ED 057 872   LI 003 385

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TITLE   Network Organization; A Case Study of the Five
                Associated University Libraries (FAUL).
SPONS AGENCY   American Library Association, Chicago, Ill.; Office
                of Education (DHEW), Washington, D.C.
PUB DATE   70
NOTE   33p.; (12 References); Working Group D-5
AVAILABLE FROM In "Proceedings of the Conference on Interlibrary
                Communications and Information Networks," edited by
                Joseph Becker. American Library Association, 50 E.
                Huron St., Chicago, Ill. 60611 ($15.00)

EDRS PRICE   MF-$0.65 HC-$3.29
DESCRIPTORS   *Case Studies; Conferences; Consortia; *Information
                Networks; *Library Cooperation; *Library Networks;
                *Organization
IDENTIFIERS   Five Associated University Libraries; *Interlibrary
                Communications

ABSTRACT
          The Five Associated University Libraries (FAUL) is an
example of a network which is not yet really a network in its own
right: it is a free-loader on components of other networks, e.g.
NYSILL, national ILL codes, TWX, telephone, UPS, U.S. Mails and the
like. In fact, the organization could wake up one day and find all of
its objectives met by other means, when its last cooperative act
would be to vote itself out of existence. Indeed, some members would
define FAUL as an unincorporated group of people bound together by a
Constitution, By-Laws, prior investment and an uneasy feeling that
money and time devoted to the enterprise could be spent better at
home. In short, it is faith which holds the organization together,
faith that somehow by magic it will all fall into place and someone
will throw a switch and all the lights will go on. (Other papers from
this conference are available as LI 003360 - 003384 and LI 003386
through LI 003390). (Author/NH)

ED057872

NETWORK ORGANIZATION

A CASE STUDY OF

THE FIVE ASSOCIATED UNIVERSITY LIBRARIES (FAUL)

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LI 003 385

1

NETWORK ORGANIZATION
--a case study of the Five Associated University Libraries (FAUL)

Ron Miller
Coordinator of Library Systems
FAUL

1.0 INTRODUCTION

Unless it deals with some mental or physical abnormality with which we
can secretly identify, a case study is more often than not little more than
a recitation of historical events, important and unimportant, all jumbled to-
gether. Somehow enough truth, enough similarity to future events is supposed
to be hiding amid the jumble that upon discovery helps us avoid past mistakes.

Anyone of us who has been foolhardy enough to participate in a library
network or consortium must have realized, surely, that the gaps between
what the organization says it is in its official documents, compared to what
the leaders really want it to be, compared to what the lower echelons think
it is, is a little like the parable of the blind men and the elephant. Becker
and Olsen [1] have characterized an information network as having a formal
organization, communications circuits, bidirectionality, a directory, and
switching capability. Generally, such a definition implies some kind of
electronic component such as a telephone network has. At the very least, a self-
respecting network should have plans for computerization even though it can
sanguinely call itself a network if a delivery system or regional interlibrary
loan arrangement has been agreed upon. FAUL is an example of a network which
is not yet really a network in its own right: it is a free-loader on components
of other networks, e.g. NYSILL, national ILL codes, TWX, telephone, UPS, U. S.
Mails and the like. In fact, the organization could wake up one day and find

2

[1] p. 290

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would be to vote itself out of existence.

Indeed, some members would define FAUL as an unincorporated group of
people bound together by a Constitution, By-Laws, prior investment and an
uneasy feeling that money and time devoted to the enterprise could be spent
better at home.

In short, it is faith which holds the organization together, faith
that somehow by magic it will all fall into place and someone will throw a
switch and all the lights will go on.

Which leads the writer to assert unequivocally that "objective" observa-
tions, editorial comments and the selection of mat ial included in this paper
are purely his own doing, reflecting the idiosyncrasies of his own brand of
truth. To be more truly a case study, someone who is not himself a part of
the case should be making these observations.

2.0 COUNTERPOINT

In a recent book review in, of all places, *Life Magazine,* the reviewer
observes that every man contains his own generation gap. Part of him, the
anonymous reviewer continues, is attracted to the future, to change, while
another part is drawn toward the past, toward the maintenance of continuity.
The same dichotomy, the same schizoid quality appears to exist in the actions
of organizations as large as nations, as small as families and certainly
exists in library consortia. In general, if the voices of these opposites
can at least carry on serious dialog, new forces can be built. Indeed, such
is one face of progress.

Libraries, over the past six to ten years have been forming groups at a

great rate—many of them for contradictory purposes. To foster change—to prevent unwanted change; to defend an entrenched position—to absorb others; to increase local resources by gaining access to others—to keep hold of re- sources which local libraries already own. For every force toward change, a restraining counter-force oppeses it, which, like the Ying-Yang principle in Chinese dualistic philosophy may be characterized more by indifference and passivity than by clear forceful expression. The movement forward is bogged down in a swamp of tradition and distrust; therein lies frustration.

Yet it can be no other way. Men and institutions resist a loss of con- trol and autonomy and some loss of autonomy seems to be always necessary if useful cooperation is to occur. The very fact that members in a group of libraries divert local funds to a new institution (the consortium) means that some local leverage is sacrificed—fewer books can be bought, a new staff member cannot be hired, a new machine cannot be rented. Something is lost. If some- thing is lost something else must be gained sometime, or, logic asks why volun- tarily give it up at all? It is within this counterpo'nt head-   .tion. and hard-nosed reality which the Five Associated University Libraries as a con- sortium is discussed here.

3.C A NEW INSTITUTION

On August 10, 1970, FAUL was three years old, as dated from the adoption of its Constitution in 1967. For its birthday celebration the organization be- gan an intensive self-evaluation which will not end until late November when screening of various reports by key library staff members is completed. This period could be labelled, "taking stock."

FAUL is composed of the libraries of the five largest Universities in

4

in Upstate New York: SUNY-Binghamton, SUNY-Buffalo, Cornell University, Syracuse University and the University of Rochester. To portray a collective picture, the collections number over 8 million volumes administered by about 1135 staff members, over 385 of which are professionals of one kind or another. The total library budget expenditure was over 13.2 million dollars during fiscal year 1969—about one million less than Harvard expects to spend for its libraries in 1976. Another measurement reveals that about 5.7 million transactions per year occur in the various circulation control systems which include interlibrary loan, and reserve room activities as well as the normal check-out/in transactions. This figure works out to about 16,000 transactions per work day for all five libraries.

Some ranges within the group are indicated by Cornell's volume count of 3-1/2 million compared with SUNY-Binghamton's 420,000. Other measures place the libraries in different sequences depending upon what is examined. For instance, in terms of "degree of automation" SUNY-Binghamton would be considered the most advanced in implemented systems, but Syracuse might be the furthest along in terms of integrated automation planning. SUNY-Buffalo, historically in the forefront in computer applications because of its early commitment to local shelf-list conversion has suspended most of its efforts except for the implementation of an interesting but as yet undocumented on-line circulation system in one of its branches, the Health Science Library. The University of Rochester Library has produced short title lists of serials and monographs by computer. And Cornell operates a widely-known complex monographic acquisitions system. So far, none of these efforts has yielded very much to cooperative effort with the exception of circulation systems automation, a case study all by itself. This experience is described in more detail later in this report.

5

4.0 GEOGRAPHIC ORIENTATION

The main campuses of the five Universities are in western New York State and are distributed along two axis in the rough shape of the character "L." The New York Thruway forms the major east-west axis and Interstate Route 81 the north-south axis (See FIG. 1). The longest distance in both milage and driving time is between SUNY-Buffalo and SUNY-Binghamton, 200 miles or 4.5 hours. The shortest distance and driving time is a two-way tie: Syracuse-Cornell, Binghamton-Cornell (See FIG. 2).

Some other campuses of the private universities are located in New York City, Utica, Poughkeepsie, Rome (New York), the Carribean and Europe. FAUL has not attempted to involve these centers in its activities so far.

5.0 FINANCES

To date all financial support has been provided by the member libraries. Currently, each member pays base dues of $13,000 which are used for central office staff salaries, travel, equipment, space rental, consultants and the like. In addition, small Research and Development projects are supported from these monies. If short-term projects are approved by the Board which require supplemental support, additional funds are assessed on a prorated basis, depending upon the character of the project. Several proposals have been sent to the USOE, the Council on Library Resources, and the National Endowment for the Humanities. None has been funded so far. FAUL is ineligible for N. Y. State funds since it is not incorporated.

Since August 1967, the cumulative monetary investment through June 1969 is $153,300 an average of $10,000 per library per year.
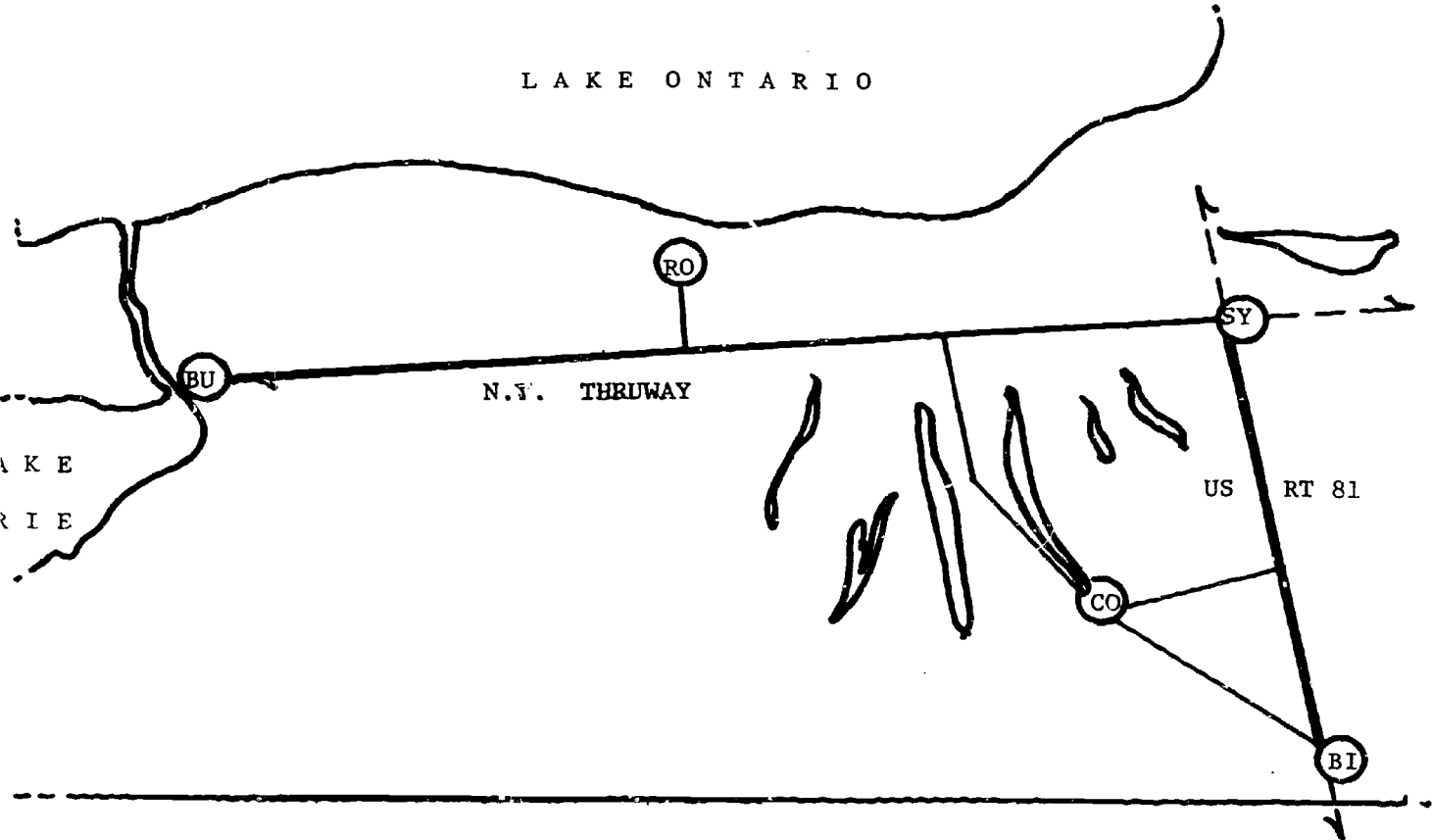
LAKE ONTARIO

FIG. 1   GEOGRAPHIC ORIENTATION OF THE

FIVE ASSOCIATED UNIVERSITY LIBRARIES

	Bi							
Bi								
Bu	200	4.5	Bu					
Co	46	1.2	150	3.0	Co			
Ro	150	3.5	75	1.5	90	2.5	Ro	
Sy	78	1.5	150	3.5	60	1.2	90	2.2
	D	T	D	T	D	T	D	T

Bi = SUNY-Binghamton

Bu = SUNY-Buffalo

Co = Cornell University

Ro = University of Rochester

Sy = Syracuse University

FIG. 2   TABLE OF APPROXIMATE DISTANCES (D)

AND DRIVING TIMES (T)

6.0 BACKGROUND OF FAUL

To determine the genesis of an organization can be a fruitless voyage
into mythology, but late in 1966, the librarians,with some senior staff mem-
bers,of the three private universities began to compose a series of "talk
papers" relating to different aspects of cooperative development. These
papers explored computer applications, delivery systems, compact storage,
budget and coordinated acquisitions. This exercise attracted interest from the
two University Centers in the State University of New York (SUNY) and the re-
sult of these early efforts to find areas of common exploration was the present
group--the Five Associated University Libraries.

The reasons for the coming together are many and subtle, but there ap-
pear to have been four primary forces: (1) the astonishingly rapid growth of
SUNY and the New York State Library, (2) the band-wagon growth of library con-
sortia across the country, (3) the promise of federal and private funding of
library consortia--especially the "Networks for Knowledge" Title VIII of the
Higher Education Act--and, (4) a genuine and deeply felt belief by the Chief
Librarians that the problems of academic research libraries are unique in the
spectrum of library types but are fairly similar in scale and kind among them-
selves.

Whatever the obscure reasons of the founders, the official objectives
of the organization are fairly typical of many consortia and can be characterized
by a few articles of faith: (1) that five libraries can do some things in
common at less than five times the cost of doing them separately; (2) that
a synergistic effect is possible whereby the whole could be greater than the
sum of its parts.

7.0 ORGANIZATIONAL OBJECTIVES

The purposes of the Association are stated in Article II of its

Constitution as follows:

"Improve and develop cooperation among the Five Associated University
Libraries."

"Work towards a *coordinated policy for long-range library growth* and
development with *coordinated acquisitions policies, shared resources,*
the *development of compatible machine systems,* provision of *easy and
rapid communications systems among the membership,* the provision of
shared storage facilities, and exploration of *other areas of coopera-
tion.*"

After enumerating these fairly specific objectives, the document des-

cribes the general methods by which they might be attained:

"The Association will cooperate with other educational, library and
research institutions and organizations inside and outside the geo-
graphical area to further the purposes of this Association."

"In pursuit of its purpose, this organization shall initiate, promote
and support research studies and projects and operational systems and
projects which may lead to a knowledge of available resources and
services and provide the means for increased interlibrary cooperative
plans and services among five member institutions."

8.0 ORGANIZATIONAL STRUCTURE

A glance at FIG. 3 FAUL ORGANIZATIONAL STRUCTURE shows that the consortium

has been organized into eleven functional units or committees of varying degrees

of activity. Each of these groups has a specific charge which is periodically

reviewed by the Executive Council. The last review, made in April 1970, re-

sulted in a few important changes in committee structure, names, participants

and charge. Most changes occurred in three groups: the Executive Council (8.2),

the Technical Services Committee (8.8) and the User Services Committee (8.9).

Each committee, its charge and current status is named and described below.

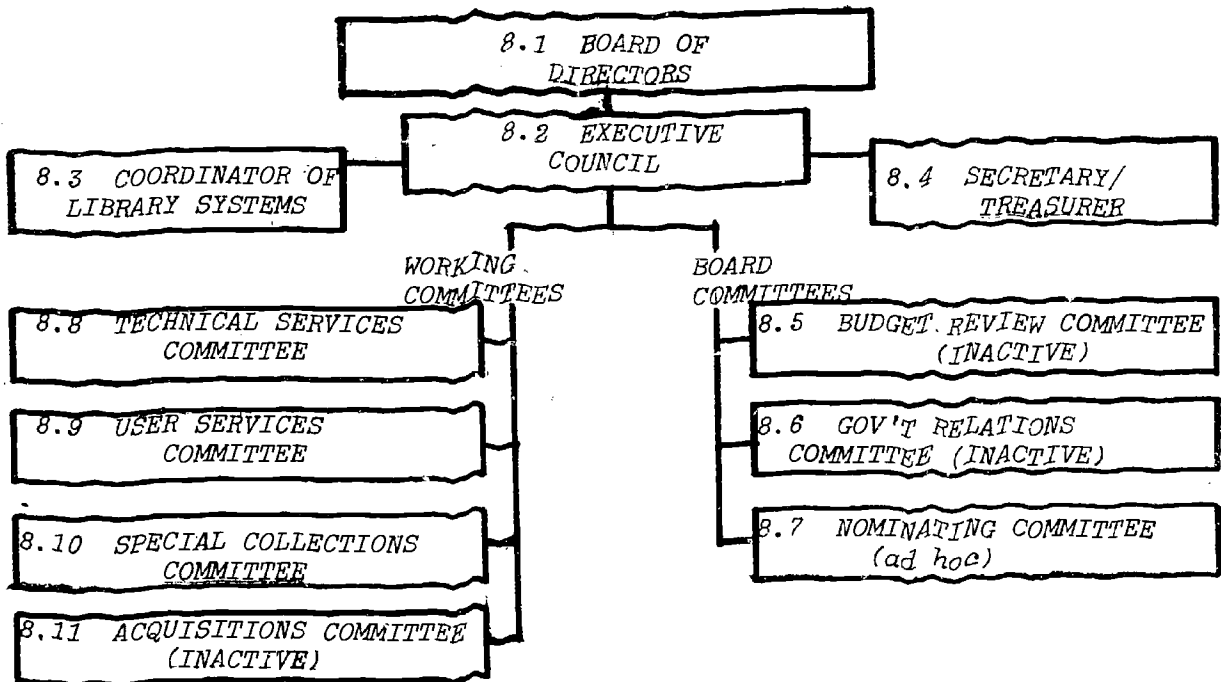The paragraph numbers (8.1, 8.2 etc.) are keyed to FIG. 3.

FIG. 3 PAUL ORGANIZATIONAL STRUCTURE

8.1 Board of Directors

The Chief Librarian and the Academic Vice-President (ex officio) from each
member institution form this, the governing group of the consortium. Each
member library has one institutional vote, 3/5ths being a quorum, and each
personal representative may designate one or more representatives. The group
therefore contains a minimum of ten members who serve continuously during the
tenure of their positions at the member institution.

The Board's charge is conceptually simple: it has the responsibility
of managing and controlling the affairs of the association and is empowered
to take any appropriate actions. It can hire employees, acquire property
and make contracts.

The above is explicitly stated in the group's Constitution and By-Laws.

Annually the Board elects a Chairman and a Vice-Chairman from its mem-
bership. Traditionally, the Administrative Assistant to the Coordinator of
Library Systems also has served as an appointed Secretary/Treasurer (8.4).

This group meets at least four times each year usually explicitly inviting committee chairman to attend and report as well.

8.2 Executive Council

This group is composed of the Chairman and Vice-Chairman of the Board of Directors, a third Chief Librarian on a monthly rotating basis and the Coordinator of Library Systems. It meets monthly except during the Summer representing the full Board by monitoring the day-to-day operations of the organization more closely than the full Board is able to. The Board frequently delegates much of its decision-making to this group in an effort to involve more intimately those chief librarians not holding elected offices in the organization.

8.3 Coordinator of Library Systems

An employee of the Board, his role is not defined very clearly. He and his staff form an information switching center, secretariat, proposal writer, investigator, contract signer, committee hound and gadfly. His true role is that of integrator. That work which members of committees performed in the consortium's early days as overload has very often been delegated to his office. This act alone has reduced the involvement of a few key individuals who participated heavily in the early months of the organization.

8.4 Secretary/Treasurer

These functions are vested in the person of the Coordinator's Administrative Assistant. Accounting, however, is done by Syracuse University under contract to FAUL.

8.5 Budget Review Committee (Inactive)

Usually composed of a Vice-President and a Chief Librarian, this group has been a sub-set of the Board reviewing budget proposals prepared by the Coordinator before the full Board approves them. This committee is inactive at present, its functions having been taken over by the Executive Council. It probably will not be revived.

8.6 Government Relations Committee (Inactive)

Without a chairman for over a year, this group is formally charged as follows:

> "To inform the Board and the Coordinator about pertinent local, state and federal legislation pertinent to library funding. Of primary interest are SUNY and other N. Y. State government sponsored library activities. Written and/or oral reports of activities and recommendations for action should be made to the Board at the request of the Chairman."

In general, this function is performed informally by all Board members. Historically all that the group has done is send a letter to the State Regents requesting them to involve FAUL in building a centralized bibliographic data base. No discernable effect resulted.

8.7 Nominating Committee (ad hoc)

Self-explanatory. Elections are held in June for Chairman and Vice-Chairman who serve from July through June, the consortium's fiscal year. Office-holders may succeed themselves.

8.8 Technical Services Committee

The charge and procedure for this committee reads as follows:

> "To work closely with the FAUL Central staff to determine areas of cooperation in acquiring, organizing and processing materials for

optimal use. The Committee may appoint <u>ad hoc</u> task groups to study
specific problems. Written and/or oral reports of activities and
recommendations for action will be made to the Board of Directors
at the request of the Chairman."

This group is composed of the Head of Technical Services f.   iach library

and since its formation in June 1970 has not yet convened. It is a direct

outgrowth of a predecessor Systems Committee which had a broad mandate to

investigate the application of technology to cooperative problems. The

extensive work of that group is reviewed under *INVENTORY OF ACTIVITIES,* below.

8.9   User Services Committee

"To study, develop and recommend procedures for increasing the ease
of access to FAUL collections and information services by its user
populations. Investigations should emphasize cooperative activities
in circulation control, intra-FAUL loans, intra-FAUL information
channels, reference services and other public service activities.
<u>Ad hoc</u> task groups may be appointed to study specific problems.
Written and/or oral reports of activities and recommendations for
action will be made to the Board of Directors at the request of
the Chairman."

The members of this Committee are generally from the Assistant or

Associate Director echelon. Its predecessor was the Access Committee which

contained a mixture of branch and circulation; librarians and one Assistant

Director. The new committee, formed in June 1970, represents equivalent

echelons from each library. The broad activities of the Access Committee are

also described below.

8.10   Special Collections Committee

"To determine areas, procedures, and projects for cooperation among
FAUL members in special collections (e.g. rare books archives, manu-
scripts, etc.). The Committee may appoint <u>ad hoc</u> task groups to
study specific problems. Written and/or oral reports of committee
activities and recommendations for action should be made to the Board
at the request of the Chairman."

In general,rare book librarians, archivists and manuscript curators form this group. Since there is great unevenness in the scope, quality and quantity of special collections among the five libraries, and differing specialties among the Committee representatives, this group has many weakn sses inherent in it. It has, however, produced two editions of a joint manuscripts catalog and taken group positions on several policies relating to access and acquisition procedures. See also below.

8.11 Acquisitions Committee (Inactive)

This group produced a joint acquisitions policy survey and then was disbanded in April 1969. Its charge was:

> "To determine areas of cooperation in acquisitions activities among
> FAUL members, and to study and recommend plans and procedures for
> promoting these cooperative efforts. Written and/or oral reports
> of activities and recommendations for action should be made to the
> Board at the request of the Chairman."

Since its deactivation, the Executive Council approved a contract with an outside expert for an intensive evaluation of joint acquisitions possibilities in FAUL. This report will be submitted to the Board for action in October.

An official historical record of work done by the several committees is maintained by minutes and monthly status reports. Bidirectional communication is kept open through a bi-monthly newsletter which alternates with an internal bi-monthly status report of projects.

The organizational structure,such as it is, has been briefly outlined. A judgment of the adequacy of this type of structure to fulfill the objectives of the organization can be made with greater certainty if a rapid inventory of accomplishment and failure is presented. This inventory of FAUL activities follows.

9.0 INVENTORY OF ACTIVITIES

As the italicized phrases in the excerpt from the FAUL Constitution in-
dicate above, seven areas of exploration were specifically mandated as organi-
zational objectives:

9.1 *To develop coordinated acquisitions policies*
9.2 *To develop means for sharing resources*
9.3 *To develop shared storage facilities*
9.4 *To develop easy and rapid communications systems among the membership*
9.5 *To develop compatible machine systems*
9.6 *To explore and develop other areas of cooperation*
9.7 *To develop a coordinated policy for long-range growth*

Each of these objectives is discussed below in terms of the effort FAUL

has made to attain them during these past 26 months.

9.1 *To develop coordinated acquisitions policies*

The Acquisitions Committee(now deactivated)was given this area of

investigation in its charge as stated above. After a year's work the Committee

submitted its report to the Board in April 1969 entitled: *Joint Acquisitions*

Policy: Subject List Arranged by the Library of Congress Classification Scheme

(Draft). The report contained a list of LC subject categories adjacent to

which each library indicated its "level of collecting intensity" at that moment

in time. No subsequent record has been kept of local acquisitions policy changes

as a result of this exercise, therefore no measure of its effectiveness can be

reported.

A proposal to test a machine-based book ordering procedure whereby machine-

readable data would be supplied by vendors to the member libraries was forwarded

to the Committee for consideration. Because of the "selection" orientation of

the group (as opposed to technical orientation), and other events noted below,

the proposal was not considered by the Committee and remains dormant. The Com-

15

mittee was disbanded in April 1969 because the problem of coordinated acquisitions development appeared to the Board to be too time-consuming and too closely tied to the vagaries of curricular changes and research programs at each institution. It is interesting to note that since that date, all members of the Acquisitions Committee have left their respective institutions, except one, SUNY-Binghamton. No cause-effect relationship is intended.

Incidental to this activity was the implementation of an arrangement to transport all Public Law 480 materials in Arabic from Syracuse to SUNY-Binghamton for cataloging and housing because of the latter's strength and the former's weakness in academic programming in this area. The arrangement probably would have occurred had FAUL existed or not.

Two events have occurred which are directly attributable to FAUL effort. First, a two-month contract to review acquisitions activity in FAUL libraries was signed with an outside acquisitions expert. The contract will result in a report which will recommend a plan for coordinating resource development in FAUL. This contract will be completed by the end of September 1970.

Second, the University of Rochester library has responded quickly to an idea which SUNY-Binghamton originated, and has called each of the other FAUL libraries offering to share costs of purchasing a particularly expensive item with no conditions placed upon the location of the purchased item. All Rochester requires in return is a unit catalog card and the right to request the item on interlibrary loan. The precedent should contribute to further development of the idea but no formal procedures have been drawn up. It is interesting to note

here that one member of the group has eagerly seized upon a variation of an
idea initiated by another. A kind of idea-sharing which should be nourished in
all consortia.

In any event, interest in sharing expensive acquisitions for the
purpose of reducing costs of duplication seems to be awakening. It has been
the experience so far, however, that good ideas die quickly if they are not
taken seriously by at least two libraries in the membership.

9.2   *To develop means for sharing resources*

In this context the word "resources" is defined to include people's
ideas, the work they do, and the materials and facilities which they use.

In the sense that useful experiences and ideas are shared by the staffs
of the member libraries during mutual visits and meetings, FAUL has indeed com-
mitted itself to maximize these opportunities. Since April 1968, over 3300
man-hours have been devoted to meetings by library staff members; this figure
does not include preparation time or other informal visits. The time spent is
the equivalent of over 1.5 man-years in a little over two calendar years. Very
little has been done to measure either the efficienty of the meetings or their
effect within the member libraries. Presumably, a series of small changes are
continually occurring, which in the long run do make the member libraries "fit"
better together. In general, the assumption operating here has been "the more
that people with similar professional interests communicate, the greater the
chances for stimulating and infusing good ideas and practices among them." By
corollary, the chances for maintaining poor practices are thereby decreased.
A counter-assumption could say that a mutual defense pact _against_ change would
develop. There is in FAUL a tendency for both assumptions to work under varying
conditions.   17

The most interesting example of resource-sharing as defined above in FAUL to date has been the Staff Visitation Program. Over a span of six months, each library has invited staff members from its sister libraries to spend 1-1/2 days examining the facilities and procedures and talking with their counterparts about common problems. The final visitation in this current series occurred in June 1970. The series deak mainly with the transfer of experience and comparison of procedures about circulation services. A report was made to the Access Committee which indicates that this activity has been of great personal value to the participants and there is strong feeling that the technique should be continued and expanded into a full-blown continuing education program for other groups within the organization. This idea is under study with the Graduate School of Library Science at Syracuse University.

There are three other activities which also give support to the attainment of this objective. The first is the publication of the *Directory of Personnel of the Five Associated University Libraries and Computing Centers*. This directory lists about 85 professionals from FAUL universities, indicates title, address, telephone number and states if they participate in FAUL committees or projects. A proposal before the Board, developed by the Access Committee, recommends the expansion of this directory to include language and special subject competencies of library staff members, thereby widening the potential application of rare and unusual skills to problems through the Association.

In order to increase the ease of access by faculty and students to each member library, two agreements were made relating to In-Person-Borrowing Privileges (IPBP). In April 1968 IPBP were offered to faculty members. This agreement meant

that any faculty member could borrow circulatable items from any FAUL library merely by showing his ID card in-person at a FAUL library. As a measure of use by FAUL borrowers of Cornell resources, exclusive of interlibrary loan, 158 faculty members and 360 students borrowed 2400 items during FY 1968-69.

In January 1970, similar privileges were announced for doctoral candidates. Authorization cards are issued by the user's home library after clearance by a designated staff member. Monthly reports are made to the Access Committee and problems are cleared up handily. Recent figures suggest the following summary statement, projected over one year at current activity rates: All FAUL libraries will issue about 275 IPBP cards this year to students who would not have received permission before. The principal flow has been from Syracuse to Cornell (76%); Cornell has not issued any so far this year.

A series of policy statements relating to future expansion of the borrowing privilege was adopted by the Access Committee. In general, the Committee strongly recommended that this trend should be continued as long as possible. Monitoring and implementation of this kind of policy decision could be more easily done if compatible computer-based circulation control systems were operating in FAUL.

In early Summer of 1969, the Access Committee began assembling data to compile a FAUL HANDBOOK. The publication provides basic information to aid the faculties and students of the five universities to use each other's libraries. It includes information about transportation, lodging, locations, and important telephone numbers which a user may need to know in order to use the facilities and resources of the FAUL libraries fully and efficiently. It was published in June 1970.

The Access Committee adopted the following agreement about photocopies
on December 16, 1969:

> "No charges will be made among FAUL libraries, including branches, for
> photocopies and associated charges relating to interlibrary loans. All
> interlibrary loan requests sent to Cornell which are eligible for NYSILL
> will continue to be so coded."

Since extensive resource-sharing requires a knowledge of what items are
owned by each library, three projects were undertaken toward satisfying that need.

First. In the Spring of 1969, a request for matching funds was sub-
mitted to the National Endowment for the Humanities. The request totalled
$10,000 to produce a monograph entitled, *Notable Research Collections in Upstate
New York: Critical Descriptions*. It was to have been a one-year project. The
NEH would not support the request, saying that it was of limited national value.
No further action has been taken.

Second. Two editions of a publication entitled, *Manuscripts for Research*
have been published. The first was distributed in February 1969; the second in
October. Over 700 manuscript collections are listed. Cornell assumed compila-
tion, editorial and printing responsibility for the second edition, and FAUL
Central paid out-of-pocket expenses. This series appears to have been well re-
ceived by the academic community; over 7000 copies have been mailed. The
responsibility for the series resides with the Special Collections Committee.
Entries were composed on an IBM MT/ST so the cost of a third edition should be
minimal.

Third. The organization is well along in the compilation of a *Short
Title Catalog of 18th Century British Imprints*. About 20,000 citations from
the member libraries are involved, and they have been assembled in card form at
Cornell. After editing they will be converted to machine-readable form, indexed
and printed. An added bonus will be a more important product, a magnetic tape

containing the citations. Citations in this form can be used by literary

researchers for quantative analysis of printers (for instance) as well as for

minimizing the effort of updating the file. FAUL is working with the National

Committee on an Eighteenth Century STC to produce this product, which relies

heavily upon FAU's experience in the computer manipulation of text. See

MASFILE, below

9.3   *To develop shared storage facilities*

A major way to share book resources is to share the costs of housing them

in a single low-overhead building and transport them on demand to points of use.

A talk paper on shared storage was written in March, 1967: *Organizing a Compact*

Storage Collection of Library Material. The paper was a thoughtful beginning

of a pilot project which was never carried further for basically two reasons,

1) Syracuse, Rochester and Buffalo each had local off-campus storage facilities,

and 2) Cornell, Rochester and Buffalo became members of the Center for Research

Libraries, and Syracuse also supports a few of the Center's projects.

In the intervening months the picture has changed somewhat. In Spring

1970, the University of Rochester opened a new and spacious library; Syracuse

will also in less than two years; Buffalo is opening up other facilities but

still maintains a large off-campus warehouse; Cornell is beginning to plan for

additional library space needed earlier than anticipated and Binghamton has

moved over 40,000 volumes to the local county library because of space pressure.

All libraries have uncataloged backlogs and they are increasing.

Shared storage facilities can take basically two forms: a single cen-

tralized facility, or a series of specialized facilities tied together by rapid

delivery services. The first configuration does not exist in FAUL yet, since

the Center for Research Libraries is designed to serve that need for seldom-
used materials, and some FAUL libraries substantially support that institution.
The second configuration already exists by historical accident. Special col-
lections in poetry, Arabic, railroad archives, Southeast Asia materials and
many others have developed almost by whim and opportunity, but completely un-
planned. Where these specialized collections overlap and/or supplement each
other, there appears to be fruitful grounds for single-building storage and
processing services.

A recent study by an operations research team explicated the economic
advantages of centralized compact storage for FAUL libraries, as it might relate
to the Center for Research Libraries as an intermediate node in a national
repository system.* The barriers to establishing such a center appear to be
more psychological than economic.

9.4   To develop easy and rapid communications systems among the membership
Communication theory tells us that a message, sender, a channel, and a
receiver are the basic components of any communication system. The direction
is reversable and some monitoring component must be included in order to
maintain system operation. In FAUL the major effort has been under the control
of the Access Committee, and has been directed mainly to the transport of 1) docu-
ments, and 2) people, and 3) messages from one library to another.

In line with the study of telefacsimile devices made for the New York
State Library by Nelson Associates, the FAUL Central Staff has also concluded
that the process would be not only too expensive for ILL document transfer
but for administrative communications between the Coordinator's office and a
FAUL Systems Group at SUNY-Buffalo. Until equipment and procedures are developed

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*Unpublished

which will allow books and micro-images to be transmitted legibly and at
reasonable speed and cost, FAUL has elected not to investigate this technology
further. It should be noted that Syracuse University Library does use such a
system successfully between its main building and a warehouse about two miles
from campus.

All FAUL libraries have TWX facilities as a result of their participation
in NYSILL and the 3R's programs. (These are described in other conference papers).
Therefore, the following resolution was adopted in December 1969:

> "That teletype machines be used for reference services as well as
> for interlibrary loan queries among FAUL libraries."

Since the committee structure of FAUL was changed during the Summer of 1970,
follow-up on this resolution and other cooperative reference services has been
deferred until the reference librarians have a chance to study the problem
within the User Services Committee.

As part of its study of inter-institutional transportation, the Access
Committee also looked at busing faculty and students between the campuses. An
ad hoc test from Binghamton to Cornell, a relatively heavy-use corridor, revealed
that little demand for bus service existed. This test was not preceded by
publicity nor was Cornell aware of it until it was concluded. A recommendation
by the Committee that a similar test be run between SUNY-Buffalo and Rochester
has not been implemented.

The major activity concerned with the attainment of this objective is the
FAUL Library Delivery Service Pilot study. The Board instituted a two-phase
study designed to discover the most appropriate way to move books and other
materials between the member libraries. The first phase consisted of identifying
nine modes of transport ranging from helicopter service through a FAUL station-

wagon fleet and common carriers. The second phase resulted in a test of
United Parcel Service while simultaneously gathering data on times, loads and
costs of such transport compared with alternate modes. Preliminary observations
indicate that speed of transport is not of very much concern either to the
librarians or to users; that most of the delay occurs within the libraries--not
between them; that U. S. Mail though unpredictable is the cheapest mode
considering the low volume of materials now moving between FAUL members.

Communication has of course been heavily telephone oriented, supplemented
by day-long conferences with appropriate individuals. Because of its central
location and ready availability to transportation arteries, committees have
generally met at Hancock Airport in Syracuse. Because of noise and air pol-
lution however, other quarters are also being used in local motels.

9.5 To develop compatible machine systems

Responsibility for pursuing this objective has rested largely with the
FAUL Systems Committee, the predecessor of the Technical Services Committee.
Since there has been resistance to adopt particular machine systems for any
purpose in more than one library, standardization of a "FAUL system design" has
not been accomplished in any significant way. There has been, however, one area
which the Systems Committee has been able to develop to some degree; the develop-
ment of a central file of bibliographic records in machine-readable form. This
effort is called the MASFILE Project. The principle working group has been the
MASFILE Input Group (MIG) a task group of catalogers monitored by the Systems
Committee.

The MASFILE Project is conceived as a long-ranged series of experiments
designed to produce a centralized data base composed of records selected from
each library and from MARC tapes. So far two phases have been completed. MASFILE-I

resulted in a final report, a report of an on-line editing experiment, and a
365 page bound printout of a bibliographic file arranged alphabetically by
author, indexed by LC class number, LC card number and title. The records
were selected from each library and centrally converted to machine-readable
form. The printout was also produced in microfiche form on KOM-90 Computer-
Output Microfilm machine. Most of the computer work was done by sub-contract
and the on-line experiment was completed and reported by the Research and
Planning Group at Syracuse University Library.

The next phase, MASFILE-II, was built upon the first and is not completed.
A printout has been produced as specified in both paper and computer output
microfiche. The greatest problem in this phase was the bankruptcy of the
contractor and a consequent delay of seven months. A report will be issued
together with a microfiche set containing the second expanded experimental
catalog. The cost of both phases of this effort in contract expenses has been
about $22,000 including that part of the experiment conducted by the Syracuse
University Library--on-line editing of the data base located at SUNY-Buffalo
using ATS.

Members of the Board and the Systems Committee have been raising questions
about the utility of the MASFILE series. In order to alleviate the uncertainty
a rather elaborate set of questions relating to long and short-range planning
were processed through each FAUL committee in a series of "rounds" built upon
a procedure described by Olaf Helmer known as the "Delphi Technique." In
general the weighted consensus favored the development of a method to query the
holdings of each library for interlibrary loan and cataloging purposes. These
and other conclusions are articulated in the MASFILE-II report to be published
in Fall 1970. Building upon that consensus, the library staffs are now evaluating

A proposal to trade main entry cards for items which are cataloged locally.

Processing of weekly MARC tapes distributed by the Library of Congress has been operating since June 1968. Software has been written, debugged and implemented which converts the incoming tape codes to IBM360 coding (USASCII to EBCDIC), merge new records with those already in the file, produce LC card number indexes, and duplicate tapes. This action was accomplished by the Technical Information Dissemination Bureau (TIDB) at SUNY-Buffalo under contract to FAUL. Originally the weekly tapes were processed monthly and distributed to each member library. After noting that no library had plans for using them, (despite early assertions to the contrary) the secondary distribution was terminated. Upon learning of the de-activation of the TIDB, the processing center was moved to Syracuse and is now on the local IBM Service Bureau machine.

The MARC tapes have been used in the MASFILE experiments to extract selected records and merge them with other records in the MASFILE data base. It is expected that the MARC Processing Center and the MASFILE-III project will merge under a new contractor: a contractor yet to be selected to do work yet to be defined by the Technical Services Committee.

As referred to above (page 5) the following microcase study of an attempt to cooperate in circulation system development reveals many problems typical of non-centralized automation projects. In the Spring of 1969, the time was propitious for many FAUL libraries to seek ways to either up-grade their current mechanized circulation control systems or begin studies to implement a first one. Accordingly, Cornell invited all FAUL libraries to participate in a systems study of local circulation procedures. At first no one responded, then Rochester came in, and finally Buffalo sent an observer. Binghamton and Syracuse did not particip because the former was busily upgrading its IBM357 system to an IBM1030 system, and

Syracuse wanted to experiment with a variation of the Binghamton System.

With this uncertainty, one assumption was made by the Coordinator and the Access Committee: that at least three libraries would eventually adopt a 1030-like system (Binghamton - Syracuse - Buffalo). The first level of compatibility which the Committee could grapple with seemed to be to standardize codes for user ID cards, since no agreement was apparently possible on book cards. Accordingly, a 12-digit code was adopted for Hollerith punching into plastic ID cards. Syracuse immediately went about the task of using that code. As of this date, no one else has done so. The outcome of the Cornell-Rochester feasibility study is not yet known, but the Cornell administration does not favor the Hollerith Coding scheme for ID cards. Now Syracuse is pretty well committed to a Colorado Instruments system, Cornell wants bar-coding, Rochester wants Colorado Instruments data collection system and Buffalo has just installed an on-line ATS-based system which requires no book cards or ID cards at all. The libraries are somewhat closer together with respect to circulation system compatibility, but one major block appears to be that in some cases the library has little if any control of the computer operations at the local institution. And the clout apparent in the composition of the Board of Directors has not been effectively mobilized.

A final activity directed toward machine compatibility is the development of a "FAUL Systems Team." In October 1969, the directors of the five computing centers met with the FAUL Board and Joseph Becker. A major recommendation emerging from that meeting was that FAUL should establish a central group of library systems analysts of the highest quality. Originally the group was to have been five persons under one roof at FAUL Central. As it turned out it became two FTE's located in Buffalo in a group which was in the process of

disintegration. A generous amount of supporting funds was allocated by the Board; most of it carried forward into the next fiscal year. Of the FTE's available, only one could be called a library systems analyst and he never spent more than half-time for the three months which he was assigned to the team.

The mission of the team was to analyze the technical processing activities in each of the five libraries at a fairly high level of generality. So far five reports have been drafted. The team has been disbanded, two of the key members going to Ohio State and a third to Digital Equipment Corporation. The main reason for the diaspora was the lack of firm long-term commitment by the Board to maintain such a team. When the team members realized this, they naturally looked elsewhere.

On August 17, 1970 a contract was awarded to Upstate Medical Center to begin the development of an on-line serials control system for two, possibly three libraries.

Several lessons have been learned in the process of working toward compatible machine systems. 1) an outside national authority or standard helps members to agree--MARC for example; 2) libraries which are relatively more highly mechanized are least able to change their systems very much; 3) at least three members consider themselves prima donnas, asserting that they can do most machine projects better than any of the other members; 4) the prima donnas are essentially competitive with each other, and 5) few if any members really want centralized systems planning anyway, particularly if as a result money flows away from local computer centers.

9.6 To explore and develop other areas of cooperation

Other areas of investigation can be quickly listed: (1) joint support of four research fellowships at funding agencies for review; (2) another proposal involving FAUL and the library schools at SUNY-Buffalo and Syracuse to build a pilot set of microfiche packets, machine-readable tapes and an evaluation of current reserve room activities is still in the works.

An inventory of publications produced by FAUL libraries has been completed. The User Services Committee must take next steps here.

Five short documents relating to Special Collections policies were distributed to Library Directors. They are a broadside attempt to produce a consistent set of policies. The titles of these documents are:

> Establishing Legal Title to Gifts Made to Members of the Five
> Associated University Libraries; Statement of Recommended Policy
> Regarding Appraisals in the Five Associated University Libraries;
> Policy Affecting Accessibility of Manuscript Materials in the
> Five Associated University Libraries; Policy Affecting Photocopying
> of Manuscript Materials in the Five Associated University Libraries;
> Policy Affecting Provenance and Integrity of Manuscripts in the
> Five Associated University Libraries.

As of this date only two libraries have endorsed them. When they are approved, they will be so publicized.

9.7 To develop a coordinated policy for long-range growth

The traditional method for planning in FAUL has been for a position paper to be written about a particular subject, then counter papers have been written to modify it. These papers are intended to bring to light salient factors relating to particular interests of FAUL. They have usually been written by individual Board members. A recent talk paper entitled Talk Paper on FAUL Program and Budget Projections, was distributed to the library directors for comment and only one responded. The respondent was very much in favor of this

paper, but no one else picked up the lead. Clearly this technique has limited
use, particularly if decisions are to be made quickly. The interim conclusion
reached by the Executive Council, (which originated the paper) was that few
Board members can or want to grapple with the future 5-15 years from now.

FAUL faces a quandry. The question is often asked, why don't we pick just
one thing and do that? The unsatisfying response is always, "which one thing?"
As the reader can readily see, the Board has no real planning mechanism;
FAUL has relatively low priority in most members' minds and guilt more than
anything else produces any action at all. A comparatively simple act such as
incorporation--accomplished so easily within the 3R's Councils to which each
library belongs, still has not been resolved in FAUL after 18 months of pushing.
By not acting, the organization has cut itself off from state funds and the
group is viewed with some reservations by granting agencies because long-term
commitment is not assured.

To promote such planning the move to restructure some committees as described
in *Organizational Structure* above was made. The Systems Committee and the Access
Committee were renamed and reconstituted as the Technical Services Committee
and User Services Committee respectively. But these changes probably will not
get at the root of the quandry.

10.0 *SUMMARY AND SOME OBSERVATIONS*

About thirty-five projects or activities have been mentioned in this report.
Two have been completed, three tabled and three dropped. The remaining twenty-
seven are either continuous or in various stages of completion. Six of them
are in the proposal stage, either before committees, the Board or funding agencies.
This load may appear heavy, but relatively few library staff members are engaged
in any of them at any one time and they can probably be continued without much

30

staff strain.

The acquisition of a central facility for storage, centralized computer processing or message switching seems further off than a year ago. Tight money, lack of coordinated commitment, increasingly deeper entrenchment in local computer systems, and a competitive rather than a cooperative spirit inhibit its development.

Cooperative acts which are dependent upon the agreement of counterparts within each library are crippled by lack of counterparts. This situation is particularly acute in special collections activities where SUNY-Binghamton, SUNY-Buffalo and to some degree Rochester have been weak. In such situations, committee work tends to be dominated by the larger institutions. The cycle of rechecking between unauthorized representatives with the decision makers is an endless exercise in futility. A radical solution (but a cooperative one) would be to combine departments of libraries under a single strong head effectively creating, a branch department of one library at a second FAUL library. To assert that member libraries can afford to become more independent than they are now is reactionary, and counter to a major reason for FAUL's existence: sharing resources.

Fiscal year 1970-71 will be decisive. Up to now the organization has been groping for an identity and it will continue to do so. Embedded in this process has been a continual testing of the limits cooperative acts can reach and a concommitant gradual delineation of what each library's objectives are in joining together. But very soon as a group it must decide which future FAUL will become 3-10 years from now. Otherwise the grope, the vague discontent will continue and no one will be satisfied.

FAUL will continue to be embedded in several networks and consortia itself. One member library for instance can count at least fifteen other cooperative

agreements which it is trying to honor. New York State, one of the most ad-
vanced in cooperative library development, is fortunate in having excellent
leadership at the state and regional levels. The Coordinator and other persons
related to FAUL sit on a large number of advisory boards of regional and national
library networks. This kind of cross-pollination insures some form of liaison
and parallel development. A key question for all consortia which see themselves
in FAUL's model is how such groups can interface both conceptually and technolo-
gically. This question should form a basic area of concern for attendees at
this conference.

The reader can readily observe that this case study of a young library
consortium has been unrestrained in its reportage. Glossing over the struggles
and rough edges would have been strategically wise perhaps, but the gut issues
of network building must be raised during this conference or its value to the
consortium movement could be lessened. It should be clearly understood that
FAUL and other consortia will be successful in the long run only if they face
honestly the problems raised by this and other papers and determine to resolve
them.

In conclusion, the words of Gilbert Prentiss (p. 88) are appropriate here:
"It is my deep conviction that over and above the problems and techniques of
network establishment and operation which we have touched on, there is an over-
riding urgency to try to understand what it is that we would accomplish with our
networks and to make our own evaluation of whether this is the best thing we
can do as librarians for the society in which we live or to the particular
community of users we serve."

32

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