CALANDER

May 3-5 — Third Annual Symposium on Theory of Computing
ACM, Stouffer’s Somerset Inn, Shaker Heights, Ohio. Contact: Dr. Phillip Lewis II, GE Advanced Research & Development Center, Schenectady, N.Y. 12308.

May 10-12 — Electronic Components Conference
IEEE (G-PMP) and EIA, Statler Hilton, Washington, D.C. Contact: E. Moss, Mallory Capacitor Co., 3029 E. Washington St., Indianapolis, Indiana 46206.

May 17-19 — Aerospace Electronics Conference (NAECON)
IEEE (G-AES), Dayton Section, Sherraton Dayton, Dayton, Ohio. Contact: IEEE Dayton Office, 124 E. Monument Ave., Dayton, Ohio 45402.

May 18-20 — SPRING JOINT COMPUTER CONFERENCE (SJCC)
AFIPS, Computer Terminal Center, Atlantic City, N.J. Contact: AFIPS, 210 Summit Ave., Montvale, N.J. 07645.


May 25 — National Microfilm Convention
NMA, Sheraton Park Hotel, Washington, D.C. Contact: David Banks or John Meek, National Microfilm Assn., 8728 Colseville Rd., Silver Springs, Maryland 20910.

June 7-8 — Symposium on Applications of Ferroelectrics
IEEE (G-SU), IBM Research Center, Yorktown Heights, N.Y. and Holiday Inn, White Plains, N.Y. Contact: L. E. Osam, Penn State University, State College, Pennsylvania.

June 7-8 — 71 Management Science Management Info. and Control Systems Conference

June 8 — SYMPOSIUM ON LSI MEMORY

June 14-16 — International Conference on Communications
IEEE (G-Com Tech, Montreal Section), Queen Elizabeth Hotel, Montreal, Quebec, Canada. Contact: W. C. Benger, Northern Electric Co. Ltd., P.O. Box 3511, Station C, Ottawa 3, Ontario, Canada.

June 21-23 — International Congress on Instrumentation in Aerospace Simulation
IEEE (G-AES), Von Karman Institute of Fluid Dynamics, Genese, Belgium.


June 22-25 — ’71 International Data Processing Conference and Business Education Conference
DPMA, Houston, Texas. Contact: Steve Cohn, 505 Busse Highway, Park Ridge, Illinois 60068.

June 28-30 — 8TH DESIGN AUTOMATION WORKSHOP
IEEE Computer Society, ACM, SHARE, Shelburne Hotel, Atlantic City, N.J. Contact: A. H. Halpin, California Software Assoc., 2100 Seventh Blvd., No. 42, Manhattan Beach, Calif. 90266.

July 6-7 — International Symposium on Information Systems for Designers
University of Southampton. Contact: Mrs. M. von Benko, Design Group, Dept. of Mechanical Engineering, The University, Southampton, S05 9 NH, England.

July 19-21 — ’71 SUMMER SIMULATION CONFERENCE
IEEE Computer Society, AIAA, ISA, SCI, AMS, et al, Boston Sheraton Hotel, Boston. Contact: H. Freitag, IBM Watson Research Center, P.O. Box 218, Yorktown Heights, N.Y. 10598.

July 25-30 — International Computer Exposition for Latin America
Computing Society of Mexico, Camino Real Hotel, Mexico City. Contact: Computing Society of Mexico, 40 West Ridgewood, New Jersey 07450.

August 11-13 — Joint Automatic Control Conference

August 18-19 — INTERNATIONAL SYMPOSIUM ON THEORY OF MACHINES AND COMPUTATIONS
IEEE Computer Society and Technion (Israel Institute of Technology), Haifa, Israel. Contact: R. E. Miller, IBM Research Center, P.O. Box 218, Yorktown Heights, N.Y. 10598.

August 23-26 — IFIP CONGRESS ’71
AFIPS, Ljubljana, Yugoslavia. Contact: AFIPS, 210 Summit Ave., Montvale, N.J. 07645.

August 24-27 — Western Electronic Show & Convention (WESCON)

August 25-27 — International Geoscience Electronics Symposium
IEEE (G-GE), Marriott Twin Bridges Motor Hotel, Washington, D.C. Contact: M. T. Miyasaki, Johns Hopkins University, 8621 Georgia Ave., Silver Springs, Maryland 20910.

August 30 - September 10 — International Advanced Summer Institute on Microwave Engineering
NATO Scientific Affairs Divisions, Saint Raphael (French Riviera), France. Contact: Guy Boulaye, Institut de Mathe-matiques Appliquees, Cedeex 53, 38- Grenoble/Gare, France.

September 6-10 — London International Symposium on Network Theory
IEEE (G-CT, UKR Section), IEE, IERE, City University, London, England. Contact: G. S. Brayshaw, City University, St. John St., London E. C. 1, England.

September 7-9 — Conference on Computers for Analysis and Control In Medical and Biological Research

September 7-10 — Conference on “Displays”

September 13-14 — 4TH ANNUAL WORKSHOP ON MICROPROGRAMMING

September 14-16 — Solid State Devices Conference

September 21-23 — International Conference on Engineering in the Ocean Environment
IEEE (Oceanography Coordinating Committee/San Diego Section), Shera-ton Inn of Harbor Island, San Diego, Calif. Contact: Maurice Nelles, Bissett-Berman Corp., 3939 Ruffin Rd., San Diego, Calif. 92112.

September 22-24 — 71 COMPUTER SOCIETY CONFERENCE

October 4-5 — ’71 Joint Engineering Management Conference

October 4-6 — International Electrical & Electronics Conference & Exhibition
Canadian Region, Automotive Bldg., Exhibition Park, Toronto, Ontario, Canada. Contact: Conference Office, 1819 Yonge Street, Toronto 7, Ontario, Canada, c/o Mr. W. V. Tilton.

October 6-7 — TECHNIQUES IN SYSTEMS PERFORMANCE EVALUATION

October 6-8 — Electronic & Aerospace Systems Convention (EASCON)

CONTINUED ON PAGE 40
Guide to Computer Literature Discontinued

Publication of the Guide to Current Computer Literature, a feature which appeared regularly at the rear of each issue of COMPUTER, has been discontinued with this issue. The information, including author index, bibliography, and permitted title index, will continue to be gathered and made available through the Computer Society Repository.

Summer Computer Simulation Conference

The 1971 Summer Computer Simulation Conference, July 19-21 at the Sheraton-Benzon Hotel, will present over 160 technical papers, 12 from foreign countries, which stress the conceptual aspects of computer simulation in a broad range of applications, including the physical, life, earth, and social sciences. Speakers will include computer users and designers of simulation hardware and software. The conference features prominent keynote and luncheon speakers in the fields of industrial sociocconomics and urban/environment development. An attendance of 500 is expected.

Sponsors for the conference include: ACM — Association for Computing Machinery
AIAA — American Institute of Aeronautics and Astronautics
AIChE — American Institute of Chemical Engineers
AMS — American Meteorological Society
BSC — Board of Simulation Conferences (tentative title)
IEEE — Institute of Electrical and Electronics Engineers, Computer Society
ISA — Instrument Society of America
SCI — Simulation Councils, Inc.
SHARE — IBM Users Group.

The advance registration fee (to be mailed by June 15, 1971) for members of a sponsoring society is $50.00, and for non-members is $55.00. Registration at the conference is an additional $5.00. Full time student registration is $25.00. Upon request, advanced programs with registration forms will be mailed out by the Printing and Mailing Chairman.

Dr. T. Utsumi
General Chairman
1971 SCSC
Stone & Webster Engineering Corp.
P.O. Box 2325
Boston, Mass. 02107

Glossary on Fault-Tolerant Computing

The IEEE Computer Society Technical Committee on Fault-Tolerant Computing is initiating the preparation of a glossary of terms, definitions, acronyms and abbreviations applicable to fault-tolerant computing hardware and software.

Members of the Technical Committee, of the IEEE Computer Society, and non-members at large interested in a Fault-Tolerant Computing Glossary are urged to contribute. The task goal is to include both terms from the general field of computing which have acquired a special meaning within the fault-tolerant computing area, and new terms which have originated within the area. The glossary will attempt to cover the fields of fault-tolerant computer architecture, redundancy, diagnosis, testing, self-repair, reliability modeling, fault-tolerant software design, software debugging, program validation and software-hardware interfaces. Readers knowing of ambiguities which have arisen in the application or definition of terms are particularly invited to identify such ambiguities and submit suggestions for their resolution.

The Technical Committee co-ordinator for this effort is Mr. Daniel G. Egan, The Aerospace Corporation, W/P.O. Box 9895, Los Angeles, California 90045, (213) 648-5460. All those interested in having a Fault-Tolerant Computing Glossary compiled are urged to send lists of suggested terms, definitions, etc., to Mr. Egan.

LSI Memory Tutorial

A one day tutorial symposium on LSI memories, sponsored by the IEEE Computer Society and the Electronics Device Group, has been scheduled for June 8 at the Jack Tar Hotel in San Francisco.

Dr. Frank Greene of Fairchild and Dr. Ron Whittier from Intel will cover memory components and technology. Prof. Dave Hodges, University of California at Berkeley will discuss memory systems organizations; Dr. Wendell Sander of Fairchild will discuss overall memory considerations. Logic from memory will be covered by Dr. Bill Davidow, Signetics Memory.

Registration (including lunch): before May 17 — students $10; IEEE or Computer Society members $15; non-members $20. After May 17 registration fees are an additional $5. For further information contact the symposium chairman, Dr. Frank Greene, Fairchild Research and Development, 4001 Miranda Avenue, Palo Alto, California 94304.

Conservation of Mankind Conference Theme

The IEEE Sacramento Section will be holding the 1971 Region Six Conference, May 11-13, at the Wood Lake Inn, Sacramento, California. The conference theme is "Engineering for the Conservation of Mankind." Among the sessions are several on computer hardware and software, computer applications and computer-aided design. For hotel reservation and conference information, contact Marilyn W. Smith, 5616 Seward Court, Sacramento, California 95819.
IFIP Needs U.S. Volunteers

IFIP, the International Federation for Information Processing, would like to increase the involvement of US engineers in its many activities. Ed Harder, long involved with IFIP and now its treasurer, describes the type of volunteer they hope to find:

"Someone to whom it is personally and professionally advantageous to have broad international acquaintance and participation in the professional activities in this area."

"Someone who is personally interested in making a substantial professional contribution in the international arena — to help the world."

"He should be an American since here are the leading developments and we can best bring them to the world."

"He should have experience in professional society activities and ability in his technical area."

"Naturally there are important and useful jobs for persons who cannot meet all three of these conditions, but who have other special qualifications."

If you are interested in IFIP, contact Dr. Richard Tanaka, chairman of IFIP's Manpower Committee. His address is: California Computer Products, Inc., 305 Muller St., Anaheim, Calif. 92803.

IFAC Process Control Symposium at Purdue

A symposium, "The Operator, Engineer and Management Interface with the Process Control Computer," will be held at Purdue University on August 3-6. The symposium is sponsored by the International Federation of Automatic Control (IFAC) and the Instrument Society of America. For further information contact: Theodore Williams, Purdue University, University Extension, Lafayette, Indiana 47907.

1971 SID International Symposium and Exhibition

The broadening technological progress in information display achieved by industry, government and university laboratories will be reflected in a dynamic day-evening program at the forthcoming SID International Symposium and Exhibition, May 4-6, at the Sheraton Hotel, Philadelphia. A major keynote address on "Display Needs of the Civilian Federal Agencies" will be delivered by L. A. Goldmuntz, Executive Secretary/Federal Council for Science and Technology and Assistant to the Science Advisor to the President.

Luncheon and invited talks will also accent the spiraling impact of information display on society.

On the opening day, Leon D. Harmon, Bell Telephone Laboratories, will, in a revealing presentation on human vision, cite its relationship to anatomy, physiology, pattern recognition and illusion.

Experiences with CRT displays during election TV coverage will be described by Thomas D. Kegelman, Computer Optics, in another luncheon address. The 1970 NBC election coverage will be used to illustrate the use and systems requirements of video-data display for the rapid distribution of computer data.

The dramatic history of color perception will be traced by Arthur Karp, Stanford Research Institute, in an invited talk, implemented by optical demonstrations and audience participation.

The transformation of management displays into a dynamic interactive medium that is revolutionizing decision making and affecting the structure of management will be discussed by Alexander Forest, Planoscope Corporation, in an invited address on "The Role of Dynamic Displays in Decision Making."

Over 100 from here and abroad will participate in 15 day-evening sessions and informal panel discussions. Among the topics covered will be: advances in cathodoluminescent screens, digital-beam indexing, computer display applications, plasma displays, liquid crystals, a new class of displays using cholesteric materials, and many other topics will be covered.

A formal opening ceremony on the afternoon of the first day will feature presentation of SID awards for the best papers delivered at last year's meeting and for outstanding contributions to the technology.

A 3-day exhibition will also be held in conjunction with the symposium in the huge exposition hall of the Sheraton. All registrants at the SID '71 technical sessions will receive a copy of the annual symposium report in the form of a DIGEST OF TECHNICAL PAPERS that will include illustrated condensations of all papers — invited and contributed.

Additional copies will be available at the meeting and thereafter — $10.00 to members and $15.00 to non-members — through the SID headquarters.

Pre-registration fees at SID '71 for members is $30.00; nonmembers, $40.00. Fees at the symposium will be $40.00 for members and $50.00 for nonmembers.

Programs, with symposium registration and hotel reservation forms can be obtained from SID or from Lewis Winner, 152 West 42nd Street, New York, N.Y. 10036, who is serving as symposium consultant.

The general chairman of SID '71 is Bernard J. Lechner, head of the Peripheral Equipment Group of the Data-processing Applied-research Laboratory, RCA Laboratories, Princeton, N.J.

Thomas E. Bray, program chairman, is manager, audio/video engineering, General Electric Visual Communications Products Department, Syracuse, N.Y.

Operating Systems Symposium

The third symposium on operating systems principles will be held at Stanford University from October 18-20, 1971. Sponsored by the ACM's Special Interest Group on Operating Systems and hosted by Stanford's Digital Systems Laboratory (Prof. E. J. McCluskey, Chairman), the symposium will cover topics such as system measurement and evaluation, protection and reliability, interprocess communications, strategies for resource management, simulation studies, and proving correctness of systems program.

Registration is limited to 150 attendees with a fee of $50.00 for ACM members — $65 for non-members. Each application for registration should be accompanied by a brief statement of the applicant's background in operating systems, current research activities and affiliation. Applications should be sent before July 15 to: N. A. Fortis, Poly Hall, Stanford University, Stanford, California 94305.
Situations Wanted
Advertising Accepted
Free for Members

In view of the current unemployment situation, COMPUTER magazine will print situations wanted classified advertising for any Computer Society member without charge. If you're out of work and think you may be in the near future, send your situation wanted notice of 100 words or less to COMPUTER magazine, 8949 Reseda Blvd., Suite 202, Northridge, California 91324. Make sure to include your IEEE Computer Society membership number in your correspondence.

SITUATIONS WANTED

☐ R&D or D&D in the field of control systems and communications technology with broad responsibility. BSEE (Power) and MSEE (Controls and Communications). One year experience in design and development of solid state and/or hybrid circuits for control modules and related phases to complete prototype or production unit, as project engineer. Contact care of Computer magazine, S-107.

☐ Need help... with engineering/management problems? Senior electronics engineer, M.Sc. degree, with broad experience, twelve years in computer industry, recent work in communications and remote terminals seeks position as line, project, program manager of professional technical personnel or staff consultant, planning, evaluation, coordination. Minneapolis/St. Paul area. Contact care of Computer, S-108.


☐ Nineteen years experience in design and development of information systems for commercial, industrial and military applications. Background includes radar, computer, data display, data storage and computer software development. Management positions include direction of program engineering, software development, systems analysis, marketing and proposal work. Program achievements include successful development, delivery and acceptance within budgets and schedules; a high success rate in marketing and proposal work. Seek opportunity to fully utilize management, hardware and software background in a position with challenge, in the management, peripheral or user industry. BSEE; graduate work in systems engineering, probability, economic theory and management courses. Contact care of Computer, S-110.

☐ BSEE, age 23, married, graduate in May from University of Iowa. Seek employment in computer design or other computer oriented engineering. Programming languages: FORTRAN IV, PL1, IBM/360 Assembler, SYMBOL-B2. Will locate anywhere in U.S. Contact care of Computer, S-111.

☐ MSEE and extensive additional graduate work in computer sciences, switching and automata theory. Nine years experience in computer industry using large and small computers to solve both business and scientific problems. Software experience in linking files, swapping data, developing models, synthesis of business applications, partitioning data, address manipulations using stacks and threaded lists, and substantial program. Hardware experience includes planning a 360/67 installation, analysis of small computer failures, analysis of CRT terminals for special applications including time-sharing, logical planning of computer systems, and system considerations such as timing, memory requirements, and communication compatibility. Contact care of Computer, S-112.

CALL FOR PAPERS

Tenth Annual Conference — Southeastern Region of the ACM

June 17, 18, and 19, 1971, Admiral Semmes Hotel, Mobile, Alabama. Submission of original statements on the state-of-the-art, evaluations, tutorial treatments and other important issues to do with computer technology is encouraged. Topics include: interactive communication systems, business data base concepts and experience, university computing systems, engineering applications, hospital information systems, laboratory automation, government data systems, hardware evaluations, software performance, new language processors, new operating systems, and computational techniques. For information on submission of papers, contact: C. G. Catledge, Technical Program Committee, 5716 Freemont Drive, Mobile, Alabama 36609.

Topics include, but are not limited to: design of languages to facilitate proofs, relationship of formal language definition to proofs of assertions, equivalence to problems of logic, implications of undecidability results, and proof methods based on induction. The author must submit in triplicate a detailed abstract or brief abstract and an initial draft by July 30, 1971, to R. H. Stark, Computer Science Dept., New Mexico State University, Las Cruces, New Mexico 88001.

International Zurich Seminar on Integrated Systems for Speech, Video and Data Communications

March 15-17, 1972, Swiss Federal Institute of Technology, Zurich, Switzerland. Recent progress in the general area of digital processing of analog signals and the theory of network synchronization will be covered by invited papers. Original contributions describing significant contributions in the field of Integrated Digital Communication Systems are invited. Topics covered might include: theoretical foundations for development of integrated digital communication systems (e.g. switched networks for mixed digital services; digital coding of speech, video, etc.; engineering aspects of network synchronization; and the problem of introducing digital techniques into existing networks. Only papers which follow these instructions will be considered: a 35-word informative abstract and a 300-500 word summary to be submitted by Sept. 1, 1971 to Dr. A. E. Bachmann, PTT Research Laboratories, Speichergasse 6, CH-3000, Bern, Switzerland.

ACM Second Symposium on Problems in the Optimization of Data Communication Systems

October 20-22, 1971, Stanford University, Palo Alto, Calif. Topics include computer communication system design, analysis, and research. Papers being sought include: advances in data communication networks; computer communication technology; new applications and application models; software organization for communications; systems modeling, evaluation, optimization; interface problems and standards. Notice of intention to submit a paper with brief description are due now and should be sent to the program chairman, M. Karnaugh, T. J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598. Three copies of a 5000 word draft with informative abstract are due April 30, 1971.

1971 IEEE Joint Conference on Sensing of Environmental Pollutants

Nov. 8-10, 1971, Canana Hyatt House, Palo Alto, Calif. An exchange of information on the basic phenomenology related to sensing and measurement of pollution of air, water, and land environment is scheduled. Papers are solicited which emphasize the physical and chemical processes involved in...
instrumentation for detecting and measuring specific contaminants. Three copies of 1000 word draft or abstract are due by May 14, 1971 to: Dr. Robert Chapman, Beckman Instrument Co., 2500 Harbor Blvd., Fullerton, Calif.

IEEE Conference on Trends in On-Line Computer Control Systems


Workshop on System Performance Evaluation (IEEE Computer Society, IEEE Midwest Area Committee, and Argonne National Laboratory), October 6-7, 1971, Argonne National Laboratory, Illinois. Topics include: but are not limited to:
1. Hardware and software instrumentation.
2. System measurements as aids to scheduling and resource allocation.
3. Selection of measures for quantifying system performance and prediction of system capabilities in terms of these measures.
4. Analysis and adjustment of operating system performance and application programs.
5. Analytic and simulation modeling techniques.
6. Execution analysis and relation to program compilation, increasing entropy, new architectures, and language structure.
7. Sensitivity of performance to configuration parameters.

Comments From Our Readers
The March/April edition of Computer featuring semiconductor memories provoked a great deal of favorable comments in the reader service card. For example:
"Liked all the articles without exception; keep up the good work." — R. Moresian, Grumman Aerospace.
"The Computer RAMS-A Status Report' was a very informative article." — Robert Miller, UNIVAC Communications & Terminals Division.

"Liked very much the five articles on memory: neither tedious nor superficial." — Frank Carbin, IBM Corp.
"Very good articles on semiconductor memories, particularly those by House & Henzen, analysis of present & future design trends — also good summary of computer communications workshop." — R. D. Miller, Darling & Alsbrook.

Of course nobody agreed ..."Interesting articles but not in depth." — Alan Hayes, Univ. of Utah.
"The articles were interesting but gave little information on the design requirements for using the memories." — Allan Susman, Computer Graphics.

There were also some suggestions: "... an issue concerning architecture only, for those in semiconductor design unfamiliar with computer structure." — Carl Gilbert, National Semiconductor.

"Have one article per issue which gets into technical problems on a user level (similar to Gray's, this issue); not all problems need be hardware oriented ..." — Frank C. H. Reim, IBM.

"More emphasis on software." — R. A. Brauburger, Chrysler Corp.

"Add more programming topics for more balanced hardware/software journal." — John M. Moran, M.I.T.

Although the great majority of our responses have commented favorably on Computer's format and graphics, occasionally we get a negative note: "(This issue was) generally good, I find your format 'noisy' excessive borders, stylized lead letters (page 5), irrelevant illustration (page 6). The text and technical content is good to excellent." — Thomas McCormack, Sanders Associates.

"I feel that too much time, space, and money is spent on the 'new' Computer Group News (white spaces, block titles, lines, etc.)." — George Homer, Autometics.

All of your comments, both negative and positive, help us in publishing a magazine that meets your professional needs. Use the reader service card at the rear of this issue and let us have your comments and suggestions. We appreciate hearing from you.

CIRCLE 62 ON READER SERVICE CARD

ACM '71:
The Computer as a Tool to Improve the Quality of Life

A program, designed to make data processing professionals more aware of their role in solving today's pressing problems as well as promoting broader public acceptance for computer technology, is rapidly taking shape for the Association for Computing Machinery '71 Conference to be held in Chicago at the Conrad Hilton, August 3-5. This annual meeting will also mark the 25th anniversary of the first practical use of an electronic computer and most of the distinguished pioneers in the new science will be invited to attend.

Theme of ACM '71 is "A Decade of Dialogue" representing a continuation of the effort at last year's highly suc-cessful meeting to bring computer scientists and the general public into a closer mutual understanding of the computer's potential in finding solutions to the complex problems of today.

SHORT COURSES

The ACM will hold Professional Development Seminars in May and June, 1971 in various locations in the country. Topics will include: Advanced Data Base, Data Communications I and II, Advanced Cobol, and Computer Input Systems. For further information contact: ACM Professional Development, 1130 Avenue of the Americas, New York, N. Y. 10036.

The University of Calif. at Los Angeles Extension will hold a series of short courses in June, 1971. Topics will include: Optimal Routing Networks: Computer-Communications, Transport & Switching; Computer Systems Modeling: Tools & Applications; Mass Information Utilities; Computer Applications of Biological Mathematics; and Recent Advances in Computer Communications. Fees range from $325 to $440. For additional program information write to: P.O. Box 24902, Continuing Education in Engineering and Science, University Extension, UCLA, Los Angeles, Calif. 90024.

Purdue University, Lafayette, Indiana will present short course programs in Automatic Control Theory, Digital Control Systems, and Process Control, June through November 1971. Courses include: Statistical Methods and Advanced Quality Control (June 14-24); Digital Process Control Systems (Oct. 11-20); Modeling of Industrial Processes for Computer Control (Nov. 1-10); and Process Control (Nov. 15-20). For further information contact: Short Course Programs, Room 116, Memorial Center, Purdue University, Lafayette, Indiana 47907.

The Latin American School for Space Research will hold a Space Electronics Course the first three weeks of July, 1971 at the National University of Tucuman, Argentina. The program will include: aerospace environment, sensors, and electronic instrumentation; data processing; telemetry and communication systems; and seminar: "Analysis of a typical space project." The course will be of particular interest to the heads of research groups in electronics of space projects. For further information write to: Comision Nacional de Investigaciones Espaciales, Vice Presidentia, Av. Maipu 2, Buenos Aires, Argentina.

The University of Wisconsin Engineer- ing Extension will present a short course entitled "Introduction to Digital Logic" on July 19-23, 1971 on the University's Madison Campus. The course is designed to acquaint engineers, technicians and researchers with the fundamentals of digital logic, both in theory and laboratory practice. The course is limited to an enrollment of 16 and the fee is $250. For more information contact:...
AFIPS Personnel Survey of Professional Societies in Computer Field

A personnel survey of the membership of 13 national professional societies in the computer and information processing field is being conducted by the American Federation of Information Processing Societies (AFIPS), it was announced by Dr. Richard Tanaka, President. The survey is being conducted with the cooperation of the two constituent societies and the Data Processing Management Association (DPMA).

Questionnaires have been sent to a statistical sampling of 23,000 individuals, representing approximately 20% of the total membership of each participating society. An analysis of the results of the survey will be published by AFIPS Press in mid-1971 and will provide a comprehensive profile of the computer professional. Included in the report will be detailed information covering general personnel data, education, employment, professional activities and salaries.

Societies participating in the survey are The Institute of Electrical and Electronic Engineers Computer Society; Association for Computing Machinery, Inc.; Simulation Councils, Inc.; The American Society for Information Science; Association for Computational Linguistics; Society for Information Display; Special Libraries Association; The American Institute of Certified Public Accountants; American Statistical Association; Society for Industrial and Applied Mathematics; American Institute of Aeronautics and Astronautics; Instrument Society of America; and the Data Processing Management Association.

IEEEl Publishes

New Standards Catalog

A new, enlarged catalog of standards and related publications is now available from the IEEEl. Listing more than 200 standards documents, many included for the first time or in new revised editions, the IEEEl Standards Catalog features an extended, easy-to-use subject index and a thoroughly revised format.

Included are listings of publications on definitions, methods of measurement, test procedures, recommended practices, specifications, guides and associated documents. Listings of American National Standards developed with IEEEl and available from IEEEl are detailed.

New prices, effective with the publication of this catalog, include special quantity discounts not previously offered.

Copies of the catalog can be obtained without charge by writing:

Standards Office, Catalog Dept., Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, New York 10017.

IFIP Congress '71

IFIP Congress '71 has announced a list of invited speakers and chairmen of symposia for the international conference to be held in Ljubljada, Yugoslavia, August 23-28, 1971. These triennial congresses and exhibitions are sponsored by the International Federation for Information Processing (IFIP), which represents the information science interests of its 32 member countries around the world.

The IFIP Congress Program Committee, headed by Acad. V. M. Glushkov of the Institute of Cybernetics, Ukrainian Academy of Sciences, Kiev, USSR, has now announced the following list of invited speakers:

NUMERICAL MATHEMATICS


Computers for Developing Countries — Dov Chevion, Israel
Algol 68 Implementation — Manfred Paul, Germany
Computer System Performance — H. J. Helms, Denmark
The World's Communications System: Is It Adequate for Computers? — A. J. Liptak, USA

In addition, there will be a final session featuring three invited speakers covering topics beyond the seven major symposia: I. L. Auerbach, USA, "A Forecast of Computer Technology" F. L. Bauer, Germany, "Software Engineering" H. A. Simon, USA, "The Theory of Problem Solving"

The Program Committee responsible for the final selection of invited speakers and all submitted papers consists of: V. M. Glushkov, Chairman (USSR); F. Green, Vice-Chairman (France); C. Gottlieb, Vice-Chairman (Canada); H. Zemanek, Vice-Chairman (Austria); E. A. Feigenbaum (USA); K. Samelson (Germany); W. Buchhold (USA); H. T. Neilsen (Denmark); A. D. Smirnov (USSR); Bl. H. Sendov (Bulgaria).