Presented are guidelines for the methodology of inventory assessment and suggestions of the type of scientific and technological information and documentation facilities to be included or omitted from the survey. The technique of tracing and contacting the selected facilities is presented in tabular form. Examples of useful byproducts which can be generated from the survey are suggested, and techniques of keeping the inventory up-to-date are discussed. Six appendices include a detailed questionnaire for manual and machine processing with extensive coding instruction. A list of 25 bibliographic references is cited. (Author/EB)
Guidelines on the Conduct of a National Inventory of Scientific and Technological Information and Documentation Facilities

United Nations Educational, Scientific and Cultural Organization

Paris, April 1975
GUIDELINES ON THE CONDUCT
OF A NATIONAL INVENTORY
OF SCIENTIFIC AND TECHNOLOGICAL
INFORMATION AND DOCUMENTATION FACILITIES

Prepared under contract for Unesco
by Lydia Vilentchuk

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Paris, April 1975.
SUMMARY

Any sound planning must be based on proven facts and figures. Therefore, the starting point for planning scientific and technological information networks, whether on a local, national or international level, is a comprehensive inventory of existing resources. Inventories have been taken many times before, but no guidelines based on previous experience have been formulated yet, to help those who approach the task for the first time. Recognizing this need, UNESCO has commissioned the compilation of these guidelines within the UNISIST program. These guidelines discuss the methodology of inventory taking and suggest the type of facilities to be included or omitted from the survey. The technique of tracing and contacting the selected facilities is presented in tabular form. Examples of useful by-products which can be generated from the survey are suggested and the techniques of keeping the inventory up-to-date are discussed. Six appendices include a detailed questionnaire for manual and machine processing with extensive coding instructions; examples of tables of statistical data which can be extracted from the inventory; examples of some by-products; a model circular letter to the facilities to be surveyed. A list of 25 bibliographical references is attached.
Recommendation #1 of the UNISIST report on the feasibility of a world science information system (UNESCO, 1971) urges that "adherents should be called upon to extend their efforts to survey information services of national, regional, or international scope".

In the framework of science information planning and the establishment of a national information system, taking stock of existing facilities is of paramount importance, since sound planning can be based on proven facts and figures only. As J.-P. Polinière points out, in his study, *Using and Improving National Information Systems for Development*, "the priority is not to create new information institutions, but to coordinate existing information institutions, from storage to extension, in order to ensure that specific categories of users receive the essential information and consulting services relevant to their needs. Once such an integrated information system is established, weak links can be detected and strengthened, and new institutions can be created without risk of duplication or operating in a vacuum".

A thorough inventory of available resources not only reflects the existing situation as a whole but also reveals weak links in the components of the information network, gaps in information sources and flow, and the present exploit of existing facilities made by the users.

The information derived from such an inventory should identify:

* currently available resources
* gaps and overlaps in these resources
* needs not being satisfied
* a basis for recognizing the parameters for creating an improved system design
* a starting point from which future progress can be measured.

Inventories of information facilities have been made in the past. However, guidelines based on the experience accumulated in the conduct of
these inventories have not been formulated. Such guidelines would enable survey taking authorities to proceed with the least expenditure of time, money and manpower. The lack of such guidelines is especially detrimental when an inventory is being conducted in a developing country, where the expert professional personnel needed for its design may be lacking. In response to this recognized need, these Guidelines were compiled by Lydia Vilentschuk under UNESCO contract.

The author wishes to emphasize that these Guidelines do not set out the only correct way to conduct a survey. Every survey conducting authority will have to decide what types of facilities to include in the inventory and to change those questions in the questionnaire which are not relevant to its particular situation. The inventory's input and output as presented here are intended to provide guidelines based on actual experience in taking such inventories. It is hoped that these Guidelines will assist in designing and conducting similar surveys efficiently, cheaply and quickly.
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The following definitions are to explain the meaning given to a few more or less specialized terms as used in this report.

**ANALYSIS CENTER**

An organization which indexes, abstracts, translates, reviews, synthesizes and evaluates information and/or data in a clearly defined specialized field or pertaining to a specific mission to provide definite users' groups with digested, repackaged or otherwise organized pertinent information or data.

**DOCUMENTATION CENTER**

A place where publications, primarily of a non-book format, are received, processed, preserved, annotated and indexed, and bibliographies prepared--by subject, author or region.

**INFORMATION CENTER**

An organization whose function is to supply information which is derived from publications as well as from any other source on specific subjects. It uses for this purpose the services of documentation centers, analysis centers, libraries and subject specialists, or any other source of information.

**INFORMATION NETWORK**

A system integrating institutions—libraries, documentation centers, information centers, analysis centers—into a coordinated whole to provide a community of users with relevant input data, irrespective of its origin, format or physical location. An information network can be subject- or mission-oriented.

**NATIONAL INFORMATION NETWORK**

An information network coordinating the information facilities of a country.
NATIONAL INFORMATION SYSTEM

A system which plans, coordinates and ties the national information network with research and development institutes, specialists and pertinent organizations abroad, to provide relevant services to users in a country.

PUBLIC LIBRARY

A library which serves the population of a community free of charge or for a nominal fee and is financed either by a public authority or through private sources. It can serve either the general public or special categories of it, such as children, hospital patients, prisoners, employees of particular organizations, etc. It serves primarily recreational and self-improvement purposes.

SPECIAL LIBRARY

A library devoted to a special subject or mission, which offers specialized services to a specialized clientele and is maintained by a professional association, government agency, research institution, learned society, museum, business or industrial enterprise.
INTRODUCTION

With the exponential growth of recorded information today, it is no longer feasible for any single organization to become self-sufficient with regard to its holdings. There is a general tendency to develop ever-expanding interconnections among special libraries and documentation and information centers, beginning with the local level and continuing through the national and regional levels to international or specialized networks. When planning these networks, the planner has to know what is quantitatively and qualitatively available at each level - local, national, regional, international or specialized. Gaps and overlaps in budgets, manpower, premises, equipment, library holdings and services have to be identified and recognized in order to ensure optimal use of the existing or additional resources.

In small or less developed countries planning can usually start on the national level, the local level being dispensed with. However, where setting up a local network seems advisable, the techniques for taking inventory of the resources on this level are the same as for those on higher levels, though on a smaller scale.

SCOPE OF THE INVENTORY

It is suggested that the initial survey of a facility cover the following topics: collections, system of processing the collections, manpower, characteristics of users, services provided for users, budgets, premises and special equipment.

Collections
* quantity and nature of collection (subjects covered; kind of material: secondary publications, patents, specifications, standards, trade catalogues, reports, etc.
* yearly growth
* undesirable duplications and gaps
* predominant languages
* physical form (books, periodicals, microforms, newspaper clippings, maps, audiovisual material, etc.)
System of processing the collections

* cataloguing and classification schemes used: conventional and non-conventional (conventional library classification and cataloguing rules, e.g., ALA cataloguing rules, Dewey, LC, UDC, etc.; non-conventional, e.g., manual coordinate indexing, etc.).
* computer processing for housekeeping and retrieval purposes

Manpower

* number of employees
* educational level of employees
* predominant age groups of those presently employed (to evaluate the number of new entrants required in the near future)

Users

* geographic distribution
* institutional affiliations
* educational level
* frequency of use of the facilities

Services provided for users

* hours per day the facility is open for service
* availability of reference services and their depth: direction to shelves or catalogues only, quick reference services, retrospective literature searches on request, preparation of bibliographies, and provision of information based on other than documentary sources
* current awareness services
* publications (acquisition lists, bulletins, reviews, state-of-the-art reports, abstracts, bibliographies, etc.)
* SDI services

Budget

* existence or non-existence of a planned budget
* annual expenditure for the maintenance of the library or information center
percentage of total outlay for acquisitions and the proportional allocation for books, periodicals, other material; for salaries; for maintenance; for services from outside sources, etc.

Premises and special equipment
- premises especially designed for the facility or only make-shift arrangements
- size in relation to clientele served
- working space for the staff
- storage space
- space for users
- availability of special equipment (readers, reader-printers, duplicating and printing equipment, computers, etc.)

INVENTORY TAKING METHODOLOGY AND PROCEDURE
Types of facilities to be surveyed and their identification

Before starting the actual inventory, a decision must be taken on the types of facilities to include or to omit.

As these guidelines deal with special libraries, documentation and information centers or any other types of information gathering and dissemination facilities - school libraries, including vocational school libraries, should be excluded from the survey. Although the latter are very important for the general cultural development of a country, their holdings and services are of little interest to the professional community at which the UNISIST program is aimed. Similar considerations apply to public libraries. However, some of the larger public libraries have departments run on the lines of special libraries devoted to a particular subject. These departments should be included in the survey.

The inventory will usually include facilities belonging to, or administered by, the organizations listed below. The ways of tracing them are different for each group and the following suggestions are made to facilitate this task.
* Government ministries
  To trace them, consult the government yearbook, or other relevant directories.

* University faculties, schools, departments and research units, plus the university's central library
  To trace them, consult university bulletins and catalogues and talk to the chief librarian.

* Professional associations and societies
  To trace them, consult an up-to-date directory or register of professional associations. If the country has a law requiring all societies to be registered, the appropriate ministry may have such a register. However, both these sources should not be relied upon completely as they are seldom up-to-date and complete. The information should be augmented through personal knowledge, listening to the radio and TV and reading newspaper announcements about professional events.

* Independent research institutes and laboratories
  To trace them, consult directories of institutes in your country, if available. This information should be augmented through personal knowledge and consultation with people working in the appropriate fields.

* Hospitals – government, municipal and private
  To trace them, the telephone directory will be generally quite adequate.

* Museums
  To trace them, consult an up-to-date directory. If such a directory is not available, consult the telephone directory, tourist literature and people working in the field.

* Banks
  To trace them, the telephone directory will be quite adequate.
Larger industrial and commercial concerns
To trace them, consult classified directories of manufacturers and services and a register at the ministry of commerce and industry, if available. These sources can be augmented by consultation with leading personalities in commerce and industry and by personal knowledge.

* National and historical archives
There will be only a few such institutions in a country and they can usually be identified without any difficulty through personal knowledge of the surveyor.

List of facilities to be surveyed
After the decision about the types of facilities to be surveyed is made and their parent organizations are traced, a carefully compiled list of the latter should be prepared. A short circular letter should be sent to all parent organizations, explaining the object of the survey and asking them to notify the surveying organization if they maintain such a facility. A suggested text for the circular letter is reproduced in Appendix A.

Contact should be made with all organizations approached. If no reply to the circular letter is received after a reasonable time, a reminder should be sent out. If this does not lead to results, telephone or personal contact should be established. This is a difficult and time-consuming task, which requires knowledge of local conditions, intuition, resourcefulness and public relations ability.

After the replies are all in, a numbered master list of the facilities to be surveyed is compiled. This master list includes the facility's name, address, telephone and telex numbers and the name of the person in charge.

The questionnaire
The inventory is taken by means of a detailed questionnaire (see Appendix B). The most effective way to conduct it is by a team of interviewers who personally visit the facility concerned, interview the
person in charge and fill-in the questionnaire themselves from information obtained during the interview.

For several reasons it is not recommended to conduct the survey by mail:

* not always will the questions be understood by everyone in exactly the same way
* the terminology used can differ from place to place and the answers will become ambiguous
* the questionnaire will not be completed or returned promptly and it may even stay in somebody's file indefinitely
* the mails are not always reliable, so that loss of some of the filled-in questionnaires may be expected

The proposed questionnaire is suitable for manual and computerized processing and covers all topics listed above. The questions are grouped in a logical sequence. At the time of the interview, special care should be taken that all questions are answered. There is a tendency for the interviewee not to reply to questions not applicable to his particular situation. He should be urged, however, to write "no" or a zero in the relevant spaces.

It should be borne in mind that the questionnaire serves as the means for an initial general survey only. The initial inventory probably will be followed at a later date by detailed inventories surveying specific aspects of the facilities pinpointed by the first stage inventory. Detailed studies of budget distribution, staff qualifications, makes of equipment, existing or contemplated automation areas, quality of services provided, etc., will require a separate second stage inventory. Therefore, it seems impractical to go initially into very great detail. For example, the question about equipment asks about the availability of reader-printers, but not about their make. If there are only a few reader-printers in the potential network, the information about their make will be irrelevant and clutter up the questionnaire. The few facilities which possess a reader-printer can be approached individually later if information is needed, for instance, for planning a central supply organization or requesting outside help in purchasing such equipment. The same considerations apply to the question about
whether automation is practiced or planned for housekeeping or retrieval tasks. Information about specific uses of automation—registration of loans, handling of periodicals, acquisition records, etc.—should be left to the second stage.

Some of the questions, including those concerning the budget, will probably not be answered during the initial interview and will have to be completed later through correspondence, telephone calls or repeat visits. When making the initial appointment for his visit, the interviewer can ask that some specific numerical information be prepared in advance. Although this seems to be a reasonable way to eliminate the need for repeat visits and additional correspondence, it seldom works in practice. Appendix B—Guidelines for Interviewers (p. 28) elaborates further the usefulness of direct interviews as against sending out questionnaires by mail.

The preliminary work of preparing the master list of organizations included in the survey should be carried out by the same team which will later conduct the interviews. This preparatory work will give them an insight into the general situation of information facilities in the country and the organizations and people they will interview later.

The master list of the organizations to be surveyed should be among the interviewers on a geographical basis, to minimize travel time and expenses. It would, however, be desirable that the interviewers meet at the head office at regular intervals with the project leader and the indexer to report on progress and to discuss problems which may crop up in the course of their work. These intervals can be a week, a fortnight or even a month, depending on the physical size of the country and the distance an individual interviewer will have to travel.

Each interviewer should be responsible for the completion of his questionnaires from start to finish, including making the initial appointments for interviews, checking replies, etc. Only the final recording of the answer to the question about the subject matter covered by a facility (question on page 2 of the questionnaire) should not be left to the exclusive
discretion of the interviewer, but should be discussed with a classifier/indexer, who has the final responsibility for this part of the work. The classifier/indexer, perusing all the returned questionnaires, decides on the terminology and depth of the classification and ensures uniformity of the answers.

Manpower to conduct the inventory

* project leader
* secretary/typist
* interviewers
* classifier/indexer

In small and geographically compact countries one person could perform more than one job. For instance, the project leader could carry out the functions of the classifier/indexer in addition to being the project leader.

The project leader should be preferably a senior graduate librarian and should be familiar with the conditions prevailing in the country with regard to government offices, institutes of higher learning, research establishments, professional organizations, industrial and commercial firms, etc.

It is not desirable that he should be an information scientist or subject specialist, as the inventory, especially in developing countries for which it is primarily meant, will encompass mainly conventional special libraries and not facilities employing modern non-conventional retrieval methods. Whereas a senior librarian will be more or less familiar with the principles of computer application to household tasks of a library and retrieval of information, an information scientist will be less familiar with the problems and working methods of a library.

The project leader should receive his terms of reference from the inventory taking authority and decide accordingly which organizations should be included into the inventory. He will have to finalize the list of the facilities to be surveyed; prepare the questionnaire; maintain all contacts...
with the inventory taking authority and with heads of organizations and facilities which will have to be approached; engage, train and supervise the staff; be responsible for the timetable and budget of the project and plan its final output.

The secretary/typist will have to carry out all clerical tasks, like correspondence, filing of records, helping make appointments, etc. The number of secretaries will depend on the size of the project. Possibly in outlying areas part-time secretaries may need to be employed, in addition to those in the head office.

The interviewers should have some previous training in librarianship, persistence, thoroughness, a pleasant personality and good public relations ability.

The team of interviewers will have to be carefully selected and made intimately familiar with the contents of the questionnaire. The exact meaning of every question, terminology to be used, depth of answers expected, the reason each question is asked, the ultimate purpose of the project, and the various uses it will be put to should be explained in detail. If the number of interviewers is very small this can be done by the project leader on an individual basis. Otherwise it is preferable to hold a day's seminar devoted to this purpose.

The number of interviewers will depend on the number of facilities to be interviewed and the time allotted for the compilation of the survey. As a basis for calculation, it can be assumed that each interview lasts 1 1/2 to 2 hours and that the interviewer will make two visits a day. The rest of the working day is spent in the office with correspondence, telephone calls, checking filled-in questionnaires, making future appointments and checking the subject entries with the indexer.

The classifier/indexer should have previous experience in indexing and preferably some knowledge of library classification schemes. His task will be to centralize all the replies concerning the subject matter covered by
individual facilities, received by the interviewers. He should check the subject headings proposed by the interviewee together with the interviewer responsible for the filling-in of the particular questionnaire and make the final decisions about the terms to be used to ensure uniformity of terminology as well as the level of concepts to be selected in each case.

OUTPUT PREPARATION AND USE

After the questionnaires are properly filled-in, they are ready for processing either manually or in machine-readable form. Processing includes extraction of statistical data, evaluation of existing facilities and the preparation of valuable by-products.

Processing for planning

The processing should be handled preferably in two stages. The first stage should provide a general overview of the existing situation, help pinpoint strong and weak points, and identify areas for further in-depth study where necessary (see Appendix C, Tables I-III). The second stage can study in greater depth aspects identified by the first stage processing as demonstrated in Appendix C, Table IV.

Table I or Appendix C is an example of a statistical summary of first stage processing, reviewing the existing facilities by ownership and giving information on total expenditure, total manpower, total stocks, etc., of an imaginary country. This table reveals that the contribution of the private sector to the national information services is only minimal and that the initiative for their provision is left to the government. Further, that a total staff of 400 provides services based on a collection of 2,500,000 books with yearly additions of 70,000 volumes and 17,500 current periodical titles. This seems inadequate and the staff's distribution among the facilities appears unbalanced.

Tables II and III are statistical summaries of expenditures and manpower also derived from first stage processing.
Table II details, in three main groups, the expenditures of the same imaginary country for acquisitions, manpower, and maintenance. This table reveals that the division of the budget does not encourage the proper use of existing stocks, since the portion of the budget earmarked for manpower (32% of the total) is very low in relation to the amount spent on acquisitions (50% of the total). Due to inadequate manpower the stock cannot be adequately processed. Services supplied to users are less in scope and depth than could have been rendered from the same stock if adequate manpower were available. The "acquisitions" item in the same table reveals that the expenditure for books (64% of total acquisitions) is very high in relation to the expenditure for periodicals (28% of total acquisitions) and other materials and outside services (4% of total acquisitions each). This may imply that the information provided is likely to be somewhat out-of-date and lacking specific detailed response.

Table III divides the available manpower in the same imaginary country into three main groups: university trained professionals, non-university trained professionals (technicians, assistants, etc.) and supporting staff (clerks, reprographers, binders, etc.). This table shows the ratio of professional to non-professional staff and indicates how far the existing situation guarantees the optimal utilization of existing manpower. It further shows that by 1980 40% of the professional staff working today will be retired. This fact is useful to know when training programs are planned.

Table IV is an analysis of university trained manpower by subject areas of their training in relation to subject areas of the facilities being staffed. This table is an example of second stage processing to study in greater depth specific problems which may have been identified during the first stage processing. Data for this table have been obtained from an additional study undertaken after the information resulting from the first questionnaire has been analyzed.

By-products of the inventory

In addition to the primary object, to provide one of the parameters for creating an improved system design of information facilities, the survey can be used for
planning training schemes and curricula for library and information workers, for standardizing processes and services, and for preparing some useful publications.

For instance, a directory of special libraries and information centers will be a very useful by-product of the inventory and will need very little editing if the information required for it is grouped in the first part of the questionnaire for manual processing or properly tagged for machine processing. Appendix D presents a suggested format for such a directory. The individual entries are arranged alphabetically by name of facility and the "main subjects" (page 2 of the questionnaire) can serve as index entries.

Another useful by-product of the survey is a "finding list" of secondary publications currently received by the various facilities in the country. A union list of serials for a country's libraries is an ambitious and expensive undertaking, requiring a large budget and trained manpower. On the other hand, a "finding list" of secondary publications is very useful as a first step in the centralization of information about the country's potential and can be easily and inexpensively prepared as a by-product of the survey (see Appendix E for a sample page).

Many other by-products can be derived from the initial survey like address lists for professional announcements, training courses, lectures, exhibitions, etc., or location lists of specific collections of patents, reports, illustrations or others, to mention only a few.

**KEEPING THE INVENTORY UP-TO-DATE**

The first inventory will serve as basis for future surveys of the national information and documentation facilities of the country. However, due to the dynamic developments prevailing in most countries today, the factual information it contains will rapidly become out-of-date. To remain meaningful it will have to be updated regularly.
The up-dating process can be carried out by two different methods: either as a continuous process or as a project undertaken regularly at specified intervals.

If the continuous up-dating method is chosen, the survey team can be partially retained after completion of the initial survey and its personnel will then be familiar with all the problems and procedures, resulting in greater standardization and efficiency. The drawback of this approach is that the information available at any given time will not be up-to-date in the same measure for each individual facility. Information about some of the facilities will be correct as of the date of the initial survey while information about other facilities will be completely up-to-date.

An advantage of the second method is that all the information contained in the survey is reasonably correct as of a specified date. A disadvantage of this approach is that, even under the best conditions, undertaking a new survey will probably not be feasible more often than once every two years. The personnel needed for conducting a repeat survey will have to be reassembled and retrained each time and the survey will require almost as much time, money, and manpower as the original one.

Keeping in mind the advantages and disadvantages of both these methods, the survey taking authority will have to decide which up-dating procedure to select.
REFERENCES

This list does not intend to be an exhaustive bibliography on the subject, but only a listing of selected references to the more recent publications in the field. An attempt has been made to record activities taking place in countries with different levels of development.

1. BENTON, MILDRED, et al.
   The study includes a chapter on the methodology of conducting the survey. A sample of the questionnaire is included in the appendix.

2. BHATTACHARYYA, K.
   Some general characteristics of special libraries in science and technology in the U.K.
   This paper records the partial findings of a survey on special libraries, and is concerned with identification and analysis of the essential elements of the framework within which special libraries work. Includes tables.

3. BHATTACHARYYA, K.
   Some problems of using library surveys as a research method.
   The author discusses, on the basis of his own experience, some of the problems involved in conducting a survey, and suggests measures for their solution.

4. BOOZ ALLEN APPLIED RESEARCH.
   Various pag. (AD 640 100).
   This report summarizes the on-site study of mechanization in DoD libraries and information centers. Included are presentations and evaluations on file structure, input processing, serial control, circulation control, scope and size of collection, COSATI subject area breakdowns, etc. A bibliography is included in the report.

5. BOYLE, P.J. and BUNTRICK, R.
   Survey of the world agricultural documentation services. Prepared on behalf of the FAO Panel of Experts on AGRIS and of the Working Group for Agricultural Documentation and Information of the European Communities.
   Results are presented of a world survey of secondary documentation services in the fields of agriculture, fisheries, food science and technology, and related subjects. Statistical and descriptive data are given, and a copy of the questionnaire is included in the report.

6. CAMPBELL, D. and HANSON, C.W.
   Results of a survey of the information units of a sample comprising 52 British industrial and commercial organizations. The survey collected data on the size, scope, level, organization, methods, and cost of the information units. The questionnaire is included in the report.
7 DHIR, S.C. and ANAND, S.K.
Describes the result of a questionnaire that was sent to 114 institutions, 90 of which replied, in Burma, Ceylon, India, Indonesia, Mongolia and Thailand. The article includes comments and recommendations, and discusses budget, holdings, photocopy services, acquisition methods, cataloging, staff, etc.

8 DOWNS, ROBERT B.
A survey of university libraries as well as colleges, public, government and special libraries. The report discusses administrative organization, technical services, readers' services and use, physical facilities, library cooperation, specialized collections, etc. Report includes 30 tables and recommendations.

9 EUROPEAN INDUSTRIAL RESEARCH MANAGEMENT ASSOCIATION.
Questionnaire includes questions on administration, collection, equipment, information dissemination, staff education, and services, of an information unit.

10 FID/COMMITTEE FOR DEVELOPING COUNTRIES.
A short questionnaire to collect data on libraries and information centers in a country. There are questions about organization, central activities, needs and plans.

11 GOLDBERG, HERBERT, ed.
The papers which were presented at a conference at the University of Illinois discuss some of the newer mathematical techniques for measurement and evaluation, the problems involved in the definition of criterion, and methods of measurement and evaluation in other related fields.

12 GREAT BRITAIN. DEPARTMENT OF EDUCATION AND SCIENCE.
The study examines the functions and organization of the British Museum Library, the National Central Library, the National Lending Library for Science and Technology, and the Science Museum Library in providing national library facilities.

13 INSTITUTE FOR INDUSTRIAL RESEARCH AND STANDARDS.
The report discusses the objectives and methodology of the survey, and includes the various questionnaires and letters used during the survey. There are close to 200 tables throughout the report, and a list of scientific and technical information services in Ireland.
14 KRAUS, DAVID H. et al.
A directory of current library activities in Eastern Europe.

15 LIM HUCK TEE, E. and TANG WAN FONG.
A report on a questionnaire survey covering library facilities and holdings, including scientific/technical reference books, journals, commercial reference works and audio-visual materials. The survey questionnaire is reproduced as an appendix.

16 MIROPOL'SKII, Kh.
Types of survey are analyzed by their purposes narrowly specialized, complex, comparative and the requirements of the surveys are specified. Points out the need for writing summary subject plans of surveys, stressing the importance of information services in survey writing. The journal is available in English as Automatic documentation and mathematical linguistics, beginning with 1970.

17 POLINIERE, JEAN-PAUL.
This study provides a pragmatic overall view of the value of national information systems to a country's development. For the purpose of the study the author consulted with experts in the field, and surveyed the essential literature published during the last five years.

18 SIROIS, JULIE.
The current status of library holdings, services, and activities in the U.S. Pacific and other areas of the Pacific (New Zealand, Cook Islands, Fiji, Tonga, and Papua New Guinea) are described. The information provided a basis for the design of a demonstration Pacific Library Network by satellite. A questionnaire was used for the survey.

19 THOMAS, SARAH M.
The survey of existing facilities was conducted by questionnaire and personal interview. The report includes discussion of the results, sample of the questionnaire, and a statistical summary of information facilities.

20 UNESCO.
The recommendation includes defi-
nitions of library terms, classification of libraries, and types of statistical data that should be reported.


In accordance with the Recommendation concerning the International Standardization of Library Statistics, adopted by the General Conference of UNESCO at its 16th session, in 1970, the questionnaire was prepared by UNESCO for the purpose of taking national inventories.

22 UNESCO. Study on national structures for documentation and library services in countries with different levels of development, with particular reference to the needs of developing countries. Paris, 1973. 150p. + app. (Com/WS/301).

The study summarizes and compares the present state of documentation and library services in selected developing and developed countries. The questionnaire is included in the appendix.


The study concludes that UNISIST should act as a catalyst to stimulate international cooperative agreements among information systems, and as an initiator of new projects designed to improve world information tools and resources.


This report presents comprehensive statistical and related information on special libraries serving the Federal government, their organization, staff and operating expenditures. Data is also given for the primary subject areas of the collections, and the libraries' functions are tabulated. The report includes a copy of the questionnaire.


The survey is presented on a country by country basis. Fifteen out of the twenty countries were visited personally by the interviewers conducting the survey.
Dear Sir/Madam,

To ensure the most effective use of existing scientific and technological libraries and other documentation and information facilities, we are taking an inventory of what is currently available in our country.

This survey will enable us to help you trace publications and services you may need. It will also show up possible gaps and shortcomings in information services which national planning could reduce or eliminate.

We need your help to help you!

Please use the attached form to let us know if your organization maintains a scientific or technical library or documentation or information unit. If the answer is "yes", we will ask you at a later date to agree to an appointment with an interviewer from our office, who will, with your help, fill-in a questionnaire about the facility you maintain.

Yours very truly,

(name and address of organization taking the inventory)

Gentlemen, please be advised that our organization

- maintains a scientific or technological library, documentation or information unit. [Please circle the applicable type(s) of facility]
- does not maintain any library or documentation or information unit
- maintains a general library for recreational reading only. [To be answered by government ministries, hospitals, bank and industrial and commercial undertakings only]

Name (of answering organization)
Address (of answering organization)
Telephone (of answering organization)
Telex (of answering organization)

Name of Person in Charge
Position
Signature
APPENDIX D

NATIONAL INVENTORY OF INFORMATION AND DOCUMENTATION FACILITIES

Put only one number or letter in a space. Do not fill in black-bordered boxes.

Interviewer: ___________________________ Interviewer's Organization: ___________________________
Person Interviewed & Position: ___________________________ Date: ___________________________

ART A Administration and Profile of Operations (card 01)

01. Name of Parent Organization: ___________________________

09. Ownership by: Check only one
   ① Government
   ② Local Authority
   ③ Other Public
   ④ Private-for-profit
   ⑤ Private not-for-profit
   ⑥ Other non-public

10. Type of Organization: Check only one
   ① Educational (non Medical)
   ② Professional Association
   ③ Medical, Dental, Veterinary
   ④ Research Institute
   ⑤ Government, Public Office
   ⑥ Commerce
   ⑦ Communications
   ⑧ Religious Institution
   ⑨ Other; explain:

11. Name of Facility: ___________________________

12. Type of Facility: Check only one
   ① Library
   ② Documentation Center
   ③ Information Center
   ④ Information Analysis Center
   ⑤ Other, explain:

16. Year Established: ___________________________

20. Address: ___________________________
   Street address and/or F. O. Box

23. Telephone Number: ___________________________

26. Name & Title of Person-in-Charge: ___________________________

28. Is this facility a central library with subsidiary branches? ⑤ Yes ③ No

29. Is this facility a branch library subsidiary to a central library? ③ Yes ⑤ No

30. If the answer to either question is "yes", state the number of branches in the system:

30. Services Provided: Check all applicable answers.

   Use of Reading Room
   Borrowing Privileges
   Bibliographies & Lit. Searches
   Current Awareness Services
   Tailored SPI Services
   Consulting Services

31-78. Days and hours facility is open for service:

79-80. Number of hours open per week:

28
Main Subjects: Circle the 3-digit code for all applicable subjects. If all or most subfields of a major subject are applicable, then circle only the major subject-code ending in '0'.

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>All Inclusive</td>
</tr>
<tr>
<td>020</td>
<td>Religion</td>
</tr>
<tr>
<td>030</td>
<td>Philosophy</td>
</tr>
<tr>
<td>040</td>
<td>Psychology</td>
</tr>
<tr>
<td>050</td>
<td>Education</td>
</tr>
<tr>
<td>051</td>
<td>Higher</td>
</tr>
<tr>
<td>052</td>
<td>Primary</td>
</tr>
<tr>
<td>053</td>
<td>Secondary</td>
</tr>
<tr>
<td>054</td>
<td>Special (incl. Mentally Retarded and Physically Handicapped)</td>
</tr>
<tr>
<td>055</td>
<td>Vocational</td>
</tr>
<tr>
<td>060</td>
<td>Social Sciences</td>
</tr>
<tr>
<td>070</td>
<td>Economics (Accounting, Banking, Commerce)</td>
</tr>
<tr>
<td>080</td>
<td>Political Science</td>
</tr>
<tr>
<td>090</td>
<td>Law</td>
</tr>
<tr>
<td>100</td>
<td>Linguistics and Literature</td>
</tr>
<tr>
<td>110</td>
<td>Ethnography and Folklore</td>
</tr>
<tr>
<td>120</td>
<td>Homeland Studies</td>
</tr>
<tr>
<td>130</td>
<td>Geography</td>
</tr>
<tr>
<td>140</td>
<td>Earth Sciences</td>
</tr>
<tr>
<td>141</td>
<td>Atmospheric Sciences</td>
</tr>
<tr>
<td>142</td>
<td>Geology</td>
</tr>
<tr>
<td>143</td>
<td>Hydrology</td>
</tr>
<tr>
<td>144</td>
<td>Mineralogy</td>
</tr>
<tr>
<td>145</td>
<td>Oceanography</td>
</tr>
<tr>
<td>150</td>
<td>Ecology (incl. Polution)</td>
</tr>
<tr>
<td>160</td>
<td>Energy Problems</td>
</tr>
<tr>
<td>161</td>
<td>Exact Sciences</td>
</tr>
<tr>
<td>171</td>
<td>Astronomy</td>
</tr>
<tr>
<td>172</td>
<td>Mathematics</td>
</tr>
<tr>
<td>173</td>
<td>Physics</td>
</tr>
<tr>
<td>174</td>
<td>Space Sciences</td>
</tr>
<tr>
<td>177</td>
<td>Computer Sciences</td>
</tr>
<tr>
<td>180</td>
<td>Statistics</td>
</tr>
<tr>
<td>190</td>
<td>Chemistry</td>
</tr>
<tr>
<td>200</td>
<td>Engineering</td>
</tr>
<tr>
<td>210</td>
<td>Aeronautical</td>
</tr>
<tr>
<td>211</td>
<td>Agriculture</td>
</tr>
<tr>
<td>212</td>
<td>Civil</td>
</tr>
<tr>
<td>213</td>
<td>Military</td>
</tr>
<tr>
<td>214</td>
<td>Mining</td>
</tr>
<tr>
<td>215</td>
<td>Supply, Sanitation</td>
</tr>
<tr>
<td>216</td>
<td>Naval</td>
</tr>
<tr>
<td>217</td>
<td>Public Health, Water</td>
</tr>
<tr>
<td>218</td>
<td>Technology</td>
</tr>
<tr>
<td>219</td>
<td>Food</td>
</tr>
<tr>
<td>220</td>
<td>Glass</td>
</tr>
<tr>
<td>221</td>
<td>Leather</td>
</tr>
<tr>
<td>222</td>
<td>Metallurgy</td>
</tr>
<tr>
<td>223</td>
<td>Plastics</td>
</tr>
<tr>
<td>224</td>
<td>Rubber</td>
</tr>
<tr>
<td>225</td>
<td>Textile</td>
</tr>
<tr>
<td>226</td>
<td>Plastic</td>
</tr>
<tr>
<td>227</td>
<td>Silicate</td>
</tr>
<tr>
<td>228</td>
<td>Textile</td>
</tr>
<tr>
<td>229</td>
<td>Wood</td>
</tr>
<tr>
<td>230</td>
<td>Military Science</td>
</tr>
<tr>
<td>231</td>
<td>Urban Studies</td>
</tr>
<tr>
<td>232</td>
<td>Administration &amp; Management</td>
</tr>
</tbody>
</table>

APPENDIX 2

Does the facility have extensive holdings in any very specialized subject areas not adequately indicated above? (Yes) No.

If "Yes", specify which areas:

---

PART B The Collection (Card 06)

Percentage of foreign languages included in the collection by percentage of the total. Record up to three specific languages not printed on this form in columns 13-15, 26-28, and 43-45. Percentages should total 100%.

<table>
<thead>
<tr>
<th>Language</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td></td>
</tr>
<tr>
<td>German</td>
<td></td>
</tr>
</tbody>
</table>

Size of Collection:

<table>
<thead>
<tr>
<th>Book Volumes</th>
<th>Periodical Titles</th>
<th>Manuscripts</th>
<th>Printed Abstracting &amp; Indexing Services</th>
<th>Microform Items</th>
</tr>
</thead>
</table>

Card(s) 1 of 1

---

PART C Titles of Abstracting and Indexing Services (Card 07)

List title only. If more space is required, record the excess on attached pages under the heading "Abstracting and Indexing Services".

---

Card(s) 1 of 1
### Systematic Collections

If the facility has only occasional items of these materials, do not check the answer. If the facility maintains systematic collections of these materials, check the answer and record the sources and subjects in the appropriate diagrams.

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Trade Catalogs (Materials, Products, Processes - not Literature)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Patent Specifications</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Engineering Drawings</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Specifications</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Theses &amp; Dissertations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Other materials, describe:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Trade Catalogs

If space is not sufficient, record excess on attached pages under the heading "Trade Catalogs".

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Patent Specifications or Abstracts

If space is not sufficient, record excess on attached pages under "Patent Specifications".

<table>
<thead>
<tr>
<th>Country</th>
<th>Subjects (Record &quot;N/A&quot; if every patent currently issued by a country is acquired)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Engineering Drawings

If space is not sufficient, record excess on attached pages under the heading "Engineering Drawings".

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Subjects</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### APPENDIX B

**Country** | **Subjects** | **Country** | **Subjects**
--- | --- | --- | ---

**Theses and Dissertations:** If space is not sufficient, record excess on attached pages under the heading "Theses & Dissertations".

**Maps and Aerial Photographs:** If space is not sufficient, record excess on attached pages under the heading "Maps & Aerial Photos".

**Reports:** If space is not sufficient, record excess on attached pages under the heading "Reports".

---

09 Card 01 of 10 Cards

09 Card 02 of 10 Cards

\* = 0-2-8

---

31
### APPENDIX D

Changes in Collection during the last fiscal year:

| 7. Has the collection grown? | Yes | No |
| 8. Has the collection been weeded? | Yes | No |
| 9. Did substantial losses occur due to accident, theft, misuse, misfiling, etc.? | Yes | No |

#### Type of Item

<table>
<thead>
<tr>
<th>Amount of New Material</th>
<th>Amount Weeded Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>Books</td>
<td>volumes</td>
</tr>
<tr>
<td>Periodicals</td>
<td>titles</td>
</tr>
<tr>
<td>Microforms</td>
<td>items</td>
</tr>
<tr>
<td>Manuscripts</td>
<td>items</td>
</tr>
<tr>
<td>Abstracting &amp; Indexing Services</td>
<td>services</td>
</tr>
<tr>
<td>Magnetic Tape (Data Base) Services</td>
<td>services</td>
</tr>
<tr>
<td>Trade Catalogs</td>
<td>items</td>
</tr>
<tr>
<td>Patent Specifications</td>
<td>items</td>
</tr>
<tr>
<td>Engineering Drawings</td>
<td>items</td>
</tr>
<tr>
<td>Other Specifications</td>
<td>items</td>
</tr>
<tr>
<td>Theses and Dissertations</td>
<td>items</td>
</tr>
<tr>
<td>Maps and Aerial Photographs</td>
<td>items</td>
</tr>
<tr>
<td>Reports</td>
<td>items</td>
</tr>
<tr>
<td>Directories</td>
<td>items</td>
</tr>
<tr>
<td>Monographs, Pamphlets &amp; Reports</td>
<td>items</td>
</tr>
<tr>
<td>Illustrations and Photographs</td>
<td>items</td>
</tr>
<tr>
<td>Newspaper Clippings</td>
<td>items</td>
</tr>
<tr>
<td>Films and Slides</td>
<td>items</td>
</tr>
<tr>
<td>Sheet Music</td>
<td>items</td>
</tr>
<tr>
<td>Records (Music)</td>
<td>items</td>
</tr>
<tr>
<td>Tapes (Music)</td>
<td>items</td>
</tr>
</tbody>
</table>

### PREMISES

Areas are recorded in (circle one) square meters / feet / yards. Use same unit of measure for all answers.

<table>
<thead>
<tr>
<th>Total area:</th>
<th>User's area (reading-room and open stacks):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

31. Were premises planned in advance for use by this facility? Yes | No 
32. Is space available for expansion of the facility? Yes | No 
33-37. Are premises also used for other purposes? No 

#### BUDGET

State all amounts in local currency, even if actual expenditure must be made in foreign currency. Use data for last fiscal year if possible and rounded figures when convenient.

38-43. Data covers the 12-month period ending:

44. Does the facility have a pre-planned budget? No 

Describe other sources (if any):

67-74. Payment for acquisitions is made by (check all applicable answer):

| A) Prepaid vouchers | B) Prepaid Deposit Accounts | C) Payment on receipt of bill | D) UNESCO coupons |
| A) Prepaid vouchers | B) Prepaid Deposit Accounts | C) Payment on receipt of bill | D) UNESCO coupons |
| A) Prepaid vouchers | B) Prepaid Deposit Accounts | C) Payment on receipt of bill | D) UNESCO coupons |
| A) Prepaid vouchers | B) Prepaid Deposit Accounts | C) Payment on receipt of bill | D) UNESCO coupons |
| A) Prepaid vouchers | B) Prepaid Deposit Accounts | C) Payment on receipt of bill | D) UNESCO coupons |
| A) Prepaid vouchers | B) Prepaid Deposit Accounts | C) Payment on receipt of bill | D) UNESCO coupons |

75. Are any acquisitions obtained in exchange for publications or services from the facility? No 

If yes, state value of such acquisitions during the last fiscal year:
Total Expenses

<table>
<thead>
<tr>
<th>Acquisitions</th>
<th>Percentage of Stated Amounts Required in Foreign Currency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Books</td>
<td></td>
</tr>
<tr>
<td>Periodicals</td>
<td></td>
</tr>
<tr>
<td>Services*</td>
<td></td>
</tr>
<tr>
<td>Other Materials</td>
<td></td>
</tr>
<tr>
<td>Salaries</td>
<td></td>
</tr>
<tr>
<td>Professionals**</td>
<td></td>
</tr>
<tr>
<td>Non-professionals</td>
<td></td>
</tr>
</tbody>
</table>

Abstracting & indexing, magnetic tape (data base) and similar services

* See definitions below under Personnel.

61. Does the facility have a special foreign-currency budget?
   - Yes
   - No
   If "yes", answer the following:

61-01. Type of currency:

61-03. Equivalent amount in local currency:

70-74. Sources:

76. Are maintenance and overhead expenses included in the facility's budget?
   - Yes
   - No
   If "yes", state the amount:

PART E Personnel (card 16)

"Professionals" include university and non-university graduates working in the fields of librarianship, documentation or information, such as documenters, information scientists, computer programmers & analysts, and personnel with other scientific or technical training whether or not they have had any formal training in the profession. "Non-professionals" include clerks, reprographers, binders, and similar personnel, to not include maintenance and sanitation employees in any category.

Total staff (excluding temporary) employed in any capacity:

- Number of professionals without a degree in Library or Information Science but with a degree in:
  - Exact, Natural, Technical or Life Sciences
  - Education, Law, Social or Behavioral Sciences
  - Humanities or Linguistics

- Number of professionals with only a degree in Library or Information Science

- Number of professionals with at least a degree in Library or Information Science plus another degree

- Total number of university graduates/professionals

- Number of non-graduate professionals who completed 1 to 3-year schools in Library or Information Science

- Number of non-graduate professionals who completed only short courses in Library or Information Science

- Number of non-graduate professionals who have not completed schools or courses in Library Science

- Total number of non-graduate professionals

- Number of professionals who will retire prior to 1981

- Total number of non-professionals

- Number of temporary employees (students, literature searchers, abstractors, etc.)

- Sum of total hours/year worked by all temporary workers

- Number of professionals who have completed Library or Information Science school/courses in this country

- Number of professionals with at least one degree obtained in this country

- Number of professionals with at least one degree from outside this country

- 51-70. Professionals with any library education obtained outside this country. List up to 5 countries and the number of professionals trained in each

71-80. State all foreign languages in which one or more staff members can perform professional duties:

Allocate personnel among the various services or departments of the facility in accordance with the following chart. Staff members who work in more than one department or service area should be recorded in each category that represents a substantial portion of their time. For this reason, column totals may exceed the analogous figures in card 14.

<table>
<thead>
<tr>
<th>Department or Service</th>
<th>Unv. graduate professionals</th>
<th>Non-graduate professionals</th>
<th>Non-professionals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acquisition</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cataloging</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Circulation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reference and Information</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

76-80. Number of reference and information workers with university degrees in the field in which they provide reference services:
**ART F Technical Services**

(Choose all applicable answers)

**Automation**
- Are any housekeeping functions automated?  
  - If "yes", state which:  
  - If both answers are "no", does the facility have plans for automation within the next 3 years?  
- Are any retrieval processes automated?  
  - If "yes", state which:  
  - If both answers are "no", does the facility have plans for automation within the next 3 years?  

**Cataloging**
- An inventory list is maintained for the following items:  
  - Entire Collection  
  - Other materials, specify:  
  - Is all or part of the collection catalogued?  
  - If "yes", indicate how:  
    - Dictionary  
    - Shelf List  
    - Subject, specify system:  
      - Dictionary  
      - Shelf List  
      - Subject, specify system:  
- Are analytical catalogs maintained for any part of the material (e.g., Journal articles, parts of books)?  
- Are catalog cards received from outside sources (e.g., LC, BNS)?  
- The following cataloging rules are used:  
  - Anglo-American Rules  
  - Other, specify:  
  - Does the facility participate in a Union Catalog?  
  - If "yes", state which:  
  - Your entire country  
  - Others, specify:  

**Classification and Retrieval (Input) Systems**
- Is any part of the collection classified?  
  - If "yes", specify the types of materials and the classification system used for each in the diagram under card 17.  
  
**User Services**
- The following items are loaned (check all applicable items and show number of borrowers and items borrowed during the last fiscal year):  
  - Books  
  - Periodicals  
  - Other materials, describe:  

**Interlibrary loan and photocopy services.** (If these services are not available, insert "0" in the appropriate places in the table.)

<table>
<thead>
<tr>
<th>Type of Material</th>
<th>Number of Borrowers/Year</th>
<th>Items Borrowed/Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Books</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Periodicals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other materials</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Number of Items Borrowed From</th>
<th>Loaned To</th>
<th>Number of Photocopied Items Obtained From</th>
<th>Sent To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local Libraries</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign Libraries</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Reference and Information Services (card 10)

9. Are any reference or information services provided? (a) No
(b) Users are directed to appropriate publications
(c) Users are directed to sources of required information (specialists, organizations, etc.)
(d) Required information is traced and provided in a processed form (checked, evaluated)

If "yes", check all applicable types:

10. Number of requests filled during past fiscal year: ________

16. Are retroactive literature searches performed on request? (a) No

24-26. Are state-of-the-art reviews prepared? (d) No

27. Did SDI (selective dissemination of information) services provided? (a) No

If "yes", answer the following:

34-35. Automated SDI services were provided for ________ users/year.

36-39. Are current awareness services provided? (a) No

If "yes", check all applicable types:
(a) Distribution of lists of new publications received by the facility
(b) Routing of new periodicals received by the facility
(c) Distribution of content pages
(d) Distribution of lists of internal reports from parent organization

40. Number of bibliographies were compiled during the past fiscal year: ________

42-43. Does the facility maintain membership in any regional or international information science organizations (FID, ASLIB, CODATA, UNISIST, etc.)? (a) No

If "yes", specify which:

46-47. Does the facility publish any of the following items? Check all applicable items.

Acquisition Lists of Books
Acquisition Lists of Periodicals
Non-requested (self-initiated) Bibliographies
Library Bulletin
Column in Parent Organization's Bulletin
Other publications

If "yes", state types of publication kept:

If "yes", with Book Reviews?
(a) Yes
(b) No

67-62. Total Number of Users during the past fiscal year:

63-68. Approximate Percentage of Users from:
(a) 63-64. Inside your geographical region* 
(b) 65-66. Inside your country but not your region
(c) 67-68. Outside your country

69-80. Approximate Percentage of Users in each of the following categories:
(a) 69-70. Government Officials and Public Servants
(b) 71-72. Commercial and Business Users
(c) 73-74. Industrial Users
(d) 75-76. Staff & Faculty of Educational Institutions
(e) 77-78. All Students
(f) 79-80. Users not specified above

**This item must be answered. Give an estimate if necessary. Be sure to carefully apply the definition of "geographical region" formulated by the interviewing organization.**

PART II Miscellaneous Activities (card 20)

7-20. Does the facility maintain systematic records or statistics about its own major activities? (a) No

If "yes", state types of statistics kept:

68-80. If "yes", state types of statistics kept:  

Institutional and Geographical Analysis of Users

Total Number of Users during the past fiscal year: ________

Approximate Percentage of Users from:
(a) 63-64. Inside your geographical region* 
(b) 65-66. Inside your country but not your region
(c) 67-68. Outside your country

Approximate Percentage of Users in each of the following categories:
(a) 69-70. Government Officials and Public Servants
(b) 71-72. Commercial and Business Users
(c) 73-74. Industrial Users
(d) 75-76. Staff & Faculty of Educational Institutions
(e) 77-78. All Students
(f) 79-80. Users not specified above

Note: This item must be answered. Give an estimate if necessary.
## PART I Special Equipment (card 211)

7-17. Check all items listed below which your facility has:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Facility Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Electric Typewriters</td>
<td>10-19</td>
</tr>
<tr>
<td>2</td>
<td>Duplicating Equipment</td>
<td>20-21</td>
</tr>
<tr>
<td>3</td>
<td>Photographic Equipment</td>
<td>22-23</td>
</tr>
<tr>
<td>4</td>
<td>Computer, or permanent access to a Computer</td>
<td>24-80</td>
</tr>
<tr>
<td>5</td>
<td>Microform Readers</td>
<td>How many?</td>
</tr>
<tr>
<td>6</td>
<td>Catalog Card Duplicators</td>
<td>How many?</td>
</tr>
<tr>
<td>7</td>
<td>Microform Reader-printers</td>
<td>How many?</td>
</tr>
<tr>
<td>8</td>
<td>Computer Terminals</td>
<td>How many?</td>
</tr>
<tr>
<td>9</td>
<td>Printing Equipment</td>
<td></td>
</tr>
</tbody>
</table>
GUIDELINES FOR INTERVIEWERS

It is possible to conduct an inventory of the information facilities of a country by mail, i.e., to send out questionnaires and to expect to receive them back in due time, properly filled-in.

However, experience has shown that this may be a lengthy procedure with only poor results, since:

* many people object to answer lengthy questionnaires
* it is hardly possible to design a questionnaire, which will elicit automatically accurate and uniform answers
* a busy person who has to fill-in the questionnaire may postpone again and again this time-consuming task, so that "follow-up" efforts may become excessive
* control of the timetable for the completion of the inventory may become unrealistic as it will depend entirely on the good will of the respondent
* the inventory taking authority will have to be content with a low percentage of answers received

A good interviewer, on the other hand, can overcome resistance, elicit relatively complete and uniform answers and control the time factor of the work progress. What a good interviewer should do and should not do is graphically summarized by A. Daniels and D. Yeates(*) in their "interviewer's checklist".

<table>
<thead>
<tr>
<th>do</th>
<th>don't</th>
</tr>
</thead>
<tbody>
<tr>
<td>plan</td>
<td>be late</td>
</tr>
<tr>
<td>make appointments</td>
<td>be too formal or too casual</td>
</tr>
<tr>
<td>ask questions at the right level</td>
<td>interrupt</td>
</tr>
<tr>
<td>listen</td>
<td>use technical jargon</td>
</tr>
<tr>
<td>use local terminology</td>
<td>confuse opinions with facts</td>
</tr>
<tr>
<td>accept ideas and hints</td>
<td>jump to conclusions</td>
</tr>
<tr>
<td>collect documents and forms</td>
<td>argue</td>
</tr>
<tr>
<td>check the facts</td>
<td>criticize</td>
</tr>
<tr>
<td>part pleasantly</td>
<td>suggest</td>
</tr>
</tbody>
</table>

It could be added, always be patient and good humored, never show superiority in knowledge, and know the questionnaire intimately before starting an inter-

view.

The questionnaire is actually self-explanatory, but some remarks may be added to clarify part of the questions for greater uniformity of answers.

The questions referred to are identified by card and column numbers.

PART A - ADMINISTRATION AND PROFILE OF OPERATIONS

04-7-30 This "services provided" question partly duplicates questions in Part G; in Part A the response should provide general data only, such as is suitable for inclusion in a directory-type of publication for information to the general public, whereas the responses in Part G tend to themselves to numerical analysis and go into great detail about types of reference and information services practiced.

05-10-80 "Main subjects" should not be regarded as an attempted classification scheme, but only as a checklist of possible subjects collectively covered by the facilities of the country. The list of "main subjects" has to be carefully studied before starting the inventory and adapted to local conditions. E.g., in a particular country there may not occur any "tropical diseases" at all, but there may be widespread rickets. If so, "rickets" may be substituted in the questionnaire for "tropical diseases".

Under "specialized subjects" only really representative collections should be listed, which are not adequately described by the suggested subject divisions. E.g., a collection on "soil amelioration" would get lost under the general heading of "agriculture" and therefore would warrant an entry as "specialized subject".

PART B - THE COLLECTION

07-11-80 The questionnaire is designed to identify Abstracting and Indexing Services by ISSN (International Serials Standard Number). If this code is not conveniently available to the inventory taking organization, a shorter (3-digit) number may be arbitrarily assigned, exactly as it is done for Magnetic Tape Services on card 08.

PART C - PREMISES

12-8-27 The interviewer may have difficulties in eliciting exact answers to questions about space division, as in smaller facilities
the premises may consist of one room only, which has to serve all purposes: working space for staff, users' area and stocks. It is suggested that the interviewer evaluate, with the help of the interviewee, what part of the total space accommodates the staff, what part is taken up by the stocks and what by the seating arrangements for the users.

PART D - BUDGET

12-28-80 Obtaining complete and accurate budget information is one of the most difficult tasks the interviewer faces. The reticence of interviewees on this topic is well-entrenched if not well-founded. The skillful interviewer will communicate the truth that this data is essential for accurate analysis of the country's information and documentation resources, that the data is confidential and will not be published, and that lack of information in this area will severely diminish the value of all other data collected, and hamper effective planning for the development of information facilities of the country.

Should the interviewer be unable to obtain exact data to these questions, it is suggested that together with the interviewee he should try at least to evaluate the approximate amounts.

PART E - PERSONNEL

14-23-31 Library technicians, assistant librarians, information technicians or whatever the local terminology may be, are termed here "non-graduate professionals". They are staff members who graduated from vocational non-university library, documentation or information science schools and/or shorter or longer courses in the above subjects.

PART F - TECHNICAL SERVICES

16-V Enter "private methods" for schemes or methods elaborated by the facility itself.

17-2-80 To the question "classification systems" - "private method" is a possible answer under circumstances as above.

PART G - USER SERVICES

19-63-66 The concept of "geographical region" of a country will differ from country to country and has to be defined before embarking on the inventory taking. It can be an administrative concept or a concept defined by usage. If there is an appreciable number of regions in
the country the interviewer should prepare a list of them in advance for easing reference during the interview, to eliminate ambiguities.

19-65-66 Percentage of users in your country except those in your own region.

PART 'H' - MISCELLANEOUS ACTIVITIES

20-7-20 Under "special relationship" can come grants, exchange of information, exchange of services, cooperation in defining policy, cooperation in specific projects, and others.

20-31-40 Meant is membership of the facility, not of individual staff members.

PART 'I' - SPECIAL EQUIPMENT

21-7-80 The answer is "yes" if the equipment is available at the facility itself or at the parent organization, within easy reach of the facility (if the parent organization is at the same premises with the facility and the use of the equipment is by right and not by suffering).
CODING INSTRUCTIONS

Card 01

Col 1-4 Arbitrary 4-digit number to identify all data relating to any one library. Numbers from 0001 to 9999 can be assigned by the interviewing organization (hereinafter referred to as "I.O.") as each completed questionnaire is received. As an alternative, blocks of numbers can be assigned to individual interviewers. THIS NUMBER APPEARS IN COL 1-4 ON EVERY CARD.

Col 5-6 Card number identifying each card. EVERY CARD IS PRECODED WITH ITS PROPER NUMBER.

Col 7-78 Name of parent organization; abbreviated if necessary to not more than 72 characters including blanks.

Col 79 Coded with one digit from "1" to "6".

Col 80 Coded with one letter from "A" to "N". Any explanation following item "N" is not coded. However, the I.O. may use the explanation to determine that the answer should properly be coded in any other specific category.

Card 02

Col 7-71 Name of facility, abbreviated if necessary to not more than 65 characters including blanks.

Col 72-77 Coded with up to six digits from "1" to "6". Any explanation following answer "6" is not coded but may be used to determine that the answer should properly be coded in one or more other categories. Sequence of numbers is not significant.

Col 78-80 Coded with the last three digits of the 4-digit "year established".

Card 03

Col 7-23 Coded with street number & name and/or post office box number, abbreviated if necessary to not more than 17 characters including blanks.

Col 24-35 City (or town) and State, abbreviated if necessary to not more than 12 characters.

Col 36-40 Zip code or similar geographical designation.

Col 41-50 10-digit phone number, including area code or prefix.

Col 51-56 Telex number available for use by facility.

Col 57-77 Name and title of person in charge, abbreviated if necessary to not more than 21 characters including blanks.

Col 78 Coded "C" if facility is a central library with subsidiaries, "B" if facility is a (subsidiary) branch library itself, and left blank if it is neither. Independent libraries without branches (subsidiaries) are coded blank.

Col 79-80 If col 78 is blank, col 79-80 will also be blank. If col 78 is coded "C" or "B", then col 79-80 will be coded with the number of branches in the system, from "01" to "99".
APPENDIX B

Card 04
Col 7-30 Coded with up to 24 letters of the alphabet in any sequence, using one letter from each "box" checked in the "Services Provided" chart.

Col 31-78 Free-text description of facility's hours of operation using customary or standardized abbreviations for days of week and times of day. For example: "Mon-Fri 9 am - 2 pm, Mon & Wed 5 pm - 9 pm". Answer must utilize not more than 48 characters including blanks.

Col 79-80 Coded with digits indicating number of hours facility is open per week.

Card 05
Col 7 Card 05 may occur up to 9 times, depending on the quantity of data to be encoded. The first card 05 is coded "1" in col 7, the second is coded "2" in col 7, etc.

Col 8 Col 8 contains the total number of card 05's utilized. It must be coded with one digit from "1" to "9". Cols 7 & 8 enable the computer to determine how many card 05's were used, whether they are in sequence (they must be), and whether any are missing.

Col 9-80 These columns are used in groups of three to record subject codes, putting not more than 24 such codes on each card. In theory, a facility could record up to 80 different subject codes, requiring three and a fraction cards for this purpose. Most facilities will require one or two card 05's. The 3-digit codes MUST be recorded in ascending order.

The answer to the question "Does the facility have extensive holdings..." will also be coded on card 05, using the columns immediately following the last recorded subject field from "Main Subjects". If the answer is "No", then the next three columns will be coded "***". If the answer is "yes", then the specified subject areas will be coded in free text with the special symbol "#" (the delimiter symbol) coded once before each subject area and twice ("##") after the last subject area. For example, the special library of a large insurance company may be coded as follows (beginning with column 9):

"070172180190250#actuarial science#insurance#underwriting##".

Card 06
Col 7-12, 22-27, 37-42 and 52-57. These columns contain the percentage of each language contained in the collection. Leading zeros may be blank, so that 8%, for example, may be coded "08" or "8". ("#" is the symbol for blank.) The percentages stated must total 100%.

If the "local language" is identical to one of the seven specified languages, then cols 7-8 should be left blank.

Col 13-21, 28-36 and 43-51. These columns may be used to specify up to three additional specific languages not pre-printed on the questionnaire, abbreviated if necessary to not more than 9 characters each.

Col 58-60 Coded with digits to indicate the number of book volumes, periodical titles, microform items, manuscripts, and abstracting & indexing services in the facility's collection. ITEMS LEFT BLANK WILL BE TREATED AS ZERO.
Card 07
Col 7-8. Card 07 may occur up to 99 times, depending on the quantity of data to be encoded. The first card 07 is coded "01" in cols 7 & 8. The second card is coded "02" in cols 7 & 8, etc. Leading zero may be blank.

Col 9-10. Coded with the 2-digit total number of card 07's utilized. Leading zero may be blank. See instructions for cols 7 & 8 of card 06.

Col 11-80 These cols are used in groups of ten to record the ISSN of abstracting and indexing services, putting not more than 7 such codes on a card. Therefore, not more than 93 services can be recorded for any facility. SEQUENCE OF ISSN NUMBERS IS NOT RELEVANT. The I/O will need a roster of these services with the ISSN number assigned to each.

Card 08
Col 7-8. Coded with 2 digits equal to the number of magnetic tape services received by the facility. Leading zero may be blank. IF BOTH COLUMNS ARE BLANK, ANSWER WILL BE TREATED AS ZERO.

Col 9-38. These cols are used in groups of three to record which services are received, putting not more than 10 such codes in these columns. Codes may be recorded in any order. SEQUENCE IS NOT RELEVANT. It is suggested that the I/O assign 3-digit or 3-character codes by subject area, or producing country, or cost of the service, or some other relevant criteria.

Col 39-54. Up to 16 alphabetic characters may be coded to record all answers checked to the question about "Systematic Collections". The sequence of the answers is not relevant.

Col 55-80. Free-text answer describing "other material". The text should be abbreviated, if necessary, to not more than 20 characters including blanks.

Card 09
Col 7-10. See instructions for card 07.

Col 11-80. Trade catalogs, patent specifications, engineering drawings, specifications, dissertations, maps and reports must be recorded IN EXACTLY THAT SEQUENCE. All trade catalogs (if any) must precede all patents (if any), which must precede all engineering drawings, etc.

All entries are coded in the same general format: the delimiter ("="), followed by a one-character code for the type of item ("C" for trade catalogs, "P" for patents, "E" for engineering drawings, "S" for specifications, "T" for theses, "M" for maps, and "R" for reports), followed by a 2-character code for country or university (2 blanks for engineering drawings), followed by a free-text description of ONE subject (or organization, in the case of reports), etc. The last entry is followed by two delimiters ("=="). The maximum length for the free-text portion between any two delimiters is 100 characters including blanks.

Here is an example (beginning with column 5) from the same special library at a large insurance company (US = United States, UF = University of Florida):
APPENDIX B

Col 7, 8, 9. Coded "Y" or "N".

Col 10-80 Coded with digits indicating "amount of new material" or "amount weeded out". Leading zeros may be blank. ANY ITEM LEFT BLANK WILL BE TREATED AS ZERO. Preferably, items answered "zero" will be coded "0".

Col 7-80 Same as col 10-80 in card 10 above.

Card 12
Col 7 Coded "M" for meters, "F" for feet, or "Y" for yards.
Col 8-30 Coded with digits. Leading zeros may be blank. ANY ITEM LEFT BLANK WILL BE TREATED AS ZERO. Items answered "zero" should be coded "0".
Col 31, 32 Coded "Y" or "N".
Col 33-37 Coded with up to five letters. Sequence of letters is not relevant. Any explanation after answer "0" is not coded but may be used to determine that one or more other answers should be coded.
Col 38-43 Used for the 6-digit date indicating the end of the 12-month period from which answers were obtained for all budget questions. The date is coded day-month-year. Example: June 30, 1974 would be coded "300674".
Col 44-51 If the facility does not have a pre-planned budget, these columns are coded "NNNNNNN". If the facility does have a budget, these 8 columns are used to record up to four 2-digit percentages indicating the sources of the total budget. ANY 2-DIGIT ITEM LEFT BLANK WILL BE TREATED AS ZERO %. The recorded percentages should total 100%. If any one source provides 100% of the budget, then code that source "**". Leading zeros may be blank.
Col 52-66 Record "other sources" (if any), abbreviated if necessary to not more than 15 characters including blanks.
Col 67-74 Coded with up to 8 letters from "A" to "H". SEQUENCE NOT RELEVANT.
Col 75-80 If answer is "no", then code these columns "NBBBBB". If answer is "yes", insert the value of acquisitions obtained in exchange for publications in these six columns. Leading zeros may be blank. All amounts and values are stated in local currency using rounded figures.

- 35 -
Col 7-22, 25-29, 32-36, 39-43 and 46-60 are coded with figures to indicate the amount of expenses during the relevant fiscal year for the items stated. ANY ITEM LEFT BLANK WILL BE TREATED AS ZERO. Leading zeros may be blanks.

Col 23-24, 30-31, 37-38 and 44-45 are used for 2-digit percentages to show what percent of the stated expenditure must be spent in foreign currency. If any item must be disbursed 100% in foreign currency, then the relevant 2-digit percentage should be coded "**".

Col 61-63 If the facility does not have a special foreign-currency budget, this item is coded "N/A". If the answer is "yes", then a 3-character code is used to indicate the currency involved. For example, US dollars may be coded "$US" and German marks may be coded "D.M.".

Col 64-69 If columns 61-63 are coded "N/A", then columns 64-69 will be blank. Otherwise, record the amount of foreign currency budget using FIGURES FOR THE EQUIVALENT AMOUNT IN LOCAL CURRENCY. All amounts are stated in local currency.

Col 70-75 Coded with up to 5 one-character codes. SEQUENCE IS NOT RELEVANT. The I.O. will determine which sources require pre-determined codes and will allocate the codes.

Col 76-80 Coded "N/A" if the answer is "no" and coded with digits if the answer is "yes". Leading zeros may be blanks.

Col 7-50 Coded with digits indicating the appropriate answers. Leading zeros may be blanks. Any item left blank will be treated as ZERO. Be sure that the five items recorded in columns 10-19 total the one item recorded in columns 20-22. Likewise, the three items recorded in columns 23-28 should equal the one item recorded in columns 29-31, and the three items recorded in columns 32-36 should equal the one item recorded in columns 7-9. IF THESE EQUIVALENCES DO NOT OBTAIN, THE PROGRAM WILL REJECT THE ITEM REPRESENTING THE SUM AND SUBSTITUTE THE VALUE OBTAINED BY ADDING THE APPROPRIATE ELEMENTS WHICH PRODUCE THAT SUM.

Col 51-70 Up to five 4-character entries can be coded in these 20 columns. Each entry indicates the country (2-character code) in which one or more professionals obtained their library education and the number of such professionals (2-digits). The country codes should be identical to those used for data entered on card 09. A leading zero in the two digit numbers may be blank.

Col 71-80 Up to ten 1-character codes (letters and/or numbers) can be entered in these columns to represent the foreign language capabilities of the staff.

Col 7-78 Coded with 2-digit numbers indicating the division of the facility's staff into 36 categories. For most facilities, some of these categories will not have any staff. Unstaffed categories should be coded "00". However, blank items will be treated as ZERO.

Col 79-80 Coded with a 2-digit number. Leading zero may be blank. If item is entirely blank, it will be treated as ZERO.
Card 16
Col 7,8 See columns 7 & 8 on card 05. Up to 9 card 16's may be used.

Col 9-80 First, up to 28 alphabetic codes ("A" to "Z", "&" and ") will be encoded, based on the answers to questions in the areas of "Acquisitions, Automation, Cataloging, and Classification & Retrieval Systems". Then, all free-text items for the same questions will be coded, prefixing each item with a delimiter ("#") AND the single character which identifies that answer. (The delimiter and identifying character have been preprinted on the questionnaire.) The last item encoded should be followed by a double-delimiter ("##"). If there are NO free-text responses to be encoded, then the last of the alphabetic codes should be followed by the double-delimiter.

Here is a hypothetical example (beginning in column 5):

"1611ABJMNPSZI4DPAYROLLI4ECURRENT AWARENESS SDIFI4AERIAL PHOTOSI4PCOSATI4I".

If necessary, free-text answers are continued onto additional card 16's.

Card 17

If the last question on card 16, "Is any part of the collection classified?", is answered "no", then card 16 will contain the code "*" and card 17 will NOT be required.

Col 7,8 See columns 7 & 8 on card 05. Up to 9 card 17's may be used:

Col 9-20, 33-44 and 57-68 are used to record "Type of Material", abbreviated if necessary to not more than 12 characters including blanks.

Col 21-32, 45-56 and 69-80 are used to record "Classification System", also abbreviated if necessary to not more than 12 characters including blanks. Up to three types of material and the classification system used for each can be recorded on each card 17.

Card 18

Col 7-9 Coded with up to 3 letters from "A" to "C".

Col 10-18 Free-text answer describing "other materials", limited to 9 characters including blanks.

Col 19-80 Numeric answers. Any blank item will be treated as ZERO. Leading zeros may be blanks. Answers properly stated as "zero" should be recorded as "00000" or "00000".
Card 19
Col 7-9 Coded "N" or coded with up to 3 letters from "A" to "C".
Col 10-15 Numeric answer. If item is blank it will be treated as ZERO.
Leading zeros may be blanks.
Col 16, 27 and 40. Coded "N" for "no" or "Y" for "yes".
Col 17-20 Coded with the number of items prepared during the last fiscal year.
Leading zeros may be blanks. If item is blank it will be treated as ZERO.
Col 21-23 and 24-26. Coded "N" for "no" or coded with the number of items
prepared during the last fiscal year. Leading zeros may be blanks.
If item is blank it will be treated as ZERO.
Col 28-31 and 32-35 are coded with numbers indicating the number of users per
year for manual and automated SDI services, respectively. A blank
item will be treated as ZERO. Leading zeros may be blanks.
Col 36-39 Coded as "N" or with up to 4 letters from "A" to "D".
Col 41-56 Free-text answer, limited to 16 characters including blanks.
Col 57-62 Number of users during last fiscal year. Item must not be blank.
Col 63-80 Two-digit percentage figures. Any blank item will be treated as
0%. If any one item is 100%, record it as "**".
Card 20
Col 7-20 Coded "N" or with free-text answer limited to 14
characters including blanks.
Col 21-30 and 31-40. Same as columns 7-20 above, but answers are limited
to 10 characters each including blanks.
Col 41-46 Coded with up to 6 letters from the group "A - Q". Sequence of
letters is not relevant.
Col 47-66 Free-text answer limited to 20 characters including blanks.
Col 67 Coded "N" for "no" or "Y" for "yes".
Col 68-80 Free-text answer limited to 13 characters including blanks.
Card 21
Col 7-17 Coded with up to 11 letters from the group "A" to "L".
Col 18-23 Two-digit answers. Blank items will be treated as ZERO. Leading
zero may be blank.
Col 24-80 Free-text answer limited to 57 characters including blanks.
### TABLE I - STATISTICAL SUMMARY OF SURVEY DATA
*(example of first stage output)*

<table>
<thead>
<tr>
<th>Ownership</th>
<th>Number of facilities</th>
<th>Expenditure (in local currency)</th>
<th>Library holdings</th>
<th>Manpower</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Books</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Stock</td>
<td>Added last year</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Government</td>
<td>20</td>
<td>4,300,000</td>
<td>150,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Local Government</td>
<td>4</td>
<td>1,000,000</td>
<td>32,000</td>
<td>2,500</td>
</tr>
<tr>
<td>Institutes of Higher Learning</td>
<td>10</td>
<td>16,000,000</td>
<td>1,800,000</td>
<td>42,000</td>
</tr>
<tr>
<td>Independent Research Institutes</td>
<td>5</td>
<td>3,000,000</td>
<td>200,000</td>
<td>8,000</td>
</tr>
<tr>
<td>Museums</td>
<td>2</td>
<td>300,000</td>
<td>175,000</td>
<td>400</td>
</tr>
<tr>
<td>Banks</td>
<td>1</td>
<td>50,000</td>
<td>10,000</td>
<td>300</td>
</tr>
<tr>
<td>Industry</td>
<td>3</td>
<td>100,000</td>
<td>18,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Commerce</td>
<td>3</td>
<td>150,000</td>
<td>15,000</td>
<td>1,200</td>
</tr>
<tr>
<td>Professional Societies and Associations</td>
<td>2</td>
<td>100,000</td>
<td>100,000</td>
<td>2,600</td>
</tr>
<tr>
<td>Total</td>
<td>50</td>
<td>25,000,000</td>
<td>2,500,000</td>
<td>70,900</td>
</tr>
</tbody>
</table>

### TABLE II - STATISTICAL SUMMARY OF EXPENDITURE FOR THE YEAR 19_
*(example of first stage output)*

<table>
<thead>
<tr>
<th>Type of expenditure</th>
<th>Local currency</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total expenditure</td>
<td>25,000,000</td>
<td>100%</td>
</tr>
<tr>
<td>Acquisitions</td>
<td>12,500,000</td>
<td>50%</td>
</tr>
<tr>
<td>Books</td>
<td>8,000,000</td>
<td>64%</td>
</tr>
<tr>
<td>Periodicals</td>
<td>3,500,000</td>
<td>28%</td>
</tr>
<tr>
<td>Other types of material</td>
<td>500,000</td>
<td>4%</td>
</tr>
<tr>
<td>Outside services</td>
<td>500,000</td>
<td>4%</td>
</tr>
<tr>
<td>Manpower</td>
<td>8,000,000</td>
<td>32%</td>
</tr>
<tr>
<td>Professionals on all levels</td>
<td>6,000,000</td>
<td>75%</td>
</tr>
<tr>
<td>Supporting staff</td>
<td>2,000,000</td>
<td>25%</td>
</tr>
<tr>
<td>Maintenance of premises and equipment</td>
<td>4,500,000</td>
<td>16%</td>
</tr>
</tbody>
</table>

* of total expenditure
= of total expenditure for acquisitions
\% of total manpower
TABLE III - STATISTICAL SUMMARY OF MANPOWER  
(example of first stage output)

<table>
<thead>
<tr>
<th>Type of staff</th>
<th>Total numbers</th>
<th>% of total</th>
</tr>
</thead>
<tbody>
<tr>
<td>All staff employed</td>
<td>400</td>
<td>100</td>
</tr>
<tr>
<td>University-trained in all disciplines</td>
<td>100</td>
<td>25</td>
</tr>
<tr>
<td>University-trained in librarianship or information science</td>
<td>40</td>
<td>10</td>
</tr>
<tr>
<td>Non-university trained in librarianship or information science</td>
<td>150</td>
<td>37.5</td>
</tr>
<tr>
<td>Supporting staff (clerks, reprographers, binders, etc.)</td>
<td>150</td>
<td>37.5</td>
</tr>
<tr>
<td>All (except supporting) staff to be retired by 1980</td>
<td>100</td>
<td>40</td>
</tr>
</tbody>
</table>

TABLE IV - STATISTICAL SUMMARY OF UNIVERSITY-TRAINED MANPOWER  
BY DISCIPLINE AND NUMBER OF FACILITIES TO BE SERVED  
(example of second stage output)

<table>
<thead>
<tr>
<th>Type of training</th>
<th>Number of staff</th>
<th>% of total</th>
<th>Number of facilities to be served</th>
</tr>
</thead>
<tbody>
<tr>
<td>All disciplines</td>
<td>100</td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>Humanities</td>
<td>43</td>
<td>43</td>
<td>10</td>
</tr>
<tr>
<td>Social sciences</td>
<td>30</td>
<td>30</td>
<td>15</td>
</tr>
<tr>
<td>Exact sciences and engineering</td>
<td>2</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>Medicine and life sciences</td>
<td>6</td>
<td>6</td>
<td>12</td>
</tr>
<tr>
<td>Earth sciences</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Agriculture</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Librarianship or information science only</td>
<td>15</td>
<td>15</td>
<td>50</td>
</tr>
</tbody>
</table>
SUGGESTED FORMAT OF ENTRIES IN A DIRECTORY OF SPECIAL LIBRARIES AND INFORMATION CENTERS

1. **MINISTRY OF POSTS. ENGINEERING SERVICES CENTRAL TECHNICAL LIBRARY.**
   Pirello 62157, POB 81, 85 Summer St., Phone 057-8621, Telex 057-341.
   Head of Library: Mr. John Doe. Founded 1963.
   Hours: Monday to Friday 08.00-16.00, Saturday 08.00-13.00
   *Serves: employees of the Ministry; general public - use of reading room
   *Subjects: electrical engineering; electronics; management
   *Holdings: 4,000 books; 350 current periodicals; standards for telecommunication equipment; collection of UPO and ITU reports; collection of trade catalogs of telecommunication equipment.

2. **PAINT AND VARNISH COMPANY. PIGMENT DIVISION LIBRARY.**
   Tantalla 61087, POB 159, 34 Spring St., Phone 031-7634.
   Hours: Monday to Friday 08.30-14.30, Saturday 08.30-14.00
   *Serves: employees and customers of the company
   *Subjects: chemistry; chemical engineering
   *Holdings: 2,500 books, 80 current periodicals; English, German and French patents; 180 reels of microfilms; company reports.

---

**Legend.**

1. Running number of entry.
2. Parent organization
3. Name of facility
4. Town
5. Zip code

The entries are arranged in straight alphabetical order or by geographical areas of the country; in the individual area, in alphabetical order of entry.
<table>
<thead>
<tr>
<th>Category</th>
<th>Code</th>
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<td>BIOGEOGRAPHY, Climatology and Cartography</td>
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<tr>
<td>International Abstracts of</td>
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<td>BIOLOGICAL AND AGRICULTURAL INDEX</td>
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<td>BUILDING SCIENCE, Abstracts</td>
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<td>CANCER</td>
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<tr>
<td>Excerpta Medica, Cardiovascular Diseases and</td>
<td>0091</td>
<td>CARDIOVASCULAR DISEASES and Cardiovascular Surgery</td>
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<td>CARDIOVASCULAR SURGERY</td>
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<td>Climatology and Cartography</td>
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<td>CARTOGRAPHY</td>
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<td>Geographical Abstracts Sec. B, Biogeography,</td>
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<td>CHEMICAL ABSTRACTS</td>
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### QUESTIONNAIRE/INPUT SHEET

**for World Inventory of Abstracting and Indexing Services**

**APPENDIX F**

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<tr>
<th>Field</th>
<th>Description</th>
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<tr>
<td>0000</td>
<td>Complete title (in original language - Roman alphabet)</td>
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<tr>
<td>0015</td>
<td>Abbreviated title</td>
</tr>
<tr>
<td>0025</td>
<td>Subtitle (in original language - Roman alphabet)</td>
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<td>ASTM</td>
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<td>0350</td>
<td>SSN</td>
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<tr>
<td>0400</td>
<td>English translation of complete title (010) (unless meaning is apparent or service well known under original title)</td>
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<td>0500</td>
<td>Journal section (full title, in original language - Roman alphabet)</td>
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<tr>
<td>0550</td>
<td>Journal section (abbreviated title)</td>
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<tr>
<td>0990</td>
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### 100 PUBLISHER ELEMENTS

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**Bio Sciences Information Service**

**Editor's name:** W. King

**Full mailing address of the publisher:** 2100 Arch Street, P.O. Box 456, Philadelphia, Pennsylvania 19103, USA

**Country code:** PAU

---

### APPENDIX F

- **150** Source for orders if other than publisher (if source is issuing organization (110) make reference here)
  - Superintendent of Documents, US Government Printing Office

- **155** Abbreviation (if commonly used)
  - GPO

- **160** Full mailing address
  - Public Documents Department, Washington, D.C. 20402, USA

- **165** Country code
  - WAU

- **190** PUBLISHER NOTES

#### 200 HISTORY ELEMENTS

<table>
<thead>
<tr>
<th>201 Beginning year</th>
<th>202 Ending year</th>
<th>205 Interruption(s) - beginning year plus month</th>
<th>206 Interruption(s) - ending year plus month</th>
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<tr>
<td>1926</td>
<td></td>
<td>March 1940</td>
<td>August 1948</td>
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- **209** Publication notes

- **210** Predecessor title(s)

- **215** Separate language title(s)

#### 250 HISTORY NOTES

- interrupted because of inadequate operation facilities

#### 300 FREQUENCY ELEMENTS

- **310** Frequency statement
  - Semimonthly
- **340** FREQUENCY NOTES
  - 1 volume 22 issues

#### 350 PRICE ELEMENTS

<table>
<thead>
<tr>
<th>370 Price in country of publication (in domestic currency)</th>
<th>375 Price outside country of publication (in domestic currency)</th>
<th>380 Price in US dollars</th>
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<tr>
<td>1963 $225.00</td>
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<td>1970 $1,000.00</td>
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- **390** PRICE NOTES
  - Bio Research Index included in subscription

#### 470 Continuation

- **1963** $180.00 non-profit and educational institutions
- **1964** $640.00 non-profit and educational institutions
- **1970** $800.00 non-profit and educational institutions

* = linkage elements, see REFERENCE SHEET
### 400 CONTENTS-ELEMENTS

<table>
<thead>
<tr>
<th>Number of items published in</th>
<th>Average number of words per abstract</th>
<th>Time lag between publication in primary and secondary source</th>
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<tbody>
<tr>
<td>1963 A 150,000</td>
<td>200</td>
<td>3 - 4 months</td>
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<tr>
<td>1964 A 135,000</td>
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<tr>
<td>1973 A 220,000 (Est.)</td>
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<table>
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<th>Total number of journals scanned</th>
<th>Number of journals scanned (domestic)</th>
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<td>3,500</td>
<td>2,000</td>
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<table>
<thead>
<tr>
<th>Number of other publications scanned (if number unknown, indicate only Y = Yes)</th>
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<tbody>
<tr>
<td>Y = Books, monographs Y = Reports Y = Patents Y = Conference Proceedings Y = Dissertations Y = Reviews</td>
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<table>
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<tr>
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<td>623 subject categories</td>
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### 500 INDEX ELEMENTS

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<table>
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**Language: English**

**Language code:** ENG

**Language notes:**

- **Indexes in English and French**

**Secondary language elements:**

- **Indexes in English and French**

**Language code:** FRE
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<th>Media</th>
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<td>Machine-readable tapes</td>
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<td>Microforms (fiche, cards)</td>
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<td>Other (specify)</td>
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### COMPLEMENTARY SERVICE ELEMENTS

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<th>Description of service</th>
<th>Price indication</th>
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<td>Photocopies of most items free upon request</td>
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<td>Translation services</td>
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<td>Loan services</td>
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<td>Retrospective search</td>
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<td>Service</td>
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<td>Selective Dissemination of Information (SDI)</td>
<td>Y</td>
<td>Current Literature Alerting Search Service (CLASS)</td>
<td>1972 $120.00 per profile</td>
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### SUBJECT ELEMENTS

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Completed by: [R Sch.] date 14 Apr. 13
Updated by: date
Keypunched by: date
Checked by: date

- 46 -