By the time this issue of Scoop Sheet reaches you, two important events will have occurred without receiving coverage here. Wednesday, March 29, was the Monthly Staff Meeting, and Thursday, March 30, Indiana University Librarians Association members were addressed by J. Gus Liebenow, Acting Vice President and Dean of Academic Affairs, on the issue of career status of librarians. Due to practical matters of writing and printing time, these events had to go unreported. However, the Scoop Sheet staff has decided to put out a supplement in the following week to keep its readers abreast of these latest developments in library and library-related activities.

You may have noticed a change in this issue's masthead from the two previous numbers of Scoop Sheet. This particular aspect of the library was drawn from one of a series of photographs taken preliminary to having a more formal, printed masthead made. As a matter of fact, we had hoped to have our new masthead ready for this issue, but unforeseen technical problems have prevented that. Patti Philpott gracious-
ly copied our first two mastheads from the photograph of the library model found on the cover of the orientation brochure, Indiana University Libraries, Bloomington.

OPERATIONS RESEARCH AND THE INFORMATION SCIENCES

by
Margaret K. Adams

"Pressure is on the librarians to automate now," stated Prof. Ferdinand F. Leimkuhler, at the March 3 meeting of the Indiana Chapter of the American Society for Information Science in Indianapolis. "Locked into the present system with more books, more staff, more storage—the professional librarian has to take the initiative and provide technical innovation."

Dr. Leimkuhler, Head of the School of Industrial Engineering, Purdue University, has been selected as the A.S.I.S. Distinguished Lecturer for 1971-1972 in recognition of his numerous research contributions to the fields of operations research and library systems analysis.

Describing the history of operations research with the team approach as originating in England, first with military applications, then used extensively by industry, Dr. Leimkuhler felt the transfer of operations research techniques to information science has been minimal. Both operations research and information science have the essential characteristics of systems orientation, use of interdisciplinary teams, and application of scientific methods to system design and analysis.

Borrowing a well-developed theory from the physical scientist who could not manipulate the system he was studying, and therefore built a representation of it (the "mathematical model," which represents the structure of the real system in quantitative terms), the operations research team constructs a model simulating the real life properties of the system under analysis. In operations research, the model is the message, presenting problem statements in solution format and therefore providing a very precise way of stating a problem.

The process by which an experienced analyst arrives at a model is essentially an intuitive, creative activity. Analogy and association with similar models and problem situations often determine the starting point in model building. The operations research analyst may begin by asking a harried librarian to describe some problems to see if
ny lend themselves to mathematical formulation. This approach has
the important advantage of motivating the analyst and the librarian to
become engaged in a common cause at the outset; there is greater as-
sure of an initial success. However, a certain amount of wandering
and random searching over the problem field must be expected from any
true creative operations research effort.

"This is true of my experience at Purdue University, where I have
directed a library operations project over the past six years with sup-
port from the National Science Foundation's Office of Science and In-
formation Service," stated Dr. Leimkuhler.

The same mathematical model, developed by the speaker, was used for
studies on the shelving of books, the design of industrial warehouses,
and the blocking of MARC II bibliographic records on magnetic computer
tapes.

Technological developments going on in the world of librarianship
and information science today are greatly enlarging the scope of the
problem of bibliographic control and shifting the emphasis from stor-
age and selection to larger problems of information retrieval and
transfer. These lead to the design and development of operations re-
search systems which refuse to predicate their conceptual plan on the
operations of a conventional library. Whether this is being done more
as an exploratory tactic in the process of discovery or whether it is
prophecy of the future remains to be seen. However, as a forecast of
the future there may be some comfort in knowing that the time of justi-
fication will come for these new technologies, too; and in that justi-
fication there is an implicit justification for the technology which is
superceded.

Peg Adams, librarian at Indiana University's Research Computing Cen-
ter, is on the editorial board of Random Bits.

NATIONAL LIBRARY WEEK is coming.

Can you help?
S.L.A. Launches Membership Drive

by

Betty Jo Irvine

The Indiana Chapter of S.L.A. met on March 4 in the Garden Pavilion of the Indianapolis Museum of Art. Nevin Raber, President of the Indiana Chapter (and Business Librarian at I.U.), presided over the meeting. Because the meeting was primarily of a business nature, it was relatively short with its primary objective being to inform the members of the massive membership drive launched by S.L.A.

Joseph A. Dagnese, Director of Libraries at Purdue University, and President-Elect of S.L.A., spoke briefly to this topic and noted that S.L.A. will not merge with A.S.I.S., but instead has appointed two representatives to A.S.I.S. to engender more communications and cooperation between the two organizations. He also pointed out what he considers to be the major benefits of becoming a member of S.L.A.:

1. Opportunities for involvement and participation on local, national, and international levels; e.g., S.L.A. has greater local activity than any other organization and therefore offers members functions on the chapter, division, or local levels.

2. Continuing education possibilities by attendance at the education seminars held at the conferences and by attending the conferences themselves.

3. Receipt of S.L.A. publications and notices of various publication projects; e.g., non-serial publications.

4. Opportunity to become involved in the S.L.A. scholarship program which makes three scholarships of $2500 available annually to students in graduate library schools.

After the meeting, tours were given of the Indianapolis Museum of Art for all attendants.

Mrs. Irvine is the Fine Arts Librarian at Indiana University.
April 16 - 22

Don't forget that materials for the book sale require processing before the sale (April 20 & 21). Volunteers are needed to help process materials during weekend and evening hours. Individuals wishing to volunteer, please contact Julie Nilson (Catalog Dept.) at 337 7511.

Materials needed for the book sale include: books (paper and cloth bound), records, tapes, maps, pamphlet literature, posters, prints, back issues of magazines, and comic books. Branch libraries are acting as deposit areas. Those wishing to deliver materials to the cataloging area in the Main Library, contact either Julie Nilson or Jim Greaves (337 8028 or 339 1791) to make arrangements for delivery. If you wish to have materials picked up, contact the same people. It would be appreciated if materials could be collected by Wednesday, April 12, but materials will be accepted until the day before the sale.

In the near future, a form will be circulated asking for volunteers for the events of National Library Week. Can you help?
A long time ago it was decided that all librarians in the I.U. system would receive Scoop Sheet, regardless of their membership in InULA. At the time, when the fledgling organization was trying to gain strength of numbers, this may have been a good idea, a ploy to attract new members. But now InULA is getting stronger and what may have been a good idea once could be very foolish now.

InULA exists to promote the interests of professional librarianship at Indiana University. The accomplishment of this goal would be furthered if all librarians in the system could be counted among the membership; i.e., if we could close our ranks to achieve this one basic goal regardless of any disagreements over ways and means. Therefore, a minor goal must be the recruitment of as many eligible members as possible.

But what can InULA offer the librarian who has been holding back, perhaps waiting to see if he wouldn’t be backing a loser?

—Reduced rate group insurance? No, and why should he expect it? Already our benevolent super-organization, the university, offers us compulsory insurance. The implications of compulsory insurance are serious enough for professionals; the fact that InULA does nothing about it can not be a strong selling point.

—Could he be attracted by the possibility of actively participating in a professional organization? That’s doubtful; InULA hasn’t held a business meeting for several months.

—Might he be interested in the social aspects of belonging to InULA? Possibly; but if he should ever host any official function he may be rudely startled by a stipulation to the effect that no InULA funds may be used to purchase refreshments.

—Or will the prospective member want to receive the official newsletter? Why should he join for that? He already receives it without having to pay any dues.

No matter what your response to the first three points, I find it difficult to believe that all implications of the last point, regarding Scoop Sheet's distribution, were considered before the present decision was made. I bring this to your attention now because, if for no other reason than the nominations of officers, InULA will have to hold a business meeting before too long. At that time a motion will be made to limit Scoop Sheet's distribution to InULA members. I solicit your consideration and support of this motion.

Monty Maxwell
 Each semester, we

: accept required reading lists from teaching faculty
: search the books the library owns
: xerox articles requested from journals
: send xeroxed articles longer than 70 pages to the Gifts Librarian when the article is removed from reserve
: band all books found and type cards for the circulation file and the reserve card catalog
: order new books not yet owned by the library
: order replacements for missing books
: cross-reference to branch libraries when those are the only locations for materials
: order necessary duplicates
: send a copy of each reading list to the teaching faculty member who requested the materials
: type, retype, type, retype, type
: compile and send out use statistics for each book on each reserve list at the end of each semester
: inventory the reserve collection and re-search missing items
: place personal copies on reserve if an item is unavailable or too new

"We" includes one librarian, two clericals, and ten to thirteen student employees. During the heat and pressure at the beginning of each office, the people who process holds and recalls, the Circulation Department filers, who do locations for each list and who file all the cards for books found. "We" includes the branch librarians who place materials on reserve, the UGL staff when items need to be juggled from one collection to the other, the subject specialists who help locate hard-to-find items, and all personnel in the Acquisitions Department who process orders. "We" are also the catalogers who iron out any discrepancies that turn up during processing, Serials and Interlibrary Loan personnel when we discover missing pages, and Reference and Government Publications people when we have trouble verifying.

In fact, I cannot think of one library contact which we do not make.
Our most concentrated contact is in the procedural aspects of processing materials, which means that the Circulation Department personnel handle all the locations and typing and processing of recalls for materials charged out.

The Graduate Reserve staff is in constant contact with faculty and students. The reading room is open the same hours as all main building public service areas. Our three full-time staff members are available 76 of the 109 hours that the reserve room is open. Student employees are on duty for 140 hours, serving the patrons and reshelving used items.

Graduate Reserve is in a very ticklish public relations situation. Pressures hit simultaneously from two or more sides. We try to be very flexible to user needs, but we must also be extremely firm in holding to our basic "fairness" policies so one patron will not be jeopardized in favor of another.

A book on graduate reserve may be charged out for a two-hour period and renewed as long as it is not needed by another patron. Books can also be charged out for overnight use beginning at 10:30 P.M. (12:30 on Sunday) and are due at 9:30 the following morning. Books may be used in the room for an unlimited amount of time and need not be charged out. Xerox articles and personal copies must be charged out, for two hours, each time they are used.

OF SPECIAL INTEREST

April 8: The Illinois Conference and the Indiana Federation of the AAUP is jointly sponsoring a symposium on "Faculty Status for Academic Librarians and Academic Freedom." The event is scheduled for April 8th at Eastern Illinois University, Charleston, Illinois (50 miles due west of Terre Haute); 9:15 A.M. to 3:15 P.M. in the Fox-Ridge room at the Martin Luther King Memorial Center. For details and arrangements, call Ralph C. Simon (president of the state AAUP and an assistant professor of library science at Purdue Lafayette) 494 8601.

April 12: InULA meeting. Mr. Matthias Newell and Mrs. Hannelore Rader, Eastern Michigan University's two orientation librarians, will describe their experiences in a talk entitled "Outreach for the Thousands; a Library Instruction Program for a Large University." Com-
munity Room at Yorktown Courts Apartments, 3811 Morningside Drive. 8:00 P.M. Information: Jean Taylor, UGL.

April 16 - 22: NATIONAL LIBRARY WEEK.
A full schedule of events will be published after they have been finalized. Finalization depends on availability of performers. It is hoped these events will be scheduled for Wednesday and Friday evening.

Art Sale 10:00 A.M. - 9:00 P.M. Monday, April 17
Children's Story Hour 4:00 P.M. Tuesday, April 18

All children of staff, faculty, and students are invited.

Book Sale 1:00 P.M. - 9:00 P.M. Thursday, April 20
1:00 P.M. - 9:00 P.M. Friday, April 21

April 20 - 23: Twenty-Sixth Annual Spring Conference of the Indiana School Librarians Association will be held at Indiana University in the Indiana Memorial Union. Theme: "ISLA Quarter Century View: The Look Back — The Look Ahead." Information: Eva Kiewitt, Education Library, 7 1790.

April 25: District V Annual Meeting of the Indiana Library Association and the Indiana Library Trustee Association will be held at the Monroe County Public Building. Luncheon will be served at the Indiana University Union Building. (Cost: $2.35 each) Theme: "Organizing for Cooperation." Information: Mrs. Elaine B. Phelps, Monroe County Public Library, 339 2271.

April 27 - 29: Alan R. Taylor, Librarian for African Studies, Indiana University, will be one of the speakers at the Fourth Annual Library Science Institute being held at Indiana State University, Terre Haute, Indiana. The institute deals with the subject: "Library Management: Quantifying Goals." Mr. Taylor will speak on "Library Services for Graduate Programs: Models, Paradigms, and Quantification.

April 28 - 29: The annual meeting of the Ohio Valley Group of Technical Services Librarians will be at the University of Cincinnati. There will be sessions devoted to the Ohio College Library Center, technical services cooperation, and state library networks.

April 30 - May 3: Annual Clinic on Library Applications of Data Proces-
using with them of "On-Line Systems Applied to Library Automation."
Information: Mr. Leonard Sigler, Division of University Extension,
Illini Hall, Champaign, Illinois 61820.

May 18 - 20: Annual meeting of the Midwest Academic Librarians Confer-
ence will be held on the Northwestern Campus. "Momentum for Academic
Library Change" will be the theme this year. The conference schedule
will include program meetings, formal tours of the Northwestern Uni-
versity Library and the Regenstein Library (University of Chicago),
and general luncheon and dinner sessions on Friday. Charles Stevens
and Walter Netsch, Jr. will be dinner and luncheon speakers. Mr.
Stevens is Executive Director of the National Commission on Libraries
and Information Science, and Mr. Netsch is the architect of North-
western's Library and the Regenstein Library at the University of
Chicago. The five program meetings scheduled for Friday are:
"Copyright Law Confrontation;" "The Periodical Bank Concept;" "The
MINITEX Program: Minnesota Interlibrary Teletype Exchange;" "The
Northwestern University Library Building;" and "Automation in the
Northwestern University Library." Information: Mr. Theodore F.
Welch, Chairman, MALC Planning Committee 1972, Assistant Universi-
ty Librarian for Public Services, Northwestern University Library.

June 4 - 8: 63rd Annual Conference of the Special Libraries Association
will be held at the Statler Hilton in Boston, Mass. Information on
the conference program can be found in the February 1972 issue of Spe-
cial Libraries.
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