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Social Research in New York City, has been appointed Executive Secretary of the Division of Behavioral Sciences of the National Research Council. The announcement was made by Frederick Seitz, President of the National Academy of Sciences and Chairman of the Research Council. Dr. David assumed his new responsibilities December 1, 1966, succeeding Peter B. Hammond, who resigned in August to devote full time to writing.

Among its recent activities, the NRC Division of Behavioral Sciences is preparing a report on the automatic processing of language data by electronic computers, including machine translation of foreign languages; and has formed two new committees, one to assess the present and potential use of computers in the behavioral sciences, and the other to advise on matters of policy in government-supported programs in the behavioral sciences carried out both at home and abroad. The Division is also planning a comprehensive survey of the status and future financial needs of the behavioral and social sciences in the United States, one of a series of studies carried out under the guidance of the NAS Committee on Science and Public Policy.

Other major activities within the Division are the work of its Committees on Vision and on Hearing, Bioacoustics and Biomechanics, both of which function in cooperation with the Armed Forces, Federal Aviation Agency, and the National Aeronautics and Space Administration. Working groups of these committees have recently dealt with such problems as the testing of hearing, loss of visual acuity with age, effects of sonic boom and jet aircraft noise, and noise levels near airports.

Publications

A 143 page catalog of publications of the NAS-NRC is available from the Printing and Publishing Office, 2101 Constitution Ave., N.W., Washington, D.C. 20418. Over 25 different topics are treated including: building research, documentation, education, engineering research, mathematics, natural resources, patent policy, psychology, science and public policy, and transportation.

E D U C A T I O N A L N E W S

Fellowship and Research Opportunities in Mathematics

A brochure describing fellowships and research grants in the mathematical sciences is available from: Division of Mathematical Sciences, NAS-NRC, 2101 Constitution Ave., N.W., Washington, D.C. 20418. The 20 page brochure describes fellowships and grants available from 40 different agencies, giving closing dates for applications and instructions on where to write for application forms.

New Programs at State University of New York at Albany

The State University of New York at Albany has, in effect, a new Master of Business Administration program incorporating modern trends in advanced business education. One of the features of the program is the optional concentration in statistics and operations research.

The influence of quantitative approaches to decision making is also reflected in a new undergraduate curriculum which requires six semester hours of statistics and operations research and provides the option of an integrated sequence of 15 semester hours in these subjects.

More information about either of these programs can be obtained by writing: Prof. A. C. Mossin, Chairman, Department of Management, School of Business, State University of New York at Albany, 135 Western Ave., Albany, New York 12203.

Doctoral Program at the University of Massachusetts

A Ph.D. program in industrial engineering, the first one in New England, has been established at the University of Massachusetts, at Amherst, Massachusetts. The program, one of approximately 25 in the U.S., will prepare graduates for work in industry, research, and teaching.

Approval of the new doctoral program has been voted by the UMass Board of Trustees, which has also raised the industrial engineering program at UMass to department status.

Richard W. Trueswell, who directed planning for the Ph.D. program and heads the new department, states that the doctoral level program in industrial engineering will stress both the traditional aspect of industrial engineering and the newer operations research or operations analysis approach to the field.

Doctoral graduates who stress operations research in their program will be prepared for work in operations research groups at the corporate planning level, in research, or for academic careers. B.S. and M.S. graduates will be prepared for work at the operating level and middle management level positions.

The two major areas of graduate study will be operations research and manufacturing and production. Minor areas will include data processing and information handling systems.

Industrial engineering first started at UMass as an optional program under mechanical engineering in 1950. B.S. and M.S. degrees in industrial engineering were first offered in 1963. The UMass School of Engineering also offers graduate degrees in civil, electrical, mechanical, and chemical engineering. The School of Engineering has a faculty of approximately 60, some 900 undergraduate, and 125 graduate students.

For more information, write the University of Massachusetts, Amherst, Massachusetts 01003.

IE-OR at University of California, Berkeley

The University of California, Berkeley, offers both upper division and graduate programs in industrial engineering and operations research.

The objectives of the graduate program are to prepare students for careers in teaching, research, and industry. Emphasis is placed on the development and use of mathematical models to solve operational and system design problems in modern technologies. For example, current research programs involve studies of the planning and scheduling of industrial production and the problems of investment and routing in public transportation and communication industries. Students also study the storage and release rules of water supplies, fire-fighting strategies for preserving forests, and search and exploration techniques for the development of mineral resources.

Students obtain a strong background in the techniques of mathematical analysis and probability theory; they then learn how to develop constructive procedures for modeling and solving problems as well as to initiate new theoretical methods of analysis. Minor fields for the Ph.D. are commonly taken in probability and statistics, economics, mathematics, computer sciences and other fields of engineering. Course and research work involving modern computers is an integral part of the program. Research facilities available to graduate students include the Operations Research Center, the Human Factors Laboratory, libraries, a computer center, and a variety of hybrid time-sharing computer satellites.

More information about the program can be obtained from: Prof. Robert M. Oliver, Chairman, Department of Industrial Engineering and Operations Research, University of California, Berkeley, California 94720.

A brochure describing the several forms of financial assistance for students is also available.

UCLA Short Courses

The University of California, Los Angeles, will hold a one day symposium on Computer Science and Statistics on February 1, 1967. The symposium is sponsored by University of California Extension in cooperation with the American Statistical Association and the Association for Computing Machinery. The purpose of the symposium is to encourage discussion between computer scientists and statisticians. For more information write: Business Administration Extension Conferences, 2381 CBA, University of California, Los Angeles 90024, or telephone: 213-278-8911, Ext. 4352.

The University of California, Los Angeles, announces the thirteenth offering of the Engineering and Management Course, March 19-25, 1967. Twenty-four classes concerned with recent developments in engineering and management are offered. Each participant selects the four subjects which will contribute most to his professional development.

More information about courses offered, teaching staff, fees, and enrollment can be obtained from: Reno R. Cole, Room 6266 Boelter Hall, University of California, Los Angeles, California 90024.

Management Science Institute at UCLA

The Western Management Science Institute, a unit of the Graduate School of Business Administration at UCLA, was established in 1959 to foster the advancement of research and education in the management sciences. Initial financial support was provided by a grant from the Ford Foundation. This is currently supplemented by support from the Office of Naval Research, the National Science Foundation and the university itself. Overall policy guidance is provided by an interdepartmental Advisory Committee representing the Departments of Economics, Engineering, Mathematics, Business Administration, and the university's Office of Research and Extramural Support.

Most research at WMSI revolves about the broad topic of *optimal-decision-making*, whether in management, engineering or social science contexts. Accordingly, the research staff is multi-disciplinary, with mathematics (including probability theory) and computer science providing the essential unity of approach and common language.

Although WMSI is not a teaching department of the university, most of the research associates of the Institute are also regular faculty members. As such they teach regularly scheduled courses in the management sciences and related fields, and endeavor to draw graduate students into the mainstream of their research.

More information about WMSI is contained in the annual report for 1965-66, available from the Graduate School of Business Administration, University of California, Los Angeles, California 90024.

Management Systems Institute at the University of Georgia

The Institute for Management Systems Development and Analysis is responsible for developing and implementing programs of instruction, research, and service. It is operated jointly by the University of Georgia and System Development Corporation (SDC). SDC is a non-profit corporation, with headquarters in Santa Monica, California, specializing in the design and development of computer-based command-control and management information systems for military, governmental, scientific, and educational applications. The Institute for Management Systems Development and Analysis is located in Candler Hall on the University of Georgia campus and is an integral part of the University's operations through the Graduate School of Business Administration.

The Institute has the following objectives:

To promote more effective applications of management systems technology and electronic data processing in Georgia and the Southeastern region.

To advise and consult with business and governmental leaders in the University's area of service concerning the development of information systems for increased growth and efficiency.

To contract with business association and governmental organizations for research and development relative to computer applications in management and administration.

To develop workshops, conferences and seminars for the training of business and government leaders in the use of electronic data processing systems.

To cooperate closely with the Computer Center, University of Georgia, in developing better and more effective service programs to business, government and industry.

To develop programs for the professional development of University of Georgia faculty members and students in the use of advanced management techniques.

For more information about the Institute, write: The Institute for Management Systems Development and Analysis, Graduate School of Business Administration, 202 Candler Hall, University of Georgia, Athens, 30601. Telephone: (404) 542-3521.

MEETING ANNOUNCEMENTS

Symposium in Israel in September, 1967

An International Symposium on Automation of Population Register Systems will be held in Jerusalem, Israel, from September 25-28, 1967.

The Symposium is being organized by the Information Processing Association of Israel (IPA) under the patronage of the Minister of the Interior, and is being sponsored by the International Computation Centre (ICC) and the International Federation for Information Processing (IFIP).

For information write: Information Processing Association of Israel, P.O. Box 3009, Jerusalem, Israel.

Call for Papers

The Computer Personnel Research Group's Fifth Annual Conference will be held in Washington, D.C. in late June 1967. Papers concerned with research in the following major areas will be considered:

1. Identification and selection of computer personnel with emphasis on development and validation of selection instruments.
2. Training and development of computer personnel with emphasis on new or revised techniques.
3. Current and anticipated changes in knowledge and skills needed by computer personnel.
4. Problems and skills involved in management of computer personnel.

Authors are requested to submit a 300-word summary (problem procedure, results and conclusions) of their research to: Dr. Charles D. Lothridge, General Electric Company, 570 Lexington Avenue, New York, N.Y. 10022 by February 1, 1967. Authors will be notified of selection by March 1, 1967.

ORSA Meeting in New York in May

The 31st National Meeting of the Operations Research Society of America will be held May 31 to June 2, 1967 in New York City, in the New York Hilton Hotel.