The Bliss Classification Bulletin

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CONTENTS

Note: Additions and amendments are printed on ONE side of the paper. Pages 16, 18, 20, 22, 24, 26 and 28 are intentionally BLANK.

EDITORIAL

The outstanding event of the past year has undoubtedly been the publication of Class K, Society. Although we are aware that a great deal of very encouraging progress is being made on other classes, it is only the schedules which are actually available to the profession by which BC2 is judged, and K is doubly welcome. I shall return to this shortly.

Our benefactors continue to support, delight and surprise us. The John S. Cohen Foundation, which contributed so generously to our Appeal Fund, has made a further grant of £3500 to aid the completion of Class A, Mathematics (a field which has long been in sore need of an efficient modern classification, as noted elsewhere).

The Association has purchased a second microcomputer which will be used for the final editing of schedules when preparing copy to be sent to Butterworths. The first machine is more than earning its keep speeding up the process of schedule development. This work necessitates a lot of

Hon. Editor, *The Bliss Classification Bulletin*: Mr A.G. Curwen, College of Librarianship Wales, Llanbadarn Fawr, Aberystwyth, Dyfed, SY23 3AS

amendments, insertions, deletions, movements of blocks of text, rewriting and retyping -- work which is very time-consuming and messy (and alarmingly prone to error), but ideally suited to a good word-processing package. With a suitably tagged text, the machines can also do the donkey work of index preparation, which is no small gain.

The most obvious feature of Class K -- its schedule layout -- is a product of the use of computers in schedule preparation. The Editor's acknowledgment of the work of Robin Bonner and Joan New (p.xxxiii) deserves repetition here. This is the new standard for BC2 schedules, using dots both as lead lines and as indicators of subordination:

```
KLM         GROUPS, SOCIAL GROUPS
            .  * Homogeneous aggregates.
            .  * For Aggregates see KMF.
            . (Study & research)
KLM 6M      . . Models
    6NW     . . . Abstract groups
    6NX     . . . Natural groups
    6R      . . . Standardization groups,
            . . . . . . . normalization groups
```

(This feature is being employed in the Additions and amendments at the end of this Bulletin for Class K, instead of saying 'Align with'). The selection of terms for the column headings has also been carefully worked out to give the essential hierarchy down to the last term in each preceding column. Giving the complete hierarchy would result in too much displacement to the right:

```
                                SOCIETY
                              Social phenomena
                                Social structure
                                  Social units
                                    Collectivities
                                      Groups, Social groups
                                        Types of groups
                                          Reflecting particular social processes
                                            Power and influence factors
                                             [Power groups]

KMA D       . . . . . . . . Subject aggregates                    (p.59, col.2)
```

and more!

Unquestionably Class K is the greatest controlled vocabulary of Society that has ever been published. It is necessarily complex, for so is the field it maps. To understand it, the Introduction must be read and reread carefully, but as a start -- an introduction to the Introduction, so to speak -- the article by Jack Mills noted later on in Miscellany (p.14) can be highly recommended. In some ways the most striking intellectual break with older classifications is the relegation of Sociology and Anthropology to the status of disciplinary viewpoints (K9V/K9W), with Society becoming a 'phenomenon' class regarded from these and other investigative viewpoints. This overcomes the growing disquieting feeling that Sociology is Ourselves studying Ourselves, while Anthropology is Ourselves studying 'primitive' societies. A prize for the first Samoan Ph.D. thesis on the tribal rituals of English football crowds.

Let K be used and thoroughly tested in our collections. Comments on both content and presentation will be welcome.

BLISS CLASSIFICATION ASSOCIATION

Minutes of the

Annual General Meeting

held on 7 December 1984 at the King's Fund Centre, London, at 2.15 p.m.

PRESENT: Jack Mills (Chairman, and Editor of BC2)
Ken Best (personal member)
Peter Boaden (University of London)
Robin Bonner (personal member)
Paul Brewin (DHSS)
Susan Bury (Haddon Library, Cambridge)
John Campbell (life member)
Madeleine Carrington (OPCS)
Keith Cheyney (Haberdashers' Aske's School, Elstree)
Sue Cook (King's Fund Centre)
Debbie Cowley (CCETSW)
Antony Croghan (personal member)
Elizabeth Edwards (Pitt Rivers Museum, Oxford)
Jean Garriock (S. Martin's College, Lancaster)
Graham Geoghegan (University of Reading)
Chris Horsey (DHSS) (Treasurer)
Carol Jacklin (King's Fund Centre)
Helen Jarvis (Canterbury College of Art)
Derek Langridge (Polytechnic of North London)
Louise McGill (CCETSW)
Marion MacLeod (Fitzwilliam College, Cambridge)
John Nowell (Dr Barnardo's)
Chris Preddle (Dr Barnardo's) (Secretary)
Hilda Stoddard (Chester College of Higher Education)

APOLOGIES for absence were received from:

Tony Curwen (College of Librarianship Wales) (Editor, Bliss Classification Bulletin)
Jennifer Francis (Hampshire Social Services Department)
Roger Hughes (Commonwealth Institute) (Publicity Officer)
Elizabeth Russell (King's College, Cambridge)
Margaret Walker (Tavistock Joint Library)

At the start of the meeting Sue Cook welcomed members to the King's Fund Centre.

1 MINUTES

The minutes of the Annual General Meeting held on 2 December 1983 were approved.

2 MATTERS ARISING

The Chairman reported that the fundraising appeal had been a success, but that no more money was likely to come in from it in the future. However, a further application had been made to the John S. Cohen Foundation for the completion of Mathematics.

3 PROGRESS OF BC2: EDITOR'S REPORT

3.1 Class K was published in December 1984, and included many innovations due to computer production. The Editor expressed his thanks to Robin Bonner for his very great help.

3.2 2/9: The Editor would start work on these classes late in 1985. Help had been promised by Douglas Foskett.

A: The vocabulary of Mathematics should be completed in the first half of 1985. Philosophy was virtually finalised, and the Editor was ready to finalise Statistics. The whole volume should be sent to Butterworths in the middle of 1985.

B/C: Eric Coates would carry out some revision of these classes in connection with his work on Technology.

D: The PNL had not been able to grant a term's leave to Eddy Garrett to help him complete this class.

E/F/G: The penultimate draft was being finalised by Sylvia Beresford. Applied Biology would be added later in 1985.

L/O: No further grant had been obtained from the Public Record Office to help Derek Langridge complete this class.

R/S: No further progress had been made since the issue of the penultimate draft of Politics.

T: Economics was completely finalised. The vocabulary of Management was complete; the notation would be added in 1985. The volume should go to Butterworths in mid 1985.

U/V: Eric Coates was making good progress with the help of the Association's microcomputer. Some small facets for common facets, such as Instrumentation, were already finished.

W/Y: Derek Langridge had done some more work on Music.

3.3 A very generous donation by deed of covenant from an anonymous donor had been made to the Association for the completion of the natural science classes. With the help of this gift, Vanda Broughton would produce the penultimate draft of B, finalise C, and collaborate in the production of D.

4 FINANCE AND MEMBERSHIP: TREASURER'S REPORT

4.1 The Treasurer presented the accounts for the year ended 31 July 1984. He added that the total raised by the appeal was £29608.

4.2 The Treasurer presented up-to-date figures for the numbers of copies of each published class that had been printed and sold. The Secretary reported that Butterworths would reprint the Introduction as a paperback, photocopied, in short runs. The meeting was disturbed that a proper, amended reprint was not possible, and regretted that so few copies of Class K had been printed, and it was agreed to express these feelings to Butterworths.

4.3 Graham Geoghegan mentioned the popularity of Class J, and John Campbell emphasised the need to revise published classes of BC2. It was agreed that the Editor should explore the possibility of revising J, perhaps with help from Douglas Foskett.

4.4 Membership stood at 114, compared with 118 in July 1983.

4.5 The meeting expressed thanks to Peter Boaden for his years of service as Treasurer.

5 HON. AUDITOR

Ken Best was elected Hon. Auditor.

6 PUBLICITY

On behalf of the Publicity Officer, the Secretary reported that a press release for Class K had been issued, but that it was not altogether satisfactory. Butterworths had not used the Committee's suggested text, and had not done justice to the innovations in BC2. However, the Publicity Officer was already working on better releases for Classes A and T, and on lists of journals to receive review copies.

7 COMMITTEE ELECTIONS

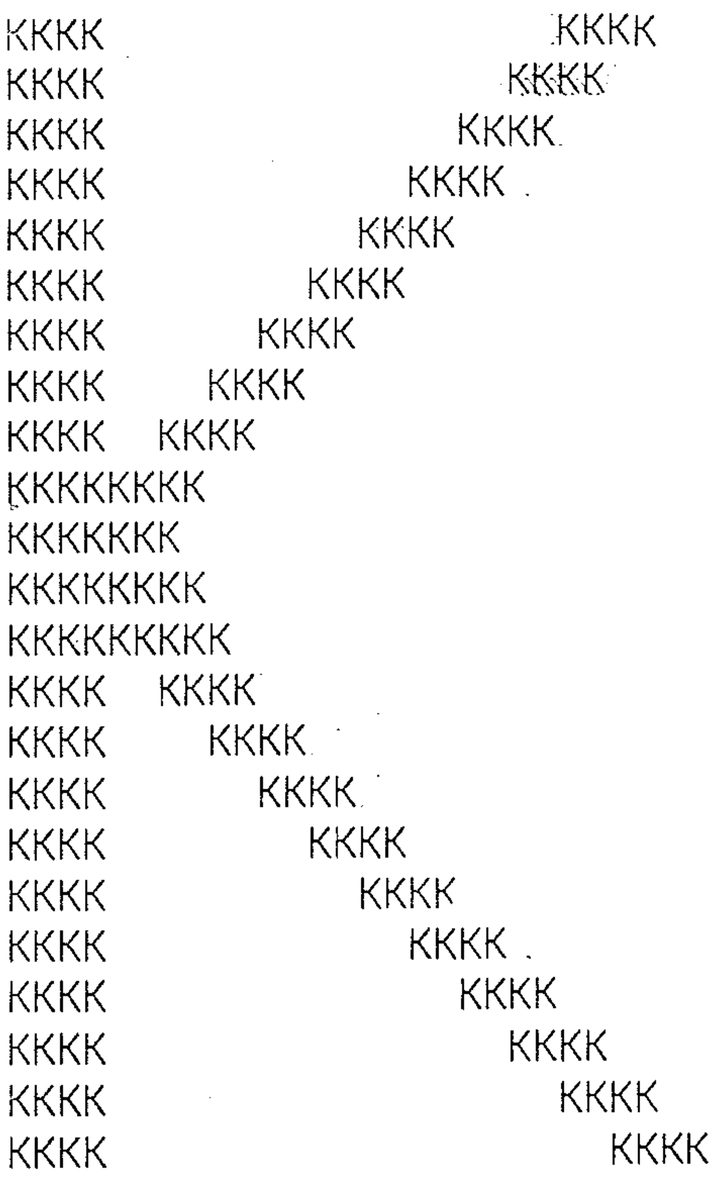
Tony Curwen, Chris Preddle and Hilda Stoddard were elected to the Committee.

8 OTHER BUSINESS

Antony Croghan raised the question of BC2's long-term future and revision. Class J should be seen as a test of the need to revise individual classes and of the problems of revision. Revision should be considered well in advance.

John Campbell re-emphasised the need to revise Class J.

* * * * * * * *



BLISS CLASSIFICATION ASSOCIATION

Consolidated Receipts and Payments for the Year ended 31 July 1984

1983	RECEIPTS		1984	1983	PAYMENTS		1984
	Balances forward 1 August 1983						
2169.92	General accounts	2923.89		50.00	Committee expenses		139.35
0000.00	Appeal account	14404.45	17328.34				
				86.45	Stationery and postage		72.21
	Subscriptions						
	Personal	30.00			Expenses of 2nd Edition		
	Schools	30.00			J.S. Cohen grant	2689.25	
867.70	Other institutions	699.15	759.15		Sir E. Cassel grant	1000.00	
					Apricot microcomputer	2994.60	
204.61	Butterworths royalties		146.33	450.00	Work on Class K	1077.00	7760.85
86.77	Distribution from M&G (Charibond)		86.78	6.79	Other payments		36.31
	BC Appeal contributions				Balances i/h 31 July 1984		
	Sir Ernest Cassel Educational Trust	1000.00		2923.89	(General current a/c	60.05	
					(General deposit a/c	499.41	
14214.21	Other contributions	4324.90		14404.45	Appeal a/c	16025.48	16584.94
	Bank interest						
180.13	General deposit a/c	159.93					
190.24	Appeal deposit a/c	779.23	938.16				
	Banking error		10.00				
17921.58			24593.66	17921.58			24593.66

The Association's assets at 31 July 1984 were as follows:-

800.13	Charibond (at cost)	800.13
2923.89	Cash at bank (General a/c)	559.46
14404.45	Cash at bank (Appeal a/c)	16025.48
18128.47		17384.97

C. Horsey, Hon. Treasurer, DHSS Library,
Alexander Fleming House,
Elephant & Castle, London SE1 6BY

AUDITOR'S REPORT

I have examined the books, bank statements and other relevant papers of the Bliss Classification Association and find the above statement to be correct.

K. Best, Hon. Auditor 5 December 1984
12 Lynwood Gdns, Hook, Basingstoke, Hants

CLASS 4/9 : COMMUNICATION SCIENCE & INFORMATION SCIENCE AND TECHNOLOGY

Much work has been done on clearing the ground for an integrated classification of this field. It will constitute the major part of the numeral classes 2/9 (which will be published in one volume). The volume will also include Generalia and the Phenomenon Classes. Although a penultimate draft of Documentation, Library and Information Science was issued several years ago*as Class Z, this material will now be incorporated in 2/9. In some ways the delay in producing this class is a blessing in that a much clearer picture has emerged of the radical development in the information world which has accompanied the computer revolution.

An outline of the proposed structure is given here. Note that Information Science and Technology (7/9) is treated as a separate class, coordinate with Communication (general). It has its own distinct citation order:

Information systems -- Types -- Parts -- Operations and agents -- Properties

Note also that the notation is highly provisional and is given here purely to assist reference and to demonstrate the potential for synthesis.

4 Systemology, communication and control
44 Systems and cybernetics (including artificial intelligence)
5 Communication
*Formulation and exchange of messages in general. For Social communication, see K
57 Communicators
58 Transmission of messages ... Information theory
5B Signification agencies: signs, symbols, semiotics
5D Verbal (alternative here for Linguistics) ... Non-verbal: pictures ... numbers
5E Channels (general)
5G Media
(By physical characteristics)
5IE Technical transmission media: mechanical ... electrical ... optical
5IH Human senses: oral (verbal = speech) ... visual (verbal = writing)
(By relation between communicators and channels)
5J Presentational media
*Necessitating presence of communicators; acts of communication
5JJ (By senses) Touch ... Body movements
5K Representational media, records
*Independent of communicators; works of communication
(By number of communicators)
65 (Indeterminate) Signalling ... warnings, alarms ... identification signs
66 Individual communication, destination-directed
66 5J (Presentational) Technical transmission: telephone ... cellular radio
5K (Representational) Technical transmission: telegraph ... post
6B Group, intra-group communication
6B 5J (Presentational) Face to face ... teleconferences
6D Mass communication
6D 5J (Presentational) NOT APPLICABLE
5K (Representational, records)
5M Generation of information ... physical production (general) ...
5P Distribution: publishing in widest sense
5Q Transmission
5R (By mode) Cable ... communications satellites
5S Telecommunication: videotext ... broadcasting
6DI H (By sense media)

*August 1972

Communication
Mass communication
(Representational, records)
6DI H (By sense media)
L (Audio) Recording ... radio broadcasting
N (Visual)
Reprography and printing ... image communication ...
N5Q (Transmission) Television
6DJ Textual records ... word processing
6DK Pictorial records: photography ... cine ... computer graphics
6DP Bookform ... bibliography
6DS Non-bookform ... newspapers
6DV (Tactile) Braille ... Feelies (Brave new world) ...
6H (Communication in special environments) Underwater ...
6K (Special functions of communication) Public relations ... publicity
(Communicating special subject information) see main classes 2/9, A/Z

7 Information science and technology
*How access to messages is organised and facilitated,
especially via stores of information
7E Information flow ... information exchange
7ET (Technical operations)
7EV Information technology (general)
7F Information processing, data processing ... computers ...
7P Document preparation: editing ... formatting ... (word processing) ...
7QB Information work, information and document handling (general)
*Most of the detail applies particularly to Libraries (9B)
7QC Acquisition ... maintenance and storage ... circulation ...
7R Information retrieval (from information stores)
7RS Personal assistance to users
7RV Indexing: classification ... cataloguing ... shelf arrangement
7XN Abstracting
7Y Information systems
8HB Design ... management (including consumers, user requirements)
8HF (Information processing) Software configuration .. hardware configuration ...
8HM (Transmission modes) Cable ... satellite ... optical fibres ...
8I (Information-carrying records)
8J Information collections, information stores, information centres, information services
8K Data bases (general)
(Types of information systems)
8L (By geographic scope) International ... national ... regional ...
8N (By community or owner served) Public ... academic ... government ... special ...
8P (By structure) Networks, distributed processing systems
(By principal output format)
8R (Primarily references) Reference retrieval services, centres
8S (By output format) Oral ... printed ... microform ... VDU ...
8W Computerised services
8WK (By type of computer)
8WL (By geographic scope)
8WN (By community or owner served)
8WP (Networks) Local area ... wide area ... Named systems ...
8WT (With output other than references) Full text output systems
8WV Abstracting and indexing services ... reviewing services ...
9B (Primarily documents) Libraries
9BI (Types of records held) Library stock ... Byf form ... By subject ...
9BL (By geographic scope)
9BN (By community or owner served)
9BP (Library networks)
9BQ (By special function) Info. and document centres ... referral centres ...
9LD Retrieval of information from specific documents, use of records
9LE (Textual documents) Reading for information extraction ... technical reading ...
9LG (By types of information) Data retrieval ... subject retrieval (see main classes 2/9, A/Z)

CLASS A : MATHEMATICS

In the 1984 Bulletin (p. 11-12) we reported the progress on this class made by Vanda Broughton under the grant from the John S. Cohen Foundation (which has been generously supplemented to ensure completion). The schedule is now (May 1985) in an advanced state with a detailed and up-to-date vocabulary covering all fields of mathematics. The proposed structure already reported has proved successful in accommodating this vocabulary. A demonstration is given below of the way in which the general facets of Methodology, Operations, Relations, etc., consistently accommodate the details under the different fields (Systems) from Sets to Analysis.

The outline schedule which follows is an inverted one, reflecting the citation order given in the 1984 Bulletin:

Systems -- Parts -- Properties -- Relations -- Processes -- Operations -- Methodologies

Once more, the notation must be regarded as entirely provisional, being given to assist reference and demonstrate synthesis.

AM Mathematics
AMA (Common subdivisions) Forms: axioms ... theorems ... formulae ... proof ...
(Products) see under the generative operation, e.g., sum under Addition
AME (Operations and Methodologies)
AMF Elementary methods (school texts, etc.) ... classical ... descriptive
AMH Constructivism ... predicative methods ... recursion theory ...
AML Formal mathematics ... mathematical logic ...
(Types of methodologies by field from which derived)
AMN Arithmetical methods ... algebraic methods ... analytic methods
(Mathematical operations narrowly, mapping in broadest sense)
AMP Combination ... addition ... factorization ... root extraction ... differentiation
(Mathematical processes)
AMS Approximation ... continuation ... distribution ... interpolation ... perturbation
AN (Mathematical relations and correlated products)
ANC (General) Mappings ... functions ... forms (linear ... quadratic ... in several variables ...)
(Status and magnitude relations)
ANE Equations ... inequalities ... inverse ... complement ... proportion, ratio ...
(Spatial and location relations)
ANH Packing ... covering ... incidence ... embedding ... immersions ...
(Structural and compositional relations)
ANK Representations ... models ... infinitary logic ...
(Functional and associated relations)
ANN Homomorphisms ... meromorphisms ... homology ... homotropy ... isotropy ...
(Operational relations)
*Arising from an operation on the original structure
ANQ Transformations ... derivation ... extensions ... conjugates ...
AP (Mathematical properties)
APD (BY sign) Positive ...negative ... (By value) Absolute ... conditional ...
APE (By dimension) small ... 1-dimensional, linear ... 2-dimensional, planar ... n-dimensional
APF (By number of terms) Monomial ... binomial ... polynomial
APG (By degree of terms) Linear, first order ... quadratic, second order ...
APH (By number of variables) Binary ... (By degree of variables) Bilinear ...
(By other elements involved)
APJ Abstract ... standard ... mean ... complex ... rational ... Diophantine ... transcendental ...
APK (By range of application) Local ... p-adic ... universal
APL (By level of finiteness) Finite ... infinite
(By number of elements/operations) Discrete ...

Mathematics
(Mathematical properties)
(By number of elements/operations) Discrete
(Properties derived from other facets)
*When compounding, prefer Methodologies facet

APM F (By method) Elementary ... constructive ... recursive ... algebraic ...
P (By operation) Combinatorial ... additive ... radical ... differential ...
S (By process) Approximate ...
(By relation) Functional ... representative ... conjugate

APP (Entities) Scalar ... vector ... tensor ...
(Structural)

APQ Strong ... open ... smooth ... regular ... connected ... partial ... periodic ...
APR (By performance) Optimal ... invariant ... separable ... nil potent ...
APS (By fundamental laws) Associative ... commutative, Abelian ...
APT (Spatial) Proximity ... concave ... parallel ...
APU (Properties of space) Euclidian ... affine ... Riemannian ...
APV (Geometric) Plane ... orthogonal ... parabolic ...
APW (By motion) Rate ... dynamic ... kinematic ...
APX (By named person) Boolean ... Galois ... Lie ... Noether ...

AQ (Entities, elements, parts, subsystems)
(Entities)

AQE (By dimension) Scalars ... eigenvalues ... vectors
AQF (By form) Expressions ... spectra ... series ... sequences ...
AQG (By performance) Invariants ... variables
AQH (Operators) Identities ... functors ... (With values) Bases ... moduli
(Parts, elements)

AQJ (In mapping, function) Domain ... range ... boundary ...
AQK (Products of mapping, function) Solutions ... sums ... differences ...
radicals ... integrals ...

AQL (Structural elements) Structure ... extrema ... conditions ... connections ...
AQM (Spatial elements) Points ... coordinates ... spaces ... projectives ...

AR (Mathematical systems)
(Defined by earlier facets, used as specifiers)

ARM H (By operations/methods) Recursive systems ...
S (By processes) Approximate systems ...
ARN (By relations) Embedded values ...
ARP (By properties) Bilinear systems ...
(Reflecting recognised branches of mathematics, 'canonical' classes)

ART Sets ... Boolean algebra ...
ARV Arithmetic
(Parts, elements special to arithmetic)

ARW Fractions ... numeration systems (binary ...) ... Number theory ...
ARX Ordered structures ... ordered spaces ... lattices ... partially ordered systems
AT Algebra
ATG Algebraic structures
ATH Semigroups ... groups ... pseudogroups ... loops
ATK Rings ... fields ... categories .... vector spaces ...
ATP Algebras, linear algebras ... matrices ... Lie algebras
ATS Algebraic geometry ... surfaces ... varieties ... families ...

AU Geometry
AUQ (Structures and subsystems)

AUQ PE (By dimensions) 1-d, lines ... 2-d, planes ... 3-d, solids ... spaces ...
PJ Complex structures ... G-structures ... associations of structures ...
AUR (Types of geometry) manifolds
AUR MF (By property) Elementary ... Euclidian ... analytic ... differential ...
PG Linear ... finite ... projective ... affino .... symplectic
AUS Geometries ... abstract ... analytical ... combinatorial ... metric

```
          Mathematics
            Mathematical systems
              Reflecting recognised branches of mathematics, 'canonical' classes
                Geometry
                    Geometries ... abstract ... analytic ... combinatorial, metric ...

AV                  Topology
AVQ                   (Structures) Spaces ... analytic spaces ... maps ... manifolds ...
AVS                   Topologies: algebraic ... analytic ... combinatorial ... differential ...
AVZ                 (Probability) see Probability and statistics, AX
AW                  Analysis
AWM O                 (Methods) Calculus ...
    P                 (Operations) Differentiation ... integration ...
    S                 (Processes) Continuation ...
AWN                 (Relations)
AWN C                 Functions ... of a real variable ... of a complex variable ... real ...
    D                   Harmonic functions ...
    E                 Equations: integral ... differential ... functional ... transforms ...
AWP C               (Properties) Measure ... optimality ...
AWQ F               (Parts, elements) Series and sequences ... approximations ... operators ...
AWR                 (Types) Harmonic analysis ... functional analysis ... Fourier analysis ...
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AY Probability and Statistics (issued as penultimate draft, May 1972)

Jack Mills

UNREST AMONG THE EIGENVALUES

The classification of mathematics is a complicated task and existing schemes have received quite a lot of well-merited criticism, much of it comparing the Dewey and Library of Congress schemes unfavourably with that of the American Mathematical Society.

Barbara Kirsch Schaefer produced a Ph.D. thesis (Pittsburgh 1972) entitled 'Classification of the literature of mathematics: a comparative analysis of the American Mathematical Society and Library of Congress schemes.' Observing that both are based on literary warrant. she noted that while the former is a good organisation of the current literature (and correspondingly poor for older materials), the latter deals well with the older book-level material -- and is way behind the times as an accurate and helpful mapping of the mathematical concepts encountered nowadays. She also reviewed -- none too enthusiastically -- the 'Phoenix' schedule 510 in Dewey 18 (Library Resources and Technical Services, v.19, p.46-59, Winter 1975), and her book 'Using the mathematical literature' (M. Dekker, 1979) devotes a chapter to its organisation in libraries.

In Australia, J.W. McKinlay exposed the Dewey Phoenix 510 schedule to withering criticism and proposed some alternatives in his article 'Dewey and mathematics' (Australian Academic and Research Libraries, v.4, p.105-111, September 1973). A practical outcome of some of this thinking can be seen in the article by P.W. Donovan and others 'Mathematics in a major library using the Dewey Decimal Classification' (Aust. Acad. & Res. Libs., v.6, p.87-91, June 1975), which introduces a home-grown substitute derived from the American Mathematical Society's scheme and grafted onto Dewey's 51.

Nearer home, the article by W. Gödert 'Subject headings for mathematical literature' repays study (Journal of Documentation, v.36, p.11-23, March 1980). Despite the title, classification is constantly present, explicitly or implicitly. Herr Gödert would like to see PRECIS-style subject headings using the revised AMS scheme as a structured vocabulary.

None of these analyses, however, has looked at the subject in anything remotely approaching the depth indicated in the outline given on this and the preceding pages.

A.G.C.

DHSS-DATA THESAURUS

The Department of Health and Social Security (and its parent, the Ministry of Health) has long made use of the Bibliographic Classification in its library services. A modified and enlarged version of parts of the earlier edition was developed many years ago, and the special expansion of the old Hospitals class, HO, was quite widely known in British health librarianship circles. Apart from its obvious uses, it also functioned as the hidden classification behind the arrangement of the entries in Hospital Abstracts.

The Department's library staff have taken a keen interest in the revision of the Classification and their contribution to the development of BC2 -- primarily H and Q, but by no means limited to those classes -- cannot be overestimated. It is, moreover, continuing. They are well aware that the DHSS Library can only benefit from a good indexing and retrieval system.

DHSS-DATA Thesaurus, published this year, is a by-product of this work and also of the progressive computerisation of DHSS library and information systems. It has been developed to provide a controlled vocabulary for the Library's database. The subject coverage is very wide, concentrating naturally on health care and social welfare, but also including related aspects of psychology, education, sociology, politics, economics, management and technology. There are some 22,000 terms, of which about one third are non-preferred terms. A very large number of place names (especially in the UK) has been included, and all British area and district health authorities are listed.

The vocabulary and the relationships between the terms have been derived from the DHSS Library's in-house version of BC2, generally speaking. This version follows published and draft schedules of BC2 fairly closely; where no drafts existed (for example, for buildings and equipment in the Technology class), 'DHSS-Bliss' schedules were created, drawing on various sources and given an appropriate notation.

The bulk of the volume consists of a standard alphabetical thesaurus, printed three columns to each A4-size page (admirably clearly). Under each preferred term the usual listing of non-preferred, broader, narrower and related terms (UF, BT, NT, RT) as applicable is to be found, with occasional scope notes (SN). The unusual feature is the presence of the DHSS Library's classmark following each preferred term heading. BC2 users should note the caveat implicit in the last paragraph: the Thesaurus is not a substitute for the published volumes of BC2, nor a reliable index to them. The class numbers may be identical with those in BC2 (and often are), but they may also be slightly different or bear no resemblance at all.

This first working edition of the thesaurus contains no supplementary displays of terms (hierarchical, rotated, etc), but the compilers state that later editions may include a systematic display, derived from the DHSS classmarks for the terms appearing in the Thesaurus.

A distinctive feature of the Thesaurus is the presence of an appreciable number of 'factored' preferred terms. Despite a lengthy explanation in

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DHSS-DATA thesaurus : the thesaurus of the Department of Health and Social Security Library, London. -- Working ed. / compiled and edited by J. Aitchison, P.M.R. Brewin and J.E. Cotton. -- London : DHSS, 1985. -- xx, 513 p. ; 30cm. -- ISBN 0-948064-00-5

the Introduction, the usage may still strike some people as confusing. An example shows the method (I have changed the alphabetical order of the entries for purposes of demonstration):

(a) Hospital fire safety
  USE Hospital safety + fire safety

(b) FIRE SAFETY + HOSPITAL SAFETY
  HML B:UNV D
  SF Hospital safety + fire safety

(c) HOSPITAL SAFETY + FIRE SAFETY
  HML B:UNV D
  UF Hospital fire safety
  FT Fire safety + hospital safety

(a) is a straight reference from a non-preferred term to the preferred factored combination; (b) is a kind of reference from the 'non-preferred' combination, where SF = 'Start factor', i.e. the preferred order (although it would make no difference on line, B AND A being identical with A AND B); and (c) is the preferred combination order, matching the order of terms in the classmark used for monographs, where FT = 'Factor', i.e. the reciprocal or non-preferred combination.

I am not convinced that this complexity is either necessary or desirable. It is by no means obvious which is which out of (b) and (c), and FT and SF are decidedly unhelpful. If the distinction does not matter for retrieval purposes, why not treat them equally, with identical classmark and UF reference, and abandon FT and SF altogether? If, on the other hand, it <u>does</u> matter, then treating (b) like (a) would produce a simpler and more familiar result:

(b) Fire safety + hospital safety
  USE Hospital safety + fire safety

(c) HOSPITAL SAFETY + FIRE SAFETY
  HML B:UNV D
  UF Fire safety + hospital safety
  .. Hospital fire safety

Almost all these factored terms are matched by coloned classmarks, a practice long used by this library. (Compound terms represented by a main class plus a common subdivision are combined normally). The converse is by no means true: great numbers of compound (unfactored) terms are accompanied by coloned classmarks:

DENTAL REGISTERS
  HWK:HH3 JP

The Thesaurus proper is prefaced by a thirteen-page Introduction, dealing with its scope, sources, arrangement, use and conventions. The form and choice of terms follows the rules set out in BS 5723:1979, except for the use of the singular for parts of the body (the practice of MeSH). The Standard's rules for factoring terms are generally followed (p.xi-xiii), although it is unfortunate that the three rules are expressed in different forms and that the second omits a vital 'not'. Moreover, the example for the third rule should read 'where RECOVERY is the <u>in</u>transitive action'. Further on, in the examples of associative relationships, b) (v)

POISONS
  RT Toxicology

is another example of type b) (i), thing studied and its related field of study, not a concept related to its property, which would be Toxicity.

These, however, are very minor quibbles. This new cousin deserves a warm welcome into the Bliss family: long life and prosperity! It should prove invaluable to users of the DHSS-DATA database online and to all those working in the health and welfare field who want a reasonably detailed, up-to-date coverage without going into the minutiae of any one specialism. It will soon repay the £38.00 outlay. (It is also available on magnetic tape on request).

I have left the best till last. To order this 3 lb (1½ kg), 500-page volume, write to

Department of Health and Social Security (Leaflets)
P.O. Box 21
Stanmore
Middlesex HA7 1AY.

I await their first *book* with interest.

Tony Curwen

MISCELLANY

H or W? or, BC2 v. NLMC —

An article by Susan Bury, Librarian of the Haddon Library, Faculty of Archaeology and Anthropology, Cambridge, and BCA Committee member, was published last year in Health Libraries Review, v.1, p.179-190. Entitled 'National Library of Medicine Classification compared with Bliss class H', it reviews the two schemes systematically, using the twelve criteria elaborated by the author a few years ago. Thirteen moderately complex titles are classified by the two schemes, and finally the indexes are compared. Bliss is declared the winner on nearly every count.

The AGM and meeting of the National Library of Medicine User Group held on 15 May 1984 is reported in Health Libraries Review, v.2, p.81+ The AGM was followed by a couple of presentations, of which "the first could be described (by some) as a battle of Titans", as the reporter, Fiona Mackay Picken put it. Tony King expounded the history and virtues of NLMC; he was followed by Jack Mills "in cracking form", who analysed NLMC systematically, demonstrating the superiority of Bliss convincingly. The ensuing discussion revealed differing approaches to reader assistance and inadequate knowledge of the use of either one scheme by those who used the other. NLMC users, in particular, relied heavily on MeSH for the detailed analysis which in Bliss is built into the classification.

The Classification of the Social Sciences

Jack Mills contributed an article with this title to ASSIGnation, the Aslib Social Sciences Information Group Newsletter (v.2, no.2, p.2-7, January 1985). It can be highly recommended as a very clear and concise summary of the general principles of faceted classification with particular reference to -- and examples from -- the social sciences, together with a useful discussion of the scope of 'Social sciences' in a general classification (e.g., should Linguistics, Law, Social pathology, etc. be included?). It is, in effect, the most condensed introduction to Class K available. Amazingly, Jack never mentions Bliss once in the entire text, if one excepts an oblique reference in the last sentence which leads to a bibliographic footnote.

ADDITIONS AND AMENDMENTS TO BC2

INTRODUCTION AND AUXILIARY SCHEDULES

Auxiliary Schedule 1A: Persons

p.125 SX — Insert after SX and align with 'Exceptionally ...':

SXT Heroes

Auxiliary Schedule 2: Place

p.135 EDX F — Insert notation after EDX F and amend heading:

EDX G Middlesex (former county); Greater London, North West

EEH P — Insert after EEH P and align with 'Reigate':

EEH Q Tandridge

EEL G — For Arum read Arun

EEV J — Insert after EEV J and indent one space to right of 'Swale':

EEV K Isle of Sheppey

p.136 EGE C — For Bedford read North Bedfordshire

EGJ J — For Beaconsfield read South Bucks (former Beaconsfield)

EGR/EGS — Delete and replace by the following:

EGR	Hampshire (county)		[unaltered]
EGS C	Rushmoor		[unaltered]
E	Hart		[name corrected]
G	Basingstoke and Deane		[" "]
J	East Hampshire	[formerly EGS N; includes Petersfield	]
L	Winchester		[unaltered]
P	Test Valley		[edented]
R	New Forest		[edented]

EHY — Add to heading:

, Wessex

EJH N — Amend to read:

Tiverton and Mid Devon

EJR H — For Deare read Deane

p.137 ELS — Amend to read:

Shropshire (Salop) (county)

ELT G — Amend to read:

Shrewsbury and Atcham

EMJ E — Amend to read:

Nuneaton and Bedworth

EML — Add to heading:

, Trent basin

EPJ N — Amend to read:

Great Grimsby

EPJ V — Amend to read:

East Yorkshire (former North Wolds)

p.138 EPW W — Insert below EPW W and align with 'Cumbria':

EPY Solway Firth

* Alternative is ETB Y

EQW C — Amend to read:

Ellesmere Port and Neston

EQW G — For Warmington read Warrington

EQX S — Amend to read:

Shropshire (Salop) (county)

p.138 ERE P — For Rhuddan read Rhuddlan

ERF — For Gwynnedd read Gwynedd

ERG G — For Anfon read Arfon

R — For Meironnydd read Meirionnydd

ERM R — For Llannelli read Llanelli

ERS E — For Rhonddha read Rhondda

ERW J — For Blaenan read Blaenau

L — For Torfden read Torfaen

ESE — Add to heading:

, Firth of Forth

ETB — Insert below ETB and align with 'Dumfriesshire':

ETB Y Solway Firth

* Alternative is EPY

ETF — Add to heading:

, Firth of Clyde

p.147 M — Add to heading:

, Nordic countries

MCU/MCX — Delete and replace by the following:

MCU	Fyns county	)	Corrected sequence,
MCV	Langeland Island	)	headings,
MCW	Fyn (Funen) Island	)	subordination
MCX B	Svendborg (former county)	)	and spellings
H	Odense (former county)		[unaltered]
P	Assens (former county)		[unaltered]

p.148 MRY — For Koppaberg read Kopparberg

MUL — Add note:

* For Karelia in Soviet Union, see NNQ

p.149 NNQ — Add note:

* For Finnish Karelia, see MUL

p.152 PYV — Insert after PYV and align with 'South Asia':

(Indian Ocean) see VW — [No notation in notation column]

QV — Insert after QV and align with 'Katmandu':

QVL Ladakh

p.154 TDF — Delete Republic of Vietnam

TDH — Amend heading to read:

Ho Chi Minh City (former Saigon)

TDN — Delete Democratic Republic of Vietnam

TDR — Insert after TDR and align with 'Hanoi':

TDS Vinh

p.155 UKV — Insert after UKV and align with 'Cloncurry':

UL Cape York

UM Torres Strait

UPK — For Gloncurry read Cloncurry

Insert after UPK and indent one space to right of 'Darwin':

UPL Groote Eylandt

p.156 VAX — Insert after VAX and align with 'Libyan Desert':

VB North West Africa, Maghreb

p.157 VEX — (first occurrence) for VEX read VEW X

(second occurrence) add to heading:

, Sub-Saharan Africa

p.157 VGK R — Insert below VGK R and align with 'Mali':

VGL S Sahel

p.159 VPO — Add to heading:

(former Bechuanaland)

VRR — Amend heading to read:

Zimbabwe (former Rhodesia)

VRS — Amend heading to read:

Harare (former Salisbury)

p.160 VUF P — Amend heading to read:

West Mende

VUG M — For Muberde read Mubende

P — Amend heading to read:

East Mende

VUY — Add to heading:

, Horn of Africa

p.161 WW — Add to heading:

, Circumpolar regions

p.168 ZDE — Add to heading:

, Caribbean Sea

ZDP X — Delete classmark and heading

p.169 ZKG F — Insert after ZKG F and align with 'Cesar':

ZKG K Sierra Nevada de Santa Maria

Index

Insert the following:

p.172	Circumpolar regions	WW
	Fiji	TT
	Hawaii	TYD
	Maghreb	VB
	Nordic countries	M
p.173	Sub-Saharan Africa	VEX

Auxiliary Schedule 3A: Ethnic groups

p.186 BL — Add to heading:

, Blacks

p.187 NL — Insert after NL and indent one place to right of 'Arabs':

NLF Bedouin

CLASS H: ANTHROPOLOGY, HUMAN BIOLOGY, HEALTH SCIENCES

p. 23 HFD F — Add to heading:

, auxology

p. 25 HFL K — Add to heading:

, gerontology

p.117 HPA — Insert above HPA and align with 'Pathology':

HP7 Palaeopathology

p.118 HPJ FT — Insert after HPJ FT and align with 'Antitoxins':

HPJ FY Monoclonal antibodies

p.143 HSU Q Insert after HSU Q and align with 'Antibody':

HSU QQ Acquired immune deficiency syndrome, AIDS

p.188 HVC IS Insert after HVC IS and align with 'Time, ...':

HVC IT Sense of direction, magnetic sense

p.221 HWO W JR Insert after HWO W JR and align with 'torus palatinus':

W JT Torus mandibularis

Index

Correct classmark:

p.261	Birth control methods	HXB FY

Insert the following:

p.254	Acquired immune deficiency syndrome	HSU QQ
p.256	AIDS	HSU QQ
p.259	Auxology	HFD F
p.271	Direction, Sense of	HVC IT
p.280	Gerontology	HFL K
p.292	Magnetic sense	HVC IT
p.293	Medical profession	HHH
p.295	Monoclonal antibodies	HPJ FY
p.299	Ontogeny (anthropogeny)	HFD
p.300	Palaeopathology	HP7
p.320	Torus mandibularis	HWO W JT
p.324	Vitamin D deficiency	HTL OPV XE

CLASS I: PSYCHOLOGY AND PSYCHIATRY

p. 7 IDX L Insert after IDX L and align with 'Time perception':

IDX N Sense of direction, magnetic sense

p. 19 INQ G Add to heading:

, helping

IOP O Add to heading:

, gaze

p. 20 IOR W Insert after IOR W and align with 'Linguistics':

IOR X Reading, literacy

p. 26 ISQ H Add to heading:

, therapeutic discourse

p. 27 ISU V Insert after ISU V and align with 'Client- ...':

ISU W Self-therapy

Index

Insert, delete or amend the following:

p. 42		Direction, Sense of	IDX N
p. 44	delete	Evolutionary psychology	IOM
		Existentialism	
		amend classmark:	IAC V
p. 45		Gaze	IOP O
p. 46	for	Helpfulness read Helplessness	
p. 49		Literacy	IOR X
p. 50		Magnetic sense	IDX N
p. 56		Reading	IOR W
p. 58		Self-therapy	ISU W
p. 60		Therapeutic discourse	ISQ H

CLASS K: SOCIETY

p.x 4.2 (2nd line) for cahpters read chapters

p.xi 5.24 (5th line) for isntitution read institution

p.xiii 7.14 (1st line) for concete read concrete

p.xxiii
12.72 (1st paragraph, 7th & 8th lines) Replace the existing text by:

should be used (with the intercalator 28 -- or occasionally 4 -- as described at KV) e.g. status and role among adolescents in Manchester, KVEB NR KM 28 EQR.

(2nd paragraph, 2nd line) for KMW 4V read KMW 28V

p.xxvii
13.3(1) Comment (1) for KLD read KLC

p. 14 K9Q TB Add to heading:

, Social Darwinism

p. 15 K9W RY Add to heading:

, semantic anthropology

p. 19 KAT PF For KAP P following KAT PF read KAT PP

p. 29 KCT VS Insert after KCT VS:

KCT W Continuity

p. 39 KFX V Insert after KFX V:

KFX X Personal relationships,
. . . . interpersonal relationships

p. 41 KGT/KGU In note, for KS6 T read KSG T

p. 45 KIG P Add to heading:

, resistance

p. 47 KIT U Insert after KIT U:

KIT V . Ghettos
. . . * For residential segregation, see KAH MR

p. 54 KLI HJ Add to example:

, lace

p. 62 KMU RBV Insert after KMU RBV notation RT opposite '(Agricultural communities)'

KMU T Insert after KMU T:

KMU TRL . . . Street communities

p. 69 KOR B (1st note, 1st sentence) Replace the existing text by:

* This takes literature on persons who for any reason move from one place to another and especially those who leave a country, temporarily or permanently.

Insert after KOR B:

KOR D . . Internal migrants (general)
. . . * See also Itinerant workers KOF KJ

p. 70 KPD FE Insert after KPD FE:

KPD FIL . (Inter-ethnic relations)

p. 77 KQJ GM for GM read GQ

KQJ GQF BF Insert after KQJ GQF BF:

KQJ GSX . . . Head of household
GSX NW. . . . (Women)

p. 93 KSL FJ Add to heading:

, traditional medicine, folk medicine

p. 94 KSL IU Insert after KSL IU:

KSL IY Dance

KSL LFV Insert after KSL LFV:

KSL LI . . Trade

p. 95 KSL OK Add note:

. . . * But pottery see manufactures KSL YP

KSL OM Insert after KSL OM:

KSL OMM S . . . (Blacksmithery)

KSL PJ Insert after KSL PJ:

KSL PJN . . . (Woodcarving)

p. 96 KSL YO Insert after KSL YO:

KSL YP . . . Pottery
YPM R . . . . (Pottery making)

p. 99 KSX N Add to heading:

, agrarian society

KT Insert above KT:

KT5 . (By physiographic area)
. . Add to KT numbers 5/7 and letter A
. . from Schedule 2.
. . * To qualify further a classmark so
. . derived proceed as follows:
. . Add to — (where hyphen represents
. . the classmark) letters A/X following
. . KS in KSA/KSX.
. . If — is already followed by
. . enumerated subclasses, use the
. . numeral intercalators given
. . at KV.

KT For KT read KTB

p.100 KUL Amend 'Add' instructions:

. . Add to KUL letters S/X following KR in KRS/KRX except for KRV PA/KRV PB.
. . * For modern societies defined by
. . dominant religion see KUV.

KUT Insert after KUT:

KUV . (By dominant religion)
. Add to KUV letters A/BA following KP
. in KPA/KPB A, — e.g. denominational
. societies KUV AS
. Add to KUV letters G/P following P,
. — e.g. Islamic society KUV V.
. * For religious groups see KPA.

KUX Add to heading:

, polyethnic

p.108 KWM P Add to heading:

, geomancy

Index

Insert or amend the following:

p.135		Change insert subhead & notation:	insert notation: clothing	KCE KLH NM
p.136		Community insert subhead & notation:	delete notation: development	KLH NM KMT CP
p.137	insert:	Continuity		KCT W
p.138	insert:	Cosmology Non-literate societies		KSJ W
p.139	insert:	Dance		KSL IY
	insert:	Darwinism, Social		K9Q TB

p.139	insert:	Death Customs, etc		KXG W
	amend:	Deaths Mortality & morbidity		KBF
p.144		Folk insert subheads & notations:	medicine religion	KSL FJ KWL
p.145	insert	Geomancy		KXM P
	insert:	Ghettos		KIT V
p.146		Head amend 4th subhead & notation:	of household	KQJ GSX
p.147	insert:	Inequality		KKN Q
p.148	Top half of column 1 (from Inter subject replication to Intercultural) to change places with the bottom half.			
		Internal insert subhead & notation:	migrants	KOR D
		Interpersonal insert subhead & notation:	relationships	KFX X
p.151	Columns 1 and 2 to change places.			
p.155		Personal relationships	add notation: ,	KFX X
p.156	insert:	Polyethnic societies		KUX
	insert:	Pottery		KSL P
		Power	insert notation:	KGM
p.159	insert:	Resistance		KIG P
p.160	insert:	Semantic anthropology		K9W RY
p.161		Sex insert subhead & notation:	roles	KNV KP
		Social insert subhead & notation:	Darwinism	K9Q TB
p.163		Street insert subhead & notation:	communities	KMU TRL
p.164	insert:	Theorists		K9T
p.165		Trade	insert notation:	KSL LI
		Traditional insert subhead & notation:	medicine	KSL FJ

CLASS Q: SOCIAL WELFARE

p. 1 QAM X — Insert after QAM X and align with 'Licensing':

QAM XP	Inspection
XP5 J	Inspectorates (i.e. official organisations)

p. 3 QDD P — Insert after QDD P and align with 'Division of loyalties':

QDD PT	Disruption of relations, breakdown of client-worker relations

QDL P — Insert after QDL P and align with 'Conferences':

QDL Q	Reviews, statutory reviews

QDR — Insert 2nd note:

* For disruption of client-social worker relations, see QDD PT

p. 4 QEK — For QEK read QEJ T

Insert after QEK and align with 'Institutional, residential care':

QEK S	Short term care
T	Long term care