DEPTH CLASSIFICATION (2)  
DEMONSTRATION (1)  
S. R. Ranganathan

[Demonsrates the application of an expressive, analytico-synthetic scheme of classification to the depth classification needed in documentation work. An article from the Library Association record is taken as the “Guinea-Pig”. Its CC Number is constructed. The following steps are demonstrated: (1) Facet analysis in the idea plane; (2) Analysis into rounds and levels; (3) Formation of schedule for a non-enumerated facet, with the aid of the canon of mnemonics; (4) Sharpening of a focus enumerated in the schedule, with the aid of canon of mnemonics; (5) The synthesis in the notational plane; and (6) The application of Chain Procedure to arrive at Subject Headings. UDC number is also constructed to demonstrate the limitations due to its being enumerative in the core and analytico-synthetic only in the periphery. The co-extensiveness of class numbers with subject and the lengths of CC and UDC numbers are compared.

The use of symbolic meta language given in Pp 248-249 of the Depth classification (1953) ed by S.R. Ranganathan is also slightly demonstrated.]

0 Document

ALLARDYCE (A). The British National Book Centre, the first five years.  
(Lib Assoc rec, 55, 1953, 344-49).

Traces the history of this Department of the National Central Library. Describes achievements with a statistical analysis of inter-library exchange. 356 libraries participate. Financial and staff handicap.

1 Analysis


<table>
<thead>
<tr>
<th>Symbolic language</th>
<th>Natural language</th>
<th>Focus</th>
<th>CC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>(MC)</td>
<td>Main Class</td>
<td>Library science</td>
<td>2</td>
</tr>
<tr>
<td>[P]</td>
<td>First Round, First Level, Personality</td>
<td>Nation</td>
<td>13</td>
</tr>
<tr>
<td>[S]</td>
<td>Space</td>
<td>Great Britain</td>
<td>56</td>
</tr>
<tr>
<td>[2P] (CI)</td>
<td>Post-space Posteriorising, Second Round, First Level, Personality, Common Sub-division</td>
<td>Institution</td>
<td>c</td>
</tr>
<tr>
<td>[2P.2]</td>
<td>Second Order Array of the preceding</td>
<td>National Central Library</td>
<td>N</td>
</tr>
<tr>
<td>[2P2]</td>
<td>Second Round, Second Level, Personality</td>
<td>Interchange</td>
<td>45</td>
</tr>
<tr>
<td>[T]</td>
<td>Time</td>
<td>First 5 years</td>
<td>5</td>
</tr>
</tbody>
</table>
2 Synthesis

Class Number is 213.56, cN, 45, p5

3 Notes

31 This is an account of a Department of a National Library. This calls for the common subdivision “Institution”. This is an after-space posteriorising common subdivision.

32 The main class is “Library Science”. It is one of the prels. It is enumerated in schedule 9. Its number is 2.

33 The library is trans-local. It is of national coverage. It is enumerated in the [P] schedule of “2 Library science”. Its isolate number is 13.

331 No other level of [P] is manifested in the first round.

332 The Matter Facet is diffuse. All kinds of reading materials are covered without specific mention of any one. It can therefore be left vacant.

333 There is no manifestation of Energy.

34 The focus in the Space Facet is “Great Britain”. It is enumerated in Chapter “3 Geographical Schedule”. Its isolate number is 56.

35 The National Central Library is an Institution. The latter is enumerated in chapter “2 Common Subdivisions”, as an after-space, posteriorising personality manifestation. Its isolate number has recently been changed to “c”.

36 There is more than one National Library in Great Britain. The British Museum is one of them. It is therefore necessary to individualise the National Central Library. Chronological and alphabetical devices are available for the purpose. There is no special help in arranging these two national libraries by the Chronological Device. In fact no particular sequence of them is more helpful than any other. Therefore the simplest device, viz. Alphabetical Device, may be used. This gives “N” as the isolate number in the second-order-array in the second round of personality manifestation.

36 On the other hand, in individualising periodicals we use the chronological device instead of the alphabetical device. Because
the name of the periodical does not satisfy the Canon of Permanence. It is liable to change. It does change often. On the other hand, the name of a National Library is not liable to change except unusually as it happened with the Imperial Library of India. This is the reason for preferring the alphabetical device in individualizing the National Central Library of Great Britain.

37 There is a second level manifestation of personality in the second round. It is "Department of Exchange".

371 This facet is not enumerated in CC. But, the different types of activities of a library are enumerated in the Energy Schedule. A department may correspond with each of many of its foci, in the second level personality. The isolate number of each department may be fixed mnemonically with the isolate numbers in the Energy Schedule.

372 "Exchange" is not mentioned in the Energy Schedule. "Book selection" is the isolate which comes nearest to it. Its isolate number is 1.

373 A second-order-array should be added to 1. Book selection may be with a view to acquisition by purchase, exchange or gift. Exchange is a reciprocal relation with another library. The mnemonic for "outside" is 5. Thus, the isolate number for "Exchange Department" is 15.

38 The book gives the history of the department. A Time Facet is therefore called for. Are we to use "Public Time" or "The Departments' own Private Time"? Obviously the latter is more appropriate. The title of the document itself mentions the period covered in terms of Private Time. (See Annals part of Abgila, 1, 1949, 57-59).

381 What should be the unit of time to be used? Year is suggested by the context. The proposed signature digit for year is $p$. The isolate number is 5.

391 The connecting symbol for [P] is comma. But it need not be written for [PI]. However it must be written if the [P1] is in a round started by a Space Focus.

392 The connecting symbol for [S] is full stop.
393 The connecting symbol for \([T]\) is full stop.

394 The sequence of the facets is \([P], [P2] [S] [T]\) in each round. This is a general prescription applicable to all subjects.

395 Thus synthesising the Basic Number and the various isolate Numbers with the appropriate Connecting Symbols, the Class Number got is 214.3,\(c N, 15.\rho 5\).

396 This number is coextensive with the subject of the document in every facet.

4 UDC

41 UDC's core does not admit of facet-analysis. Therefore the core of the subject cannot be analysed. Accordingly the UDC number for the core cannot be got by synthesis. It must be picked up from the enumerated schedule of its "main classes".

42 Viewed from the angle of "main classes", the subject has to be deemed to be of two phases. These are

021.851 Exchange between local libraries (The next coordinate division is "International exchange". Therefore "Local" should be deemed to mean "within the nation").

061.27 Institutions

43 Synthesising these two numbers with the prescribed Connecting Symbol Colon, we get

021.851 :061.27

44 The subject presents a space facet. The focus in it is Great Britain. Its number is 41. UDC has provision to attach a space facet. The Connecting Symbol is brackets. Thus, the number is further synthesised into 021.851 :061.27(41).

45 The subject presents a "Duration of Time". It is 5 years from the foundation of the institution. UDC has provision to attach a time facet of this kind. The isolate number is 45-5. The Connecting Symbol is quotation marks. Thus the finally synthesised UDC number is 021.851 :061.27(41)"45-5".

46 The above UDC number does not indicate that the Institution is a Department of the National Central Library. Nor
does it individualise the Institution in any other way. To this extent, it is not co-extensive with the subject of the document.

47 CC number co-extensive with the UDC number is 2.3, c, 15, p 5.

5 Comparison of Length

Number of digits in CC number co-extensive with the subject

in CC number co-extensive with UDC Number

UDC Number

14

11

24

6 Alternative UDC Number

The following note occurs in UDC.

"027 General Libraries

Enter here all matter relating to various particular libraries without distinction of type; history, annual report, regulations, constitution, statistics, bulletins, manuals, circulars, etc.

This section is subdivided by countries, towns, and where necessary also by the name of the library or the institution to which it is attached.

E.g. 027 (44.36 Paris. Nationale) Bibliothèque National de Paris."

Following this note we get the UDC Number 027 (421 British National Book Centre) "45-5".

61 This number is even longer than the other UDC Number.

62 Moreover, this number is not expressive. It does not bring out the essential character of the information given by the document. Therefore this number will place the document in question in a very unhelpful place.

7 Chain Procedure

A reader may look for this entry under "British National Book Centre". This is the specific place. One who does not remember this name may look for it under "Exchange". There may be other more distant or vague approaches. All these approaches will be helped by the Class Index Entries derived from the Colon Number according to the Rules of Chain Procedure prescribed
in the *Classified catalogue code*, ed 3, 1952. There will be entries with the following headings and index numbers.

1. British National Book Centre
2. Exchange Department. National Central Library. Great Britain
3. National Central Library. Great Britain
5. Nation. Library
6. Library Science