professor; Ph.D., Stanford, 1970; acess control and privacy, social implications, information retrieval.
Maurer, Ward Douglas; Assistant Professor; Ph.D., California (Berkeley), 1965; programming, computer sciences.
Wong, Eugene; Professor; Ph.D., Princeton, 1959; stochastic processes, pattern classification.
Zadeh, Lofti A.; Professor; Ph.D., Columbia, 1939; computer and system sciences.

Information Science Courses:
EECS 256 Computer Graphics (3) Baskin
EECS 290M Pattern Recognition (2) Wong
EECS 2900 Security and Privacy in Computer Systems (3) Hoffman
EECS 290T Symbol Manipulation and Artificial Intelligence (2)
EECS 290Z Topics in Automata Theory and Languages (3) Zadeh

Research Opportunities for Students: Numerous research projects in the area.

Admission Requirements: Normal University of California requirements for admission to graduate standing.

Tuition and Fees: $233 per quarter for residents; $733 for non-residents; $741 for foreign students.

Financial Aid: Fellowships, teaching and research assistantships.

UNIVERSITY OF CALIFORNIA, BERKELEY
SCHOOL OF LIBRARIANSHIP
118 South Hall
Berkeley, California 94720
(415)642-1464

Degrees:
M.L.S.: 42 quarter units including course 250; thesis not required.
D.L.S.: no specific unit or course requirements; six quarters in residence required.
Ph.D.: no specific unit or course requirements; six quarters in residence required.

Faculty:
add
Bourne, Charles P.; Professor of Librarianship in Residence; M.S.I.E., Stanford, 1963.
delete
Humphrey, Allan J.

Information Science Courses: (credit in quarter hours)
add
208 Library User Studies (3) F Rosenberg
271 Interlibrary Cooperation and Information Networks (3) Sp Swank
277 Bibliographic Records in Machine Form (3) Su Sherman
296A Economics of Information (3) F M. Cooper
296A Social and Personal Implications of Infonnation Technology (3) W Maron
delete
296A Interlibrary Cooperation and Information Networks

Computer Facilities:
delete IBM 360/40

UNIVERSITY OF CALIFORNIA AT LOS ANGELES
COMPUTER SCIENCE DEPARTMENT
Room 3731K Boelter Hall
Los Angeles, California 90024
(213)825-2212

NO FURTHER INFORMATION RECEIVED

UNIVERSITY OF CALIFORNIA AT LOS ANGELES
GRADUATE SCHOOL OF LIBRARY SERVICE
405 Hilgard Avenue
Los Angeles, California 90024
(213)825-4351

Degrees:
M.S. in Information Science (Documentation): The courses and number of courses required will depend upon the previous relevant study and experience of the student. There is no rigid course or credit hour requirement. A reading knowledge of one modern foreign language (preferably French, German, Russian) is required. The student must maintain a gradepoint average of at least 3.0 in all courses undertaken in the University of California following the bachelor's degree. Thesis required.
Certificate of Specialization in Library Science in the Field of Systems Analysis and Information: Post-M.L.S. level. See above for requirements.

Admission Requirements:
M.S. in Information Science (Documentation): A bachelor's or graduate degree in one of the physical or biological sciences, the social sciences, business administration (management), engineering or mathematics or the M.L.S. degree is preferred. Applicants with degrees in the humanities, arts, or in other professional fields will be considered if their study has included courses in the physical or biological sciences and mathematics. The minimum acceptable combined (verbal and quantitative) G.R.E. score is 900; this requirement will be waived only if the applicant's upper division or postbaccalaureate grade point average is 3.25 or higher. The minimum acceptable combined score is 1000 for applicants whose latest undergraduate or postbaccalaureate study was completed earlier than five years prior to admission. Applicants whose upper division or postbaccalaureate grade point average is slightly below 3.0 and who achieve a combined G.R.E. score of 1200 or higher will be considered for probationary admission. The study of mathematics through calculus is required. Applicants who have, in addition, studied statistics will be given a preference in admission.

UNIVERSITY OF CALIFORNIA AT LOS ANGELES
GRADUATE TRAINING PROGRAM IN MEDICAL LIBRARIANSHIP
Biomedical Library
Center for the Health Sciences
Los Angeles, California 90024
(213)825-5781

NO CHANGES

CALIFORNIA STATE UNIVERSITY, SACRAMENTO (formerly Sacramento State College)
SCHOOL OF BUSINESS ADMINISTRATION
6000 J Street
Sacramento, California 95819
(916)454-6350

Faculty:
add
Christenson, Edward A.: M.S. Engineering. University of California, Davis, 1959.
vanGigch, John; M.E. Electrical Engineering. McGill University, 1956; M.B.A., University of Western Ontario, 1958; Ph.D. in Industrial Engineering, Oregon State University, 1968.
revise
Carr, Donald E.; M.S. in Agricultural Business Management, University of California, Davis, 1963.
Freedman, Donald A.; M.B.A., Michigan, 1955; Ph.D. in Quantitative Methods, U.C.L.A., 1969.

Financial Aid: Graduate assistantships with stipends up to $2,300 may be available to qualified applicants.

CASE WESTERN RESERVE UNIVERSITY
SCHOOL OF LIBRARY SCIENCE
University Circle
Cleveland, Ohio 44106
(216)368-3500

Faculty:
delete
Hazelton, Robert S.
Shera, Jesse H.

Information Science Courses:
delete
674 Self-Organizing Systems

THE CATHOLIC UNIVERSITY OF AMERICA
DEPARTMENT OF LIBRARY SCIENCE
Washington, D.C. 20017
(202)635-5085,6,7

Director of Program: Dr. Elizabeth W. Stone (see faculty list below)

Description of Program: The purpose of the department is to prepare men and women for careers as professional librarians in school, college, university, seminary, public, governmental and special libraries.

Employment Preparation: Library positions of all types.

Degrees:
M.S.L.S.: 36 hours of courses and a comprehensive examination.

Faculty:
Buckley, Casper; Lecturer (part-time); L.L.B., George Washington, 1937.
Janaske, Paul Carlyle; Lecturer (part-time); M.S. Columbia, 1949.
Kortendick, Rev. James J., S.S.; Professor; M.A., St. Mary's Seminary, 1934; M.A., Ph.D., Catholic U., 1944.
Lamkin, Burton; Lecturer (part-time); M.A. in Library Science, Denver, 1957.
Speer, Jack; Lecturer (part-time); M.L.S., Kansas State Teachers College, 1967.
Stone, Elizabeth W.; Professor and Chairman; M.A., Stanford, 1938; M.S.L.S., Catholic U., 1961; Ph.D., American U.; 1968.
Thomas, Sarah; Lecturer (part-time); M.L.S., Carnegie, 1961.
Witty, Francis J.; M.A. in Latin, M.S.L.S., Ph.D. in Philosophy, Catholic U., 1955, 1956, 1966.

Students Specializing in Information Science: figures not available.

Information Science Courses:
716 Indexing and Abstracting (2) F Witty
717 Introduction to Library Data Processing (2) F, Su Speer
726 Information Sources and Services–Science and Technology F, Su Janaske
736 Special Librarianship (2) S Thomas
739 Library Systems Analysis (2) S Lamkin
749 Audio-Visual Materials and Services in the Media Center (2) F, Su Gehring
763 Library Automation (2) Becker
817 Application of Computer Technology to Library Processes (3) S Becker
836 The Governmental Library Simulation for the Study of Administration of a Special Library (3) F Thomas

Institutes and Short Courses: There is an active continuing education program.

6 Catholic

Research Opportunities for Students: There is a Practicum Program for students without previous library experience.

Computer Facilities: PDP-10

Admission Requirements:
M.S.L.S.: A bachelor's degree with a 3.0 average, G.R.E.
Foreign Students: Financial resources of approximately $4,000 per year. B average in college subjects, 500 or higher on T.O.E.F.L.

Tuition and Fees: full-time, $2,300 per academic year; part-time, $90 per semester hour.

Financial Aid: A limited number of scholarships, six assistantships, loans.

UNIVERSITY OF CHICAGO
COMMITTEE ON INFORMATION SCIENCES
5640 S. Ellis Avenue
Chicago, Illinois 60637
(312)753-8762

NO CHANGES

UNIVERSITY OF CHICAGO
GRADUATE LIBRARY SCHOOL
Chicago, Illinois 60637
(312) 753-3480

NO FURTHER INFORMATION RECEIVED

COLUMBIA UNIVERSITY
SCHOOL OF LIBRARY SERVICE
516 Butler Library
New York, New York 10027
(212)280-2292

Faculty:
delete
Harris, Jessica L.

CORNELL UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE
Upson Hall
Ithaca, New York 14850
(607)256-2369

Faculty:
add
Bunch, James R.; Assistant Professor; Ph.D., California at Berkeley, 1969; numerical analysis.
Constable, Robert L.; Assistant Professor; Ph.D., Wisconsin; computational complexity.
Dennis, John E., Jr.; Associate Professor; Ph.D., Utah; numerical analysis.
Hartmanis, Juris; Professor and Chairman; Ph.D., Cal. Tech., 1955; theory of automata.
Hopcroft, John E.; Associate Professor; Ph.D., Stanford, 1964; 1964; theory of automata, formal languages.
Moré, Jorge J.; Assistant Professor; Ph.D., Maryland, 1970; numerical analysis.
Tarjan, Robert E.; Assistant Professor; Ph.D., Stanford, 1971; theory of algorithms.

DALHOUSIE UNIVERSITY
SCHOOL OF LIBRARY SERVICE
Halifax, Nova Scotia, Canada
(902)424-3656/7/8/9

Director of Program: Norman Horrocks, Acting Director; Ph.D., Pittsburgh, 1971.

Faculty:
add
Ilug, Abdul; Assistant Professor: Ph.D. in Library and Information Science, Pittsburgh, 1970.
Matthews, Fred; Associate Professor: Ph.D. in Physical Chemistry, McGill, 1941.
delete
Damtoft, Finn
Oxley, John Howard

UNIVERSITY OF DAYTON
GRADUATE PROGRAM IN INFORMATION SCIENCE
Department of Psychology
Dayton, Ohio 45409
(513)229-4116

PROGRAM DISCONTINUED

UNIVERSITY OF DENVER
GRADUATE SCHOOL OF LIBRARIANSHIP
University Park
Denver, Colorado 80210
(303)753-2557

Faculty:
add
Heer, Philipp R.; Assistant Professor of Library Science; M.L.S. in Library Science and Information Retrieval, Brigham Young University.
May, James H.; Director of Center for Communication and Information Research; M.B.A., Harvard University Graduate School of Business Administration.
Stueart, Robert D.; Associate Professor and Assistant to the Dean; M.S. in Library Science, Louisiana State.
delete
Svenonius, Elaine F.

DREXEL UNIVERSITY
GRADUATE SCHOOL OF LIBRARY SCIENCE
Philadelphia, Pennsylvania 19104
(215)387-2400

Faculty:
delete
Ramey, James
revise
Flood, Barbara; Assistant Professor; Ed.D. in Educational Psychology, Temple, 1971.

EAST CAROLINA UNIVERSITY
DEPARTMENT OF LIBRARY SCIENCE
Greenville, North Carolina 27834
(919)758-6621

NO CHANGES

EMORY UNIVERSITY
DIVISION OF LIBRARIANSHIP
Atlanta, Georgia 30322
(404)377-2411, ext. 7671

NO CHANGES

FLORIDA STATE UNIVERSITY
SCHOOL OF LIBRARY SCIENCE
Tallahassee, Florida 32306
(904)599-2130

Information Science Courses:
delete
LIS 526 Advanced Classification and Cataloging

GEORGE PEABODY COLLEGE FOR TEACHERS
SCHOOL OF LIBRARY SCIENCE
21st Avenue
Nashville, Tennessee 37203
(615)327-8037

Faculty:

add

Rothacker, J. Michael: Assistant Professor of Library Science: M.A. (L.S.), Indiana University.

Whitlock, James W.: Professor of Education: Ed.D., George Peabody College for Teachers.

revise

Clouse, R. Wilburn: Director of information science specialty: Director of Computer Center Operations and Assistant Professor: M.A., Middle Tennessee State.

Information Science Courses:

delete

380 Audio-Visual Library Media

GEORGIA INSTITUTE OF TECHNOLOGY
SCHOOL OF INFORMATION AND COMPUTER SCIENCE
225 North Avenue
Atlanta, Georgia 30332
(404)894-3152/3/4

Description of Program:

(added paragraph)

In association with the Emory University School of Medicine, the school also offers graduate programs in biomedical information and computer science, leading to the degrees of Master of Science in Information and Computer Science, and Doctor of Philosophy. The Master of Science program emphasizes the engineering design of advanced information processing applications and systems in health care and biomedicine. The doctoral program stresses coursework and dissertation research in biomedical information and computer science.

Faculty:

add

Siegmann, Robert M.; Assistant Professor: M.S. in Mathematics, University of South Carolina, 1960; Ph.D. in Information and Computer Science, Georgia Tech., 1971; information and computer systems, graph theory.

Windeknecht, Thomas G.; Professor; M.S.E. in Electrical Engineering, Michigan, 1959; Ph.D. in Systems Science, Case, 1964; mathematical theory of general systems, general dynamic processes, modelling and social systems and processes.

revise

Goda, J.J., Jr.: Assistant Professor: B.S. in Chemical Engineering, M.S. in Chemical Engineering, Massachusetts, 1960, 1965; programming systems and languages, numeric applications of computing.

Gough, James, Jr.; Professor: A.M. in Linguistics, Ph.D. in Linguistics, Harvard, 1953, 1965; semiotics and linguistics, models of grammar.

Grosky, William I.; Assistant Professor; M.S. in Applied Mathematics, Brown, 1968; Ph.D. in Engineering and Applied Science, Yale, 1971; mathematical logic.

Gwynn, John M., Jr.: Assistant Professor; M.A., Ph.D. in Mathematics, North Carolina, 1959, 1968; automata theory, theory of computer languages.

Siegman, Philip J.; Associate Professor: M.A., Ph.D. in Psychology, Ohio State, 1951, 1954; behavioral aspects of information processes and systems, learning theory.

Slamecka, Vladimir; Director and Professor: M.S. in Library Science, D.L.S., Columbia, 1958, 1962; information processes and systems, public information systems.

Zunde, Pranas: Associate Professor: M.S. in Applied Science, George Washington U., 1965; Ph.D. in Industrial Engineering, Georgia Tech., 1968; systems theory, theory of information processes and systems, information processes.

Information Science Courses: (credit in quarter hours)

add

ICS 407 Data Management Systems (3)
ICS 409 Introduction to Mathematical Linguistics (3)
ICS 411 Artificial Intelligence and Heuristics (3)
ICS 415 The Literature of Science and Engineering (3) W
ICS 432 Data Communications (3)
ICS 433 Basic ADP Systems Design (3)
ICS 437 Science Information Systems (3)
ICS 438 Health Information Processing (3)
ICS 446 Formal Semantics (3)
ICS 453 Information Storage and Retrieval (3)
ICS 481 Introduction to Information Processes I (3)
ICS 482 Introduction to Information Processes II (3)
ICS 490 Selected Topics in Information and Computer Science
ICS 625 Cybernetics (3) Sp
ICS 632 Equipment of Information Systems

Financial Aid: A few fellowships, traineeships, and teaching/research assistantships are available.

HARVARD UNIVERSITY
DIVISION OF ENGINEERING AND APPLIED PHYSICS
CENTER FOR RESEARCH IN COMPUTING TECHNOLOGY
Pierce Hall
Cambridge, Massachusetts 02138
(617)495-3989

Faculty:
add
Woods, William A.; Lecturer on Computer Science; computational linguistics, artificial intelligence, information retrieval.
delete
Standish, Thomas A.

Information Science Courses:
add
Engineering Sciences 119 Introduction to Decision and Control (half course) F Fiering
revise
Applied Mathematics 110 Introduction to Computer Programming (formerly Engineering Sciences 110)
Applied Mathematics 112 Introduction to Digital Computers (formerly Engineering Sciences 112)
Applied Mathematics 113 Introduction to Programming Languages (formerly Engineering Sciences 113)

UNIVERSITY OF HOUSTON
COMPUTER SCIENCE DEPARTMENT
2 Library
Houston, Texas 77004
(713)749-4791

Faculty:
add
Rhyne, James; Assistant Professor; Ph.D. in Computer Science, Texas, 1972; programming systems, mathematical linguistics.
delete
Plummer, Robert P.
Walker, Terry M.

Financial Aid: 10 teaching fellowships, 4 research assistantships.

UNIVERSITY OF ILLINOIS
GRADUATE SCHOOL OF LIBRARY SCIENCE
329 Library
Urbana, Illinois 61801
(217)333-3281

Admission Requirements:
M.S.: Bachelor's degree from an accredited institution; grade point average of at least 3.50 on a 5.0 scale; undergraduate major of 24 semester hours in a field other than library science; submission of G.R.E. scores.
Certificate of Advanced Study: M.S.L.S. from an accredited library school; two years of full-time library work experience since receipt of fifth-year library science degree; a graduate grade point average of 4.0 on a 5.0 scale; submission of G.R.E. scores.
D.L.S. and Ph.D.: no changes
Foreign Students: Above plus a T.O.E.F.L. score of 585 or over, extensive experience in using English, library work experience or successful completion of introductory courses.

Financial Aid: Fellowships, tuition and fee waivers and graduate assistantships are available, including 10-15 assistantships for members of minority groups, and 10 traineeships in the biomedical program.

ILLINOIS INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE
Chicago, Illinois 60616
(312) 225-9600, ext. 1212

NO FURTHER INFORMATION RECEIVED

ILLINOIS INSTITUTE OF TECHNOLOGY
SCIENCE INFORMATION PROGRAM
Life Science Building
Chicago, Illinois 60616
(312)225-9600, ext. 1252, 2151

Faculty
add
Schipma, Peter B.: Adjunct Assistant Professor of Science Information: M.S., Science Information, Illinois Institute of Technology, 1967.
delete
Stiff, Ronald
revise
Locke, David M.: Assistant Professor of Science Information: M.S. in Organic Chemistry, Ph.D., Illinois at Urbana, 1953, 1954.

Information Science Courses:
add
SI 534 Literature of Modern Science (3) Sp
SI 538 Introduction to Publishing and Printing (1) Sp
SI 551 Medical Information Systems Analysis (4) F
SI 561 Management and Operation of Information Centers (3) Sp
SI 585 Projects in Bio-Medical Information Storage and Retrieval Systems (4) Sp
delete
Introduction to Linguistics
Systems Analysis and Management
revise
SI 537 Visual and Audio-visual Materials (2) (formerly unnumbered, Audio-Visual Aids)
SI 541 Information Storage and Retrieval (2) (formerly unnumbered)
SI 542 Library Automation (1) (formerly unnumbered)

INDIANA UNIVERSITY
GRADUATE LIBRARY SCHOOL
Bloomington, Indiana 47401
(812)337-2848

NO CHANGES

UNIVERSITY OF IOWA
DEPARTMENT OF COMPUTER SCIENCE
111 MacLean Hall
Iowa City, Iowa 52240
(319)353-5266

Director of Program: Dr. Gerard P. Weeg, Chairman (see faculty list below).

Description of Program: The primary emphasis in this program is on theoretical aspects, with secondary emphasis on current techniques and applications.

Degrees:
M.S. in Computer Science: 30 semester hours, including 22C:122, 22C:123, 22C:135, 22C:193, and 6 hours of mathematics or statistics; thesis optional.
Ph.D. in Computer Science: 90 semester hours beyond the B.A.; dissertation.

Faculty:
Alton, Donald A.: Assistant Professor, Computer Science: Ph.D., Comell, 1970; computational complexity, recursion theory, automata theory.
Baron, Robert J.: Assistant Professor, Computer Science: M.S., Ph.D., Cornell, 1965, 1968; neural information and pattern processing, learning and adaptive systems, natural language.
Dolch, John Parker: Associate Professor, Education: Professor, Computer Science: Head, Computer Research: M.M., North Texas State, 1948; M.A., Ph.D., Iowa; 1951, 1953; heuristic programming.
Fleck, Arthur: Associate Professor, Computer Science: M.A., Ph.D., Michigan State, 1960, 1964; automata theory, programming languages, formal linguistics.
McClain, Donald H.: Assistant Professor, Computer Science; M.S., Ph.D., Iowa State, 1967, 1970; computer-assisted instruction, simulation, programming languages.
Mukhopadhyay, Amar: Associate Professor, Computer Science: M.Sc. (Tech), Ph.D., Calcutta, 1959, 1963; computer systems, switching theory, cellular theory, graph theory, automata theory.
Towster, Edwin: Assistant Professor, Computer Science: M.S., Ph.D., Wisconsin, 1966, 1970; artificial intelligence, concept formation, structured programming.
Weeg, Gerard P.: Professor and Head, Computer Science: Director, Computer Center: M.S., Oklahoma A. & M., 1950; Ph.D., Iowa State, 1955; automata theory, recursive functions, numerical analysis, graph theory.

Students Specializing in Information Science: 41 full-time and 6 part-time master's students; 23 doctoral students.

Information Science Courses: (credit in semester hours)
22C:201 Algebraic Automata Theory (3) Sp Costich
22C:245 Artificial Intelligence II (3) Sp Dolch
22C:257 Formal Languages (3) F Baron
22C:295 Seminar on Artificial Intelligence F Baron
22C:297 Seminar on Automata

Research Opportunities for Students: There are research positions and various research grants in the University Computer Center and the Department of Computer Science.

Computer Facilities: IBM 360/65

Admission Requirements:
M.S. and Ph.D. in Computer Science: Applicants are subject to the general rules of the Graduate College.

Tuition and Fees: $355 per semester, resident; $600, nonresident

Financial Aid: Teaching and research assistantships; University teaching-research fellowships.

THE UNIVERSITY OF IOWA
SCHOOL OF LIBRARY SCIENCE
202 Jessup Hall
Iowa City, Iowa 52240
(319)353-3650

Faculty:
add
Orgren, Carl F.; Assistant Professor; A.M.L.S., Michigan, 1962; M.A. in English, University of Detroit, 1966; Ph.D. in Library Science, Michigan, 1971.
delete
Hiland, Leah F.

IOWA STATE UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE
227 Computer Science Building
Ames, Iowa 50010
(515) 294-4377

NO FURTHER INFORMATION RECEIVED

KANSAS STATE UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE
Fairchild Hall
Manhattan, Kansas 66502
(913)532-6350

Director of Program: Dr. Paul S. Fisher; Head

Faculty:
delete
Trump, Thomas N.
Weinberg, Roger
revise
Brewer, Richard K.; Assistant Professor of Computer Science; M.S., Ph.D., Wisconsin, 1964, 1972; computational linguistics, information retrieval.
Calhoun, Myron A.; Assistant Professor of Computer Science; M.S., Colorado State, 1964; Ph.D., Arizona State, 1967; hardware design, programming of computer system software.
Fisher, Paul S.; Assistant Professor and Head of Computer Science; M.S., Utah, 1964; Ph.D., Arizona State, 1969; automata theory, programming languages.
Sinclovec, Richard F.; Assistant Professor of Computer Science; M.S., Ph.D., Iowa State, 1967, 1968.

Information Science Courses: (credit in semester hours)
revise
286 525 Computer Organization and Programming II (formerly Introduction to Information Structures)

KENT STATE UNIVERSITY
SCHOOL OF LIBRARY SCIENCE
Kent, Ohio 44242
(216)672-2782

NO CHANGES

UNIVERSITY OF KENTUCKY
COLLEGE OF LIBRARY SCIENCE
4th floor of Patterson Office
Lexington, Kentucky 40506
(606)257-2734

NO CHANGES

LEHIGH UNIVERSITY
GRADUATE PROGRAM IN INFORMATION SCIENCE
Division of Information Science, Department of Philosophy
Bethlehem, Pennsylvania 18015
(215) 691-7000, ext. 631

Director of Program: Professor Donald J. Hillman, Chairman

Description of Program: The rate of change in information technology demands that the practitioner, in order to participate in and contribute to existing and developing systems, be thoroughly grounded in the conceptual fundamentals of his field. To this goal, the M.S. and Ph.D. degree programs offered by the Division of Information Science are designed to fulfill several objectives. Each program provides a broad base of both theory and application. Emphasis is on fundamentals, rather than techniques. Basic to the program of information science at Lehigh is the concept that research and instruction reinforce each other. Consequently, whenever possible, students are expected to participate in research and operations on a part-time basis.

Three core areas are at the heart of the M.S. program: information processing systems; information retrieval theory; and analysis of information. Beyond this basic core, student schedules are planned on an individual basis to fit previous academic experience and career goals. Two opinions are open for specialization: Systems, emphasizing the integration of machine and human capabilities and techniques; and Foundations, dealing with the theoretical and systematic consideration of information systems and processes.

The Ph.D. in Information Science covers such diverse topics as mathematical logic, information systems, command and control systems computer programming, computer languages, control systems, computer programming, computer languages, systems analysis, operations research, computational linguistics, probability theory, statistics and statistical inference, switching theory, graph theory, algebra, topology, automata theory, and artificial intelligence. A candidate for the Ph.D. degree is required to submit a general plan to the chairman at the beginning of the first year of doctoral studies. This plan must be approved by the candidate's special committee at the time of his admission to candidacy. The candidate's program will then be based on the approved plan of original and specialized research.

Employment Preparation: Information technologists; information system specialists; information scientists.

Degrees:

M.S. in Information Science: Total 24 credit hours beyond the bachelor's level, plus thesis (6 hours). The student's particular program is planned on an individual basis.

Ph.D. in Information Science: No formal credit hour requirements exist; in practice, 30-40 credit hours beyond the master's level, plus dissertation work to a total of 60 hours.

Faculty:

Barnes, Robert F., Jr.; Associate Professor of Philosophy; Ph.D. in Logic and the Methodology of Science, California, 1966.

Green, James Sproat, V; Assistant Professor of Information Science; Ph.D. in Information Science, Lehigh, 1969.

Hillman, Donald John; Chairman, Department of Philosophy; Director, Center for Information Science; Professor of Philosophy; M. Litt., Cambridge, 1962.

Kasarda, Andrew J.; Associate Director, Center for Information Science; Associate Professor of Information Science; Ph.D. in Information Science, Lehigh, 1968.

O'Connor, John J.; Research Associate Professor of Philosophy; Ph.D. in Philosophy, Columbia, 1952.

Rubenstein, Herbert; Associate Director for Research, Center for Information Science; Professor of Philosophy; Ph.D. in Linguistics, Columbia, 1949.

Stern, Louis W.; Assistant Professor of Philosophy; Ph.D. in Mathematics, Lehigh, 1970.

Students Specializing in Information Science: 15-20 full-time students (including 6-8 doctoral candidates).

Information Science Courses:

IS 301 Descriptive Linguistics
IS 302 Psycholinguistics
IS 306 Statistical Linguistics
IS 321 Introduction to Information Methodology

IS 350 Applications of Non-Numerical Automata
IS 361 Theory of Formal Grammars
IS 362 Computer Languages
IS 373 Mathematical Methods in Information Science
IS 374 Information Retrieval Theory
IS 379 Introduction to Library Organization
IS 380 Library Automation
IS 390 Readings in Information Science
IS 402 Seminar in Psycholinguistics
IS 418 Special Topics in Linguistics
IS 422 Analysis of Information Systems
IS 431 Subject Document Retrieval
IS 432 ALP-aided Document Retrieval
Subject document retrieval aided by automatic language processing (ALP).
IS 433 Design of Executive Systems
IS 434 Document Retrieval Evaluation
IS 442 Evaluation Models
IS 462 Retrieval Languages
The study of formal indexing and retrieval languages.
IS 464 Mathematical Models in Linguistics
IS 475 Retrieval Structures
Advanced study of the application of mathematics and logic to the problems of retrieval system design and implementation.
IS 480 Sentence Syntax
IS 481 Thesis (Master's degree)
IS 482 Thesis (Master's degree)
IS 492 Special Topics in Information Science

Research Opportunities for Students: The Division of Information Science has ongoing programs of research and development in a number of fields, and offers opportunities for well-qualified students to participate in sponsored research projects.

Computer Facilities: CDC 6400, with associated peripheral equipment, including display consoles to facilitate user-system interaction.

Admission Requirements: No formal requirements, other than a bachelor's degree, exist. Desirable preparation consists of at least 12 hours of mathematics, including 9 hours of differential and integral calculus and one course beyond the calculus. (In recognition of the flexibility and cross-disciplinary nature of the subject, students with training in a systematic science may be accepted without requiring additional work.) A course in Computer programming, or else programming experience, is also desirable. (Mathematics 105—Computer Programming, is available, without graduate credit, for those without computer background.)

Tuition and Fees: $1287.50 per Semester or $108 per credit hour, whichever amount is lower.

Financial Aid: A number of scholarships (covering total or partial tuition) and fellowships (tuition with an additional stipend) are awarded by the University. In addition, research assistantships are available to qualified graduate students who assist with certain sponsored research projects.

LONG ISLAND UNIVERSITY
PALMER GRADUATE LIBRARY SCHOOL
C.W. Post Center
Greenvale, New York 11548
(516)299-2855

NO CHANGES

UNIVERSITY OF MARYLAND
COMPUTER SCIENCE CENTER
College Park, Maryland 20742
(301)454-4259

Faculty:
add
Mills, David L.; Assistant Professor; Ph.D. in Computer and Communication Sciences, Michigan, 1971; computer systems and architecture.

Information Science Courses:
add
CMSC 838 Topics: Pattern Recognition
CMSC 838 Topics: Data Communications
CMSC 838 Topics: Question-Answering Systems
delete
CMSC 640 Computability and Automata
CMSC 740 Automata Theory
CMSC 840 Advanced Automata Theory

revise
CMSC 400 Introduction to Computer Languages and Systems (no graduate credit), (formerly CMSC 314)

Computer Facilities
add PDP-8

UNIVERSITY OF MARYLAND
SCHOOL OF LIBRARY AND INFORMATION SERVICES
College Park, Maryland 20742
(301)454-5441

Degrees:
M.L.S. with Information Science Option: 36 hours, of which 9 hours are required of all master's candidates: LBSC 600, 610, and 642. If the information science option is selected, LBSC 700, 727, 737, and 859D must be taken. A thesis is not required.
Ph.D. in Library and Information Services: 60 course hours, including a course in research methods and 2 courses in statistics; one year of research on dissertation.

Faculty:
add
Bates, Marcia J.; Assistant Professor; M.L.S., California (Berkeley), 1967.
LaHood, Charles G., Jr.; Lecturer; M.S.L.S., Catholic U., 1956.
Reynolds, Michael M.; Professor; M.S.L.S., Columbia, 1952; M.A. in Public Administration, American U., 1953; Ph.D., Michigan, 1964.
Soergel, Dagobert; Associate Professor; M.S. in Mathematics, Ph.D. in Political Science, Freiburg, 1964, 1970.
Travis, Irene L.; Lecturer; M.L.S., California (Berkeley), 1966.
Wasserman, Paul; Professor; M.S.L.S., M.S. in Economics, Columbia, 1949, 1950; Ph.D., Michigan, 1960.
delete
King, Donald W.
Korotkin, Arthur L.
revise
Costabile, Salvatore L.; Lecturer (part-time); M.S.L.S., Catholic U., 1963.

Information Science Courses: (credit in semester hours)
add
LBSC 647 Special Problems in the Organization of Knowledge (3) Bates, Travis, Wellisch
LBSC 852 Seminar in Research Methods and Data Analysis (3) Kidd
LBSC 736 Advanced Organization and Administration of Libraries and Information Services (3) Wasserman
delete
LBSC 859A Data Processing Workshop in Library Applications
revise
LBSC 721 Topics in Information Science (formerly LBSC 737)
LBSC 726 Seminar in Information Transfer (formerly LBSC 837)
LBSC 859H Library Operations Research (formerly LBSC 859C)

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
ELECTRICAL ENGINEERING DEPARTMENT
77 Massachusetts Avenue
Cambridge, Massachusetts 02139
(617)864-6900, ext. 6021

NO CHANGES

McGILL UNIVERSITY
GRADUATE SCHOOL OF LIBRARY SCIENCE
3459 McTavish Street
Montreal 112, Canada
(514)392-5947

Director of Program: Dr. Violet L. Coughlin (see faculty list below).

Description of Program: The intention of the program is to develop a perception of the function of libraries in society and the role of the librarian, and to equip the graduate with administrative and professional ability. Within this general program the information science element is directed towards information resources, information handling techniques, and information systems management. On the whole the program is library-oriented but there is some systems orientation and an increasing proportion of theoretical orientation, particularly in the areas of mathematics, logic, and applied epistemology.

Employment Preparation: operational and management positions in information services and libraries.

Degrees:
M.L.S.: 30 hours of required courses and 21 hours of electives are required. Required courses are: Introduction to Librarianship; Selection and Use of Books and Related Materials; Reference Materials and Methods; Organization of Materials; Administration; Introduction to Data Processing; and Research Methods. Research paper required.

Faculty:
Batty, C. David: Professor: Fellow of the Library Association, U.K., 1963.
Clement, Enid: Professor: M.L.S., McGill, 1969.
Coughlin, Violet L.: Professor: M.A. in Adult Education, D.L.S., Columbia, 1958, 1966.
Dolan, Elizabeth: Professor; M.L.S., McGill, 1967.
Hall, Mary: Professor: M.L.S., McGill, 1965.

Students Specializing in Information Science: 147 students enrolled.

Information Science Courses:
405-607a and 405-608b Organization of Materials (6) Clement
405-610b Introduction to Data Processing (2) Batty
405-611b Research Methods (1) Hall
405-631b Systems Analysis (3) Batty
405-632a Library Applications of Data Processing I (3) Batty
405-633b Library Applications of Data Processing II (3) Batty
405-634a Problems and Developments in Cataloguing and Classification (3) Batty
405-637b Scientific and Technical Literature (3) Batty, Dolan
405-652a Communications Studies and Libraries (3) Batty

Research Opportunities for Students: research assistantships, practical training in libraries and information centers, independent research projects in information science in satisfaction of degree requirements.

Computer Facilities: University facilities available.

Admission Requirements: B.A. or B.S. from an approved university; grade average of B from U.S. or 65% from Canada; a language other than English.

Tuition and Fees: first year, $652.00; second year, $312.00; transfer students entering second year, $652.00.

Financial Aid: 5 scholarships ranging from $100.00 to $640.00 annually.

UNIVERSITY OF MICHIGAN
DEPARTMENT OF COMPUTER AND COMMUNICATION SCIENCES
4028 Literature, Science & Arts Bldg., State Street
Ann Arbor, Michigan 48104
(313)764-8504

Director of Program: Dr. Bruce W. Arden (see faculty list below).

Faculty:
revise
Arden, Bruce W.: Chairman of the Department and Professor of Computer & Communication Sciences; Associate Director of the Computing Center; M.A. in Mathematics, 1955; Ph.D. in Electrical Engineering, 1965.
Friedman, Joyce B.: Professor of Computer & Communication Sciences; M.S. in Management Science, 1960; M.S. in Communication Sciences, 1962; Ph.D. in Communication Sciences, 1965.
Holland, John H.: Professor of Computer & Communication Sciences; Associate Director of the Logic of Computer Group; M.A. in Mathematics, 1964; Ph.D. in Communication Sciences, 1959.

UNIVERSITY OF MICHIGAN
DEPARTMENT OF INDUSTRIAL ENGINEERING
Room 231 W. Engineering Building
Ann Arbor, Michigan 48104
(313) 764-6474

NO FURTHER INFORMATION RECEIVED

UNIVERSITY OF MICHIGAN
SCHOOL OF LIBRARY SCIENCE
Ann Arbor, Michigan 48104
(313)764-9376

Faculty:
add
Huckaby, Sara S.: Assistant Professor; M.S. in Library Science, Case Western Reserve, 1968.
Kruzas, Anthony T.: Professor; A.M.L.S., Ph.D. in Library Science, Michigan, 1961, 1960.
Lee, Sul H.: Visiting Associate Professor; M.A. in International Law, Toledo, 1964; A.M.L.S., Michigan, 1966.
Lynch, Mary Jo: Assistant Professor; A.M.L.S., Michigan, 1962; M.A. in English, Detroit, 1966.

Rice, Stevens: Adjunct Professor; A.M. in English, Michigan, 1938.
Stavens, Thomas P.: Associate Professor; M.A. in Library Science, Minnesota, 1962; Ph.D. in Library Science, Michigan, 1965.
Whitbeck, George W.: Assistant Professor; M.S. in Library Science, M.A. in History, Columbia, 1959, 1962; Ph.D. in Library Science, Rutgers, 1970.

Information Science Courses: (credit in semester hours)
add
L.S. 645 Reprographic Techniques and Materials (2) W Rice
L.S. 650 Documentation of Scientific Literature (2) W Davis, Kruzas
L.S. 865 Seminar in Information Science (2) W Davis

Computer Facilities:
revise IBM 360/67. Time-sharing terminals are located in the School of Library Science. (formerly one terminal)

Admission Requirements:
A.M.L.S.: Possession of a bachelor's degree from an approved college or university; a grade point average of at least 3.0 on a 4.0 scale; at least 90 credit hours in liberal arts (deficiencies can be made up).
Ph.D.: Possession of the A.M.L.S. from the University of Michigan or an equivalent degree from another library school accredited by the American Library Association; a superior graduate record (at least half A, and a minimum grade point average of 6.5, with B plus valued at 6 and A minus at 7).
Foreign Students: Applicants will be admitted only if their score on the English Language Institute test is high enough to permit them to carry a full course load. Foreign students can meet the admission requirements for the doctoral program if they have a degree equivalent to the A.M.L.S. from an approved foreign institution.

UNIVERSITY OF MINNESOTA
DEPARTMENT OF COMPUTER AND INFORMATION SCIENCE

114 Main Engineering
University of Minnesota
Minneapolis, Minnesota 55455
(612) 373-0132

Director of Program: J.B. Rosen; Professor and Head; Ph.D. Columbia.

Description of Program: The program has as its objectives the training of students in the technological and intellectual roles of modern computing and the education of research workers in computer and information science and research. The student can structure a variety of programs, ranging from those which are highly interdisciplinary in nature to those which concentrate heavily in certain core areas of computer science.

Employment Preparation: Operational and research roles in computer and information science.

Degrees:
Master's Degree: There are two plans for earning a master's degree. A student may complete 27 credit hours of course work and write a thesis, or complete 45 hours of course work, including one to three papers for courses taken as a part of the program. In either case a final written examination is required.
Ph.D.: No fixed number of credit hours of coursework is required. A written qualifying exam at the level of the master's final is normally taken in the fourth quarter of residence. The student must also pass a preliminary oral exam covering his proposed thesis area. An acceptable dissertation is required.

Faculty:
Ackerman, Eugene: Progessor of Laboratory Medicine and Director of Health Sciences Computer Center; Ph.D., Wisconsin: biomedical applications.
Davis, Gordon B.: Professor of Management Sciences: Ph.D., Stanford; management information systems.
Hanson, Allen: Assistant Professor; Cornell: artificial intelligence, pattern recognition.
Ibarra, Oscar H.: Assistant Professor; Ph.D., U. of California at Berkeley: automata theory, formal languages.
Nicholson, Peter: Assistant Professor; Ph.D., Stanford; operations research, computers in society.

Students Specializing in Information Science: 40 full-time and 30 part-time master's students; 20 full-time and 10 part-time doctoral students.

Information Science Courses: (credit in quarter hours)
5400 Introduction to Automata Theory (4) F
5401 Introduction to Formal Languages (4) W
5501 Artificial Intelligence and Heuristic Programming (4) F
8799 Seminar: Information Science (1-3)

Research Opportunities for Students: Information not available.

Computer Facilities: Two CDC 6600's: one batch, and one interactive; CDC 3300, CDC 1700, Digigraphics terminal, two EAI analog computers, Nova with disc in department.

Admission Requirements: Undergraduate academic record, G.R.E. scores, experience, maturity, and motivation.

Tuition and Fees: $225 per quarter, residents.

Financial Aid: There are various kinds of assistantships, traineeships and associateships which pay from $2,000 to $4,000 per year. Corporate Associate Fellowships are available.

UNIVERSITY OF MINNESOTA
LIBRARY SCHOOL
3 Walter Library
Minneapolis, Minnesota 55455
(612)373-3100

NO CHANGES

UNIVERSITY OF MISSOURI AT COLUMBIA
SCHOOL OF LIBRARY AND INFORMATIONAL SCIENCE
109 Stewart Hall
Columbia, Missouri 65201
(314)449-9320

Director of Program: Ralph H. Parker, Acting Chairman

Faculty:
delete
Sargent, Charles W.
revise
Miller, Edward; Assistant Professor; M.A.L.S., Ph.D. in Industrial Engineering, Oklahoma, 1965, 1972.

Information Science Courses:
add
IS 301 Introduction to Information Science
IS 302 Information Systems I
IS 330 Computer Organization I: Design Fundamentals
IS 401 Library Information Systems
IS 410 Seminar in Information Science
IS 412 Information Storage and Retrieval
IS 413 Abstracting and Indexing

UNIVERSITY OF MISSOURI AT ROLLA
COMPUTER SCIENCE DEPARTMENT
325 Math-Computer Science
Rolla, Missouri 65401
(314)341-4491

Faculty:
add
Lewis, T.G.; Ph.D., Washington State, 1971; computer systems, social and biological applications.
delete
Dearth, D.W.
Tucker, A.B.
revise
Alcorn, H.R.; M.S., Missouri at Rolla, 1964; computer systems, programming languages.

Information Science Courses: (credit in semester hours)
add
CSc 353 Abstract Structures (3) S
CSc 470 Game Theory and Applications (3) F
delete
CSc 430 Formal Languages and Syntax
CSc 433 The Structure of Compilers for Algorithmic Languages
CSc 447 Artificial Intelligence and Pattern Recognition
CSc 465 Integer Programming and Network Flows

UNIVERSITE DE MONTREAL
ECOLE DE BIBLIOTHECONOMIE
C.P. 6128
Montreal 101, Quebec, Canada
(514)343-6044

Description of Program: This is the only French-language library science program accredited by the American Library Association. A limited program of courses in information science, oriented toward the basic needs of French Canadian libraries, is offered.

Degree:
Maitrise en bibliothéconomie: This is a two-year program, requiring 48 semester hours coursework. There are 24 hours of required courses. The remaining 24 hours are chosen from optional courses to form an area of specialization, for example, information science. Thesis is optional.

Faculty:
delete
Aird, M. Jacques
revise
Courrier, Yves-G.; Professeur adjoint; L. ès L., M. ès L., Paris-Nanterre, 1967, 1968; Diplôme supérieur de bibliothécaire, France, 1969.

Information Science Courses: (credit in semester hours)
add
BIBL 681 Seminaire en science de l'information (3) Courrier
delete
BIBL 675 Moyens de communication sociale et bibliothèque
revise
BIBL 645 Techniques documentaires (formerly Sciences de l'information)

UNIVERSITY OF NEVADA
Reno, Nevada 89507
(702)784-6773

Director of Program: Professor Robert Tompson, Chairman, President's Computer Science Committee.

Description of Program: An interdisciplinary Information and Computing Sciences (INCOS) program leading to the M.S. degree was approved in 1971 by the Board of Regents. It is planned to begin the program in Fall 1973 pending approval of the budget. Applications for graduate study under this program are not being taken at the present time. Students who in the meantime wish to pursue graduate study at the master's level with an emphasis in the computing area should correspond directly with the Department of Mathematics or the Department of Electrical Engineering as appropriate to their interest and background. The formal computing offerings are currently limited, and it should be noted that departmental requirements for admission and study will have to be satisfied.

CITY UNIVERSITY OF NEW YORK
CENTER FOR THE ADVANCEMENT OF LIBRARY-INFORMATION SCIENCE
City University Graduate Division
33 West 42nd Street
New York, New York 10036
(212)790-4413

Degrees: Not presently a degree program; courses are at post-master's level.

Faculty:
add
Beshers, James M.; Professor; Ph.C. in Sociology, North Carolina, 1957.
Brenman, Edwin: Adjunct Professor; B.S. in Mathematics and Education, City College, 1933.
Brook, Barry S.; Professor; Docteur de l'Université in Musicology, Paris, 1959.
Ferentz, Melvin; Professor; Ph.C. in Physics, Penn., 1953.
Helm, Carl; Professor; Ph.D. in Psychology, Princeton, 1959.
Herschman, Arthur; Adjunct Professor, Ph.D. in Physics, Yale, 1954.
Holsinger, Alden; Lecturer; Ph.D. candidate, N.Y.U.
Kayel, Robert G.; Assistant Professor; Ph.D. in Mathematics, Stevens, 1970.
King, Kenneth; Professor; Ph.D. in Physics, Columbia, 1962.
Leyland, George; Adjunct Associate Professor; M.B.A., Harvard, 1969.
Rubin, Norman; Lecturer; Ph.D. candidate, N.Y.U.
Sloan, Nathan; Adjunct Professor; C.P.A. and L.L.M., N.Y.U., 1966.
Zeitlin, Lawrence R.; Professor; Ph.D. in Psychology, Northwestern, 1954.
revise
Bradley, William; Lecturer; B.B.A., Manhattan, 1963.
Fisher, Stanley; Lecturer; M.S. in Social Group Work, Columbia, 1953.

Information Science Courses: (credit in semester hours)
add
Content Analysis (2) Sessions
Information Systems in Physics and Chemistry (2) Herschman
Information Center Management (2) Brenner
Accounting Concepts for Library-Information Science (2) Sloan, N.
Computer Systems Installations (2) Brenman
Introduction to PL/1 (2) Sloan, L.
PL/1 Workshop (2) Rubin
Advanced PL/1 (2) Rubin
Introduction to Library Automation (2) Sloan, L.

Information Organization and Retrieval (2) Kayel
Data Base Management (2) Ferentz
Basic Mathematics for Library-Information Science (2) Sloan, L.
Mathematical Tools for Library-Information Science (2) Sloan, L.
Introduction to Operations Research (2) Fisher, Holsinger

CITY UNIVERSITY OF NEW YORK, QUEENS COLLEGE
LIBRARY SCIENCE DEPARTMENT
65-30 Kissena Boulevard
Flushing, New York 11367
(212)445-7500, ext. 696

Faculty
add
D'Elia, George P.M.: Assistant Professor: Ph.D. candidate, Rutgers.
Gelfand, Morris A.: Professor: Ph.D. in Higher Education. New York. 1960.
Harris, Jessiea Lee: Assistant Professor: M.S., D.L.S., Columbia, 1965, 1969.
Mirwis, Allan N.: Assistant Professor; Ph.D. candidate. Indiana.
delete
Chicorel, Marietta
McCurdy, Charles R.

Information Science Courses: (credit in semester hours)
add
790D Introduction to Information Science (3) F Harris

STATE UNIVERSITY OF NEW YORK AT ALBANY
SCHOOL OF LIBRARY AND INFORMATION SCIENCE
1400 Washington Avenue
Albany, New York 12203
(518)457-8575

Faculty:
add
Ashton, Jonathan R.: M.A.L.S., Ph.D., Wisconsin, 1944, 1952.
Prentice, Ann; M.L.S., SUNY at Albany, 1965: D.L.S., Columbia. 1972
delete
Aronson, Ruth
Egan, Mary Joan

STATE UNIVERSITY OF NEW YORK AT BUFFALO
SCHOOL OF INFORMATION AND LIBRARY STUDIES
Buffalo, New York 14214
(716)831-3835

Information Science Courses: (credit in semester hours)
add
LI563 Statistical Research Methods for Information & Library Science (3) F O'Neill
delete
LI531 Sight, Sound and Society
LI543 Basic Media Creativity
LI544 Media Methods and Equipment
LI545 Television and Videotape Workshop

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
DEPARTMENT OF COMPUTER SCIENCE
New West Hall
Chapel Hill, North Carolina 27514
(919)933-2148

Description of Program: A computer science curriculum.

Faculty:
add
Danziger, Erwin M.; Lecturer and Director of Administrative Data Processing Systems: M.B.A., North Carolina; business data processing.
Foley, James D.; Assistant Professor; Ph.D., Michigan; queueing, simulation, and probability applied to computer systems analysis and design, graphics, and computer architecture.
Wallace, Victor L.: Associate Professor; Ph.D., Michigan; stochastic modeling of computer systems and networks, computer-aided design, graphics languages and systems, numerical queueing theory, system theory.

revise

Brooks, Frederick P., Jr.: Professor and Chairman; Ph.D., Harvard; programming systems, graphics, computer architecture, computer-assisted instruction, natural language programming.

Calingaert, Peter: Professor; Ph.D., Harvard; computer-assisted instruction, programming languages, computer architecture.

Dillon, Martin: Assistant Professor; Ph.D., SUNY Buffalo; computational linguistics, natural language analysis, information systems.

Elder, Howard A.: Assistant Professor; Ph.D., Cornell; systems programming.

Mago, Gyula A.: Assistant Professor; Ph.D., Cambridge; switching and automata theory, logical design.

Pizer, Stephen M.: Associate Professor; Ph.D., Harvard; medical applications of computers, picture processing on computers and relation to human picture perception, applied mathematics.

Stanat, Donald F.: Assistant Professor; Ph.D., Michigan; theory of automata, formal languages, pattern recognition.

Weiss, Stephen F.: Assistant Professor; Ph.D., Cornell; information storage and retrieval, automatic analysis of natural language.

Information Science Courses: (credit in semester hours)

add

118 Data Processing Techniques (3) F, Sp Weiss, Stana;
135 Data Processing and File Management (4) Sp Danziger, Foley
217X Introduction to Computer Use in Business (no graduate credit) F, Sp
218X Introduction to Computer Use in Social Science (no graduate credit) F, Sp

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
SCHOOL OF LIBRARY SCIENCE

Manning Hall
Chapel Hill, North Carolina 27514
(919)933-8366/7

Director of Program: Edward G. Holley; Dean of the School of Library Science; M.A. in L.S., George Peabody, 1951; Ph.D. in L.S., Illinois, 1961.

NORTHERN ILLINOIS UNIVERSITY
DEPARTMENT OF LIBRARY SCIENCE

DeKalb, Illinois 60115
(815)753-1735

Director of Program: Dr. Lewis F. Stieg, Chairman of Department

Faculty:

add

Carlson, Albert: Assistant Professor of Library Science; M.S.L.S., Kentucky, 1965.

delete

Walther, LaVern A.

Information Science Courses:

add

502 Introduction to Information Science (3)

Computer Facilities: University has IBM 360/67 with related equipment.

OHIO STATE UNIVERSITY
DEPARTMENT OF COMPUTER AND INFORMATION SCIENCE

Caldwell Laboratory
2024 Neil Avenue
Columbus, Ohio 43210
(614)422-5973

Degrees:

M.S. in Computer and Information Science: 53-58 quarter hours, of which 29 are requirements. No language requirement, thesis optional. Each student specializes in one of five options: theoretical foundations in computer and information science; information systems; computer systems; numerical analysis; or operations research. A core program of 9 hours is required for all options. In addition, each student will be held responsible on a Comprehensive Examination for any four of the following courses (20 hours): Human Performance, Numberical Analysis, Digital Computer Programming III, Digital Computer Organization, Introduction to Linguistics, Modern Methods of Information Storage and Retrieval.

Ph.D. in Computer and Information Science: Minimum, 135 hours of graduate study. The first stage is complete with the master's degree and a superior score on the comprehensive exam. The second stage is entered upon completion of stage one, and upon demonstration of research capability, and is completed by 90 quarter hours of research and course work, a dictionary reading knowledge of one modern foreign language, passing of the General Examination, and admission to candidacy. The third stage, after admission to candidacy, is devoted primarily to research and seminars, the preparation of the dissertation, and the (oral) Final Examination.

Faculty:

add

Rothstein, Jerome; Professor of Computer and Information Science and Professor of Biophysics; A.M., Columbia; informational problems in science, methodology, biocybernetics.

Saltzer, Charles; Professor of Computer and Information Science and Professor of Mathematics; Ph.D., Brown; coding theory, numerical analysis, automata theory.

revise

DeLutis, Thomas G.; Assistant Professor of Computer and Information Science; Ph.D., Purdue, 1972; design and evaluation of information systems, systems programming.

Lazorick, Gerald J.; Associate Professor of Computer and Information Science and Associate Professor of Library Administration; Director, Mechanized Information Center; Ph.D., S.U.N.Y. at Buffalo, 1971; information storage and retrieval, library systems design and analysis.

Reeker, Larry H.; Assistant Professor of Computer and Information Science and Assistant Professor of Linguistics; Ph.D., Carnegie-Mellon, 1972; infinite automata, formal language theory, foundations of linguistic theory, acquisition of language by children.

Yovits, Marshall C.; Chairman of Department of Computer and Information Science; Professor of Computer and Information Science and Professor of Electrical Engineering; Director, CIS Research Center; Ph.D., Yale; information systems theory of the flow of information, self-organizing systems.

Information Science Courses: (credit in quarter hours)

add

643 Linear Optimization Techniques in Information Processing (5) F
705 Introduction to Computer and Information Science (5) F, Sp
706 Information Theory in Behavioral Science (3) F
735 Statistical Methods in Pattern Recognition (5) Sp
788.11 Formal Languages (1-5) Su, F, W, Sp
788.13 Biological Information Processing (1-5) Su, F, W, Sp
812 Computer and Information Science Research Methods (4) Sp
852 Design and Analysis of Information Systems Simulations (3) Sp
888.11 Formal Languages (1-5) Su, F, W, Sp
888.12 Management Information Systems (1-5) Su, F, W, Sp
888.13 Biological Information Processing (1-5) Su, F, W, Sp
888.14 Socio-Psychological Aspects of Information Processing (1-5) Su, F, W, Sp

delete

725 Basic Concepts of Self-Organizing Systems
761 Selected Topics in the Mathematics of Information Handling II

revise

620 Human Performance (fonnerly Engineering Psychology)
641 Computer Systems Programming I (formerly Digital Computer Programming III)
752 Techniques for Simulation of Information Systems (formerly Analysis and Synthesis of Information Systems)
806 Cellular Automata and Models of Complex Systems (formerly Information Theory and Models of Natural Complex Systems)
816 Human Performance Theory (formerly Advanced Engineering Psychology)
835 Special Topics in Pattern Recognition (formerly Pattern Recognition)

Computer Facilities:

add DEC PDP-10, terminal linked to 370/165
revise IBM 370/165 (formerly 360/75)

Admission Requirements:

M.S.: A baccalaureate or professional degree from an accredited college or university; at least a 2.7 grade point average (on a 4.0 base) for all previous academic work; evidence that the applicant is able to pursue graduate work; academic credit or equivalent experience for 2 courses in digital computer programming, to include an introduction to assembly language programming; mathematics through the calculus; and 10 additional quarter hours of mathematics or computer and information science. These requirements may, at the discretion of the Graduate Committe be relaxed for otherwise exceptionally qualified students.

Ph.D.: Only students who have demonstrated outstanding scholastic ability in their beginning graduate work as well as clearly demonstrated research capbility will be admitted.

Foreign Students: In addition to the above, the T.O.E.F.L. is required, unless the student is a citizen of England, Canada, or Australia, or has received a degree from a university within the United States.

UNIVERSITY OF OKLAHOMA
GRADUATE PROGRAM IN INFORMATION AND COMPUTING SCIENCES
905 Asp Avenue, Room 152
Norman, Oklahoma 73069
(405)325-3866

Director of Program: Payne, James A., Chairman (see faculty list)

Description of Program: The University offers interdisciplinary graduate programs in computing sciences and systems studies related to computer applications. Present areas of research include modeling, simulation, artificial intelligence, physiological processes, urban systems, medical and legal information systems, approximation theory, and mathematical linguistics.

Faculty:
add
Andree, Richard V.; Professor, Information and Computing Sciences, and Mathematics; Ph.D., Wiseonsin; abstract algebra, matrix theory, numerical analysis, computer-related mathematics, programming analysis.
delete
Mohler, Ronald R.
Sweeney, James A.

UNIVERSITY OF OREGON
SCHOOL OF LIBRARIANSHIP
Eugene, Oregon 97403
(503)686-3183

Degrees:
M.L.S.: 54 quarter hours total. Required courses: Organization of Library Materials; Reference Sources and Services; Selection and Acquisition of Library Materials; Library Organization and Administration; Contemporary Issues in Librarianship. Thesis not required.
Ph.D. with Minor in Librarianship: Degree requirements controlled by major department concerned.

Faculty:
delete
Feller, Caroline J.

Information Science Courses: (credit in quarter hours)
add
Lib 514 Information Storage and Retrieval (3) W Berk
Lib 535 The Special Library and Information Center (3) Su Berk
Lib 590 Machine Applications to Librarianship (3) Sp Berk
delete
Lib 445 Library and Audiovisual Materials
Lib 507 Seminar: Information Transfer
Lib 572 Library Automation

UNIVERSITY OF PENNSYLVANIA
THE MOORE SCHOOL OF ELECTRICAL ENGINEERING
Graduate Group in Computer and Information Sciences (C.I.S.)
200 S. 33rd Street
Philadelphia, Pennsylvania 19104
(215)594-8540

Director of Program: John W. Carr III; Chairman of C.I.S. Graduate Group and Professor of Electrical Engineering; M.S.E.E., Ph.D., M.I.T., 1949, 1951.
Harvey L. Garner, Director of the Moore School of Electrical Engineering; M.S. in Physics, Denver, 1951; Ph.D. in Electrical Engineering, Michigan, 1958.

Faculty:
add
Bajcsy, Ruzena; Assistant Professor of Electrical Engineering; Ph.D., Stanford, 1972.
Hiz, Henry; Professor of Linguistics; Ph.D. Warsaw.

Information Science Courses:
revise
CIS 591 Introduction to Artificial Intelligence (formerly CIS 582)
CIS 692 Learning Machines (formerly CIS 683)

Computer Facilities:
revise IBM 370/165 (formerly 360/75)

PENNSYLVANIA STATE UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE
426 McAllister Building
University Park, Pennsylvania 16802
(814)865-9505

Faculty:
add
Honkanen, Pentti A.; Assistant Professor; Ph.D., Penn State; network analysis, simulation, computer applications, graph theory.
Rickman, Jon T.; Assistant Professor; Ph.D., Washington State; information retrieval, file structures.
delete
Williams, C.M.
revise

Gotterer, Malcolm H.; Professor; D.B.A., Harvard; economics and management of computation, computer applications, computer systems.
Hammer, Preston C.; Head and Professor; Ph.D., Ohio State; general spaces, numerical methods, communications, convexity.
Johnson, Gerald G., Jr.; Associate Professor, jointly with Materials Research; Ph.D., Penn State; information retrieval.

Information Science Courses:
delete
470 Introduction to Computer Graphics
593 Special Topics in Languages and Systems

Computer Facilities:
add
IBM 360/50
Adage ADP/30 Graphic System
revise
IBM System 360/67 (formerly 360/65)

UNIVERSITY OF PITTSBURGH
DEPARTMENT OF COMPUTER SCIENCE
800 Cathedral of Learning
Fifth and Bigelow
Pittsburgh, Pennsylvania 15213
(412)621-3500, ext. 7185

Degrees:
M.S. in Computer Science: At least nine graduate courses with an average of B or better. At least 6 of the courses must be numbered 200 or higher, chosen as follows: CS 201; CS 111 or 211 or 216 or 218 or 226; CS 151 or 251; CS 221 or 222; and two more 200-level CS courses. A written thesis and a final oral examination are required.
Ph.D. in Computer Science: The program consists of a course requirement block, an individually tailored block of advanced courses, and a research block. The course requirement block consists of at least 12 courses selected as follows: at least three among CS 211, 216, 218, 226 and 244; at least 3 among CS 221, 251, 253, 222, 228, 257, and 258; and at least 3 other 200-level courses (these may be offered by other departments). The student must average B or better in his computer science courses. A preliminary examination, a comprehensive examination, at least two successive terms in full-time graduate study, a dissertation, and an oral defense of the dissertation are required.

Faculty:
add
Cho, Seon; Adjunct Assistant Professor of Computer Science; Ph.D., Pittsburgh.
Salako, Abimbola; Assistant Professor of Computer Science; Ph.D., Wisconsin.
delete
Pople, Harry E.

Information Science Courses:
add
CS 265 Seminar: Social Implications of the Computer
CS 298 Seminar: Computer Uses in Education
delete
CS 154 Programming Languages
revise
CS 244 Information Theory (formerly CS 214)
CS 252 Computer Networks for Man-Machine Interaction (formerly CS 292)
CS 255 Data Management (formerly File Management)
CS 282 Computational Linguistics (formerly 227)

Computer Facilities:
delete 360/JD T.S.
revise
PDP-4 (formerly PDP-X)
PDP-10 (batch) and PDP-10 (T.S.) (formerly one PDP-10)

UNIVERSITY OF PITTSBURGH
INTERDISCIPLINARY DOCTORAL PROGRAM IN INFORMATION SCIENCE
Room 310, LIS Building
135 North Bellefield Street
Pittsburgh, Pennsylvania 15213
(412)621-3500, ext. 6352

Faculty:
delete
Borkowski, Casimir

revise

Montgomery, K. Leon; Assistant Professor, Interdisciplinary Doctoral Program in Information Sciences; Ph.D. in Library and Information Sciences, Pittsburgh, 1972.

Williams, James; Assistant Professor, Interdisciplinary Doctoral Program in Information Science: Research Assistant, Knowledge Availability Systems Center; Ph.D. in Library and Information Sciences, Pittsburgh, 1972.

Computer Facilities:

revise DEC 1077 (formerly IBM 360/50 I)

PRATT INSTITUTE
GRADUATE SCHOOL OF LIBRARY AND INFORMATION SCIENCE
215 Ryerson Street
Brooklyn, New York 11205
(212) 622-2200, ext. 282, 283

Faculty:

add

Coopersmith, Harvey J.; Assistant Professor; M.S. in Physics, Columbia.

Fischer, Margaret T.; Resource Specialist in Information Science; Xerox Educational Systems Division.

Furth, Stephen E.; Resource Specialist in Information Science; Manager, Information Systems Marketing, Data Processing Division, I.B.M.

delete

Preschel, Barbara M.

Tagler, John

revise

Matta, Seoud M.; Associate Professor; M.S., D.L.S., Columbia.

Information Science Courses: (credit in semester hours)

add

LS 519 Systems Analysis in Library and Information Science (3) Buchanan

LS 533 Theory of Classification (3)

revise

LS 516 Modern Document Access Systems (formerly The Place of Language in Communication)

Computer Facilities:

add University of Syracuse LEEP program.

ROSARY COLLEGE
GRADUATE SCHOOL OF LIBRARY SCIENCE
7900 West Division Street
River Forest, Illinois 60305
(312)369-6320

Faculty:

add

Brace, William; Associate Professor; M.A., Chicago, 1956.

delete

Haas, Katherine L.

revise

DuCote, Richard A.; Lecturer (visiting, part-time); M.A.L.S., Louisiana State, 1953.

Griffin, Hillis; Lecturer (visiting, part-time); M.L.S., Washington, 1958.

Financial Aid: $10,000 scholarships; $7,000 work/study grants; scholarships ranging from $300 to $1,000, frequently combined with work/study grants to cover tuition and residence costs; assistantships in several library positions, requiring from 10 to 20 hours of work per week.

RUTGERS UNIVERSITY, THE STATE UNIVERSITY OF NEW JERSEY
GRADUATE SCHOOL OF LIBRARY SERVICE
189 College Avenue
New Brunswick, New Jersey 08903
(201)247-1766, ext. 6500

Description of Program: The major emphasis within the M.L.S. program is on education to undertake professional careers in library and information service in a variety of agencies, such as school, academic, public, and special library and information services. The M.L.S. program combines traditional and innovative training in the principles and practices of librarianship and information science, including the teaching of recent technological advances in the acquisition, organization, storage, retrieval, and dissemination of information as well as broad and fundamental training in reference, bibliographic, and research use of library and other information sources. Specialization at the Master's level is possible in the areas of information science, library administration, school services and media technology, and general library service.

The program leading to the Ph.D. in Library Service is designed to contribute to the effectiveness of library leadership by preparing persons through the doctoral program to teach, conduct research, and administer library and information agencies.

Faculty:
add
Fraser, Walter; Assistant Professor of Library Service; M.A., Chicago.
King, Donald R.; Associate Professor of Library Service; M.S., M.L.S., Ph.D., Rutgers.
Maloney, Ruth K.; Assistant Professor of Library Service; M.L.S., Ph.D., Rutgers.

Information Science Courses: (credit in semester hours)
add
610:571 Programming Theory for Information Handling (4½)
610:572 Computer Based Information Systems (4½)
610:574 Classification Systems (1½)
610:575 Microforms and Other Technology (1½)
610:576 File Structures for Information Science (1½)
610:580 Research Methods (3)
610:586 Topics in Information Science (1½)
revise
610:515 Cataloging Theory and Practice (formerly 610:506 Theory of Cataloging and Classification)
610:524 Audio-Visual Materials, Methods and Services (formerly 610:542)
610:525 Film: Form and Use (formerly 610:544)
610:552 Systems Analysis in Library Management (formerly 610:547)
610:570 Theory of Information Science (formerly Information Science and Technology)
610:615 Seminar in Information Science and Technology (formerly Seminar in Information Science)

Computer Facilities:
revise
University has IBM 360/67. Batch and time sharing terminals available within Library School building. (Formerly IBM 360/40.)

ST. JOHN'S UNIVERSITY
DEPARTMENT OF LIBRARY SCIENCE
Jamaica, New York 11432
(212)969-8000, ext. 200

Director of Program: Mrs. Mary Y. Parr; Chairman.

Degree:
M.L.S.: 36 credits including: Organizing Library Materials, 6 cr.; Library and Society, 3 cr.; Administration, 3 cr.; Reference, 3 cr.; Literature 6 cr. Thesis not required. Comprehensive examination.

Faculty:
revise
Aman, Mohammed M.; Associate Professor; M.S. in Library Science, Columbia, 1965; Ph.D. in Library and Information Science, Pittsburgh, 1968.

Information Science Courses: (credit in semester hours)
add
235 Organization of Library Materials: Advanced (3) Aman
235 Data Processing (3)

SIMMONS COLLEGE
SCHOOL OF LIBRARY SCIENCE
300 The Fenway
Boston, Massachusetts 02115
(617)738-2264

NO CHANGES

UNIVERSITY OF SOUTHERN CALIFORNIA
GRADUATE SCHOOL OF LIBRARY SCIENCE
University Park
Los Angeles, California 90007
(213)746-2548

Degrees:
M.S. in L.S.: 36 units of graduate and professional courses; comprehensive examination; a scholarship average of 2.75 on a 4.0 scale. Thesis optional.
Ph.D.: 60 units of graduate work; major and minor field; research program; qualifying examinations (written and oral); dissertation; oral examination.

Information Science Courses:
add
563 Method and Technology in Information Science (3) Kazlauskas

Computer Facilities:
delete Honeywell 200
revise IBM 370 (formerly 360/65)

Admission Requirements:
M.S. in L.S.: Bachelor's degree; minimum combined G.R.E. score of 825; 2.5 undergraduate grade point average on a 4.0 scale.
Ph.D.: M.S. in L.S.; 3 years professional experience; capacity for research and scholarship.
Foreign Students: Proficiency in English; special application and admission procedures.

UNIVERSITY OF SOUTHERN MISSISSIPPI
DEPARTMENT OF LIBRARY SCIENCE
Hattiesburg, Mississippi 39401
(601)266-7167

Degrees:
M.A. in Library Science: A minimum of 46 graduate hours is required, half of which must be in courses numbered above 500. A student may elect 8 hours in a subject field or in the area of educational media approved by the chairman of the department and his advisor. A student must also demonstrate proficiency in a modern language, and write a thesis. Appropriate graudate courses in research methods, statistics, etc., may be accepted as a part of the major when approved by the department chairman.
M.S. in Library Science: A minimum of 48 graduate hours is required, half of which must be in courses numbered 500 or above. A student may elect 8 hours in a subject field or in the area of educational media approved by the department chairman and his advisor. There is no foreign language requirement and the writing of a thesis is optional.

STANFORD UNIVERSITY
DEPARTMENT OF COMMUNICATION
Stanford, California 94305
(415)321-2300, ext. 2755

Director of Program: Edwin B. Parker

Description of Program:
(add paragraph)
There is also a biomedical communication option with financial support provided from a training grant from the National Library of Medicine.

Faculty:
add
Martin, Thomas H.; Lecturer, Department of Communication; L.L.B. in Law, California (Berkeley), 1966.
Sondik, Edward J.; Assistant Professor, Department of Communication; M.S. in Electrical Engineering, Connecticut, 1965; Ph.D. in Electrical Engineering, Stanford, 1971.

SYRACUSE UNIVERSITY
SCHOOL OF LIBRARY SCIENCE
113 Euclid Avenue
Syracuse, New York 13210
(315) 476-5541, ext. 2911

Director of Program: Robert S. Taylor; Dean.

Faculty:
add
Dosa, Marta; Assistant Professor; Ph.D. in Library Service, Michigan.
Greer, Roger; Professor; Ph.D., Rutgers.
Taylor, Robert S.; Professor; M.L.S., Columbia.
delete
Boone, Morell D.
Dervin, Brenda
Dougherty, Richard
Hershfield, Allan

Information Science Courses: (credit in semester hours)
add
L.S. 620 Advanced Topics in Bibliographic Control

Computer Facilities:
revise IBM 370/157 (formerly IBM 360/50)

Financial Aid: Gaylord fellowships, research assistantships, university tuition scholarships, National Institute of Mental Health fellowship.

SYRACUSE UNIVERSITY
SYSTEMS AND INFORMATION SCIENCE PROGRAM
313 Link Hall
Syracuse, New York 13210
(315)476-5541, ext. 2368/9

Faculty:

add

Berra, P.B.; Associate Professor of Industrial Engineering; data management systems, operations research, atuomated process planning.

Foster, G.H.; Assistant Professor of Electrical and Computer Engineering; automata, computer systems.

Reynolds, J.C.; Professor of Systems and Information Science; programming languages, artificial intelligence.

Semon, W.L.; Professor and Director of Systems and Information Science; automata theory, switching theory.

Ward, R.E.; Research Associate, Systems and Information Science; operating systems, data management systems.

delete

Michie, D.

revise

Hu, M.; Professor of Electrical and Computer Engineering; automata, adaptive mechanisms, information processing.

Pia, J.J.; Professor and Chairman of Anthropology; linguistics.

Robinson, J.A.; Professor of Systems and Information Science; logic, theorem proving, artificial intelligence.

Rothenberg, M.; Assistant Professor of Electrical and Computer Engineering; linguistics, speech analysis, phonetic theory.

Schwarzlander, H.; Associate Professor of Electrical and Computer Engineering; statistical ccmmunication theory, information systems.

Storm, E.F.; Associate Professor of Systems and Information Science; programming languages, computational linguistics.

Wyman, J.C.; Research Associate, Computing Center; operating systems, programming languages, library automation.

Computer Facilities:

revise IBM 370/155 (formerly 360/50

Financial Aid: More than 25 scholarships, fellowships, and teaching assistantships now being awarded each year.

TEMPLE UNIVERSITY
INFORMATION SCIENCE DEPARTMENT
Speakman Hall
Philadelphia, Pennsylvania 19144
(215)787-8450

Director of Program: Leonard Garrett, Chainnan (see faculty list below).

Description of Program: The aim of the Infomation Science program is to provide a broad background in the technology and managerial use of computerized information systems and an understanding of the capabilities and limitations of electronic computers particularly in the areas of decision making and business data processing. The student completing this program will have a firm foundation which will enable him to progress in the field of information systems and for doing further academic work in the field.

Employment Preparation: The aim of the M.B.A. program and the computer applications option of the M.A. program is to train students for applications in industry and for further academic work of an applied nature. The foundations of information science option of the M.A. program prepares students for further graduate work directed toward research.

Degrees:

M.B.A.: 30 semester hours.

M.A.: Eight courses chosen by the student with the approval of his advisor from all graduate courses offered by the department or from relevant courses offered by other departments. At least two courses must be in the "Computers and Applications" section and two must be in the "Foundations of Information Science" section. A written examination is required. This program will probably begin spring semester, 1973.

Faculty:

Bergman, Samuel; Instructor; M.A. in Electrical Engineering, N.Y.U., 1963; automata theory, theory of recursive functions, programming languages.

Farley, Belmont; Associate Professor; Ph.D. in Physics, Yale, 1948; models of the nervous system, simulation studies, numerical analysis.

Garrett, Leonard; Professor; Ph.D. in Business, Penn, 1961; business systems, simulation studies.

Gumb, Raymond; Assistant Professor; Ph.D. in Philosophy, Lehigh, 1970; information retrieval, linguistics, logic.

Halpern, Mordechai; Assistant Professor; Ph.D. in Physics, Colorado, 1968; artificial intelligence, automata theory, simulation.

Kapps, Charles; Assistant Professor; Ph.D. in Computer Science, Penn, 1970; operating systems, programming languages, automata theory.

Students Specializing in Information Science: 120 full- and part-time students in the M.B.A. program.

Information Science Courses: (credit in semester hours)
IS 501 Information Systems
IS 502 Computer Simulation
IS 602 On-Line Systems
IS 604 Seminar in Problems in Information Science
IS 605 Data Structure and File Management

Research Opportunities for Students: Students may work with faculty of the Information Science and other departments.

Computer Facilities: CDC 6400 (2 systems)

Admission Requirements:
M.B.A.: B.A. or B.S. in any field, with extra time required if basic courses have not been previously taken.
M.A.: In addition to the general admission requirements of the Graduate School, a student must have background in calculus, linear algebra, theory of automata, logic, and introductory and intermediate programming.

Tuition and Fees: Pennsylvania residents, $485 per semester; non-residents, $935 per semester.

Financial Aid: Fellowships, research assistantships.

UNIVERSITY OF TENNESSEE AT KNOXVILLE
GRADUATE SCHOOL OF LIBRARY AND INFORMATION SCIENCE
804 Volunteer Boulevard
Knoxville, Tennesee 37916
(615)974-2148

Faculty:
add
Kertesz, Francois; Professor (part-time); Dipl. Ing., Inst. of Tech., Stuttgart; Ph.D., Sorbonne, 1938.
Mills, Jesse; Lecturer; M.A., Tennessee, 1949; M.L.S., Rutgers, 1960.
Schmidt, Charles; Lecturer; M.L.S., Drexel.

UNIVERSITY OF TEXAS AT AUSTIN
DEPARTMENT OF COMPUTER SCIENCES
Austin, Texas 78712
(512)471-7316

Faculty:
add
Noetzel, Andrew S.; Assistant Professor of Computer Sciences; B.E.C. in Electrical Engineering, C.C.N.Y., 1963; Ph.D. in Computer Sciences, Penn., 1970; operating systems.
delete
Bunderson, C. Victor

THE UNIVERSITY OF TEXAS AT AUSTIN
GRADUATE SCHOOL OF LIBRARY SCIENCE
Box 7576, University Station
Austin, Texas 78712
(512)471-3821

Director of Program: C. Glenn Sparks, Acting Dean and Professor; Ph.D., Michigan, 1967.

Degrees:
M.L.S.: 36 semester hours, including Basic Information Sources, Cataloging and Classification, Introduction to Librarianship, Introduction to Information Science, Research, Systems Analysis, Automation, and Computer Based Retrieval. Thesis optional.
Ph.D. in Library Science: Two foreign languages (for one language, computer programming or statistics may be substituted), approved program of courses, qualifying examinations, dissertation, and final oral examination.
M.L.S. (proposed): A proposed terminal M.L.S. program is under active study with a core of 6 courses, 2 of which are being introduced in 1972-73. Degree will require 36 semester hours.

Faculty:
add
Wyllys, Ronald; Assistant Professor; M.A., Wisconsin.

Information Science Courses: (credit in semester hours)
add
385.7 Explorations in Information Communication Behavior (3) (not scheduled)
385T.8 Formal and Informal Information Networks (3) F Jackson
385T.9 Management and Information Systems (3) S
398S Doctoral Seminar in Library and Information Science (3) S

revise
385T.2 Systems Analysis and Evaluation (formerly 385T.1 Systems Analysis)
385T.3 Library Automation (formerly unnumbered)
385T.4 Indexing and Abstracting (formerly unnumbered)
385T.5 Introductory Computer Based Retrieval (3) S Dale
385T.6 Seminar in Information Science (formerly unnumbered)

Admission Requirements:
M.L.S.: Grade point average of 3.0 on 4.0 basis; adequate performance on G.R.E.; substantial undergraduate preparation; recommendations.
M.I.S.: (proposed) Above, plus symbolic logic, linear algebra, matrices, probability theory, set, graph, statistics and computer programming.
Ph.D.: Superior performance at undergraduate and graduate levels; master's in library science, computer science, or other subject area; professional and scholarly potential; recommendations; superior performance on G.R.E.
Foreign Students: Above requirements apply, plus adequate knowledge of English language.

UNIVERSITY OF TOLEDO
DEPARTMENT OF LIBRARY SCIENCE
2801 W. Bancroft Street
Toledo, Ohio 43606
(419)531-5711, ext. 2803, 2804, 2805

NO FURTHER INFORMATION RECEIVED

UNIVERSITY OF TORONTO
FACULTY OF LIBRARY SCIENCE
140 St. George Street
Toronto 181, Ontario, Canada
(416)928-3201

Director of Program: Miss Francess G. Halpenny; Dean; M.A., Toronto; L.L.D., Guelph.

Faculty:
add
Halsey, Richard S.; Assistant Professor; S.M., Simmons, 1962; Ph.D. in Library Science, Case Western Reserve, 1972.
delete
McLean, Isabel K.

Information Science Courses:
delete
2290X Audio-Visual Materials and the Library
2810X Administrative Decision-Making
revise
2620X Subject Analysis (formerly Theory of Subject Analysis)

Computer Facilities:
add
IBM 370/155
Hewlett-Packard 2100A mini-computer and assorted typewriter and CRT communications terminals
Sigma 6
Sigma 7
delete
087 collator
407 electronic accounting machine
revise
IBM 029 keypunch (formerly 026)

UNIVERSITY OF WASHINGTON (SEATTLE)
COMPUTER SCIENCE GROUP
226 Roberts Hall, FC-10
Seattle, Washington 98195
(206)543-1695

Faculty:
add
Kehl, Theodore H.; Associate Professor of Physiology and Biophysics and Computer Science; M.S., Ph.D., Wisconsin, 1958, 1961; constructing real-time, hardware and software systems for use in biomedical research.
delete
Stanfield, Jonathan

revise

Ritchie, Robert W.; Professor of Mathematics and Computer Science; M.S., Ph.D., Princeton, 1959, 1961; mathematical logic and computability theory, computational complexity, automata theory, mathematical linguistics.

UNIVERSITY OF WASHINGTON (SEATTLE)
SCHOOL OF LIBRARIANSHIP
133 Suzzallo Library, BL-10
Seattle, Washington 98105
(206)543-1794

Faculty:

delete

Stanfield, Jonathan

revise

Smith, Richard D.; Assistant Professor; M.A., Denver, 1964; Ph.D., Chicago, 1970.

Admission Requirements:

Master's Programs: Four prerequisite courses (12 quarter hours); upper division grade point average 3.0 or above on a 4.0 scale; one year of a modern foreign language, G.R.E., and a potential for librarianship.

Foreign Students: Same as above plus T.O.E.F.L. score of 600 and one year's experience following bachelor's degree.

WASHINGTON UNIVERSITY (ST. LOUIS)
DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTER SCIENCE
St. Louis, Missouri 63130
(314)863-0100, ext. 4384

Degrees:

M.S. in Applied Mathematics and Computer Science, course option: 30 graduate semester hours plus final written examination.

M.S. in Applied Mathematics and Computer Science, thesis option: 24 course hours plus 6 research hours with a final oral examination.

D.Sc. in Applied Mathematics and Computer Science: At least 48 graduate credit hours, 24 research hours, plus a written examination, preliminary oral examination, and a final oral examination.

Faculty:

add

Mutula, David W.; Associate Professor; graph theory, combinatorial mathematics, finite arithmetic game theory.

Strauss, Jon C.; Associate Professor; computer system performance evaluation, facilities management, problem-oriented languages, simulation.

Walkup, David W.; Associate Professor; mathematical programming, geometry and convexity, graph theory, combinatorial mathematics.

Zwart, Philip B.; Associate Professor; mathematical optimization theory.

delete

Sterling, Theodor D.

revise

Ball, William E.; Chairman and Professor; D.Sc.; numerical analysis, compiler theory, symbolic information processing.

Information Science Courses:

revise

AMCS 531 Language Translation and Compiler Construction (formerly Computer Programming Theory I)
AMCS 532 List Processing and String Manipulation Languages (formerly Computer Programming Theory II)
AMCS 574 Integer Programming (formerly Nonlinear Programming II)
AMSC 575 Implementation in Mathematical Programming (formerly Nonlinear Programming III)

Admission Requirements:

note: change subhead from "M.S. and Ph.D." to "M.S. and D.Sc."

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE (ST. LOUIS)
TRAINEESHIP IN COMPUTER LIBRARIANSHIP
Library
4580 Scott Avenue
St. Louis, Missouri 63110
(314)367-6400, ext. 3711

NO CHANGES

WESTERN KENTUCKY UNIVERSITY
DEPARTMENT OF LIBRARY SCIENCE
Bowling Green, Kentucky 42101
(503)745-3446

Degree:
M.A. in Education: 30 semester hours of library courses, including Research Methods, Curriculum, Organization and Administration of the Instructional Materials Center, Advanced Reference, and electives. Thesis not required.
M.S. in Library Science: 30 semester hours plus research tool.

WESTERN MICHIGAN UNIVERSITY
SCHOOL OF LIBRARIANSHIP
Kalamazoo, Michigan 49001
(616)383-1849

Degree:
M.S.: 30 required hours, of which 18 hours (6 courses) are basic library courses; includes 12 hours of information science courses (634, 635, and 636), and a no-credit course in computer programming.

Faculty:
delete
Herrick, Earl M.

Admission Requirements: Bachelor's degree from an accredited school or university with a minimum grade point of 2.6 (B-) in the last two years of undergraduate studies. Students should have a general liberal arts background. It is helpful, although not necessary, to have some course work in basic mathematics.

UNIVERSITY OF WESTERN ONTARIO
SCHOOL OF LIBRARY AND INFORMATION SCIENCE
Richmond Street
London 72, Ontario, Canada
(519)679-3542

Faculty:
add
Dolan, Frank T.; Associate Professor; M.S., Georgia Tech., 1966.
Hudgins, W.H.; M.L.S. Western Ontario.
Schulte-Albert, H.; Assistant Professor; M.A., M.S., Case Western Reserve.
Sudar, D.; Associate Professor; B.L.S., Toronto.
Svenonius, Elaine; Assistant Professor; M.A., Ph.D., Chicago.
Swarthout, Charlene; Visiting Lecturer; M.S., Ed.D., Wayne State.
delete
Bird, D.A.

Computer Facilities:
add CDC 6400
delete IBM 1130
revise IBM 370 (formerly 360)

UNIVERSITY OF WISCONSIN AT MADISON
DEPARTMENT OF COMPUTER SCIENCES
1210 West Dayton Street
Madison, Wisconsin 53706
(608)262-4421

Director of Program: Professor O.L. Mangasarian; mathematical programming and its applications to numerical analysis and approximation.

Faculty:
add
Desautels, E.J.; Assistant Professor of Computer Sciences; system programming, debugging tools, programming languages.
Landweber, L.; Associate Professor of Computer Sciences; automata theory, computational complexity.
Moore, E.F.; Professor of Computer Sciences and Mathematics; graph theory, combinatorial computations.

UNIVERSITY OF WISCONSIN AT MADISON
LIBRARY SCHOOL
Helen White Memorial Building
600 North Park Street
Madison, Wisconsin 53706
(608)263-2900

Faculty:
delete
Griffin, Hillis L.

UNIVERSITY OF WISCONSIN AT MILWAUKEE
SCHOOL OF LIBRARY AND INFORMATION SCIENCE
CHA 303
Milwaukee, Wisconsin 53201
(414)228-4707

Faculty:
delete
Schlueter, Reinhold A.
Weintraub, D. Kathryn
revise
Koh, Soonja Lee; Instructor; M.S. in Education, Catherine Spalding, 1966; M.L.S. (Advanced Certificate), Pittsburgh, 1970.
Samore, Theodore; Acting Director and Associate Professor; M.A. in Philosophy and Psychology, M.A.L.S., Michigan, 1952, 1953.

Information Science Courses:
add
544-829-5 Research Methods in Librarianship
revise
544-815-4 Advanced Cataloging and Classification (formerly 815-4)
544-838-6 Introduction to Information Science and Data Processing (formerly 838-6)
544-839-4 Data Processing in Libraries I (formerly 839-4)
544-850-1 Current Problems in Library Technology (formerly 850-1)

YALE UNIVERSITY
INTERDISCIPLINARY PROGRAM IN INFORMATION SCIENCE
New Haven, Connecticut 06520
(203)436-0546

NO FURTHER INFORMATION RECEIVED

Abbreviations of Departments Used in the Index

BA	Business Administration
C	Computer Science
Comm.	Communication
EdM	Educational Media
EE	Electrical Engineering
IE	Industrial Engineering
IS	Information Science
L	Library Science
Med. L	Medical Librarianship
Sci. I	Science Information

INDEX OF FACULTY MEMBERS INTERESTED IN INFORMATION SCIENCE

Aceto, Vincent J. ..... New York (SUNY) at Albany (L)
Ackerman, Eugene ..... Minnesota (C)
Alcorn, H.R. ..... Missouri at Rolla (C)
Alton, Donald A. ..... Iowa (C)
Allen, Kenneth ..... Rosary (L)
Allen, Stephen G. ..... California State at Sacramento (BA)
Aman, Mohammed M. ..... St. John's (New York) (L)
Anderson, Robert B. ..... Houston (C)
Andree, Richard V. ..... Oklahoma (C)
Anthony, Carol ..... Auburn (EdM)
Archer, H. Richard ..... New York (SUNY) at Albany (L)
Arden, Bruce W. ..... Michigan (C)
Arnardi, Susan A. ..... Rutgers (L)
Ashenhurst, Robert L. ..... Chicago (IS)
Ashton, Jonathan R. ..... New York (SUNY) at Albany (L)
Atchison, William F. ..... Maryland (C)
Atherton, Pauline ..... Syracuse (L)
Avizienis, Algirdas A. ..... California at Los Angeles (C)

Baer, Jean-Loup E. ..... Washington (Seattle) (C)
Bajesy, Ruzena ..... Pennsylvania (EE)
Ball, William E. ..... Washington (St. Louis) (C)
Barnes, Bruce H. ..... Pennsylvania State (C)
Barnett, Michael P. ..... Columbia (L)
Baer. Jean-Loup E. ..... Washington (Seattle) (C)
Bajesy, Ruzena ..... Pennsylvania (EE)
Ball, William E. ..... Washington (St. Louis) (C)
Barnes, Bruce H. ..... Pennsylvania State (C)
Barnes, Robert F., Jr. ..... Lehigh (IS)
Barnett, Michael P. ..... Columbia (L)
Baron, Robert J. ..... Iowa (C)
Basili, Victor R. ..... Maryland (C)
Baskin, Herbert B. ..... California at Berkeley (EE)
Bassler, Richard A. ..... American (BA)
Bates, Marcia J. ..... Maryland (L)
Batty, C. David ..... McGill (L)
Bauer, Charles ..... I.I.T. (C)
Beecne, Barbara ..... Bradley (C)
Beilke, Patricia ..... Auburn (EdM)
Belzer, Jack ..... Pittsburgh (IS); Western Ontario (L)
Bergman, Samuel ..... Temple (IS)
Berk, Robert A. ..... Oregon (L)
Bernier, Charles L. ..... New York (SUNY) at Buffalo (L)
Berra, P.B. ..... Syracuse (IS)
Bertram, Sheila Kelley ..... Alberta (L)
Berztiss, Alfs T. ..... Pittsburgh (C)
Beshers, James M. ..... New York (CUNY) (L)
Biermann, Alan W. ..... Ohio State (C)
Bird, Warren ..... North Carolina at Chapel Hill (L)
Bledsoe, Woodrow W. ..... Texas at Austin (C)
Block, Henry ..... Cornell (C)
Blum, Manuel ..... California at Berkeley (EE)
Boaz, Martha ..... Southern California (L)
Book, Ronald V. ..... Harvard (C)
Bookstein, Abraham ..... Chicago (L)
Booth, A.D. ..... Case Western Reserve (L)
Borko, Harold ..... California at Los Angeles (L)
Borkowski, Casimir ..... Pittsburgh (C)
Bourne, Charles P. ..... California at Berkeley (L)
Brace, William ..... Rosary (L)
Bradley, William ..... New York (CUNY) (L)
Brearley, Harrington C., Jr. ..... Iowa State (C)
Brekhus, Elmo ..... Minnesota (L)
Brenman, Edwin ..... New York (CUNY) (L)
Brenner, Everett H. ..... New York (CUNY) (L); Pratt (L)
Brewer, Richard K. ..... Kansas State (C)
Broadus, Robert N. ..... Northern Illinois (L)
Brodman, Estelle ..... Washington (St. Louis) (L)
Brook, Barry S. ..... New York (CUNY) (L)
Brooks, Frederick P. ..... North Carolina at Chapel Hill (C)
Brouse, Albert J. ..... I.I.T. (Sci. I)
Brown, David ..... Bruce (IE)
Buchanan, Oliver H. ..... Pratt (L)
Buckley, Casper ..... Catholic (L)
Budington, William S. ..... I.I.T. (Sci. I)
Bunch, James R. ..... Cornell (C)
Burgess, Robert S. ..... New York (SUNY) at Albany (L)
Burkhardt, Walter H. ..... Pittsburgh (C)
Burks, Arthur W. ..... Michigan (C)
Bussell, Bertram ..... California at Los Angeles (C)
Buttelmann, William H. ..... Ohio State (C)
Byers, J.K. ..... Missouri at Rolla (C)

Calhoun, Myron A. ..... Kansas State (C)
Calingaert, Peter ..... North Carolina at Chapel Hill (C)
Cameron, W.J. ..... Western Ontario (L)
Campbell, Graham M. ..... Pennsylvania State (C)
Caponio, Joseph F. ..... Maryland (L)
Cardenas, Alfonso F. ..... California at Los Angeles (C)
Carlon, Mavis O. ..... Toronto (L)
Carlson, Albert ..... Northern Illinois (L)
Carr, Donald E. ..... California State at Sacramento (BA)
Carr, John W., III ..... Pennsylvania (EE)
Carroll, Billy D. ..... Auburn (EE)
Carroll, Chester C. ..... Auburn (EE)
Carroll, Hardy ..... Western Michigan (L)
Cartwright, Kelley ..... California at Los Angeles (L)
Caruso, Elaine ..... Pittsburgh (IS)
Chandrasekaran, Balakrishnan ..... Ohio State (C)
Cheatham, Thomas E., Jr. ..... Harvard (C)
Chen, Ching-Chih ..... Simmons (L)
Chen, John H.M. ..... Southern Mississippi (L)
Cheshier, Robert G. ..... Case Western Reserve (L)
Chiaraviglio, Lucio ..... Georgia Tech (IS)
Christensen, James H. ..... Oklahoma (C)
Christenson, Edward A. ..... California at Sacramento (BA)
Chu, Wesley W. ..... California at Los Angeles (C)
Clark, Philip M. ..... Rutgers (L)
Clement, Enid ..... McGill (L)
Clemons, John ..... Emory (L)
Clouse, R. Wilburn ..... George Peabody (L)
Cobb, Jane Evelyn ..... Auburn (EdM)
Cockshutt, Margaret E. ..... Toronto (L)
Coffman, Edward G. ..... Pennsylvania State (C)
Cohen, Dan ..... Harvard (C)
Cohen, Martin ..... Western Michigan (L)
Cole, Dorothy Ethlyn ..... New York (SUNY) at Albany (L)
Cole, Ralph I. ..... American (BA)
Collison, Robert L. ..... California at Los Angeles (L)
Conaway, Charles W. ..... New York (SUNY) at Buffalo (L)
Conner, William M. ..... Pittsburgh (C)
Constable, Robert L. ..... Cornell (C)
Conway, Richard W. ..... Cornell (C)
Cook, Kenneth H. ..... Syracuse (IS)
Cooley, William W. ..... Pittsburgh (C)
Coons, S.A. ..... Syracuse (IS)
Cooper, Michael D. ..... California at Berkeley (L)
Cooper, William S. ..... California at Berkeley (L)
Coopersmith, Harvey J. ..... Pratt (L)
Corbato, Fernando Jose ..... M.I.T. (EE)
Costabile, Salvatore L. ..... Maryland (L)
Coughlin, Violet L. ..... McGill (L)
Courrier, Yves-G. ..... Montreal (L)
Cox, Carl T. ..... Tennessee at Knoxville (L)
Crow, James E. ..... Drexel (L)
Crowley, Terence ..... Illinois (L)
Cupper, Robert D. ..... Pittsburgh (C)

Dale, Alfred G. ..... Texas at Austin (C); Texas at Austin (L)
Daley, Robert P. ..... Chicago (IS)
Dammkoehler, Richard A. ..... Washington (St. Louis) (C)
Damon, Gene A. ..... Toronto (L)
Danzinger, Erwin M. ..... North Carolina at Chapel Hill (C)

Darling, Louise ..... California at Los Angeles (L); California at Los Angeles (Med. L)
Davidson, C.H. ..... Wisconsin at Madison (C)
Davis, Charles H. ..... Michigan (L)
Davis, Gordon B. ..... Minnesota (C)
Davis, Richard A. ..... Rosary (L)
Davis, Ruth M. ..... Pittsburgh (C)
DeBoard, Judith A. ..... East Carolina (L)
Debons, Anthony ..... Pittsburgh (IS)
DeKoek, A.R. ..... Missouri at Rolla (C)
D'Elia, George P.M. ..... New York (CUNY), Queens (L)
DeLutis, Thomas G. ..... Ohio State (C)
deMaine, Paul A.D. ..... Pennsylvania State (C)
Dennis, Jack B. ..... M.I.T. (EE)
Dennis, John E., Jr. ..... Cornell (C)
DeProspo, Ernest R., Jr. ..... Rutgers (L)
Desautels, E.J. ..... Wisconsin at Madison (C)
Dertouzos, Michael L. ..... M.I.T. (EE)
DesJardins, Robert B. ..... North Carolina at Chapel Hill (L)
Deutsch, Edward S. ..... Maryland (C)
Devine, Michael D. ..... Oklahoma (C)
Dewar, Robert ..... I.I.T. (C)
Dillon, Martin ..... North Carolina at Chapel Hill (C); North Carolina at Chapel Hill (L)
Divilbiss, J.L. ..... Illinois (L)
Dolan, Elizabeth ..... McGill (L)
Dolan, Frank T. ..... Western Ontario (L)
Dolch, John Parker ..... Iowa (C)
Donovan, John J. ..... M.I.T. (EE)
Dosa, Marta ..... Syracuse (L)
Doszkocs, Tamas ..... Maryland (L)
Drott, M. Carl ..... Drexel (L)
Dubester, Henry J. ..... Maryland (L)
DuCote, Richard ..... Rosary (L)
Dwyer, Thomas A. ..... Pittsburgh (C)
Dym, Eleanor D. ..... Pittsburgh (IS)

Edmundson, Harold P. ..... Maryland (C)
Ehrich, Wayne ..... Western Kentucky (L)
Elder, Howard A. ..... North Carolina at Chapel Hill (C)
Emanuel, Joseph J. ..... Bradley (C)
Ernst, Ronald L. ..... Ohio State (C)
Evans, G. Edward ..... California at Los Angeles (L)
Everett, Gerald D. ..... Texas at Austin (L)

Fano, Robert M. ..... M.I.T. (EE)
Faries, Fithian ..... Western Kentucky (L)
Farley, Belmont ..... Temple (IS)
Farley, John J. ..... New York (SUNY) at Albany (L)
Ferentz, Melvin ..... New York (CUNY) (L)
Feyock, Stefan ..... Oklahoma (C)
Finks, Lee ..... Emory (L)
Fischer, Margaret T. ..... Pratt (L)
Fisher, Gerald ..... I.I.T. (C)
Fisher, Paul S. ..... Kansas State (C)
Fisher, Stanley ..... New York (CUNY) (L)
Fitch, Frederic B. ..... Yale (IS)
Fitzwater, D.R. ..... Wisconsin at Madison (C)
Flanigan, Larry K. ..... Michigan (C)
Fleck, Arthur ..... Iowa (C)
Flood, Barbara ..... Drexel (L)
Foley, James D. ..... North Carolina at Chapel Hill (C)
Forney, Charles ..... Pennsylvania State (C)
Foster, G.H. ..... Syracuse (IS)
Fonlk, Clinton R. ..... Ohio State (C)
Fowkes, William ..... Stanford (Comm.)
Frank, Nathalie ..... Pratt (L)
Fraser, Walter ..... Rutgers (L)
Fredkin, Edward ..... M.I.T. (EE)
Freedman, Donald A. ..... California at Sacramento (BA)
Friedman, Joyce B. ..... Michigan (C)
Fry, Bernard M. ..... Indiana (L)
Furth, Stephen E. ..... Pratt (L)
Fussler, Herman H. ..... Chicago (L)

Gagliardi, Ugo O. ..... Harvard (C)
Galler, Bernard A. ..... Michigan (C)
Gammon, William Howard ..... American (BA)
Gardner, Richard-K. ..... Montreal (L)
Garrett, Leonard ..... Temple (IS)
Garrison, Guy ..... Drexel (L)
Gelfand, Morris A. ..... New York (CUNY), Queens (L)
Gill, Arthur ..... California at Berkeley (EE)
Gillespie, Robert G. ..... Washington (Seattle) (C)
Gillett, Billy E. ..... Missouri at Rolla (C)
Giuliano, Vincent E. ..... New York (SUNY) at Buffalo (L)
Glasser, Robert G. ..... Maryland (C)
Goda, J.J., Jr. ..... Georgia Tech (IS)
Goffman, William ..... Case Western Reserve (L)
Goguen, Joseph A., Jr. ..... Chicago (IS)
Golde, Hellmut ..... Washington (Seattle) (C)
Goldstine, Jonathan ..... Chicago (IS)
Good, Donald I. ..... Texas at Austin (C)
Gorn, Saul ..... Pennsylvania (EE)
Gotterer, Malcolm H. ..... Pennsylvania State (C)
Gough, James, Jr. ..... Georgia Tech (IS)
Graves, Robert L. ..... Chicago (IS)
Gray, Harry J. ..... Pennsylvania (EE)
Green, James Sproat, V ..... Lehigh (IS)
Green, Jay O. ..... Denver (L)
Greenburg, A. Gerson ..... I.I.T. (Sci. I)
Greene, Peter H. ..... Chicago (IS)
Greer, Roger ..... Syracuse (L)
Gries, David ..... Cornell (C)
Griffin, Hillis L. ..... Rosary (L)
Griffith, Belver ..... Drexel (L)
Grosky, William I. ..... Georgia Tech (IS)
Grosvenor, Dale D. ..... Iowa State (C)
Grotzinger, Laurel A. ..... Western Michigan (L)
Gumb, Raymond ..... Temple (IS)
Gwynn, John M., Jr. ..... Georgia Tech (IS)
Gylys, Vytas B. ..... Oklahoma (C)

Hagerty, Patrick E. ..... Maryland (C)
Hagler, Ronald A. ..... British Columbia (L)
Hall, Mary ..... McGill (L)
Halpern, Mordecai ..... Temple (IS)
Halsey, Richard S. ..... Toronto (L)
Hamdy, Mohamed N. ..... Denver (L)
Hamlet, Richard G. ..... Maryland (C)
Hammer, Preston C. ..... Pennsylvania State (C)
Hammond, William M. ..... Bradley (C)
Hanson, Allen ..... Minnesota (C)
Harmon, Glynn ..... Texas at Austin (L)
Harris, Frederick H. ..... Chicago (IS)
Harris, Jessica L. ..... New York (CUNY), Queens (L)
Hartmanis, Juris ..... Cornell (C)
Hattery, Lowell H. ..... American (BA)
Hayes, Robert M. ..... California at Los Angeles (L)
Heaps, D.M. ..... Alberta (C)
Heaps, H.S. ..... Alberta (C)
Heer, Philipp R. ..... Denver (L)
Heiliger, Edward ..... Kent State (L)
Heilprin, Laurence B. ..... Maryland (C); Maryland (L)
Heller Nelson ..... Washington (St. Louis) (C)
Helm, Carl ..... New York (CUNY) (L)
Henderson, Kathryn Luther ..... Illinois (L)
Hennie, Frederick Clair, III ..... M.I.T. (EE)
Herring, Bruce E. ..... Auburn (IE)
Herriot, Robert G. ..... Washington (Seattle) (C)
Herschman, Arthur ..... New York (CUNY) (L)
Hewitt, Carl E. ..... M.I.T. (EE)
Heyworth, J. ..... Alberta (C)
Hillman, Donald J. ..... Lehigh (IS)
Hines, Theodore C. ..... Columbia (L)
Hiz, Henry ..... Pennsylvania (EE)
Hodina, Alfred ..... Maryland (L)
Hoffman, Lance J. ..... California at Berkeley (EE)
Hogge, James H. ..... George Peabody (L)
Holden, Alistair ..... Washington (Seattle) (C)

Holland, John H. ..... Michigan (C)
Holm, Bart ..... Drexel (L)
Holsinger, Alden ..... New York (CUNY) (L)
Honkanen, Pentti A. ..... Pennsylvania State (C)
Hool, James N. ..... Auburn (IE)
Hopcroft, John E. ..... Cornell (C)
Hopfe, Manfred W. ..... California State at Sacramento (BA)
Hom, Andrew H. ..... California at Los Angeles (L)
Horowitz, E. ..... Cornell (C)
Hosch, Frederick ..... I.I.T. (C)
Hotimsky, C.M. ..... Western Ontario (L)
Howard, John H. ..... Texas at Austin (C)
Howerton, Paul W. ..... American (BA)
Hoyle, Norman E. ..... New York (SUNY) at Albany (L)
Hu, M. ..... Syracuse (IS)
Hudgins, W.H. ..... Western Ontario (L)
Huang, Jin-si ..... Bradley (C)
Huang, Jung-chang ..... Houston (C)
Huckaby, Sara S. ..... Michigan (L)
Hug, Abdul ..... Dalhousie (L)
Hug, William E. ..... Auburn (EdM)
Hunt, Earl B. ..... Washington (Seattle) (C)
Hunting, Eugene ..... Pittsburgh (C)
Hutton, Norman E. ..... Iowa State (C)
Hyman, Richard ..... New York (CUNY), Queens (L)

Ibarra, Oscar H. ..... Minnesota (C)
Immroth, John Phillip ..... Pittsburgh (IS)
Irons, Edgar T. ..... Yale (IS)
Irwin, J. David ..... Auburn (EE)
Isaacs, Dan Lee ..... Illinois (L)

Jackson, Eugene B. ..... Texas at Austin (L)
Janaske, Paul Carlyle ..... Catholic (L)
Johoda, Gerald ..... Florida State (L)
Jeffrey, Richard C. ..... Pennsylvania (EE)
Jenson, Alton P. ..... Georgia Tech (IS)
Jesperson, Howard W. ..... Iowa State (C)
Johnson, Clyde W. ..... Michigan (IE)
Johnson, David L. ..... Washington (Seattle) (C)
Johnson, Gerald ..... Pennsylvania State (C)
Johnson, Millard ..... Washington (St. Louis) (L)
Jones, Neil D. ..... Pennsylvania State (C)
Joshi, Aravind K. ..... Pennsylvania (EE)

Kanal, Laveen ..... Maryland (C)
Kaplan, Stephen ..... Michigan (C)
Kapps, Charles ..... Temple (IS)
Karplus, Walter J. ..... California at Los Angeles (C)
Kasarda, Andrew J. ..... Lehigh IS)
Katz, William A. ..... New York (SUNY) at Albany (L)
Katzer, Jeffrey ..... Syracuse (L)
Kayel, Robert G. ..... New York (CUNY) (L)
Kazlauskas, Edward ..... Southern California (L)
Kehl, Theodore H. ..... Washington (Seattle) (C)
Keller, Roy F. ..... Iowa State (C)
Kelly, Michael D. ..... Georgia Tech (IS)
Kennevan, Walter J. ..... American (BA)
Kenney, Brigitte ..... Drexel (L)
Kent, Allen ..... Pittsburgh (IS)
Kertesz, Francois ..... Tennessee at Knoxville (L)
Kidd, Jerry S. ..... Maryland (L)
King, Donald R. ..... Rutgers (L)
King, Kenneth ..... New York (CUNY) (L)
King, Willis K. ..... Houston (C)
Klein, S. ..... Wisconsin at Madison (C)
Kleinrock, Leonard ..... California at Los Angeles (C)
Klempner, Irving M. ..... New York (SUNY) at Albany (L)
Klinger, Allen ..... California at Los Angeles (C)
Klontz, Mary P. ..... Auburn (EdM)
Koenig, E.C. ..... Wisconsin at Madison (C)
Koh, Soonja Lee ..... Wisconsin at Milwaukee (L)
Kortendick, Rev. James J., S.S. ..... Catholic (L)
Kraft, Donald H. ..... Maryland (L)
Kraus, David H. ..... Georgia Tech (IS)
Kraynek, William T. ..... Pittsburgh (C)
Krikelas, James ..... Wisconsin at Madison (L)
Kruzas, Anthony T. ..... Michigan (L)
Kuno, Susumo ..... Harvard (C)
Kurmey, William J. ..... Toronto (L)

La Hood, Charles G. ..... Maryland (L)
Laird, Donald T. ..... Pennsylvania State (C)
Lamb, Sydney M. ..... Yale (IS)
Lambert, Robert J. ..... Iowa State (C)
Lamkin, Burton ..... Catholic (L)
Lancaster, F. Wilfrid ..... Illinois (L)
Landweber, L. ..... Wisconsin at Madison (C)
Lanier, Gene D. ..... East Carolina (L)
Lay, Michael W. ..... Maryland (C)
Lazorick, Gerald J. ..... Ohio State (C)
Lee, Francis F. ..... M.I.T. (EE)
Lee, Sul H. ..... Michigan (L)
Lefkovitz, David ..... Pennsylvania (EE)
Lenahan, John J. ..... Houston (C)
Lewis, T.G. ..... Missouri at Rolla (C)
Leyland, George ..... New York (CUNY) (L)
Libbey, Miles A. ..... Indiana (L)
Licklider, Joseph C. ..... M.I.T. (EE)
Lieberman, Irving ..... Washington (Seattle) (L)
Lindstrom, Gary E. ..... Pittsburgh (C)
Liu, Chung L. ..... M.I.T. (EE)
Locke, David M. ..... I.I.T. (Sci. I)
Logsdon, Richard H. ..... New York (CUNY), Queens (L)
London, Gertrude ..... North Carolina at Chapel Hill (L)
Luckham, David C. ..... California at Los Angeles (C)
Lynch, Mary Jo ..... Michigan (L)

Mago, Gyula A. ..... North Carolina at Chapel Hill (C)
Malcolm, Janet M. ..... American (BA)
Maloney, Ruth K. ..... Rutgers (L)
Maghsoodloo, Saeed ..... Auburn (IE)
Maple, Claire G. ..... Iowa State (C)
Maron, Melvin E. ..... California at Berkeley (L)
Martin, David F. ..... California at Los Angeles (C)
Martin, Miles W. ..... Toledo (L)
Martin, Thomas H. ..... Stanford (Comm.)
Matarazzo, James Michael ..... Simmons (L)
Mathis, Robert F. ..... Ohio State (C)
Matta, Scoud M. ..... Pratt (L)
Matthews, Fred ..... Dalhousie (L)
Matula, David W. ..... Washington (St. Louis) (C)
Mauldin, Eugenia ..... Tennessee at Knoxville (L)
Maurer, Ward Douglas ..... California at Berkeley (EE)
Maxian, M. Bruce ..... Long Island (L)
May, James H. ..... Denver (L)
Mayne, Joseph ..... I.I.T. (C)
McClain, Donald H. ..... Iowa (C)
McCusker, Sister Lauretta ..... Rosary (L)
McElderry, Stanley ..... Texas at Austin (L)
Meadow, Charles T. ..... Maryland (L)
Meagher, Jack R. ..... Western Michigan (L)
Mealy, George H. ..... Harvard (C)
Meicler, Marcel ..... Houston (C)
Melkanoff, Michel A. ..... California at Los Angeles (C)
Merriam, Charles ..... Cornell (C)
Meyer, Albert R. ..... M.I.T. (EE)
Meyer, John F. ..... Michigan (C)
Mignon, Edmond ..... Washington (Seattle) (L)
Miller, Edward ..... Missouri at Columbia (L)
Miller, Richard H. ..... Chicago (IS)
Miller, Thomas E. ..... Auburn (EdM)
Mills, David L. ..... Maryland (C)
Mills, Jesse ..... Tennessee at Knoxville (L)
Minker, Jack ..... Maryland (C)
Minsky, Marvin L. ..... M.I.T. (EE)
Miron, M.S. ..... Syracuse (IS)
Mirwis, Allan N. ..... New York (CUNY), Queens (L)
Mitchell, David ..... New York (SUNY) at Albany (L)
Mitroff, Ian ..... Pittsburgh (IS)

Mogull, Robert G. ..... Sacramento State (BA)
Montgomery, K. Leon ..... Pittsburgh (IS)
Moore, E.F. ..... Wisconsin at Madison (C)
Moore, R.E. ..... Wisconsin at Madison (C)
Moré, Jorge J. ..... Cornell (C)
Morehead, Joseph H., Jr. ..... New York (SUNY) at Albany (L)
Morris, Herbert A. ..... Bradley (C)
Moses, Joel ..... M.I.T. (EE)
Mott, Thomas H., Jr. ..... Rutgers (L)
Mukhopadhyay, Amar ..... Iowa (C)
Muntz, Richard R. ..... California at Los Angeles (C)
Murphy, Layton B. ..... Texas at Austin (L)

Nagle, H. Troy, Jr. ..... Auburn (EE)
Narendra, Kumpati S. ..... Yale (IS)
Neill, S.D. ..... Western Ontario (L)
Nemsik, James A. ..... Auburn (EdM)
Newhouse, Albert ..... Houston (C)
Newton, Rita M. ..... Bradley (C)
Nicholson, Peter ..... Minnesota (C)
Noetzel, Andrew S. ..... Texas at Austin (C)
Noonan, Robert E. ..... Maryland (C)

O'Connell, E.J. ..... Syracuse (IS)
O'Connor, John J. ..... Lehigh (IS)
Oettinger, Anthony G. ..... Harvard (C)
Oldehoeft, Arthur E. ..... Iowa State (C)
Olson, Edwin E. ..... Maryland (L)
O'Malley, Michael H. ..... Michigan (C)
O'Neil, Patrick E. ..... M.I.T. (EE)
O'Neil, Edward T. ..... New York (SUNY) at Buffalo (L)
Orden, Alex ..... Chicago (IS); Chicago (L)
Orgren, Carl F. ..... Iowa (L)
Orsini, Lillian K. ..... New York (SUNY) at Albany (L)
Overmyer, La Vahn M. ..... Case Western Reserve (L)

Packer, Katherine H. ..... Toronto (L)
Page, Benjamin F. ..... Washington (Seattle) (L)
Painter, Anne ..... Drexel (L)
Paisley, William ..... Stanford (Comm.)
Palmer, Richard Phillips ..... Simmons (L)
Parker, Edwin ..... Stanford (Comm.)
Patil, Suhas S. ..... M.I.T. (EE)
Paulson, Peter J. ..... New York (SUNY) at Albany (L)
Payne, James A. ..... Oklahoma (C)
Pendrill, G.R. ..... Western Ontario (L)
Pepinsky, Harold B. ..... Ohio State (C)
Perlis, Alan J. ..... Yale (IS)
Peterson, P.L. ..... Syracuse (IS)
Petrarca, Anthony E. ..... Ohio State (C)
Phillips, Dolores J. ..... Toronto (L)
Pia, J.J. ..... Syracuse (IS)
Piggford, Roland R. ..... New York (SUNY) at Albany (L)
Pinkerton, T.B. ..... Wisconsin at Madison (C)
Piternick, Anne Brearley ..... British Columbia (L)
Pizer, Stephen M. ..... North Carolina at Chapel Hill (C)
Pohm, Arthur V. ..... Iowa State (C)
Pollack, Seymour V. ..... Washington (St. Louis) (C)
Pollock, Stephen M. ..... Michigan (IE)
Pople, Harry E. ..... Pittsburgh (C)
Pottle, Christopher ..... Cornell (C)
Pound, Lelia D. ..... Oklahoma (C)
Powers, Sister Mary Luella ..... Rosary (L)
Pratt, Allan ..... Indiana (L)
Pratt, Terence W. ..... Texas at Austin (C)
Prentice, Ann ..... New York (SUNY) at Albany (L)
Preschel, Barbara M. ..... New York (CUNY); Queens (L)
Prywes, Noah S. ..... Pennsylvania (EE)
Purcell, Gary R. ..... Tennessee at Knoxville (L)
Pyle, L. Duane ..... Houston (C)

Randels, James B. ..... Ohio State (C)
Rawski, Conrad H. ..... Case Western Reserve (L)
Reed, David F. ..... New York (SUNY) at Buffalo (L)
Reeker, Larry H. ..... Ohio State (C)
Rees, Alan M. ..... Case Western Reserve (L)
Reitman, Walter ..... Michigan (C)
Reynolds, J.C. ..... Syracuse (IS)
Reynolds, Michael M. ..... Maryland (L)
Rhyne, James ..... Houston (C)
Rice, Stevens ..... Michigan (L)
Richmond, Phyllis A. ..... Case Western Reserve (L)
Rickman, Jon T. ..... Pennsylvania State (C)
Riddle, William E. ..... Michigan (C)
Ritchie, Robert W. ..... Washington (Seattle) (C)
Roberts, Donald F. ..... Stanford (Comm.)
Roberts, Edward G. ..... Georgia Tech (IS)
Robinson, John A. ..... Syracuse (IS)
Rockafellar, Ralph T. ..... Washington (Seattle) (C)
Rocks, James K. ..... American (BA)
Rogers, David E. ..... Georgia Tech (IS)
Rolland-Thomas, Paule ..... Montreal (L)
Roper, Fred ..... North Carolina at Chapel Hill (L)
Rosenberg, Kenyon C. ..... Kent State (L)
Rosenberg, Marvin I. ..... American (BA)
Rosenberg, Victor ..... California at Berkeley (L)
Rosenfeld, Azriel ..... Maryland (C)
Rothacker, J. Michael ..... George Peabody (L)
Rothenberg, M. ..... Syracuse (IS)
Rothstein, Jerome ..... Ohio State (C)
Rubenstein, Herbert ..... Lehigh (IS)
Rubin, Norman ..... New York (CUNY) (L)
Rubinoff, Morris ..... Pennsylvania (EE)
Rush, James E. ..... Ohio State (C)

Sager, Martha C. ..... American (BA)
Salton, Gerard ..... Cornell (C)
Saltzer, Charles ..... Ohio State (C)
Saltzer, Jerome H. ..... M.I.T. (EE)
Samore, Theodore ..... Wisconsin at Milwaukee (L)
Saracevic, Tefko ..... Case Western Reserve (L)
Sass, Maureen ..... Stanford (Comm.)
Schabas, Ann H. ..... Toronto (L)
Schipma, Peter B. ..... I.I.T. (Sci.I)
Schmidt, Charles ..... Tennessee at Knoxville (L)
Schrage, Linus E. ..... Chicago (IS)
Schulte-Albert, H. ..... Western Ontario (L)
Schultheiss, Peter M. ..... Yale (IS)
Schultz, Martin H. ..... Yale (IS)
Schuster, Donald H. ..... Iowa State (C)
Schwartzlander, H. ..... Syracuse (IS)
Semon, W.L. ..... Syracuse (IS)
Sessions, Vivian S. ..... New York (CUNY) (L)
Shapero, Alfred ..... Texas at Austin (L)
Sharify, Nasser ..... Pratt (L)
Shaw, Alan C. ..... Washington (Seattle) (C)
Shearer, Kenneth ..... North Carolina at Chapel Hill (L)
Shepherd, Clayton A. ..... Indiana (L)
Sherman, Donald ..... California at Berkeley (L)
Shirey, Donald L. ..... Pittsburgh (IS)
Shurtleff, Donald ..... Missouri at Columbia (L)
Sibley, Edgar H. ..... Michigan (IE)
Sibley, Robert A., Jr. ..... Houston (C)
Siegmann, Philip J. ..... Georgia Tech (IS)
Siegmann, Robert M. ..... Georgia Tech (IS)
Silverston, Stefan M. ..... Iowa State (C)
Simmons, Peter ..... British Columbia (L)
Simmons, Robert F. ..... Texas at Austin (C); Texas at Austin (L)
Simonton, Wesley ..... Minnesota (L)
Sincovec, Richard F. ..... Kansas State (C)
Sineath, Timothy Wayne ..... Simmons (L)
Skelley, Grant ..... Washington (Seattle) (L)
Slatnecka, Vladimir ..... Georgia Tech (IS)
Slavens, Thomas P. ..... Michigan (L)
Sloan, Lynda W. ..... New York (CUNY) (L)
Sloan, Nathan ..... New York (CUNY) (L)
Slote, Stanley J. ..... New York (CUNY), Queens (L)
Smith, Chester M. ..... Pennsylvania State (C)
Smith, Leo Anthony ..... Auburn (IE)

Smith, Richard D. ..... Washington (Seattle) (L)
Smith, Susan S. ..... New York (SUNY) at Albany (L)
Soergel, Dagobert ..... Maryland (L)
Sondik, Edward J. ..... Stanford (Comm.)
Sparks, C. Glenn ..... Texas at Austin (L)
Speer, Jack ..... Catholic (L)
Squires, Burton ..... Pennsylvania State (C)
Stafford, Robert L. ..... Pittsburgh (C)
Stager, S.P. ..... Missouri at Rolla (C)
Stanat, Donald F. ..... North Carolina at Chapel Hill (C)
Stern, Louis W. ..... Lehigh (IS)
Stevens, John D. ..... Iowa State (C)
Stevenson, Gordon ..... New York (SUNY) at Albany (L)
Stewart, Robert M., Jr. ..... Iowa State (C)
Stockdale, John M. ..... California State at Sacramento (BA)
Stone, Elizabeth W. ..... Catholic (L)
Storm, Edward F. ..... Syracuse (IS)
Strauss, Jon ..... Washington (St. Louis) (L)
Strawn, George P. ..... Iowa State (C)
Stueart, Robert D. ..... Denver (L)
Sudar, D. ..... Western Ontario (L)
Sullivan, Francis E. ..... Pittsburgh (C)
Svenonius, Elaine F. ..... Western Ontario (L)
Svoboda, Antonin ..... California at Los Angeles (L)
Swank, Raynard Coe ..... California at Berkeley (L)
Swanson, Rowena W. ..... Denver (L)
Swanson, Don R. ..... Chicago (L)
Swarthout, Charlene ..... Western Ontario (L)

Tague, J. ..... Western Ontario (L)
Tallman, Johanna E. ..... California at Los Angeles (L)
Tarjan, Robert E. ..... Cornell (C)
Taulbee, Orrin E. ..... Pittsburgh (C)
Taylor, Celianna ..... Ohio State (C)
Taylor, Marion R. ..... Emory (L)
Taylor, Robert S. ..... Syracuse (L)
Thomas, Rex A. ..... Iowa State (C)
Thomas, Sarah ..... Catholic (L)
Thomason, Richmond H. ..... Yale (IS)
Tobey, Robert ..... I.I.T. (C)
Towster, Edwin ..... Iowa (C)
Travis, Irene ..... Maryland (L)
Travis, L.E. ..... Wisconsin at Madison (C)
Treu, Siegfried ..... Pittsburgh (C)
Troxel, Donald E. ..... M.I.T. (EE)
Trucks, Louis B. ..... Auburn (IE)
Tuteur, Franz B. ..... Yale (IS)

Ubhaya, Vasant ..... Washington (St. Louis) (C)
Uhr, L.M. ..... Wisconsin at Madison (C)
Ulrichson, Dean L. ..... Iowa State (C)

Vagianos, Louis ..... Dalhousie (L)
Vaillancourt, Pauline M. ..... New York (SUNY) at Albany (L)
Valach, Miroslav ..... Georgia Tech (IS)
vanGigeh, John ..... California at Sacramento (BA)
Venezky, R.L. ..... Wisconsin (C)
Virgo, Julie A. ..... Chicago (L)
Voos, Henry ..... Rutgers (L)

Waldart, Thomas J. ..... Kentucky (L)
Walkup, David W. ..... Washington (St. Louis) (C)
Wallace, Victor L. ..... North Carolina at Chapel Hill (C)
Walljasper, Stanley J. ..... Pittsburgh (C)
Walston, Claude E. ..... Maryland (L)
Ward, R.E. ..... Syracuse (IS)
Wasserman, Paul ..... Maryland (L)
Webster, Dennis B. ..... Auburn (IE)
Weeg, Gerard P. ..... Iowa (C)
Wegbreit, Elint L. ..... Harvard (C)
Weil, Roman L. ..... Chicago (IS)
Weiner, Peter ..... Yale (IS)
Weinkam, James J. ..... Washington (St. Louis) (C)
Weinstein, Frederick D. ..... New York (SUNY) at Albany (L)
Weiss, Stephen F. ..... North Carolina at Chapel Hill (C); North Carolina at Chapel Hill (L)
Weizenbaum, Joseph ..... M.I.T. (EE)
Wellisch, Hans ..... Maryland (L)
Welt, Isaac D. ..... American (BA)
Whalen, Lucille ..... New York (SUNY) at Albany (L)
Whitby, Thomas J. ..... Denver (L)
White, Charles R. ..... Auburn (IE)
White, Janette H. ..... Western Ontario (L)
White, Lee J. ..... Ohio State (C)
Whitbeck, George W. ..... Michigan (L)
Whitlock, James W. ..... George Peabody (L)
Wigington, Ronald L. ..... Ohio State (C)
Williams, James ..... Pittsburgh (IS)
Williams, John H. ..... Cornell (C)
Williams, Martha E. ..... I.I.T. (Sci.I)
Windeknecht, Thomas G. ..... Georgia Tech (IS)
Winograd, Terry A ..... M.I.T. (EE)
Winston, Patrick H. ..... M.I.T. (EE)
Witty, Francis J. ..... Catholic (L)
Wojcik, Anthony ..... I.I.T. (C)
Wolfson, R. ..... Syracuse (IS)
Wong, Eugene ..... California at Berkely (EE)
Woods, William A., Jr. ..... Harvard (C)
Wright, Charles T., Jr. ..... Iowa State (C)
Wyatt, Joe B. ..... Houston (C)
Wyllys, Ronald ..... Texas at Austin (L)
Wyman, J.C. ..... Syracuse (IS)

Yamada, Hisao M. ..... Pennsylvania (EE)
Yngve, Victor H. ..... Chicago (IS); Chicago (L)
Yovits, Marshall C. ..... Ohio State (C)
Yu, Dahsoong ..... Oklahoma (C)

Zadeh, Lofti A. ..... California at Berkeley (EE)
Zaloom, Victor Anthony ..... Auburn (IE)
Zeigler, Bernard P. ..... Michigan (C)
Zeitlin, Lawrence R. ..... New York (CUNY) (L)
Zelkowitz, Marvin ..... Maryland (C)
Zingg, Roy J. ..... Iowa State (C)
Zwart, Philip B. ..... Washington (St. Louis) (C)
Zunde, Pranas ..... Georgia Tech (IS)

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