Chapter V

COMPUTERIZED SERIALS CONTROL BY LIBRARIES IN THAILAND

In Thailand, there are only two libraries that have the computerized serials control. The first is the Library and Information Center, Asian Institute of Technology (AIT) where two serials functions are operated: list of journals and administrative lists, and accounting control. The second is the Library and Information Center, National Institute of Development Administration (NIDA) where only periodical listings are produced. In addition, there is an interesting cooperative computerized serials control, the Union List of Serials Project conducted by the AIT Library. Other libraries in Thailand are participating in this project.

The Library and Information Center, Asian Institute of Technology

The Asian Institute of Technology (AIT) is a unique regional postgraduate institution located 42 kilometers to the north of Bangkok, Thailand. It was established to provide advanced study and research in engineering and related subjects. Its charters, granted by the Royal Thai Government, accords the AIT the status of an autonomous, international institution and empowers it to award degrees and diplomas: the Diploma of the Asian Institute of Technology, degrees of Master of Engineering, Master of Science, Doctor of Engineering and Doctor of Technical Science. In addition, the

AIT's purpose is to provide research by students, faculty and
research staff directed towards the solution of technological pro-
blems relevant to Asia, and to provide special programs comprising
conferences, seminars, and short courses.[1]

The student body, in September 1974, included 334 students
from 23 Countries; such as Afghanistan, Bangladesh, Republic of
China, Hong Kong, Indonesia, Japan, Korea, Laos, Malaysia, Nepal,
Pakistan, the Philippines, Singpore, Sri Lanka, Thailand and Viet-
nam. Enrollments are planned to increase throughout the present
decade. The Faculty will increase proportionately and will continue
to be international in character.[2]

The AIT is almost wholly dependent upon the financial support
of donor governments, foundations, business organizations and indi-
viduals, Asian and non-Asian; such as the Governments of Australia,
Canada, Japan, New Zealand, Republic of China, Thailand, the United
Kingdom and the United States, and the Lee Foundation of Singapore.[3]

The AIT devotes considerable effort and resources to the
development of an outstanding library collection to serve the needs
of the Institute's expanding teaching and research programs. The
collection will form the basis of a projected regional library and

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[1]Asian Institute of Technology, Catalog for 1975. Bangkok,
1975.

[2]Loc. cit.

[3]Ibid., p. 4.

information center for engineering and related subjects which is planned to be established at the Institute; At present, the library contains 60,000 volumes of books, technical reports, thesis, documents, proceedings, and bound journals and subscribes to more than 1,500 journal titles.[4] As a long-range development goal, the library plans to expand its collection to 300,000 volumes of books and 6,000 journal titles in the 1980s.[5]

The library has been planning for computer applications since 1968 in order to expand its resources and services to meet the needs within the shortest span of time and with the least financial encumbrances. The initial experimentation in the house-keeping operations such as journal listing and control and acquisitions and accounting was automated by an IBM 1130 computer.[6]

Library mechanization at AIT started with the study of several libraries which had successful computer applications. System design for the journal listing and control as well as the acquisitions and accounting was started in 1968. Subsequently the computer programs were written and tested. Newly designed forms and detailed procedural manuals were prepared. The conversion of journal information from the existing kardex file to punched cards was completed for

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[4] Ibid., p. 17.

[5] Lee, op. cit., p. 258.

[6] Loc. cit.

computer manipulation in May 1969 and the first printout of the
complete list of journal holdings in the AIT library was issued in
June 1969 together with several other by-products. Since September
1970, this system has been expanded to include the estimated 3,000
serial publications in the library.[7]

Various journal lists

Information of all the journals current and non-current, is
collected in the Periodical Input Data Card (Figure 2) which falls
into four categories:

1. Title information, including title, location, cross
   reference, if any, publisher, and address.

2. Holding information, including the exact holdings, their
   forms if not on paper (e.g. cards, microtexts, etc.),
   and binding decision if retained.

3. Subscription information includes the order number, cost,
   the year the subscription was first placed, source of
   subscription, frequency, publication pattern, area of
   interest, language, and country of publication.

4. Historical information, including the following types of
   instance such as: Formerly..., Translation of ..., Title
   changed to ..., Merged with ... to form ..., and Ceased
   publication with ...

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[7]Lee, op. cit., p. 259.

PERIODICAL INPUT DATA CARD

☐ New ☐ Update

Periodical No. _____

1.1 Title _____   Location _____

1.2 See reference _____

Publisher and address _____

2.1 Holding _____   Binding _____

2.2 _____   ☐ Current ☐ Issue ☐ Volume only

3.1 Subscription information

Order No. S _____ Cost _____ Year subscription first placed _____

Source: ☐ 1. Subscription (Faxon)   ☐ 3. Gift (Direct)   ☐ 5. Gift (Other)
        ☐ 2. Subscription (Direct)   ☐ 4. Gift (Embassy)   ☐ 6. Membership

Publication pattern:

Frequency: No. of issues _____ per year   No. of volumes per year _____

                                            Month first _____ to _____ Month last

Areas: ☐ CO ☐ EN ☐ HY ☐ SO ☐ ST ☐ TR ☐ MC ☐ LI ☐ GE ☐ GN

Language: _____ , _____ Country _____

4.1 Historical information: ☐ Formerly.... ☐ Translation of.... ☐ Title changed to....

☐ Merged with...to form....   ☐ Ceased publication with (Volume ____ No. ____ Date ____)

Figure 2: Periodical Input Data Card
Asian Institute of Technology

The information contained in the Periodical Input Data Card is punched on cards with fixed fields. The description of the use of columns will be discussed in the system description. The holding information for a current periodical is indicated in open entry form as shown by a hyphen after both the number and the corresponding date of the starting volume. In this way no frequent updating of the holding information is needed. In order to update the data, only the card containing the particular information needed to be added or replaced, others remain unaltered. New cards are punched for newly added journals.

This deck of cards can be read into computer to generate the following outputs as needed:

1. A master journal list by title with holding information, location, sources, and historical information. (Figure 3)

2. Journal renewal lists by source.

3. Other lists as desired, such as list of abstracting and indexing journals in the library, lists of journal holding in the library by academic area, by language, or by country of publication, list of journals with volumes now completed that should be collected for binding.[8]

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[8]Ibid., p. 261.

Acoounting control

In order to keep an actual and up-to-date account of the expenditures on journal subscriptions and renewals paid and the period each of the subscriptions covered, another card is used to record the following information: status (whether it is a new subscription, a renewal, or an additional charge); date payment processed; length of subscription or renewal (one, two or three years); starting month and year; expiring month and year; number of copies; cost; fund; etc. This card is punched each time when a payment is made for a new subscription, a renewal, or an additional charge. At the end of each month, the cards for that month will be batch processed to record the total expenditures of the month and the accumulation from previous months of the fiscal year. This expenditure combined with expenditures for acquisitions and bindings are stored in the computer to print out the monthly report of library expenditures.[9]

System description

The information about each periodical is punched onto data card set. This consists of four types of card. Each type, except card 3, could have more than one card if necessary. Description of the use of columns is as follows:

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[9] Ibid., pp. 261-2.

Card 1.1 Title Card

      Column   1 - 2 Card number

                 3 - 7 Title sequence number

                 8 - 9 Location code

                      AI Abstracts & Index Area

                      AR Archival Collection

                      CG Cataloged in general collection

                      CR Cataloged in reference collection

                      CS Current display shelf then

                             periodical stack

                      FD Free distribution shelf

                      MB M.E. Bender collection

                      MC Microcard & microfiche cabinets

                      MF Microfilm cabinets

                      NR Newspaper rack

                      OF Office

                      PS Goes to the periodical stack

                           upon receipt

                      SR Student Reading Room

               10 Blank

              11-80 Title

Card 2.1 Holding Card

      Column   1 - 2 Card number

                 3 - 7 Title sequence number

                 8 - 9 Binding code

              BD   All complete volumes of the title
are bound.

              RB   The periodical is kept in a ring
binder upon receipt.

              UB   The periodical is not bound.

10   Blank

11-80 Holding information

Card 3.1 Subscription Information Card

    Column 1 - 2 Card number

        3 - 7 Title sequence number

        8 -12 Order number

       13 -18 Cost

       19 -22 Year subscription first placed

       23   Source

            1 Subscription (Faxon)

            2 Subscription (Direct)

            3 Gift (Direct)

            4 Gift (Embassies)

            5 Gift (Others)

            6 Membership

            7 Standing order

            8 Exchange

    24-25 Frequency

       00   Irregular

       01   Annual

02 Semiannual

03 3 issues/year

04 Quarterly

05 5 issues/year

06 Bimonthly

07 7 issues/year

08 8 issues/year

09 9 issues/year

10 10 issues/year

11 11 issues/year

12 Monthly

13 12 issues plus an annual vol./year

24 Semimonthly

26 Bi-weekly

52 Weekly

20 Biennial (1 issue per 2 year)

30 Triennial (1 issue per 3 year)

40 Quadrennial (1 issue per 4 year)

50 Daily

26 Number of volumes per year

27-28 Month of the first issue

29-30 Month of the last issue

31-40 Areas (as many as five areas may be indicated)

EN Environmental Engineering

GE Geotechnical Engineering

IN   Industrial Developing

ST   Structural Engineering

TR   Transportation systems

MC   Mathematics/Computer Science

LA   Language and Media

LI   Library

GE   General (Engineering and Science)

GN   General (Non-technical)

WA   Water Resources Engineering

41-46   Languages (as many as three languages other than English may be indicated)

CH   Chinese

DU   Dutch

FR   French

GE   German

IT   Italian

JA   Japanese

KO   Korean

NO   Norwegian

RU   Russian

SP   Spanish

TH   Thai

AF   Afrikaans

47-58   Country

59-80   Blank

Card 4.1   Historical Information Card

    Column 1 - 2   Card number

          3 - 7   Title sequence number

          8 -10   Blank

          11-80   Historical information

Schematic of processing systems of creating the master file and producing lists of journals is shown in Figure 4, and of updating the master file is shown in Figure 5.
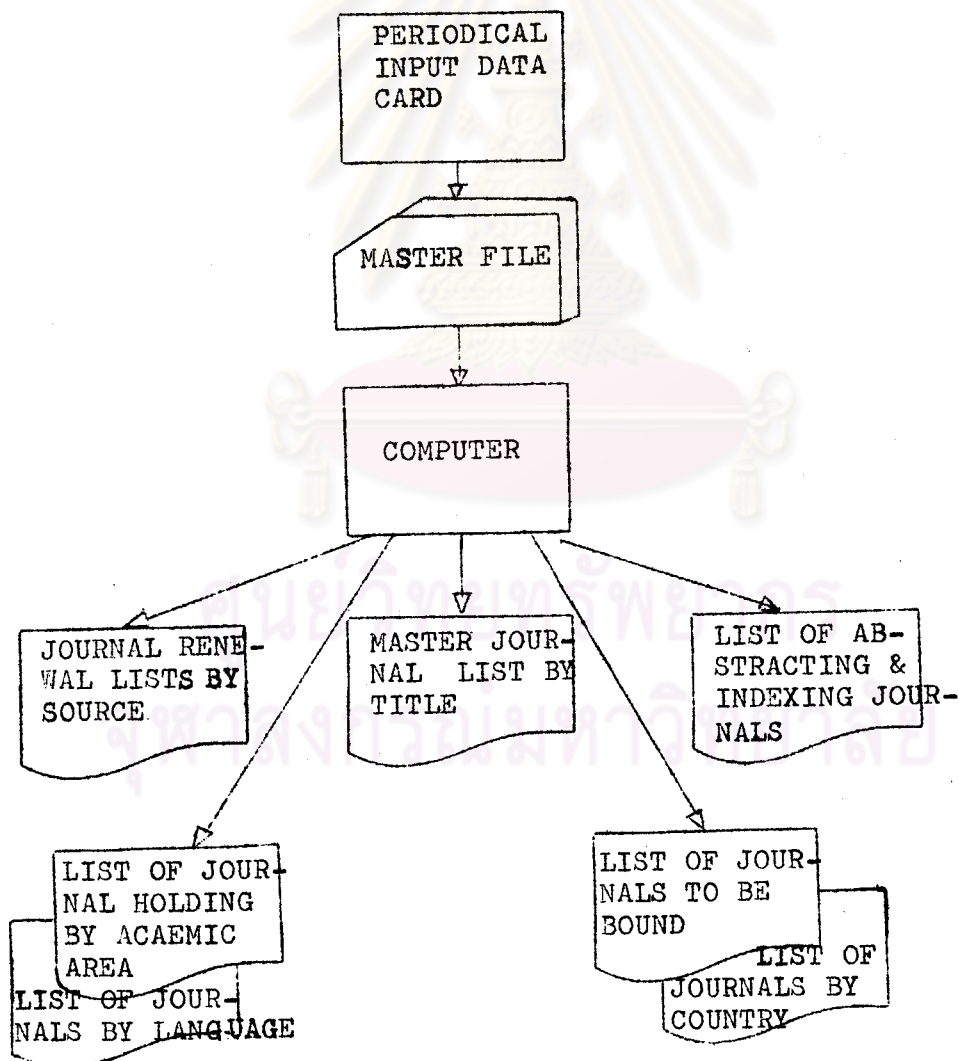

Figure 4: Creating the master file and producing lists of journals.
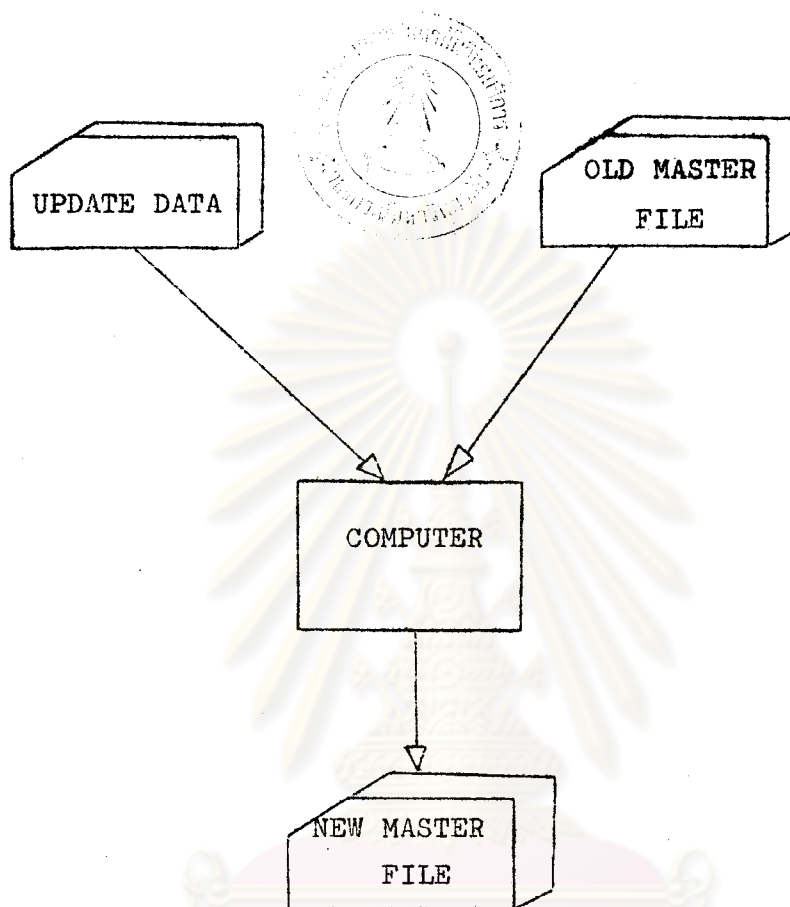
Figure 5: Updating the master file

Asian Institute of Technology

Future plans

The computerized serials system at the AIT library is intended to be very flexible. It may be expanded to include automatic check-in and other difficult operations in the future when an on-line, real-time system becomes available. Until then, the kardex file will be maintained manually to check in new arrivals, to claim for missing issues, and to prepare bindings. An expansion

of this system to include the cataloged serial publications which are not listed in the kardex file is now underway. When this is accomplished, the library will have at its disposal an all inclusive master serials file in machine-readable form capable of performing various services.[10]

The Library and Information Center, National Institute of Development Administration.

The National Institute of Development Administration (NIDA) is a post-graduate institute attached directly to the Office of State Universities. It was established in 1966 to provide teaching, research and training in a coordinated program in public and business administration, development economics and statistics. NIDA is composed of the Office of the Rector, the Schools of the Public Administration, Business Administration, Development Economics, and Applied Statistics, as well as the Research Center, the Training Center, and the Library and Information Center. The Foreign Language Program is under the Office of the Rector.

The Institute has concentrated its main efforts in creating high calibre manpower at Master's Degree level in ever increasing number, in executive training programs, and in rendering academic advice and technical service to various government and private

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[10] Ibid., pp. 261-2.

organizations. As of March 31, 1974, NIDA had a total of 771 master's degree and 269 diploma graduates.[11] Thousands of trainees from various government agencies, state enterprises and private organizations, from the Director-General level down through all staff levels, have been trained at the Institute.[12]

The objectives of the Library and Information Center are as follows:

1. To provide and acquire books, documents, audio-visual materials, mostly in the field of social sciences, in order to be a highly efficient and modern library according to international standards.

2. To provide books and documents for circulation and render reference service to students, NIDA staff and other agencies, both directly at the Center and by phone.

3. To conduct documentary research for the library users through the publication of Index to Thai Newspaper Literature, Index to Thai Periodical Literature and NIDA Bulletin.

4. To cooperate with libraries of other institutions, both local and overseas, by providing inter-library loans, gifts and exchange of documents or publication services.

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[11]National Institute of Development Administration, Eighth Annual Report (Bangkok, 1974), p. 67.

[12]Ibid., p. iii.

5. To give advice and assistance to government agencies and government enterprises in setting up or improving and reoganizing their libraries.

6. To render training services to librarians from government agencies and government enterprises, and occasionally, to library science students from other universities.

7. To do research and development in the field of library science and other related fields.[13]

At present, the Library and Information Center has book collections of 64,438 volumes and 621 titles of Thai and English periodicals including newspapers.[14]

Periodical listing

The Library and Information Center began an experimentation of computerized periodical listing in May 1971 when the Royal Turf Club of Thailand offered NIDA 100 computer hours free of charge for research activities and development of computer use in other institutions not having computers of their own.

In preparation of the experimentation, a librarian of the Library and Information Center was trained in COBOL, COMPASS, FORTRAN and TPS RPG programming. The AIT computerized periodical control was studied.

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[13]Ibid., p. 53.

[14]Ibid., p. 54.

In the beginning, an alphabetical listing of all the English periodicals is compiled, and a code number is assigned to each journal. A four-digit code number assigned at intervals of ten is used for the insertion of new titles.

As at AIT Library, the acquired information on each journal is collected in the periodical input sheet (Figure 6) divided into four parts:

1. Title information, including title, location, cross reference if any, publisher and address.

2. Subscription information, including business office, order number, cost, the year subscription first placed, source, frequency, month of the first issue, month of the last issue, index and supplement if any, area of interest.

3. Historical information, including the following types of instance, such as: Formerly..., Title changed to ..., Merged with ... to form..., Ceased publication with ...

4. Holding information, including the exact holdings, binding decision, color, and whether or not retained for permanent collection.

The information contained in the periodical input sheets is coded in transfer sheet, or worksheet, (Figure 7) for keypunching onto a set of cards, 20 cards per periodical, with fixed fields. All punched cards are sorted by code number. Keypunching and card sorting are manipulated at the NIDA Computer Service Unit, School of Applied Statistics. Then the data is transferred to records on

☐ New   ☐ Update

1. Title _____ Location _____

   See Reference _____

   Publisher _____

   Address _____

2. Subscription Information

   Bus. Off. _____

   _____

   Order No. _____ Cost _____ Year Subscription First Placed_____

   Source: ☐ Subscription ☐ Gift (Direct) ☐ Membership

   ☐ Subscription (Direct) ☐ Gift ☐ Exchange

   Frequency: Nos. of Issue Per Year   Nos. of Vol. Per Year

   _____ ☐ to _____ ☐ index ☐ Supplements.

   Month First   Month Last

   Area   ☐   ☐   ☐   ☐   ☐   ☐

3. Historical Information.

   ☐ Formerly _____ ☐ Title Change to _____

   ☐ Merged With _____ to Form _____

   ☐ Ceased Publication With Vol.___ No ___ Date _____

4. Holding _____ Binding _____

   _____ Color _____

   _____ ☐ Current   ☐ Issue   ☐ Vol. Only

Figure 6: Periodical input sheet

National Institute of Development Administration

Figure 7: TRANSFER SHEET

	Project No.	Page	of	Date	Coder	Checked By

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
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NIDA COMPUTER SERVICE UNIT

magnetic tape by CDC 3300 computer system at the Royal Turf Club of Thailand.

The magnetic tape contained all the 510 records of periodicals at present is used as the master file to produce the following outputs:

1. List of journals by title with frequency, location, holdings information, and historical information. An example is shown in Figure 8.

2. List of journals by subject (Figure 9).

3. List of journals by location (Figure 10).

4. List of journals by source with business office and address, cost, if subscribed, binding decision, color and if not retained for permanent collection (Figure 11, 12).

5. List of journals by title with publisher and address (Figure 13).

The first two lists are intended to be distributed to the faculty members and other libraries. The first and second editions were issued in 1972 and 1974. The other outputs are produced for internal use.

In order to update the master file, only the card containing the particular information needs to be added or replaced, other cards remain unaltered. A new deck of cards is punched only when the library receives a new periodical. All the sets of cards needed to be updated are sorted by code number and then are used as input

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DEVELOPMENT DIGEST                                              Q            CURRENT/JOURNAL STACK

    V.6-  (1968-    )


DIALOGUE                                                       Q            CURRENT/JOURNAL STACK

    ≠V.1≠(1968), 2-    (1969-    )


DIGEST OF CURRENT ECONOMIC STATISTICS                          M                      CURRENT


DUN≠S REVIEW AND MODERN INDUSTRY                                                 JOURNAL STACK

    V.74-76(1959-1960)


EFTA BULLETIN (EUROPEAN FREE TRADE ASSOCIATION)                9            CURRENT/JOURNAL STACK

    V.13-    (1972-    )


EAST-WEST COMMUNICATION INSTITUTE NEWSLETTER                                          CURRENT

    CURRENT ISSUE ONLY


EASTERN WORLD                                                  M            CURRENT/JOURNAL STACK

    ≠V.12 N.1,2≠(1958), 13-17(1959-1963), ≠18 N.6≠(1964), 19-    (1965-


ECONOMETRICA                                                  BI-M          CURRENT/JOURNAL STACK

    V.18-33(1950-1965), ≠34 N.1,2≠(1966), 35-    (1967-    )


ECONOMIC BULLETIN FOR ASIA AND THE FAR EAST                               CURRENT/JOURNAL STACK

    V.7(1956), ≠8 N.3≠(1957), ≠9 N.3≠(1958), 12-16(1961-1965), ≠17 N.2,3≠(1966), 18-19(1967-1968), ≠20 N.3≠(1969)
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Figure 8: list of journals and holdings

National Institute of Development Administration

LABOR AND INDUSTRIAL RELATIONS

CANADIAN PERSONNEL AND INDUSTRIAL RELATIONS JOURNAL

HUMAN RESOURCE MANAGEMENT

ILO PANORAMA (INTERNATIONAL LABOUR OFFICE)

INDUSTRIAL AND LABOR RELATIONS REVIEW

INDUSTRIAL RELATIONS

INTERNATIONAL INSTITUTE FOR LABOUR STUDIES BULLETIN

INTERNATIONAL LABOUR OFFICE LEGISLATIVE SERIES

INTERNATIONAL LABOR REVIEW

LABOR DEVELOPMENT ABROAD

LABOR RESEARCH

MANAGEMENT REVIEW

MONTHLY LABOR REVIEW

PERSONNEL

PERSONNEL JOURNAL

PERSONNEL MANAGEMENT

PERSONNEL NEWS

PERSONNEL AND TRAINING MANAGEMENT

SUPERVISION

Figure 9: List of journals by subject

National Institute of Development Administration

ALA BULLETIN (AMERICAN LIBRARY ASSOCIATION)
ACADEMY OF MANAGEMENT JOURNAL
ADMINISTRATION (NIGERIA)
ADULT LEADERSHIP
ADVANCED MANAGEMENT QUARTERLY JOURNAL
ADVANCEMENT MANAGEMENT
AMERICAN CITY MAGAZINE
AMERICAN DOCUMENTATION
AMERICAN HISTORICAL REVIEW
AMERICAN JOURNAL
AMERICAN JOURNAL OF INTERNATIONAL LAW
BACKGROUND ON WORLD POLITICS
BANK OF THAILAND MONTHLY REPORT
BRITISH MANAGEMENT REVIEW
BULLETIN OF INTERNATIONAL SOCIAL SECURITY
BULLETIN OXFORD UNIVERSITY INSTITUTE OF ECONOMICS AND STATISTICS
BUSINESS CYCLE DEVELOPMENT
BUSINESS HISTORY REVIEW
BUSINESS PERIODICAL INDEX
CANADIAN BANKER
CANADIAN JOURNAL OF ECONOMICS AND POLITICAL SCIENCE
CANADIAN WELFARE
COMMON MARKET
COMEDISON LIBRARY BULLETIN
COUNTY OFFICER
DUN#S REVIEW AND MODERN INDUSTRY
ECONOMIST
ENCOUNTER
FAR EAST TRADE AND DEVELOPMENT
FAR EASTERN QUARTERLY
FAR EASTERN SURVEY
FOREIGN TRADE
IULA BULLETIN (INTERNATIONAL UNION OF LOCAL AUTHORITIES)
IULA QUARTERLY (INTERNATIONAL UNION OF LOCAL AUTHORITIES)
INDIA QUARTERLY
INDUSTRIAL AND LABOR RELATIONS REVIEW
INTERNATIONAL AND COMPARATIVE LAW QUARTERLY
INTERNATIONAL CONCILIATION
INTERNATIONAL LABOUR OFFICE LEGISLATIVE SERIES
INTERNATIONAL SOCIAL SCIENCE BULLETIN
INTERNATIONAL SOCIAL WORK
JOURNAL OF ACCOUNTING RESEARCH
JOURNAL OF THE AMERICAN SOCIETY OF TRAINING DIRECTORS
JOURNAL OF THE BRITISH INSTITUTE OF MANAGEMENT
JOURNAL OF EAST ASIATIC STUDIES
JOURNAL OF ECONOMIC ABSTRACTS
JOURNAL OF HOUSING
JOURNAL OF THE INSTITUTE OF BANKERS
JOURNAL OF LOCAL ADMINISTRATION OVERSEAS
JOURNAL OF SOCIAL ISSUES

Figure 10: List of journals on stacks only, NIDA.

MIDLAND BANK REVIEW
     BUS. OFF.   MIDLAND BANK LTD., ECONOMIC DEPARTMENT, POULTRY, LONDON EC 2P 2BX
     CURRENT ISSUE ONLY

MILBANK MEMORIAL FUND QUARTERLY
     BUS. OFF.   MILBANK MEMORIAL FUND, 40 WALL STREET, NEW YORK, N.Y. 10005
     BINDING   1 YEAR 1 V.
     COLOR   GY

MODERN ASIA
     BUS. OFF.   PRINTING HOUSE,18 HOUSE STREET, HONG KONG
     BINDING   1 YEAR 1 V.
     COLOR   BK

MODERN GOVERNMENT AND NATIONAL DEVELOPMENT
     BUS. OFF.   INTERCONTINENTAL PUBLICATIONS, INC., 10 RIVER ST., STAMFORD, CONNECTICUT   06904
     COLOR

MONTHLY ECONOMIC DIGEST
     BUS. OFF.   BRITISH CHAMBER OF COMMERCE, BANGKOK
     CURRENT ISSUE ONLY

MONTHLY ECONOMIC LETTER
     BUS. OFF.   FIRST NATIONAL CITY BANK, NEW YORK
     CURRENT ISSUE ONLY

MONTHLY REVIEW
     BUS. OFF.   FEDERAL RESERVE BANK OF KANSAS CITY, FEDERAL RESERVE STATION, KANSAS CITY, MISSOURI 64198
     BINDING   1 YEAR 1 V.
     COLOR   RE

MORGAN GUARANTY SURVEY
     BUS. OFF.   MORGAN GUARANTY TRUST COMPANY, NEW YORK
     CURRENT ISSUE ONLY

MUNICIPAL REVIEW
     BUS. OFF.   THE ASSOCIATION OF MUNICIPAL CORPORATIONS OF ENGLAND, WALES AND NORTHERN ISLAND, 36 OLD QUEEN ST., LONDON SW 1
     BINDING   1 YEAR 1 V.
     COLOR   RE

NCSL EXCHANGE (NATIONAL CIVIL SERVICE LEAGUE)
     BUS. OFF.   THE NATIONAL CIVIL SERVICE LEAGUE, 1825 K. ST., N.W., WASHINGTON, D.C. 20006
     CURRENT ISSUE ONLY

Figure 11: List of gifted journals

National Institute of Development Administration

INDIAN ECONOMIC JOURNAL
      PRICE $5
      BUS. OFF.   DEPARTMENT OF ECONOMICS, UNIVERSITY OF BOMBAY, BOMBAY 1
      BINDING   1 YEAR 1 V.
      COLOR   GN

INDIAN JOURNAL OF PUBLIC ADMINISTRATION
      PRICE $5
      BUS. OFF.   THE INDIAN INSTITUTE OF PUBLIC ADMINISTRATION, INDRAPRASTHA ESTATE, RING ROAD EAST, NEW DELHI-1
      BINDING   1 YEAR 1 V.
      COLOR   GY

INDUSTRIAL RELATIONS
      PRICE $4.50
      BUS. OFF.   THE INSTITUTE OF INDUSTRIAL RELATIONS, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIF. 94720
      BINDING   1 YEAR 1 V.
      COLOR   BK

INFORMATION AND CONTROL
      PRICE $22
      BUS. OFF.   ACADEMIC PRESS, INC., 111 FIFTH AVE., NEW YORK, N.Y. 10003
      BINDING   1 YEAR 1 V.
      COLOR   GN

INFORMATION AND CONTROL
      PRICE $22
      BUS. OFF.   ACADEMIC PRESS, INC., 111 FIFTH AVE., NEW YORK, N.Y. 10003
      BINDING   1 YEAR 1 V.
      COLOR   GN

INTERNATIONAL AFFAIRS
      PRICE $7
      BUS. OFF.   T   OXFORD UNIVERSITY PRESS, PRESS ROAD, NEASDEN, LONDON N.W. 10
      BINDING   1 YEAR 1 V.
      COLOR   BN

INTERNATIONAL DEVELOPMENT REVIEW
      PRICE $7.50
      BUS. OFF.   THE SOCIETY FOR INTERNATIONAL DEVELOPMENT, 1346 CONNECTICUT AVE., N.W., WASHINGTON D.C. 20036
      BINDING   1 YEAR 1 V.
      COLOR   BK

INTERNATIONAL ECONOMIC REVIEW (PHILADELPHIA)
      PRICE $210
      BUS. OFF.   KANSAI ECONOMIC FEDERATION, SHIN-OSAKA BUILDING, DOJIMA-HAMADORI, KITA-KU, OSAKA, JAPAN
      BINDING   1 YEAR 1 V.
      COLOR   RT

Figure 12: List of subscribed journals

National Institute of Development Administration

76

COUNTY OFFICER
    PUBLISHER   THE NATIONAL ASSOCIATION OF COUNTY OFFICIALS
    ADDRESS   1001 CONNECTICUT AVE, N.W. WASHINGTON 6, D.C.

CURRENT SCENE
    PUBLISHER   CURRENT SCENE
    ADDRESS   CHUNG SHUN BUILDING, 13/15 GORDON ROAD, HONG KONG

DAEDALUS
    PUBLISHER   AMERICAN ACADEMY OF ARTS AND SCIENCES
    ADDRESS   2901 BYRDHILL RD., RICHMOND, VIRGINIA

DATA SYSTEM
    PUBLISHER   BUSINESS PUBLICATIONS LTD.
    ADDRESS   MERCURY HOUSE, WATERLOO RD., LONDON S.E. 1

DEMOGRAPHY
    PUBLISHER   THE POPULATION ASSOCIATION OF AMERICA
    ADDRESS   POPULATION STUDIES CENTER,1225 SOUTH UNIVERSITY ANN ARBOR, MICHIGAN 48104

DEPARTMENT OF CITY PLANNING NEWSLETTER
    PUBLISHER   DEPARTMENT OF CITY PLANNING
    ADDRESS   2 LAFAYETTE ST., NEW YORK, N.Y. 10007

DEVELOPING ECONOMIES
    PUBLISHER   THE INSTITUTE OF ASIAN ECONOMIC AFFAIRS
    ADDRESS   42 ICHIGAYA-HOMMURA-CHO, SINJUKU-KU, TOKYO 162, JAPAN

DEVELOPMENT AND CHANGE
    PUBLISHER   INSTITUTE OF SOCIAL STUDIES
    ADDRESS   MOLENSTRAAT 27, THE HAGUE, NETHERLANDS

DEVELOPMENT DIGEST
    PUBLISHER   NATIONAL PLANNING ASSOCIATION
    ADDRESS   1525 18TH ST., N.W., WASHINGTON D.C. 20036

DIALOGUE
    PUBLISHER   U.S. INFORMATION AGENCY
    ADDRESS   1776 PENNSYLVANIA AVE., N.W., WASHINGTON D.C. 20547

Figure 13: List of journals by title with publisher and address

National Institute of Development Administration

for creating a new master file. The computer programs are written in COBOL with the kind assistance of Miss Somboonwan Hemasatara, one of the teaching staff of the School of Applied Statistics.

The computerized periodical lists have not been printed since the Royal Turf Club of Thailand stopped offering NIDA free computer hours in May 1974. This work will be continued after the installation of a mini computer system, Burroughs 1714, at NIDA in March 1975.

System description

The information about each periodical is punched onto 20 cards, with fixed length.

Description of the use of columns is given below:

Card 1 Column 1 - 2 Card number

3 - 6 Code number

7 - 79 Title

80 Location

1 Current

2 Journal stack

3 Current/Journal stack

4 Current/Film

5 Office

6 Reference stack

7 Current/Reference stack

Card 2 Column 1 - 2   Card number

3 - 6   Code number

7 - 80 Cross reference

Card 3 Column 1 - 2   Card number

3 - 6   Code number

7 - 80 Publisher

Card 4 Column 1 - 2   Card number

3 - 6   Code number

7 - 80 Publisher continued

Card 5 Column 1 - 2   Card number

3 - 6   Code number

7 - 80 Address

Card 6 Column 1 - 2   Card number

3 - 6   Code number

7 - 80 Address continued

Card 7 Column 1 - 2   Card number

3 - 6   Code number

7 - 80 Business office

Card 8 Column 1 - 2   Card number

3 - 6   Code number

7 - 80 Business office continued

Card 9 Column 1 - 2   Card number

3 - 6   Code number

7 - 26 Order number

27 - 33   Cost

34 - 37   Year subscription first placed

38   Source

       1   Subscription

       2   Subscription (Direct)

       3   Gift (Direct)

       4   Gift

       5   Membership

       6   Exchange

39 - 41   Number of issue per year

       001   Annual

       002   Bi-annual

       003   3 issues/year

       004   Quarterly

       005   5 issues/year

       006   Bi-monthly

       007   7 issues/year

       009   9 issues/year

       010   10 issues/year

       011   11 issues/year

       012   Monthly

       022   22 issues/year

       024   Fortnightly

       052   Weekly

       365   Daily

       IRR   Irregular

Column 42 - 43   Number of volume per year

       44 - 50   Month of the first issue

       51 - 57   Month of the last issue

       58   Index or supplements

              1 Index

              2 Supplements

       59 - 60   Area - 1

       61 - 62   Area - 2

       63 - 64   Area - 3

       65 - 66   Area - 4

       67 - 68   Color

              BE   Blue

              BK   Black

              BN   Brown

              GN   Green

              GY   Grey

              RE   Red

              YE   Yellow

       69   Current issue only

       70 - 71   Binding decision

              01 Jan.-Apr., May-Aug., Sept.-Dec.

              02 Jan.-Mar., Apr.-Jun., Jul.-Sept.,

                   Oct.-Dec.

              03 1 year 1 volume

              04 1 year 2 volumes

              05 1 year 6 volumes

06 1 year 2 volumes: no. 1-6, 7-12

07 1 year 2 volumes: no. 1-2, 3-5

08 1 year 2 volumes: no. 1-3, 4-6

09 2 years 1 volume

10 3 years 1 volume

11 4 years 1 volume

12 Jan.-Jun., Jul.-Dec.

13 1 year 3 volumes

14 1 year 4 volumes

Card 10 Column 1 - 2   Card number

3 - 6   Code number

7 - 80   Holdings

Card 11 Column 1 - 2   Card number

3 - 6   Code number

7 - 80   Holdings continued

Card 12 Column 1 - 2   Card number

3 - 6   Code number

7 - 80   Formerly

Card 13 Column 1 - 2   Card number

3 - 6   Code number

7 - 80   Title changed to

Card 14 Column 1 - 2   Card number

3 - 6   Code number

7 - 80   Merged with

Card 15 Column   1 - 2   Card number

3 - 6   Code number

7 - 8   Ceased volume

9 - 11   Ceased number

12 - 17   Ceased date

18 - 80   To form

Card 16 Column   1 - 2   Card number

3 - 6   Code number

7 - 80   Holdings continued

Card 17 Column   1 - 2   Card number

3 - 6   Code number

7 - 80   Holdings continued

Card 18 Column   1 - 2   Card number

3 - 6   Code number

7 - 80   Holdings continued

Card 19 Column   1 - 2   Card number

3 - 6   Code number

7 - 80   Holdings continued

Card 20 Column   1 - 2   Card number

3 - 6   Code number

7 - 80   Holdings continued

Schematic of processing systems of creating the master file is shown in Figure 14, of updating the master file is shown in Figure 15, and of producing lists of journals is shown in Figure 16.
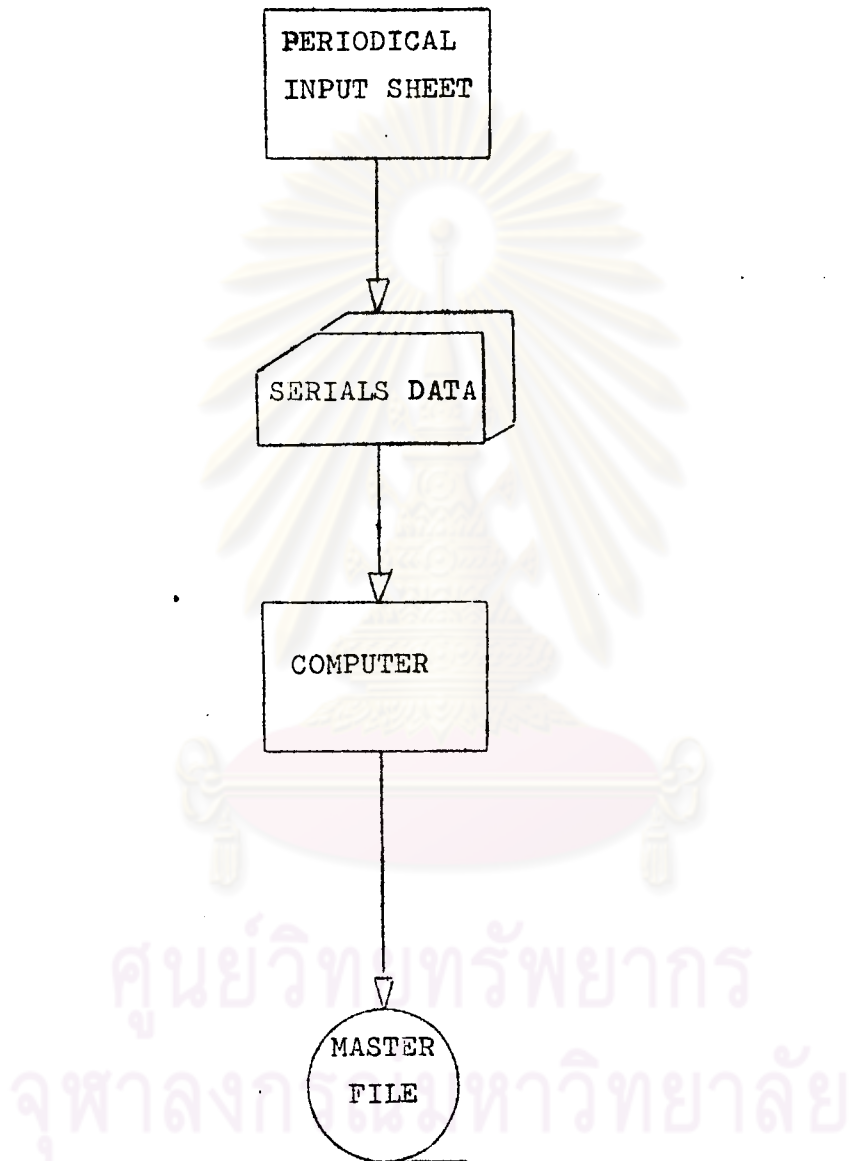
Figure 14: Creating the master file

National Institute of Development Administration
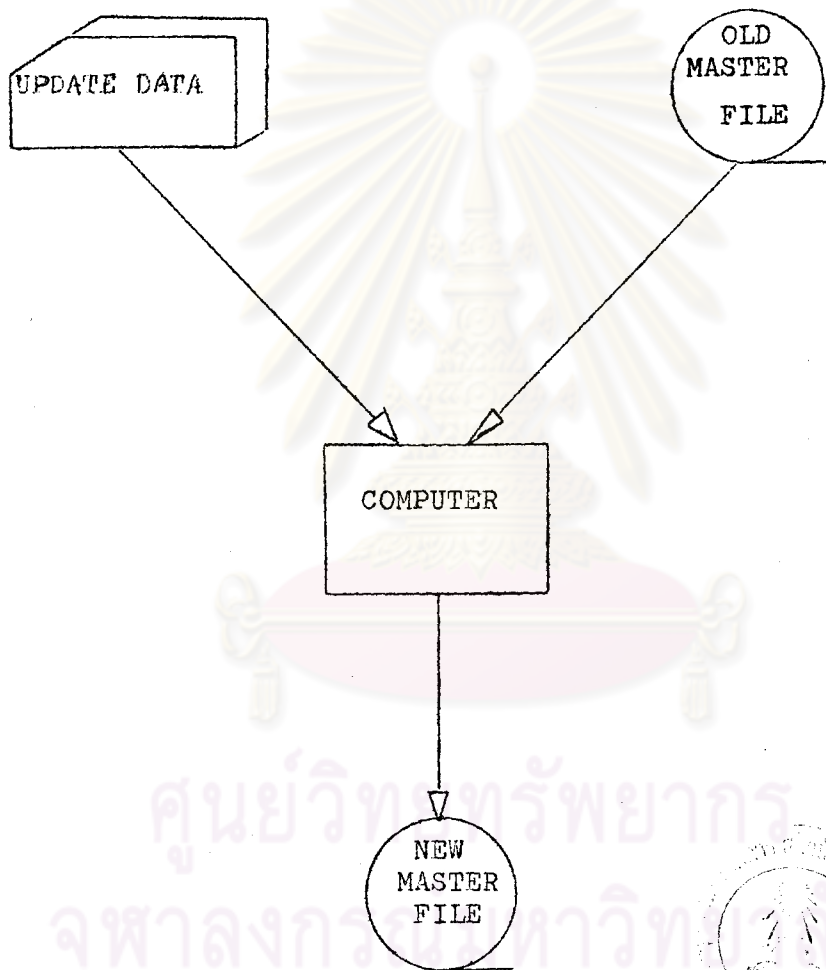
Figure 15: Updating the master file

National Institute of Development Administration
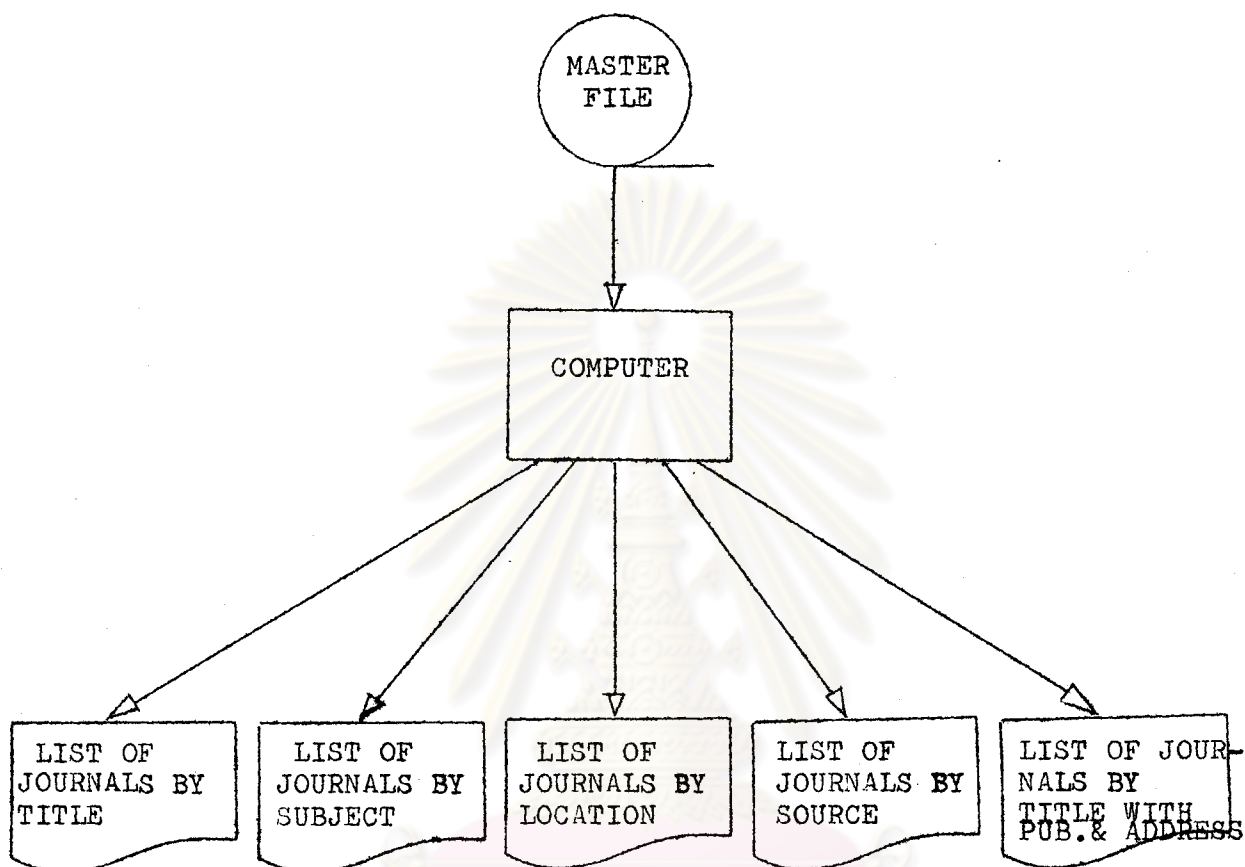
Figure 16 : Producing lists of journals
National Institute of Development Administration

Future plans

The mini computer to be installed at NIDA will change the
system of journal listing since this computer system has no tape
unit. The existing master file on magnetic tape becomes useless.
Disk packs may be used instead. Some computer programs have to be
revised, and some be rewritten. New computerized journal lists

will be produced after the revision of the system and programming. Though the capability of the mini computer system may limit other complicated computerized serials applications, such as check-in operation, claiming and binding, the experiments in other simple ones, such as accounting system may be considered.

The Union List of Serials Project

This local cooperative project began with the installation of a new CDC 3600 computer at AIT and the redesign of the library's computerized system. Libraries of many institutions in Thailand participate in the union list of serials project. They are as follows:

AIT Library and Information Center

American University Alumni Association

Chulalongkorn University

    Central Library

    Faculty of Architecture

       "   " Arts

       "   " Commerce and Accountancy

       "   " Communication Arts

       "   " Density

       "   " Economics

       "   " Education

       "   " Engineering

       "   " Law

Faculty of Medicine

    "   "   Pharmaceutical Science

    "   "   Political Science

    "   "   Science

    "   "   Veterinary Science

Graduate School

Ministry of Industry. Department of Science

Kasetsart University

Mahidol University

    Faculty of Science

    Ramathibodi Hospital

    Siriraj Medical School

NIDA Library and Information Center

National Library of Thailand

Thai National Documentation Centre

Thammasat University

    Central Library

    Faculty of Law

UNESCO Regional Office for Education in Asia

There are few manual union lists existing, such as a <u>Union List of Scientific Serials in Thai Libraries</u> issued by the Thai National Documentation Center in 1968, and a <u>Union List of Medical Journals</u> issued by Siriraj Medical School. Since it is very difficult to prepare a manual union list of serials, an automated data base is considered. As explained in the <u>Proposal for an Automated</u>

Union List of Serials, the rationale of maintaining an automated data base lies in the variety of uses to which it can be put not just for one library alone but for a group of libraries if their requirements are allowed for. The scope of a co-operative approach lies in both the shared cataloging area and the union listing area. Shared cataloging involves standards and compatibility; it will permit multiple use of records for different purposes. Use of centralised records should reduce the cataloging load of participants and should make maintenance and updating of records simpler. Listings from the data base can be both local, i. e. for the individual library, and union. Union lists within a responsible frame-work can be relied upon for comprehensive inter-lending and even coordinated acquisiton programs.[15]

In order to build up such an automated data base, the first stage is to collect the number of titles in each participant library and make comparisons of holdings with the present AIT list so that an equable and efficient strategy for data collection can be devised and followed. Each library has to prepare its data. Keypunching and computer processing is carried out at AIT.

The scope of the projected data base, the format to be adhered to and the approach to the machine files, the form of entry, filing rules and computer character sets, and the range of

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[15]S.W. Massil, Proposal for an Automated Union List of Serials (Bangkok: Asian Institute of Technology, 1974), p. 1. (Mimeographed).

listings to be derived from the data base have been discussed.[16] The Instructions for Completing Serials Data System Input Forms[17] as well as Serial Project Manual; Input Instructions for Union Serials Cataloguing (English Text)[18] are prepared. This manual presents the format and instructions for creating serial records in an automated co-operative system.

At present, the abstract and index journals listing has been issued.[19] An example in shown in Figure 17.

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[16]S.W. Massil, Proposed Union List of Serials (Bangkok: Asian Institute of Technology, 1974) (Mimeographed).

[17]Instructions for Completing Serials Data System Input Forms (n.p., n.d.) (Mimeographed).

[18]S.W. Massil, Serial Project Manual; Input Instructions for Union Serials Cataloguing (English Text) (Bangkok: Asian Institute of Technology, 1974).

[19]Union List of Serials in Thailand; Automated Union List of Serials, Stage 1 : Abstract and Index Journals, Project Undertaken with the Partial Support of UNESCO. Bangkok, 1975.

OCTOBER 8, 1975

069000
  ABRIDGED READER
    NLT   1970-
         WANTS :

069470
  ABSEES
    SOVIET AND EAS
    (BRITISH NATII
    TUC   V.1-
         WANTS :

066150
  ABSTRACT BIBLIOC
    (UNIVERSITY OF
     RICE AND COF
    DOS   (1926-4(

070370
  ABSTRACT BULLETI
    (INSTITUTE OF
    FORMERLY : BUL
    DOS   V.44, 15

070830
  ABSTRACT JOURANL
    (JSSR, ACADEMY
    TOC   N.5-6, 1

001165
  ABSTRACT JOURNAL
    AIT   V.1-