

# The Bliss Classification Bulletin

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Note: Additions and amendments are printed on ONE side of the paper.  
Pages 16, 18, 20, 22, 24, 26, 28, 30 and 32 are intentionally BLANK.

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## EDITORIAL

The most important development in recent months has been the long-heralded appearance of Class T: Economics; Management of economic enterprises. Not quite as large as Class H, it nevertheless continues the policy of providing a very full vocabulary indeed, which classifiers and thesaurus-makers may use as specifically or as broadly as they require. The detail is there, and can be ignored if it is not needed: it is far more difficult to add to a relatively sketchy schedule. (It is also highly likely that different users would arrive at slightly different answers for the same topics, even if the logical analysis and structure of the scheme would lead them to the right area in the schedule).

Users will be struck first of all by further changes in the style of presentation, reflecting Colin Neilson's ingenuity and mastery of the microcomputer and also the increasingly refined software which is available for use on our machines these days. We have experimented with several styles over the years, and we feel we may now be close to our definitive version. We shall be inter-

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

ested to hear your comments on all aspects of the schedules: intellectual organisation, vocabulary and physical presentation.

We have come a long way in the past ten years, from Class J: Education, with its grey print and 13 pages of schedule, through Class H (1980), with the same print style (but blacker!), classmarks experimentally displayed in 'logical blocks' rather than in arbitrary groups of three characters, and some 250 pages of schedules:

[Government, structure of educational institutions]	[Regions]
[Finance]	[Head & trunk]
[Local, block grants]	[Trunk]
Other, private incomes	[Interscapular region]
JDG P	HTG O
JDG Q	Chest, thorax, pectoral region
JDG R	(Thoracoscopy)
JDG S	(Thoracic surgery)
JDG T	See also Heart surgery HUH GL & Lung
JDG V	surgery HWH GL
JDG W	(Neonatal abnormalities)
Expenditure, purchase	Funnel chest, funnel breast
Insurance	O OJ
(In relation to students) see JGB DS	OR
JDH B	OT
JDH E	P
Communication services	Thoracic cavity
Office, clerical services	Thoracic wall
	Mediastinum

to Class K (1984), which saw the introduction of dots used both as lead lines and indentation markers, and Class T (1987) with a variety of type sizes and proportional spacing:

[SOCIAL PHENOMENA]  
 [POPULATION]  
 [(Influencing factors)]  
 [(Internal)]  
 [(Statistics)]  
 [Registration & certification]  
 [Registration]

KBB GJ . . . Population register  
 GN . . . Civil registration  
 GP . . . Continuous registration

(General properties)  
 J . Rate  
 JL . . Corrected rate

[ECONOMIC RESOURCES TK]  
 [HUMAN RESOURCES TL]  
 [(Types of workforce)]  
 [(By employer/employee status)]  
 ..[Employers TLXH]  
 ...[Managers TLXJ]

.... \* Add to TLX J letters C/Y following TLV  
 .... \* Add to TLX K letters B/Y following TLW.  
 ..Self-employed persons

TLX L

What next? Class A, another assemblage of related but distinct areas - Philosophy, Logic, Mathematics and Statistics - is complete, and should shortly be on its way to Butterworths. Two more volumes are planned for 1988: Classes R/S (Politics, Law), which will complete the central social sciences block in the classification, and Classes E/GQ (Biological sciences). The latter, it should be noted, exclude Applied biology - agriculture, animal exploitation, veterinary medicine, and general and human ecology - which will be published as a separate volume, GR/GZ.

Sadly, all is not gain. The passing years take their inevitable toll, and we have to say farewell to old friends. Many readers will already have heard of the death of Clifford Freeman on 8 May 1987. He was one of our pioneers: a great advocate and staunch supporter of the Bliss Bibliographic Classification and an invaluable member of the Committee of the BCA and its predecessor for many years. A notice by his successor at the University of Hull Institute of Education, John F. Hooton, may be found in *Library Association Record* 89 (7), July 1987, p.321. In this issue of the *Bulletin* there is a personal and deeply felt tribute from Clifford Freeman's colleague, Graham Geoghegan, Librarian of the Institute of Education at the University of Reading until his retirement a year ago.

But we must press on. All offers of help, all constructive criticism, and all information about likely sources of funding will be most welcome!

Tony Curwen

P.S. The fact that I have just bought a car with a BCA registration mark really is entirely fortuitous, whatever anybody says.

BLISS CLASSIFICATION ASSOCIATION

MINUTES of the ANNUAL GENERAL MEETING of the Bliss Classification Association held on Monday 15 December 1986 at the King's Fund Centre, London, at 2.15 pm.

Present: Jack Mills (Chairman, and Editor of BC2)  
Jean Aitchison (Independent consultant)  
Ken Best (Personal member)  
Peter Boaden (University of London Library)  
Suzanne Burge (OPCS Library)  
Susan Bury (Haddon Library, Cambridge)  
Madeleine Carrington (OPCS Library)  
Keith Cheyney (Haberdashers' Aske's Boys School)  
Sue Cook (King's Fund Centre)  
James Cowan (Computercraft Ltd.)  
Margaret Cranmer (Rowe Music Library, King's College, Cambridge)  
Tony Curwen (College of Librarianship Wales)  
Ed Dua (DHSS Library)  
Angela Haselton (Tavistock Joint Library)  
Roger Hughes (Commonwealth Institute)  
Marion MacLeod (Fitzwilliam College, Cambridge)  
Colin Neilson (National Association of Citizens Advice Bureaux)  
Chris Preddle (Library Association Publishing)  
Elizabeth Russell (King's College, Cambridge)  
Hilda Stoddard (Chester College)

Apologies: Debbie Cowley (Central Council for Education and Training in Social Work)  
Jean Harding (National Institute for Social Work)  
David Potter (Dr Barnardo's)  
Giustina Ryan (National Institute for Social Work)

Sue Cook welcomed members to the King's Fund Centre.

1 The minutes of the annual general meeting held on 16 December 1985 were approved.

2 Re minute 2.1 of 16 Dec 1985: The Chairman reported that a reply from the Association to Arthur Maltby's review of Class K had been published in Journal of Documentation 42(1) March 1986 p47.  
Re minute 5.1: Colin Neilson reported that proposals had still to be made to Butterworths for the book on classification based on the Introduction to BC2.

### 3 Progress of BC2: Editor's report

3.1 Class T would be published in January 1987. The text had been complete at the end of 1985, but production problems and corrections to the schedules had delayed delivery of the copy until August 1986.

3.2 Class A should be delivered to Butterworths in Spring 1987. Philosophy was very nearly finished; Logic was finished and partly input; for Statistics and Probability a referee's report was still awaited. Mathematics had been the most difficult class because of its unusual structure; the branches of mathematics had all their detail brought down from preliminary common facets. Referees for Mathematics had been slow to respond, but the schedules were now nearly all finalised. The index to the volume had still to be produced.

### 3.3 Other classes

- B: Will be finalised by Eric Coates when he finishes Technology, and published in the same volume as C.
- C: Vanda Broughton is just beginning the final revision, which should be completed by the end of 1987. Chemical Technology will be with the rest of technology in U/V.
- E/G: Applied Biology, now completed by Vanda Broughton, will be located in G, at the end of the Pure Biology penultimate draft. The whole class is being input at the PNL and the task should be finished by the end of 1987.
- R/S: The Editor has begun the revision of Law, which will be much more detailed than the existing draft. The combined class R/S should be delivered to Butterworths in 1987.
- U/V: The grant from the Leverhulme Trust came to an end in December 1986, but the Association naturally continues to support Eric Coates's work. The schedules should be finished about April 1987; the notation and refereeing should be completed by the end of 1987.

3.4 Colin Neilson reported to the meeting as manager of the physical production process. The computer programs were now working well; he would be pleased to demonstrate them on request. Recent published classes of BC2 were in machine-readable form and could be tailored to the needs of individual purchasers. Camera-ready copy now being produced by the programs almost matched the standard of typeset material; examples were circulated to the meeting.

### 4 Finance and membership: Treasurer's report

4.1 The accounts for the year ending 31 July 1986 were circulated to the meeting. The decline in the Association's financial position since 1984/85 was due to expenditure on computer hardware and software for Class T, to the expiration of grants, and to a loss of subscriptions as a result of resignations and late payment. A covenanted payment of £1500 to the Appeal Fund, due in 1985/86, had been received in August and so had to appear as a creditor. Payments from the Cohen Foundation grant were for the compilation and production of Class A. Royalties had risen since the publication of Class K.

4.2 A statement of BC2 sales to the end of 1985 was circulated to the meeting. Figures to July 1986 were unavailable because of a computer failure at Butterworths. The paperback reprint of the Introduction was selling well.

4.3 Membership of the Association had declined to 101. Resignations in 1986 included several British schools of librarianship.

5 Ken Best was elected auditor for 1987.

## 6 Publicity for BC2

6.1 The Publicity Officer reported that the short course held in December 1985 had been well attended, and another would be held in December 1987. Jean Aitchison's recent article on BC2 as a source for a thesaurus (*Journal of Documentation* 42(3) Sept 1986 p160-181) constituted major publicity for the scheme; the same journal would also be carrying an advertisement for BC2. Butterworths had been supplied with copy for a new leaflet advertising BC2 and the BCA and for the press release for Class T. The Publicity Officer would also identify business libraries to whom to advertise both T and the next short course. Butterworths would exhibit BC2 at the IFLA Conference at Brighton in August 1987.

6.2 The Chairman reported that the recent European Conference of Medical Libraries in Brussels had not accepted a paper on BC2, probably because the Association had applied very late. Members of the Association were requested to inform the committee in good time of any other suitable conferences that should come to their notice.

7 Peter Boaden, Madeleine Carrington, Ed Dua and Marion MacLeod were elected to the committee for 1987-1989.

## 8 Other business

8.1 The Chairman asked the meeting to send proposals for amendments to the published classes, and especially suggestions for the addition of new terms and subjects, to Susan Bury (Haddon Library, Faculty of Archaeology and Anthropology, Downing Street, Cambridge, CB2 3DZ).

8.2 The meeting passed a vote of thanks to Graham Geoghegan for his many years of service to the Association and to the committee. Graham retired from the committee during 1986.

8.3 In reply to a question the Secretary confirmed that the Introduction and class volumes of BC2 will be kept in print by Butterworths.

BLISS CLASSIFICATION ASSOCIATION CONSOLIDATED RECEIPTS AND PAYMENTS FOR THE YEAR ENDING 31st July 1986

<u>1985</u>	<u>RECEIPTS</u>	<u>1986</u>	<u>1985</u>	<u>PAYMENTS</u>	<u>1986</u>
	Balances forward 1st August 1986		205.05	Committee expenses	178.20
559.46	General account 1303.24		64.30	Stationery & postage	88.72
16025.48	Appeal account 17022.04	18325.28		2nd edition expenses	
	Subscriptions			Payments from J.S. Cohen grant	6209.31
30.00	Personal 25.00			Computer equipment	80.59
17.00	Schools 20.00			Work on class T	2344.11
897.79	Other institutions 704.60	749.60	7619.91	Work on class U	42.05
	Sales of the Bulletin	8.00		Other payments	90.38
108.59	Butterworth's royalties on 2nd edition	788.20		Balance in hand at 31st July 1986	
	Distribution for M&G (Charibond)	86.78	173.63	General current account	199.05
86.78			1129.61	General deposit account	1914.58
	BCA Appeal contributions	2785.80	17022.04	Appeal account	13050.05
7801.88				Creditors	1500.00
	Interest payments				
57.24	Deposit account 104.60		26270.54		25697.98
686.32	Appeal account 1273.78	1378.38			
	Banking error	00.00			
10.00	Other receipts	75.00			
00.00	Creditors	1500.00			
<u>26270.54</u>		<u>25697.98</u>			

Current assets at 31.7.86

	<u>1985</u>		<u>1986</u>
Marion MacLeod	800.13	Charibond (at cost)	800.13
	1303.24	Cash in general accounts	2113.63
Hon. Treasurer	17022.04	Cash in Appeal account	13050.05
6 Gilbert Close			
Cambridge	19125.41		15963.81
CB4 3HR			

Auditor's Report

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

K. Best

Hon. Auditor  
19.11.86

12 Lynwood Gardens  
Hook, Basingstoke  
Hants, RG27 9DT

CLIFFORD FREEMAN

John Hooton, for many years Clifford Freeman's assistant at the University of Hull Institute of Education Library and his successor when Clifford retired in 1977, had the sad task of informing colleagues of Clifford's death in May 1987 at the age of 72.

When I took over the Library of the Institute of Education at the University of Reading in the mid-sixties I found I had come to a library which used the Bliss Bibliographic Classification for the arrangement of its collections. At that time, Bliss was to me a scheme which had been given a brief mention at library school, but which had only been seen in practical use once during a brief visit to the Institute of Education Library at Leicester. In my attempts to come to grips with Bliss, I soon discovered that of the twenty or so Institute of Education libraries which had sprung up around 1950, about a dozen, like Reading, used the Bliss scheme.

Over the years, I have often wondered, but never really discovered, whether the use of Bliss by so many of this small but coherent group of libraries was entirely fortuitous or whether there was some degree of collusion between their pioneering librarians. Whatever the reason, I feel sure that the influence of Clifford Freeman on the decision, whether individual or collective, would have been considerable. For Clifford, in those early post-war years, was an ardent supporter of Bliss and his Bibliographic Classification.

He it was to whom I would turn at meetings of LISE librarians, or sometimes by correspondence, for help and advice about the practical use of Bliss (usually Class J). Always he was most helpful and willing to pass on to others the benefit of his own experience, and I was grateful to him for allowing me to adopt at Reading some of the modifications and expansions which he had devised for use in his own library.

His knowledge of Bliss was profound and was put to good use when in the mid-sixties he prepared an abridged edition of the scheme for use in British schools.

Clifford served the BCA well during his professional career and for many years worked hard for the Association as an esteemed member of its Committee from its establishment in May 1967, having previously been a member of its predecessor, the British Committee for the Bliss Classification.

To me, and I suspect to others, Clifford was something of a father figure to whom we could look for wise advice, not only in the context of Bliss, but in the field of education librarianship generally. Discussions in committee would often be resolved by words of wisdom uttered in Clifford's characteristic quietly spoken and unassuming manner.

For some thirty years, he played a great part in pioneering the use of Bliss and gave his whole-hearted support to the furtherance of the scheme and the work of the Association. I understand that, sadly, his retirement years were dogged by poor health. May he now find deserved repose in a greater bliss after his labours on earth.

Graham W. Geoghegan

BC2 Libraries : THE USE OF BLISS AT CCETSW

The Central Council for Education and Training in Social Work is an independent body set up by Parliament to validate, develop and promote education and training for the personal social services in the United Kingdom. It has about 200 members of staff located in two London offices and four other regional offices in Edinburgh, Bristol, Rugby and Leeds; there are also small offices in Cardiff and Belfast.

The Library forms part of the Information Service and was established at the same time as the organisation to provide a service to staff carrying out the work of the Council. However, a professional librarian was not appointed until 1982. It is not open to the public (including students, teachers or social workers) unless they are engaged in research specifically concerning personal social services education and training. We do, however, lend items on inter-library loan.

There is a stock of about 6000 books and pamphlets and we subscribe to about 250 periodicals. (200 of the latter are kept for only two years and are then discarded). We also maintain files of external circulars and press releases relevant to the work of CCETSW.

Most of the stock falls under the subjects of social welfare and education, plus small sections on information, health, psychology, sociology, public administration and management. There is no collection of teaching materials, but guides to such materials, publishers' catalogues and so on are collected.

The regional offices maintain small locally administered collections of books and pamphlets and subscribe to a handful of key periodicals each. Their main information needs are met through the Central Office library which sends out copies of the contents lists of all periodicals received, weekly, provides a photocopying service, responds to written and telephone enquiries and lends books either from stock or via inter-library loan.

On the whole staff use the library by sending in requests and queries rather than by visiting personally and helping themselves. They generally need succinct and factual information on policies, statutory requirements and leading areas and directions of research and practice, rather than lengthy discursive material. The collection therefore contains many discussion and policy documents, digests of research and state-of-the-art reviews, codes of practice, committee reports, statutes and so on. More reflective material is often borrowed on inter-library loan, a heavily used service.

The library produces monthly lists of new acquisitions, bibliographies compiled, and circulars and press notices received. Press cuttings are circulated from elsewhere in the Information Service, but indexes to them and to circulars and press notices received are provided in the library.

The library is pleasantly furnished with purpose-built wooden shelving, racks and catalogue cabinets, a small sitting area where newspapers are provided, and a table with study room for four. The overall effect is



unfortunately rather spoiled by the combined problems of limited time and space. Lack of time to undertake a proper weeding programme has led to inflation of the stock, so the shelves are packed. The inevitable cataloguing backlog festoons the library with cardboard boxes and absorbs the study space when it is used as an extra 'do not disturb' desk for cataloguing!

As far as 'new technology' is concerned our main asset is the use of the Wordplex 84 Winchester in the typing pool. We have no computer or microfiche reader yet and CCETSW has no fax machine.

When I arrived in 1982 the books were arranged in broad subject order (with some sections arranged by publisher or place of publication). BC2 had been chosen, following a visit from Jack Mills, as a source of terms and to give a shelving order. Each item was classified by only one facet and the corresponding Bliss notation was used for the shelf mark. The stock was catalogued by what appeared to be AACR1 with title and first author as access points and, in the subject catalogue, simple subject terms in natural language.

Entries in the subject catalogue had been suspended for the previous two years and no cataloguing rules were available, so it was decided to catalogue all new items by AACR2 and classify them fully using BC2 and provide a multiple entry classified catalogue. Some people hold that in a small collection it is wasteful to provide many access points for each item because the smaller numbers make cruder groups of items easy to scan for those you want. I decided, however, that with such a narrow subject coverage and a need for high speed individual service, high precision was particularly important. In the author/title catalogue we have no main entry and use our own set of house rules for headings of added entries. Access points are provided for title, first, second and third authors, series, 'significant' publishers and chairpersons.

The filing order in the classified catalogue varies from that recommended in the Introduction to BC2. Instead of rotating the elements, each element of the classmark is brought to the front in turn, followed by a hyphen and then the whole classmark. This preserves the preferred citation order and works well for us. This system was suggested to us by Robin Bonner, to whom we are very grateful.

We do not limit classmarks at all, using as many characters as necessary for full expression of the subject. However, for the shelf marks we use a maximum of nine characters arranged in three groups of three. In a collection of our size this provides quite enough detail for a useful shelving order and makes the shelf marks easier to remember.

The alphabetical subject index is produced in bound printed list form on the Wordplex and is updated regularly. An additional version sorted by notation instead of terms provides our authority 'file'.

As there is not much direct use of the library the multiple entry classified catalogue is most satisfactory. The extra step from term to notation is well worth it for the access to the logical arrangement which

allows such excellent browsing facilities. I must admit that readers generally find it rather daunting, but this is true even of the author/title catalogue - they almost always prefer to go straight to the shelves! I usually try to discuss the nature of their enquiries with people coming into the library and am therefore able to help them with the catalogue if necessary. We have produced printed guides to using the catalogue for different purposes but unfortunately these are now rather out of date.

We find BC2's Class Q schedule excellent and any criticisms are not significant. The Class J schedule, however, is not as satisfactory. In particular it seems to be biased (in common with other British information aids in education) in favour of the 'normal' progression of a liberal education - from nursery, through primary and secondary schools and then on to higher education. The areas of vocational and continuing education appear to be marginalised and are not always well described for our purposes. I look forward to the publication of the revised edition of Class J at present in preparation and hope that it will deal more completely with these areas.

In 1983 it was agreed that the complete collection should be catalogued. Financial constraints meant that we had only a few months to carry out the work. Within a few weeks we had appointed three additional cataloguers and set to work. The first week was spent in training them to use BC2 and the second in sticking all the amendments into their BC2 schedules! It was at the beginning of the cataloguing project that it was decided not only to produce all the catalogue cards on the Wordplex but to store the records on floppy discs as well. We thought that we should take the opportunity to store all the new work in machine readable form so that, using an emulator and special software, the records can be copied over and reformatted for use on a computer if and when it arrives. In the meantime, because of the sophistication of the Wordplex, the records can be used for a few additional administrative purposes.

By the end of the period most of the items had been catalogued and I was planning to write an article on how to set up and complete a cataloguing project in five months - however, the tail end of it is still with me three years later! In particular, inconsistencies in the catalogue and the subject index have yet to be ironed out. Also, importantly, subject guide cards need to be inserted in the classified sequence and 'see also' references included in the subject index.

Bliss Bibliographic Classification has proved an excellent tool for organising this highly specialised collection and we look forward to new developments with keen anticipation.

DEBBIE COWLEY  
Librarian (Member, BCA Committee 1986-88)

MULTIPLE-ENTRY CLASSIFIED CATALOGUES USING BC2

The preceding article by Debbie Cowley refers to two techniques for compiling multiple-entry classified catalogues. The first is the one discussed in the Introduction to BC2 (Section 7.62, pages 87-90). In essence this consists of entries formed by rotating the constituent elements of the classmark, each element being indexed independently. Thus a document on Assertiveness (IKL DR) observed among Physically-handicapped (IMU Q) Adolescents (IMR), which would normally be given the synthesised classmark IMU QMR KLD R, would instead receive three entries:

IKLDR-IMUQ-IMR (3-1-2)  
IMR-IKLDLDR-IMUQ (2-3-1)  
and IMUQ-IMR-IKLDLDR (1-2-3 = preferred citation order)

Either the last of these or the synthesised classmark may be used for shelving purposes, but this must be indicated clearly somehow.

Debbie Cowley has kindly supplied some examples of the classification and indexing used at CCETSW, using the method suggested by R. Bonner. It will be noticed that the synthesised classmark is used for shelving, and that it is used complete following the separately-identified elements in the classified file. It will also be seen that the elements are not necessarily broken down to their smallest constituents: this occurs particularly when a notation demands further synthesis if it is to make much sense.

1. Document: Health education and older people : the role of paid carers / by Chris Phillipson and Patricia Strang. - Health Education Council, 1984.

Shelfmark: QLV GHJ DH3

Entries: QD - QLV GHJ DH3  
QGH JDH - QLV GHJ DH3  
QLV - QLV GHJ DH3

Indexing: AGED : social welfare QLV  
ELDERLY PEOPLE : social welfare QLV  
HEALTH EDUCATION, PUBLIC : in social welfare QGH JDH  
OLD PEOPLE : social welfare QLV  
PUBLIC HEALTH EDUCATION : in social welfare QGH JDH  
SOCIAL WORK QD  
WELFARE WORK : social welfare QD

2. Document: Student supervision / Kathy Ford and Alan Jones. - Macmillan Education, 1987. - (Practical social work)

Shelfmark: QBG JVN KD

Entries: QBG JVN - QBG JVN KD  
QBG JKD - QBG JVN KD



BC2 Libraries : KING'S BLISS UPDATE, 1987

Those of you with long memories may just about recall that the King's Classification Project was described in *The Bliss Classification Bulletin* Vol.6, No.4, January 1979. Well, the summer of 1986 saw at last the completion of the Bliss classification of our undergraduate library collection of over 37,000 volumes. Unfortunately the slow publication of the 2nd edition schedules caused many misgivings and attracted justifiable criticism from the College during the many years of the project - hence the urgent necessity to complete the work using early draft schedules, penultimate draft schedules, outlines and compatible schemes of our own devising! So we are now a library of Bliss, both real and imitation, the latter thanks to the intellectual effort of Graham Howorth, who was our second and main Classification Assistant, and Marion MacLeod of Fitzwilliam College Library, with a little help from me. Fortunately the underlying principles and structural logic of Bliss are so clear that the classifier believes that he may dare to produce outline imitations which will be perfectly adequate for a general undergraduate collection until the millennium of complete publication arrives!

The College's on-going plans for building a new Undergraduate Library have for the past few years encouraged the keeping of various statistics on present library use. For three years we have known not only how many volumes are borrowed annually, but also which members of the College are regular borrowers, and from which main classes they borrow. This information we have also been collating with the degree results obtained by our students, and the evidence gathered so far is very encouraging. Bliss has played a definite role in increasing the use of the Library, and must be a contributory factor to our increasingly good results, although we know there are other factors such as the College's admissions policy and our very efficient book purchasing.

	<u>1984-85</u>	<u>1985-86</u>	<u>1986-87</u>
Average % of Third Years borrowing	84%	87%	87%
No. of First Class degrees	11	22	27
No. of Upper Second degrees	45	59	57

In June 1986 King's moved up from 10th to 3rd place in the Colleges' League Table of exam results. It should be noted that these statistics have been gathered during a period when the Library's early nineteenth century building has been increasingly off-putting to the user as the shelves become ever more over-crowded, despite constant attempts to weed the stock at a greater rate than they are being filled by our ever-growing accessions, necessitating frequent shifting, and much climbing of ladders by hardpressed readers and library staff. The fabric of the building has also been deteriorating and at least two roof leaks per year are now commonplace, as is the annual mid-winter take-over of the students' main reading room of the Library when the low temperatures of the staff working area become unbearable!

So it seems that the merits of 2nd edition Bliss are so great and so obvious to our readers that they outweigh all the present disadvantages of the general library environment. Think to what heights of reader service any modern library of good design could aspire. If and when King's gets its new Undergraduate Library, which will of course avoid all the mistakes made by other new college libraries in Cambridge in the past few years, expect another glowing report on "Exceptional Bliss at King's" !

ELIZABETH M. RUSSELL  
Assistant Librarian, King's College, Cambridge

\* \* \* \* \*

BLISSWORD PUZZLE No.1

Most clues are straightforward; a few are cryptic.

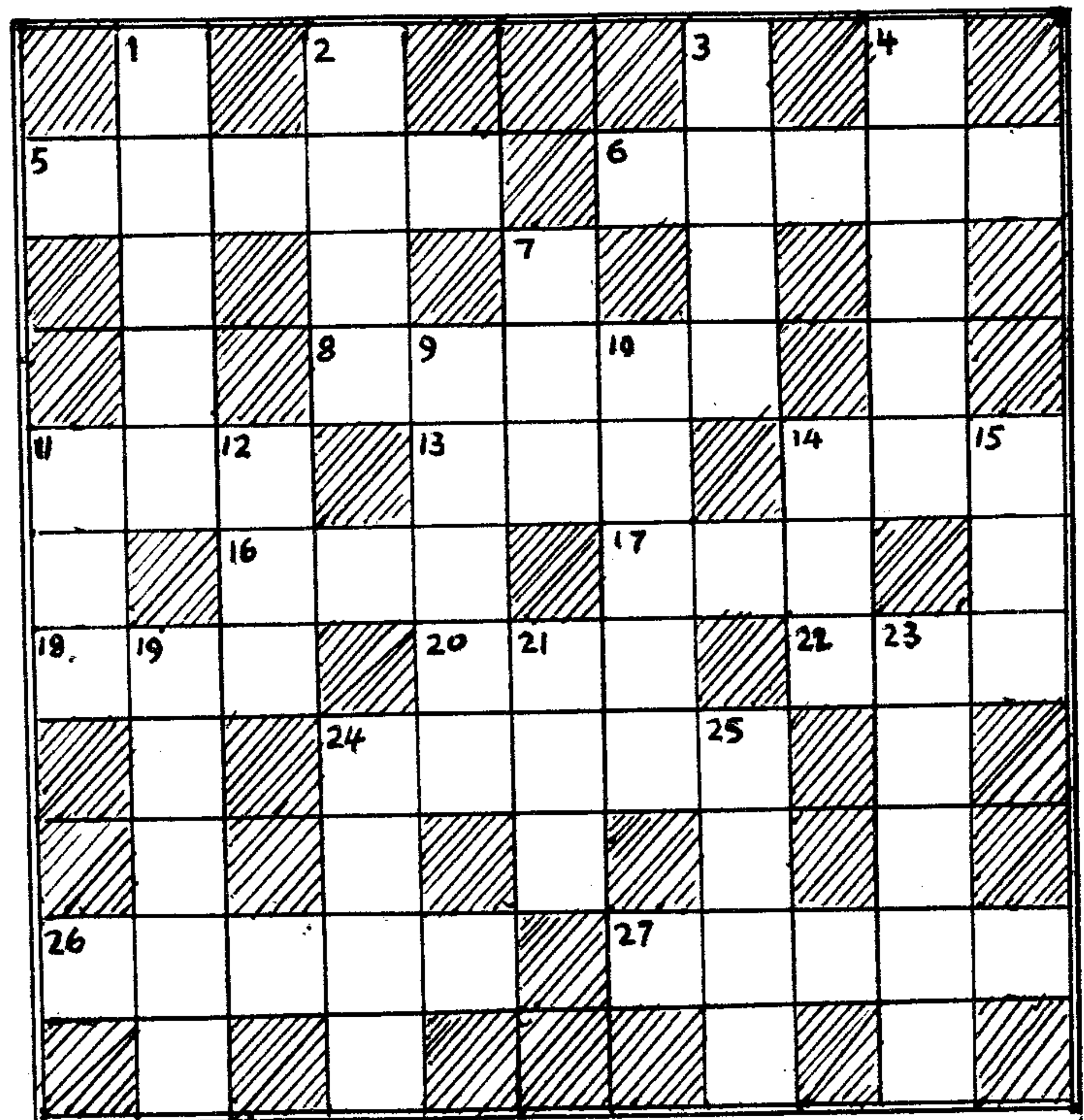
All the answers are BC2 classmarks (letters, no numerals)

ACROSS

- 5 Norwegian fjords
- 6 Management of unincorporated businesses
- 8 Transfer factors
- 11 Medieval church history
- 13 Security forces
- 14 Industrial injury schemes
- 16 The Sumba Trust?
- 17 Religion & education ...
- 18 ... or the opposite?
- 20 Medical profession
- 22 Charles's dukedom
- 24 Predicting sensorimotor activity
- 26 Rural audiences
- 27 Voluntary teamwork

DOWN

- 1 Social economics of the standard of living
- 2 Divination
- 3 Principal deity
- 4 Sixth form college selection
- 7 School demonstrations
- 9 Coptic religious practice
- 10 Social values and the individual
- 11 U.R.C.
- 12 Promotion
- 14 Elementary, my dear Watson!



- 15 Ancient man - in Cagliari?
- 19 What the Israelites saw when Moses led them out of Egypt
- 21 Sleep
- 22 Economic history in the curriculum
- 24 Learning, according to behaviourists
- 25 Murder

## ADDITIONS AND AMENDMENTS TO BC2

### INTRODUCTION AND AUXILIARY SCHEDULES

#### Auxiliary Schedule 2: Place

- p.134 CUV Insert after CUV and align with 'Thrace':  
CUV M Byzantium
- p.135 EFE X Insert after EFE X and align with 'Uttlesford':  
EFF A North West Essex
- p.140 EYR Insert after EYR and indent one place:  
EYR E Aran Islands
- p.143 ICR Amend to read:  
West Central Italy
- ILY Amend to read:  
East Central Italy
- IMD Insert after IMD and align with 'Campobasso':  
IME Isernia
- p.147 LYM Insert after LYM and align with 'Krakow (City)':  
LYM N Oswiecim (Auschwitz)
- p.149 NU Insert after NU and align with 'Chukot NA':  
NUA E Bering Strait  
\*See also YXS
- p.151 OPJ Add to heading:  
, Judea, Judaea, South Palestine
- OTR Add to heading:  
, North Yemen
- PUP Insert after PUP and indent one place:  
PUP S Wakhan Corridor
- PUR Insert after PUR and align with 'Baghlan':  
PUS Nuristan
- p.152 QDD Insert after QDD and align with 'Dera':  
QDE Waziristan
- QDL Insert after QDL and align with 'Chitral':  
QDM Kafitistan
- QND Insert after QND and align with 'Tripura':  
QNE Mizoram
- QNH Insert after QNH and align with 'Naqaland':  
QNJ Arunachal Pradesh
- p.154 TMX Amend to read:  
Loro Sae (formerly Portuguese East Timor)
- p.155 UP Insert after UP and align with 'Darwin':  
UPH Arnhem Land
- p.157 VGR Amend to read:  
Burkina Faso (formerly Upper Volta)
- VGR S For Ougadougou read Ouagadougou
- p.158 VHU Insert after VHU:  
VHU M Borno
- VHY Insert after VHY and align with 'Chad':  
VI Central Africa

- p.159 VQG Insert after VQG and align with 'East London':  
VQG T Transkei
- VQV Insert after VQV and indent one place to right of 'Johannesburg':  
VQV S Soweto
- VRD Insert after VRD and indent one place to right of 'Lourenco Marques':  
VRD M Maputo
- p.160 VTD Insert after VTD and indent one place to right of 'Shinyanga':  
VTD S Serengeti
- VTR H Insert after VTR H and indent one place to right of 'Arusha':  
VTR I Olduvai Gorge
- VUF P) For Mende read Mengo [originally Buganda; changed in 1985 Bulletin]  
VUG P)
- VUL Insert after VUL and indent one place to right of 'Rift':  
VUL P Baringo
- VUQ Insert after VUQ and indent one place to right of 'Central':  
VUQ R Mount Kenya
- p.167 YXE Insert after YXE and indent one place to right of 'South':  
YXE L Alexander Archipelago
- p.168 YXR Insert after YXR and align with 'Central':  
YXS Bering Strait  
\*See also NUA E
- ZA Add to heading:  
, Mesoamerica
- ZBY For Yucaton read Yucatan
- p.169 ZKG K For Maria read Marta [addition in 1985 Bulletin]

Auxiliary Schedule 3: Language

- p.181 PHS Insert after PHS and align with 'Sindhi':  
PHT Pathan, Pukhtun
- PN Insert after PN and align with 'Gujurati':  
PO Parsi
- p.182 PVT Insert after PVT and align with 'Ossetic':  
PVX Nuristani, Kafiri

CLASS H: ANTHROPOLOGY, HUMAN BIOLOGY, HEALTH SCIENCES

- p.5 HBX PFM Add to heading:  
, Basal metabolic rate
- p.20 HEH H Add to heading:  
, cell surface
- p.57 HJE V Insert after HJE V and align with 'Removing':  
HJE W Eradication
- p.127 HRI CEY For HRI C EY read HRI C EX  
Insert between this and HRI C F:  
HRI C EY (Eradication)



- p.128 HRJ OR Insert after HRJ OR and indent one place to right of 'Biological':  
 HRJ ORT      Arthropods
- HRJ OS/  
 HRJ Q      Indent two places to right [i.e. one place to right of 'Arthropods']
- HRJ R/  
 HRJ TG      Indent one place to right
- p.137 HSD MT Insert after HSD MT and align with 'Annelida':  
 HSD N      Mollusca  
           NS      Gastropoda  
                     \*Including snails
- p.138 HSF W Add to heading:  
                     ; primates
- HSH YT Insert after HSH YT and align with 'E trisomy':  
           HSH YU      Trisomy 21
- p.163 HUF N Insert before HUF N and align with 'Dermatoses':  
           HUF MS      Fingerprints
- p.183 HUX GKF H For Others, A/Z read Cannabis [at same indentation]  
Insert after this:  
           HUX GKF J      Others, A/Z
- p.248 HXO QTGSJG Insert following HXO Q T GS JG and align with (Abdomen):  
           HXO QTL      (Bones, osteology)  
           HXO QTL NI      Osteomyelitis
- p.251 HYT Insert following HYT and aligned with '(Special ... )':  
           HZ      Human behavioural sciences  
                     \* In general

Index

Insert or amend the following:

- |       |                                |                         |            |
|-------|--------------------------------|-------------------------|------------|
| p.258 | Arthropod vectors              | <u>amend classmark:</u> | HRJ ORT    |
| p.260 | Basal metabolic rate           |                         | HBX PFM    |
|       | Behavioural sciences, human    |                         | HZ         |
| p.263 | Cannabis                       |                         | HUX GKF H  |
| p.264 | Cell                           |                         |            |
|       | surface                        |                         | HEH H      |
| p.275 | Eradication                    |                         |            |
|       | preventive medicine            |                         | HJE W      |
|       | Communicable diseases          |                         | HRI CEY    |
| p.278 | Fingerprints                   |                         | HUF MS     |
| p.280 | Gastropoda, diseases caused by |                         | HSD NS     |
| p.284 | Human behavioural sciences     |                         | HZ         |
| p.295 | <u>amend:</u> Mollusca         |                         |            |
|       | foods                          |                         | HKH RW     |
|       | Mollusca, diseases caused by   |                         | HSD N      |
| p.300 | Osteomyelitis                  |                         |            |
|       | paediatrics                    |                         | HXO QTL NI |
| p.306 | Primates, diseases caused by   |                         | HSF W      |
| p.309 | Removing hazard at source,     |                         |            |
|       | preventive medicine            |                         | HJE V      |
|       | communicable diseases          |                         | HRI CEX    |

p.313	Sense of direction	HVC IT
p.314	Snails, diseases caused by	HSD NS
p.321	Trisomy 21	HSH YU
p.322	Urban hygiene	HKS NC

## CLASS I: PSYCHOLOGY AND PSYCHIATRY

p.1	I6C	<u>Insert below I6C and align with 'History':</u> I6P Comparative psychology	
p.2	IBE BC	<u>Change 1st occurrence of IBE BC to IBE BV</u>	
p.5	ICI GE	<u>Insert after ICI GE [Bulletin amendment: ICI E in original text] and align with 'Evolution':</u> ICI GP Race	
p.9	IFH V	<u>Insert after IFH V and align with 'Aggression':</u> IFJ AY Shame and guilt	
	IFJ B/ IFJ D	<u>Indent one place to right</u>	
p.17	IMM W	<u>Add to heading:</u> , mothering	
p.19	INN V	<u>For Persuasion read Persuasion</u>	**
p.20	IOT Q	<u>Add to heading:</u> , drawing, dance	**
p.22	IQV CNV	<u>Insert after IQV CNV and align with '(Adaptation)':</u> IQV FNP (Primitive classification)	**
		** [To be superseded by revised schedule in due course: see outline in Bulletin No.28, 1986]	
p.28	IUB UCE T	<u>Insert after IUB UCE T and align with 'Stress':</u> IUB UCI FN Genetic factors	

### Index

		<u>Insert or amend the following:</u>	
p.41	Convergent-divergent tests		IBR VC
	Dance		
	Communication		IOT Q
p.43	Drawing		
	Communication		IOT Q
p.45	Genetic factors		
	Mental disorders		IUB UCI FN
p.51	Mothering		IMM W
p.53	Parametric statistics		
	<u>amend classmark:</u>		IBE BV
p.54	Persuasion		
	Social interaction		
	<u>amend classmark:</u>		INN V
p.55	Primitive classification		IQV FNP
p.56	Race		
	Biological psychology		ICI GP

CLASS K: SOCIETY

- p.5 K7 Add to heading:  
 , collecting specimens
- p.7 K7J V Add example:  
 e.g. painting K7J VP
- p.11 K8V Insert after K8V:  
 K8V S . Expeditions
- p.14 K9P Insert after K9P above, and aligned with, '(Special theories ...)':  
 K9Q C Sociological theory
- p.15 K9W LA Insert after '(Physical anthropology)':  
 K9W LE . . . Biosocial anthropology
- p.18 KAM RW Insert 'Add' instruction after KAM RW:  
 . . . . Add to KAM S letters following A in  
 . . . . AB/AY from Schedule 2, e.g. Coastal  
 . . . . environments KAM SDG, river areas  
 . . . . KAM SPH, weather & climate KAM SS
- KAM S Delete classmark and heading
- KAM SW Delete classmark and heading
- p.22 KBD H Add to heading:  
 , birth ratio
- KBD N Insert after KBD N:  
 KBD O . Multiple births  
 . . \* Twin, triplet, etc. births
- p.28 KCJ S Insert after KCJ S:  
 KCJ SX . . Clash of cultures
- KCJ T Insert after KCJ T:  
 KCJ TS . Cultural imperialism  
 KCJ U . Culture shock
- p.29 KCR S Insert after KCR S:  
 KCR SM . . . . . Destruction
- KCR T Insert after KCR T:  
 KCR V . . . . . Modernization
- p.34 KEL Y Add example:  
 e.g. Goods KEL YG
- p.37 KFF P Insert after KFF P:  
 KFF S . Repute
- p.44 KIC Add to heading:  
 , disputes
- KID T Insert after KID T:  
 KID V . Militancy
- p.45 KIJ Q Add to heading:  
 , homicide
- p.46 KIM S Insert after KIM S:  
 KIM T . . . Pacification
- p.51 KKV 4 Add to heading:  
 , sociology of knowledge
- p.52 KLD M Insert after KLD M, (Consumption of food & drink):  
 KLD N . . Cooking  
Transfer 'Add' note to follow KLD P



- p.97 KSM EJX Insert after KSM EJX:  
KSM EL . . Hallucinogens
- p.99 KSW Y Insert after KSW Y:  
KSX A Nomadic and pastoral societies together
- p.100 KUV 2nd 'Add' note: for letters G/P following P  
read letters G/V following P [Correction to 1985 addition]
- p.101 KUY Insert after KUY:  
KUY FD . (National character)
- p.107 KWJ I Add to heading:  
, storytelling
- KWJ L Add to heading:  
, folk poetry
- p.114 KXF JU Add to heading:  
, curing
- KXF JY Add to heading:  
, herbalists
- KXF N Insert after KXF N:  
KXF P . . Bodily substances
- p.115 KXG IK/  
KXG J Replace existing text by the following:  
KXG IK . Paranormal psychology  
IL . . Hypnosis  
IN . . Unconscious & subconscious  
IP . . . Unconscious  
IQ . . . . Sleep  
IQV . . . . . Prolonged sleep  
IR . . . . . Dreams  
IRY . . . . . Nightmares  
J . . . (Other)  
. . . . . Add to KXG J letters HT/**J** following I  
. . . . . in IHT/IJ - e.g. Clairvoyance,  
. . . . . second sight KXG JHX O.
- p.116 KXG YP Insert after KXG YP and above '(Ceremonies ... )':  
KXH A . . Corpses
- KXH CD Add to heading:  
, laments
- p.118 KXJ A Add to heading:  
, fiestas

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- Insert or amend the following:
- p.131 Abused persons KOB E  
Administrative  
caste KNE O  
Affluent class KMW R
- p.134 Basketry KSL YR  
Batik KSL YFY  
Biosocial anthropology K9W LE  
Birth  
ratio KBD H  
Bodily substances KXF P

p.136	Clairvoyance	KXG JHX O
	Clash of cultures	KCJ SX
	Climate, Environment	
	<u>amend classmark:</u>	KAM SS
	Coastal environment	KAM SDG
p.138	Cooking	KLD N
	Corpses	KXH A
	Court society	KNA PS
	Crime	
	Non-literate society	KSH OBO
	Crowns	KSM A
	Cultural	
	imperialism	KCJ TS
	Culture	
	clash	KCJ SX
p.139	shock	KCJ U
	Curing	KXF JU
	Destruction	
	Social change	KCR SM
p.140	Disputes	KIC
p.141	Dreams	<u>amend classmark:</u> KXG IR
	Dyeing of textiles	KSL YFY
p.142	Ethnobotany	KSK UC
	Ethnocentrism	KPD FDR
	Ethnozoology	KSK VA
	Expeditions	
	Motifs in folklore, etc	KWR LE [existing]
	Research techniques	KBV S
p.143	Fiestas	KXJ A
p.144	Folk	
	poetry	KWJ L
	tales	KWJ S
p.145	Gerontology, Social	KNT
	Goods	KEL YG
	Hallucinogens	KSM EL
p.146	Herbalists	KXF JY
	Homicide	KIJ Q
	Housing estates	KLK TT
	Hypnosis	<u>amend classmark:</u> KXG IL
p.149	Kayasths	KNE O
	Kingship	
	Non-literate society	KSG SR
	Kula	KSL LDL K
	Laments	KXH CD
	Leisure class	KMW S
p.151	Mental patients	KOB NG
	Militancy	KID V
p.152	Modernization	
	Modern society	KUJ CP [existing]
	Social change	KCR V
	Multiple births	KBD O
p.153	National	
	character	KUY FD
	Neckties	KLI DP

