



THE INSTITUTE OF
MANAGEMENT SCIENCES

NEWSLETTER OF THE
TIMS COLLEGE
on
SIMULATION AND GAMING

AVERILL LAW and BRUCE SCHMEISER, EDITORS

VOL. 1, NO. 1 SUMMER 1976

In an effort to reach more members, the TIMS College on Simulation & Gaming is sponsoring this Newsletter. Plans call for two issues a year - Summer and Winter. This issue contains information about future events of interest to those in simulation, as well as information about the College.

Plans for future issues call for the Newsletter to be a vehicle for unrefereed, but edited, communication between members. Information concerning work in progress, either applications or new methodology, is appropriate. If you have something you would like to say to all the members of the College, some burning issue or just some information, forward it to either editor and we will try to include your contribution in the next issue. Our addresses are:

AVERILL LAW
Department of Industrial Engineering
University of Wisconsin
Madison, Wisconsin 53700

BRUCE SCHMEISER
Department of IE/OR
Southern Methodist University
Dallas, Texas 75275

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CHAIRMAN'S COLUMN

The first issue of the College Newsletter indicates both some good news and some bad news. The good news is that "we" have accomplished the publication of the Newsletter, or more accurately, the hard work of Bruce Schmeiser and Averill Law is producing this result. The bad news is to recognize the lack of communication among members of the College in the past.

Why does the College on Simulation and Gaming exist? Why do over 200 members of TIMS pay annual dues of \$2.00 to belong? These are questions that, unfortunately, are appropriate for most of the TIMS Colleges. Perhaps the answers are too diverse and too individually centered to admit any generality, but I doubt it. I joined the College initially because I expected something in return, and \$2.00 is a minimal loss if nothing is returned.

At this point I ask: What is my return? What has the TIMS College on Simulation and Gaming offered me? Obvious answers, applying to all members, are: (1) an increase in the number of sessions at Joint ORSA/TIMS Meetings, (2) the more consistent quality of sessions with the College's organization as opposed to a technical program committee, and (3) an increase in the number of meetings specifically devoted to simulation through the College's cooperative efforts with other organizations. But I have received much more than this through my offices as Vice-Chairman and Chairman, having the opportunity to meet with simulation devotees within and without TIMS. Consequently, my \$2.00 seems to be well spent, but what about the investments of others? Perhaps, in these inflationary times, the benefits above are sufficient, but that is really not the major issue.

The major issue is: What should be the activities of the College? The goal is clearly to serve the membership. But this can be done only if the membership expresses its needs and desires. Thus have I thrown the monkey onto your back -- the relative inactivity of the College is due to the silence of the membership. Which translates into:

TELL THE OFFICERS WHAT YOU WANT THEN HOLD THEM ACCOUNTABLE.

Note that a list of officers' names and addresses is included on page 4 for your convenience.

CHANGE IN COLLEGE BYLAWS

An ad hoc committee chaired by George S. Fishman, Past Chairman of the College, has recommended that the term of office of College Officers be extended to two years. The committee concluded that the present one-year term proves insufficient for the development of programs and causes unnecessary discontinuities in the College activities. The recommendation for two-year terms, endorsed by the College Officers, has been forwarded as a change in the Bylaws to Ronald Slivka, Vice President-Member Activities. Council approval is expected to be received so that the Officers beginning their tenure in September will serve for two years.

ANNOUNCEMENTS

Summer Computer Simulation Conference

The Summer Computer Simulation Conference was held July 12-14, 1976 at the Sheraton Park Hotel in Washington, D.C. Listed topic areas included energy, managerial and social sciences, hybrid systems and methodology, biological systems, system engineering, chemical sciences, physical sciences, simulation methodology, and environmental sciences. In addition, the new topic area of Government Simulation Facilities was included.

Welcoming addresses were given by Dr. Alex Kossiakos, Director of the Applied Physics Laboratory, Johns Hopkins University and by Mr. C. Zraket, Senior Vice President for Technical Operations, MITRE Corporation. The keynote speaker was Dr. Frank Ryan, Head, House Information System Office, House of Representatives.

The major sponsor was the Society of Computer Simulation. The proceedings are available for \$30 from AFIPS Press, 210 Summit Avenue, Montdale, NJ 07645.

Symposium on the Simulation of Computer Systems

The Fourth Annual Symposium on the Simulation of Computer Systems will be held August 10-12, 1976, in Boulder, Colorado. The symposium is devoted exclusively to the simulation of computer systems. In addition to technical papers, tutorial sessions will be held for those with little or no background.

The symposium is sponsored jointly by the National Bureau of Standards and the ACM interest group on Simulation. Registration is \$75 for nonmembers and \$60 for members of these organizations. For more information, contact STEVE SCHOBEL, Bureau of the Census, Room 3107 FOB 4, Washington, D.C. 20233.

The Fall ORSA/TIMS Meeting

The next joint national meeting of ORSA/TIMS will be in Miami Beach, Florida, November 3-6, 1976. A total of three sessions related to computer simulation will be held, which should allow for a good cross-section of topics. George Fishman will chair a session on "Statistical Methods in Simulation." The TIMS College on Simulation and Gaming is organizing two sessions through the efforts of Bill Schmidt. David Miller will chair a session entitled "Applications of Simulation in the Public Sector." The other session, "Computer Simulation Methodology," is to be chaired by William Biles.

The 1976 Bicentennial Winter Simulation Conference

The 1976 Bicentennial Winter Simulation Conference will be held December 6-8, 1976 at the National Bureau of Standards in Gaithersburg, Maryland. The TIMS College on Simulation and Gaming is one of seven co-sponsors. The conference is an official bicentennial event and should receive a good deal of publicity.

The conference will feature research papers, tutorials, application papers, state-of-the-art papers, and panel discussions on discrete and discrete/continuous simulation. Although the panel discussions have not been finalized yet, the other portions of the program indicate the conference should be of interest to a broad cross section of persons.

According to Thomas J. Schriber, the conference program chairman, the keynote speaker will be Gene Woolsey of the Colorado School of Mines, speaking on "Simulation: The Poor Man's Tool of Management Science."

There will be two tutorial sequences. The Fundamental Tutorial Sequence will include presentations on the role of modeling (Robert E. Shannon), the economics of simulation (Paul Gray), and introductions to GPSS (Thomas J. Schriber), SIMSCRIPT (Edward C.

Russell), and GASP IV (A. Alan B. Pritsker). The contents of the State-of-the-Art Tutorial Sequence is still tentative. Current plans call for sessions on analysis of single outputs from simulation models (Averill Law), statistical considerations (Jol Sussman), and current topics in simulation languages (Howard Morgan). Each session of the state-of-the-art sequence will be composed of several speakers on various topics of interest.

The Research and Applications papers will be divided into several topic areas. Current plans call for agriculture and food systems (Gaines Miles), combined (discrete-continuous) simulation (A. Alan B. Pritsker), computer networks (Steve Kimbleton), computer systems (Toby J. Teorey), energy systems (Charles W. Skinner), corporate planning models (Tom Naylor), health care delivery systems (Kerry Kilpatrick), governmental systems, simulation in data base design, information systems, simulation methodology, and transportation (Nigel Wilson). Other topics may still be added.

Registration Chairman is Dr. HERBERT MAISEL, Director, Academic Computer Center, Georgetown University, Washington, D.C. 20057, (202) 625-3038.

Tenth Annual Simulation Symposium

The Tenth Annual Simulation Symposium will be held March 16-18, 1977 in Tampa, Florida. Dr. Carl Hammer, UNIVAC, and Mr. Robert Q. Lee, General Dynamics, are scheduled to be the Luncheon Speakers. Dr. Hammer was the Luncheon Speaker at the first symposium.

Fifteen papers have been selected for presentation. Additionally, a sixteenth will be presented by the winners of last year's research grant (see article below about this year's grant), covering the results of their research.

CALL FOR PAPERS

Tenth Annual Hawaii International Conference on Systems Sciences

The Tenth Annual Hawaii International Conference on Systems Sciences will meet January 5-7, 1977. A call for papers has been issued with a deadline of SEPTEMBER 1, 1976 for the abstract (3-page minimum). Among the various areas of interest is "computer simulation and modeling of organizational systems." Papers may be theoretical, conceptual, tutorial, or descriptive in nature.

For further information, contact: Professor RALPH H. SPRAGUE, JR., MIS Session Chairman - HICSS 10, College of Business Administration, 2404 Maile Way, Honolulu, HI 96822.

1977 Summer Computer Simulation Conference

The next Summer Computer Simulation Conference will be held July 18-20, 1977, at the O'Hare Hyatt-Regency Hotel, in Chicago. Papers will be grouped in the following areas: simulation methodology, hybrid systems and methodology, chemical sciences, physical sciences, environmental sciences, biological systems, managerial and social sciences, simulation credibility, energy, system engineering, and simulation in training.

Those interested in presenting papers, which will be published in the proceedings, should mail a 3-5 page abstract by December 16, 1976, to the Program Chairman: Dr. O. J. MANCI, Vought Corporation, P. O. Box 5907, Dallas, TX 75222.

RESEARCH GRANT

The Annual Simulation Symposium has announced the availability of a \$2,000 grant for research on tools, techniques or applications of computer simulation. The purpose of the grant is to improve the quality of computer simulation work by making possible the demonstration of new techniques, the development of new tools, the application of the techniques of digital simulation to new problems, and the dissemination of information concerning these tools, techniques and applications.

The research undertaken must deal with discrete digital computer simulation. The application of simulation can be to any area of inquiry. Originality, potential contribution to the art and science of digital simulation and evidence that this grant will be of major significance in furthering the research, will be principal considerations in making the award.

Applications may be made by individuals working in any area of discrete digital simulation. These individuals may be employed by a firm, a research organization, a government agency, or they may be employees or students in an institution or higher education.

Finally, it is required that the recipient of the grant will attend the Eleventh Annual Simulation Symposium in Tampa, Florida, March 1978, to present the findings of the research. The costs of travel to the Symposium, expenses at the Symposium, and the registration fee for the Symposium may not be charged against the grant.

For further information, write no later than August 1, 1976 to:

Chairman, Grants Committee - Dr. W. MARVIN BUNKER
General Electric Co.
Room 4337
P. O. Box 2500
Daytona Beach, FL 32015
Tel: (904) 258-2605

COLLEGE OFFICERS

Chairman

Professor RICHARD E. NANCE
Computer Science Department
560 McBryde Hall
Virginia Polytechnic Institute
and State University
Blacksburg, VA 24061

Vice-Chairman

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Graduate School of Business
Tulane University
New Orleans, LA 70118

Vice-Chairman

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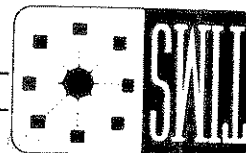
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Curriculum in Operations Research
and Systems Analysis
Phillips Annex
University of North Carolina
Chapel Hill, NC 27514

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