

The Bliss Classification Bulletin

c/o Commonwealth Institute, Kensington High Street, London, W.8

Vol. IV, No. 1, December 1967

F O R E W O R D

This Bulletin is the first one to be issued since the H.W. Wilson Company handed over its publication to the British Committee for the Bliss Classification last year. This change in publisher was noted in the last issue (Vol. III, No. 3, December 1966) in which acknowledgment was made of the Committee's indebtedness to the H.W. Wilson Company.

On the 19th May 1967 the British Committee for the Bliss Classification held a general meeting of users of the BC at the headquarters of the Library Association, London. Some forty users attended. At this meeting a new body was formed, the Bliss Classification Association, and a working Committee was elected, as follows:

- C.B. Freeman (Institute of Education, Hull University)
- S. Green (National College of Food Technology)
- A.J. Horne (Commonwealth Institute)
Secretary
- A. Maltby (School of Librarianship, Liverpool College of Commerce)
- J. Mills (School of Librarianship, North-Western Polytechnic)
Chairman/Editor
- K. Morton (Hospital Centre)
- Miss M.F. Smith (University of London)
- E.R. Stone (School of Librarianship, Ealing Technical College)
Treasurer

The Committee met later in the summer and agreed on the membership subscriptions given at the end of this Foreword. Notices of these and of an inaugural meeting of the Bliss Classification Association to be held in October were sent to all persons and institutions on the H.W. Wilson Company's existing mailing list.

An inaugural meeting of the BCA was held (at the Library Association) on the 20th October 1967. The working Committee submitted draft rules for the Association and these were discussed and some amendments made. The rules, as amended and accepted, are given at the end of this account of BCA matters.

At the inaugural meeting, the Hon. Treasurer reported that a total of 71 applications for membership or subscriptions to the Bulletin had been received. This was sufficient to enable the BCA to finance the production and distribution of the Bulletin but it was agreed that efforts should be made to increase the membership. It was assumed that the figure of 71 would be increased since subscriptions were still trickling in. A list of members at the time of preparation of this Bulletin is found below. It was agreed that at present it seemed unnecessary to hold more than an annual general meeting, which would be in October. Members would be notified personally of the date of the A.G.M.

The question of the maintenance of the BC was also discussed. It was agreed that the Bulletin should continue to be issued not less than once a year. The physical production and distribution of the Bulletin will be supervised by Mr. J. Ruck, Librarian of the Institute of Education at the University of Exeter, and the Committee expressed its gratitude to Mr Ruck for this valuable service.

Regarding a new edition of the BC, it was clear that the BCA would require full time assistance if one is to be produced within a reasonable time. One promising solution to this might be the appointment of a Research Assistant at the North-Western Polytechnic, working under the direction of the Hon. Editor. It would be necessary to obtain a supplementary grant in order to offer an adequate salary for such an assistant and it was agreed that the Committee should approach a number of grant-awarding bodies to this effect.

Meanwhile, useful preparatory work could be undertaken by different members concerned with a common subject area and cooperation between such members and between them and the Hon. Editor was urged.

Schools' edition of the BC: this is now in an advanced stage of printing and binding and will be published some time in December 1967. It is called The Abridged Bliss Classification and is published by the School Library Association. The price is £2 per single copy, plus 1s. 6d. postage if ordered direct from the SLA (150, Southampton Row, London, W.C.1.)

This Bulletin's schedules: following the practice of the last three Bulletins these consist of substantial additions to the BC in a number of technical fields in which the detail up to now has been deficient.

As before, some of the new schedules are based on those produced by the British National Bibliography as Supplementary Schedules and we are indebted to the BNB for its assistance. We also wish to thank Mr Stanley Brett of the North-Western Polytechnic for assistance in the Printing schedule, and Mr David Hope, of the Loughborough School of Librarianship who contributed most of the schedule on Solid State Physics. Mr Hope was kindly assisted by members of the Physics department at the University of Lancaster.

Future Correspondence: Please note that all communications regarding the BCA other than those relating to subscriptions should be addressed to Mr. A.J. Horne, The Hon. Secretary, Bliss Classification Association, c/o Commonwealth Institute, Kensington High Street, London, W.8.

Subscriptions should be sent to Mr. E.R. Stone, the Hon. Treasurer, Bliss Classification Association, 11, Wodeland Avenue, Guilford, Surrey.

Please note also that the address of the School of Librarianship, North-Western Polytechnic has changed and is now as below.

J. Mills
Hon. Editor

School of Librarianship,
North-Western Polytechnic,
207-225 Essex Road,
London, N.1.

Bliss Classification AssociationList of membersBritish Isles

Miss Joan Allen,
124 Hurst Grove,
Bedford.

The Librarian,
Aslib,
3, Belgrave Square,
London, S.W.1.

The Librarian,
Birkbeck College,
Malet Street,
London, W.C.1.

The Librarian,
Bishop Grosseteste College,
Lincoln.

The Editor,
British National Bibliography,
British Museum,
London, W.C.1.

The Librarian,
University of Cambridge,
(Department of Zoology),
Downing Street,
Cambridge.

Dr. D.J. Campbell,
54, Hurst Rise Road,
Cumnor Hill,
Oxford.

The Librarian,
Canterbury College of Art,
St. Peter's Lane,
Canterbury, Kent.

The Librarian,
Chester Beatty Research Institute,
Fulham Road,
London, S.W.3.

The Librarian,
College of Librarianship, Wales,
Llanbadarn Fawr,
Aberystwyth,
Cardiganshire, Wales.

The Librarian,
Commonwealth Institute,
Kensington High Street,
London, W.8.

Mr. G.D. Davies,
25 Hart Drive,
Sutton Coldfield,
Warwickshire.

The Librarian,
Central Library,
St. James's Road,
Dudley, Worcs.

The City Librarian,
Exeter City Library,
Castle Street,
Exeter, Devon.

The Librarian,
Exeter College,
Oxford.

The Librarian,
The Haberdashers' Aske's School,
Elstree, Herts.

The Librarian,
Homerton College,
Cambridge.

The Librarian,
The Hospital Centre,
24, Nutford Place,
London, W.1.

The Librarian,
Institute of Criminology,
7 West Road,
Cambridge.

The Librarian,
Institute of Education,
50, Wellington Road,
Birmingham, 15.

The Librarian,
Institute of Education,
Old Shire Hall,
Durham City.

The Librarian,
Institute of Education,
173, Cottingham Road,
Hull, Yorks.

The Librarian,
Institute of Education,
St Thomas Street,
Newcastle-upon-Tyne, 1.

The Librarian,
Institute of Education,
University of Sheffield,
The University,
Sheffield, 10.

The Librarian,
Institute of Psychiatry,
De Crespigny Park,
Denmark Hill,
London, S.E.5.

The Librarian,
University of Lancaster,
Bailrigg,
Lancaster.

The Librarian,
The Library Association,
7, Ridgmount Street,
Store Street,
London, W.C.1.

The Librarian,
Linnaean Society of London,
Burlington House,
Piccadilly,
London, W.1.

Mr. A. Maltby,
30 Glenmore Avenue,
Liverpool 18.

The Librarian,
Malvern Girls' College,
Malvern, Worcs.

The Librarian,
Manchester College of Commerce,
Aytoun Street,
Manchester, 1.

The Tutor-Librarian,
Manchester College of Education,
Long Millgate,
Manchester 3.

The Librarian,
Merton College,
Oxford.

The Librarian,
Ministry of Health,
Alexander Fleming House,
Elephant and Castle,
London, S.E.1.

The Librarian,
Municipal College of Commerce,
Carlton House,
Jesmond Road,
Newcastle-upon-Tyne, 2.

The Librarian,
National Book League,
7, Albemarle Street,
London, W.1.

Department of Librarianship,
University of Strathclyde,
Livingstone Tower,
Richmond Street,
Glasgow.

The Librarian,
National Bureau for Co-operation
in Child Care
1, Fitzroy Square,
London, W.1.

The Librarian,
Stretford Grammar School for Boys,
Great Stone Road,
Stretford, Lancs.

The Librarian,
National College of Food Technology,
(University of Reading),
St. George's Avenue,
Weybridge, Surrey.

The Librarian,
Tavistock Joint Library,
Tavistock Centre,
Belsize Lane,
London, N.W.2.

The Librarian,
Royal Belfast Academical Institution,
Belfast, N.I.

The Librarian, (Periodicals Dept.),
University College, London,
Gower Street,
London, W.C.1.

The Librarian,
Royal Institution,
21, Albemarle Street,
London, W.1.

The Librarian,
University College,
Oxford.

The Librarian,
Haworth Building,
St. Hild's College,
Durham City.

Miss M. Wilkes,
55, Cliveden Road,
London, S.W.19.

The Director,
School of Librarianship,
Loughborough Technical College,
Radmoor,
Ashby Road,
Loughborough, Leics.

The Librarian,
Worthing High School for Girls,
South Farm Road,
Worthing, Sussex.

The Librarian,
Scottish Hospital Centre,
Crewe Road South,
Edinburgh 4.

The Librarian,
Zoological Society of London,
Regent's Park,
London, N.W.1.

The Librarian,
Sedgley Park College,
Prestwich,
Manchester.

Overseas

(arranged by Country and City)

The Librarian,
University of Tasmania,
Hobart,
Tasmania, Australia.

Ecole de Bibliothéconomie,
Université de Montréal,
C.P. 6128, Montreal, P.Q.,
Canada.

The Librarian,
University of Ottawa Library School,
Ottawa 2, Ontario, Canada.

University of Toronto,
School of Library Science D270348,
Room 202, 167 College Street,
Toronto 2B, Ontario, Canada.

Miss Joan McLaughlin,
The Library,
Teachers' College,
Peterborough Street,
Christchurch 1,
New Zealand.

The Librarian,
University of Otago,
P.O. Box 56,
Dunedin, New Zealand.

The National Librarian,
National Library of New Zealand,
Private Bag,
Wellington, New Zealand.

The Librarian,
President Kennedy Library,
Institute of Administration,
P.M.B. 1013, Zaria,
Nigeria.

Universitetsbiblioteket,
Drammensveien 42B,
Oslo 2, Norway.

The Director,
National Library,
Stamford Road,
Singapore, 6.

The City Librarian
(Periodicals Dept.),
Public Library,
Market Square,
Johannesburg, South Africa.

The Head,
Library School Collection,
State University of New York at
Albany,
Albany, N.Y. 12203, U.S.A.

Simmons College (School of Library
Science),
300 The Fenway,
Boston, Massachusetts 02115, U.S.A.

The Librarian,
Pratt Institute,
215 Ryerson Street,
Brooklyn, N.Y. 11205, U.S.A.

Mr. T.P. Alburger,
234 Lakeview Avenue,
Cambridge,
Massachusetts 02138, U.S.A.

The Librarian,
Theology Library,
School of Theology at Claremont,
Claremont,
California 91711, U.S.A.

Bibliographic Systems Centre,
School of Library Science,
Western Reserve University,
11161 East Boulevard,
Cleveland, Ohio 44106, U.S.A.

Asst. Prof. J. Phillip Immroth,
School of Library Science,
State University College,
Geneseo, N.Y., U.S.A.

Miss Alice Wickizer,
Head, Catalog Division,
Indiana State Library,
140 N. Senate Avenue,
Indianapolis, Indiana 46204, U.S.A.

Mr. Edwin C. Strohecker,
Chairman, Library Science Dept.,
Catherine Spalding College,
853 Library Lane,
Louisville,
Kentucky 40203, U.S.A.

The Librarian, (Serials Division),
University of Minnesota Libraries,
Minneapolis, Minnesota 55455, U.S.A.

The Librarian, (Periodicals Dept.),
George Peabody College for Teachers,
Nashville, Tennessee 37203, U.S.A.

Miss Ruth Ulman,
The H.W. Wilson Company,
950 University Avenue, Bronx,
New York 10452, U.S.A.

The Librarian, (Serials Dept.),
University of Illinois Library,
Urbana, Illinois 61803, U.S.A.

ADDENDA.

The Librarian,
National Foundation for Educational Research,
The Mere, Upton Park,
Slough, Bucks.

RULES OF THE B.C.A.

- (1) The body shall be known as Bliss Classification Association.
- (2) The Bliss Classification Association exists to promote the use and development of the Bliss Bibliographic Classification, by meetings, the publication of a bulletin, and other means.
- (3) Membership is open to all persons and bodies using and/or interested in the Bliss Bibliographic Classification.
- (4) The annual subscription rates shall be determined by members at the Annual General Meeting.
- (5) The affairs of the Association shall be governed by a Committee consisting of eight members elected at the Annual General Meeting. The voting body shall consist of paid-up personal and corporate members. Corporate bodies are entitled to send one voting delegate per subscription.
- (6) The Honorary officers of the Association shall be elected by the Committee itself and shall consist of Chairman, Editor of the Bulletin, Secretary and Treasurer.
- (7) The quorum at a meeting of the Committee shall be four of whom one must be an Honorary Officer.
- (8) An Annual General Meeting of the Association, of which at least four weeks notice shall be given, shall be held each year on a date to be determined by the Committee. The quorum for an A.G.M. shall be 10 members. The Committee shall submit to the Annual General Meeting for approval a report on its work and on the income and expenditure of the Association for the year ending on the previous 31st July. The Annual General Meeting shall also elect an Honorary Auditor, who shall not be a member of the Association's Committee.
- (9) Non-members may be invited to attend meetings of the Association but shall not be eligible for office and shall not have power to vote.
- (10) Provided that notice is given not less than 15 days before the meeting, these rules may be amended at an Annual or Extraordinary General Meeting of the Association. An amendment shall be deemed carried by a two-thirds majority of the members present and voting. An Extraordinary General Meeting shall be called at the request of not less than 20 members of the Association. The quorum for an Extraordinary General Meeting shall be 20% of the members normally resident in the U.K.

SUBSCRIPTION RATES FOR BC BULLETIN

The Bulletin will be sent only to paid-up members of the Association or on receipt of a payment for the Bulletin only. Membership subscriptions are as follows:

Personal member	£1
Institutional member - Primary/Secondary Schools	£1
Institutional member - other bodies	£2
Additional copies of Bulletin for members	10/- each
Cost of Bulletin to non-members	£2 for the first copy of an issue 10/- for each additional copy

Note: Exchange rates, December 1967 are:

\$2.50 (U.S.) = £1	\$1.25 (U.S.) = 10/-
\$3.00 (Can.) = £1	\$1.50 (Can.) = 10/-

ADDITIONS AND CORRECTIONS

BGP/BGQ	Delete existing classes and references and replace by:
BGP	Solids
	Solid state physics
	Structure and properties of materials
BGP D	Properties
BGP E	Mechanical
BGP F	Density, Compression
BGP G	Deformation
BGP H	Elasticity
BGP I	Relaxation
BGP J	Plasticity
BGP K	Internal friction
BGP L	Cohesion, Adhesion
BGP O	Chemical
BGP P	Crystal growth (including imperfections, dislocations)
BGP Q	Surface (adsorption, etc.)
BGP R	Absorption
BGP S	Diffusion
BGP U	Thermal
B P V	Optical
BGP W	Magnetic
BGP X	Electric (including Conductivity, Photoconductivity)
	Solids by condition
BGQ C	Low temperature
BGQ E	High pressure
	Solids by part
BGQ G	Surface
	Solids by size
BGQ I	Small particle (including powder, dust)
	Solids by shape
BGQ K	Film
	Solids by structure
BGQ M	Crystal
BGQ N	Non-crystalline (amorphous)
BGQ O	Non-homogeneous
	Solids by electrical properties (mainly)
BGQ Q	Metal
BGQ S	Semi-metal
BGQ T	Non-metal
BGQ V	Semi-conductor
BGQ X	Insulator

Example of retroactive number-building:

Diffusion in metals BGQ Q,S

CKB/CKH Metallurgy (etc.)

Delete, and replace by new schedule:

(Note: headings to be altered are listed at the end)

CKB	Physical and Chemical Metallurgy
CKB F	Physical metallurgy
CKB H	Metallurgy
CKB I	Microscopy
CKB J	Specimens (preparation, etc.)
CKB L	Polarisation microscopy
CKB N	Ultra-violet microscopy
CKB P	Electron microscopy
CKB R	X-ray technique
CKC	Crystal grain structure
CKC F	Crystal structure, crystallography
CKD	Grain structure
CKD F	Defects
CKD G	Dislocations
CKD J	Solid solutions
CKD L	Boundaries
CKE	Physical properties and associated behaviour
CKF	Thermal
CKF F	Thermodynamics
CKF G	Phase transformations
CKF H	Phase equilibria
CKF J	High temperature, Refractory
CKF K	Low temperature
CKF M	Magnetic
CKF N	Electrical
CKF O	Optical
CKF Q	Mechanical
CKF R	Deformation, Stress
CKF S	Plastic deformation
CKF T	Creep
CKF U	Fatigue
CKF V	Brittleness
CKF VL	Liquid metal embrittlement
CKF W	High velocity deformation
CKG	Surfaces
CKH	Chemical Metallurgy
CKH F	Reactions
CKH G	Corrosion
CKH J	Analysis
CKH L	Determining gases
CKH M	Determining special materials

- (CKH M Determining special materials)
Use chemical symbols as at BNZM (BC Bulletin, September 1964) e.g., Determination of aluminium
 CKH MAL
- CKH P Special methods of analysis
Divide like CG - e.g., CKH PT Gravimetric
- CKB Change to form shown above in new schedule
 CKC Change to form shown above in new schedule
 CKD Move to CKB I
 CKE Change to form shown above in new schedule
 CKF Change to form shown above in new schedule
 CKG Change to form shown above in new schedule
 CKH Change to form shown above in new schedule
- HSE H Operative surgery - complications
Amend note (BC Bull. Dec. 1966) to read:
 Complications (n.b. - this is to be used only as a
 qualifier of terms below, adding EH; e.g.,
 Anaesthesia - General - Intravenous - Complications
 HSK QEH)
- VTA/VTQ Delete, and replace by new schedule for Printing
Note: headings to be altered, and examples of number-
building are given at the end)
- VT Printing
 VTC D Management
 VTC F Finance
 VTC G Selling
 VTC H Estimating
 VTC M Materials and equipment
 VTC P Properties
 VTC R Inks
 VTC S Equipment
 VTC T Properties
 VTC U Safety
 VTC V Works and plant
 VTC W Lighting
 VTC X Machinery
 VTC Z Printing Operations
 VTD Typography, design, layout
 VTD E Composition
 VTD H Film setting see also VTH P
 VTD J Computer typesetting
 VTD P Proof correcting
 VTE Press work
 VTE F Inking
 VTE G Rollers
 VTF Multi-colour inking

(VTF	Multi-colour inking)
VTG B	Hand presswork
VTG D	Machine presswork
VTG F	Folding
VTG H	Stapling
VTG M	Methods of producing impression
	By equipment
VTG O	Blocks
VTG P	Plates
VTG Q	Types
	By process
VTG S	Offset
VTG U	Printing surfaces
VTG V	Replicas
VTG VT	Transfers
VTG X	Printing surfaces bearing manually produced designs
VTH	Printing surfaces of composed type units
VTH P	Photomechanically produced printing surfaces
VTH R	Reduced
VTH S	Magnified
VTH Z	Relief surfaces
VTI	Letterpress (N.b. VTI/VTJ are not amplified by the divisions VID/VTH above)
VTI D	Typography, design, layout
VTI F	Physically making the type
VTI G	Cutting
VTI H	Founding
VTI HC	Casting
VTI J	Composition, Typesetting
VTI K	Hand
VTI L	Machine
VTI M	Linotype
VTI N	Intertype
VTI O	Monotype
VTI P	Proof correcting
VTI Q	Press work
VTI R	Make ready
VTI S	Inking
VTI T	Colour Work
VTJ B	Hand press work
VTJ D	Machine press work
VTJ F	Flat bed
VTJ G	Platen
VTJ J	Cylinder
VTJ K	Rotary

(VTJ K	Rotary)
VTJ M	Folding
VTJ N	Stapling
VTJ P	Copying the printing surface. Platemaking
VTJ S	Stereotypes
VTJ T	Electrotypes
VTK	Photoengraving
VTK P	Copying the printing surface. Platemaking
VTK Q	Powderless etching
VTL	Intaglio
VTL M	Photogravure
VTL O	Collotype
VTL S	Stencil
VTL T	Silk screen
VTL Z	Planographic
VTM	Lithography
VTM GS	Offset
VTM HP	Photolithography
VTM Z	Typographical elements
VTN	Letters and numerals
VTN P	Type design
VTN R	Kinds of type design (Gothic, Sans Serif, Script, etc.)
VTN S	Individual designers, A/Z
VTN T	Special notation
VTN V	Mathematical
VTN W	Musical
VTO	Pictures. Illustrations
VTO K	Half tone
VTO KT	Tone values
VTO L	Decoration
VTO N	Special subjects served; e.g., Botany
VTO P	Products of printing
VTO Q	Imprints
VTO R	Publisher's
VTO S	Printer's
VTO T	Devices, marks
VTO TS	Printer's
VTP	Books (<u>Alternative</u> to ZCC D)
VTP P	Text
VTP Q	Preliminaries
VTP R	Dedications
VTP S	Subsidiaries
VTP T	Dust Jackets
VTP U	Specific books, by author/title, A/Z (e.g. Bible)
VTP V	Serials
VTP W	Trade catalogues

(VTP W	Trade Catalogues)
VTP X	Cumulative indexes
VTQ	Newspapers
VTQ M	Miscellanea (Billheads, Trade cards, Jobbing work, Display work, etc.)
VTQ N	Maps
VTQ P	Pictures
VTQ R	Posters
VTQ S	Broadsheets
VTQ T	Banknotes
VTQ V	Stamps
VTQ X	Braille
VTQ Y	Printing on surfaces other than paper
VTB	<u>Move to</u> VTM Z, VTN, VTN P, VTN S (according to specific meaning)
VTB &	<u>Move to</u> VTO L; <u>delete</u> note
VTC	<u>Move to</u> VTI G
VTD	<u>Move to</u> VTI H, VTI HC
VTE	<u>Move to</u> VTI J
VTE B	<u>Move to</u> VTI J
VTE D	<u>Move to</u> VTQ M (or VTQ MDE narrowly)
VTE E	<u>Move to</u> VTC H
VTE H	<u>Move to</u> VTI K
VTE Y	<u>Delete</u>
VTF	<u>Move to</u> VTI K (or VTI KCS narrowly)
VTG	<u>Move to</u> VTI L
VTH	<u>Move to</u> VTI M
VTI	<u>Move to</u> VTI N
VTJ	<u>Move to</u> VTI O
VTK	<u>Move to</u> VTC X
VTL	<u>Move to</u> VTE (or VTI Q specifically)
VTM	<u>Move to</u> VTJ B (or VTJ F or VTJ G specifically)
VTN	<u>Move to</u> VTJ J
VTN K/Y	<u>Delete</u> - use VTJ J
VTO	<u>Delete</u> - use VTJ J
VTP	<u>Move to</u> VTI Q
VTQ	<u>Move to</u> VTJ S

Examples of retroactive number-building:

Presswork equipment (letterpress) VTI QCM
Handpress in book production VTP GB

A/Z INDEX

Absorption (Solids, Physics)	BGP R
Adhesion (Solids, Physics)	BGP L
Adsorption (Solids, Physics)	BGP Q
Amorphous Solids (Physics)	BGQ N
Analysis (Chemical Metallurgy)	CKH J
Banknotes (Printing)	VTQ T
Billheads (Printing)	VTQ M
Blocks (Impression, Printing)	VTG O
Books (Printing)	VTP
Boundaries (Grain structure, Metallurgy)	CKD L
Braille (Printing)	VTQ X
Brittleness (Metallurgy)	CKF V
Broadsheets (Printing)	VTQ S
Casting type (Printing)	VTI HC
Chemical and physical metallurgy	CKB
Chemical metallurgy	CKH
Chemical properties (Solids, Physics)	BGP O
Cohesion (Solids, Physics)	BGP L
Collotype (Printing)	VTL C
Colour work (Letterpress printing)	VTI T
Composition (Letterpress printing)	VTI J
Composition (Printing)	VID E
Compression (Solids, Physics)	BGP F
Computers (Typesetting, Printing)	VID J
Conductivity (Solids, Physics)	BGP X
Corrosion (Metallurgy)	CKH G
Creep (Metallurgy)	CKF T
Crystal and grain structure (Metallurgy)	CKC
Crystal growth (Solids, Physics)	BGP P
Crystal structure (Metallurgy)	CKC F
Crystallography (Metallurgy)	CKC F
Crystals (Solids, Physics)	BGQ M
Cumulative indexes (Serials, Printing)	VTP W
Cutting type (Printing)	VTI G
Cylinder (Flatbed, letterpress printing)	VTJ F
Decoration (Typographic elements)	VTO L
Dedications (Books, Printing)	VTP R
Deformation (Metallurgy)	CKF R
Deformation (Solids, Physics)	BGP G
Density (Solids, Physics)	BGP F

Design and layout (Printing)	VTD
Design (Letterpress printing)	VTI D
Devices (Imprint, Printing)	VTO T
Diffusion (Solids, Physics)	BGP S
Dislocations (Crystal growth, Solids, Physics)	BGP P
Dislocations (Grain structure, Metallurgy)	CKD G
Display work (Printing)	VTQ M
Dust (Particle, Solids, Physics)	BGQ I
Dust jackets (Books, Printing)	VTP T
Elasticity (Solids, Physics)	BGP H
Electrical properties (Metallurgy)	CKF N
Electrical properties (Solids, Physics)	BGP X
Electron microscopy (Metallurgy)	CKB P
Electrotypes (Letterpress printing)	VTJ T
Estimating (Printing)	VTC H
Fatigue (Metallurgy)	CKF V
Film (Solids, Physics)	BGQ F
Film setting (Printing)	VTD H
Finance (Printing)	VTC F
Flat bed (Letterpress printing)	VTJ F
Folding (Letterpress printing)	VTJ M
Folding (Printing)	VTG F
Founding (Type, Printing)	VTI H
Friction, Internal (Solids, Physics)	BGP K
Gases (Determination, Analysis, Chemical metallurgy)	CKH C
Grain and crystal structure (Metallurgy)	CKC
Grain structure (Metallurgy)	CKD
Half-tone illustrations (Printing)	VTO K
Hand composition (Letterpress printing)	VTI K
Hand presswork (Letterpress printing)	VTJ B
Hand presswork (Printing)	VTG B
High pressure (Solids, Physics)	BGQ E
High temperature (Physical properties, Metallurgy)	CKF J
High velocity deformation (Metallurgy)	CKF W
Illustrations (Typographical elements, Printing)	VTO
Imperfections (Crystal growth, Solids, Physics)	BGP P
Impression (Printing)	VTG M
Imprints (Printing)	VTO Q
Indexes, Cumulative (Serials, Printing)	VTP X
Inking (Letterpress printing)	VTI S
Inking (Presswork, Printing)	VTE F

Inks (Printing)	VTC R
Insulators (Solids, Physics)	BGQ X
Intaglio printing	VTL
Internal friction (Solids, Physics)	BGP K
Intertype (Printing)	VTP N
Jobbing work (Printing)	VTQ M
Layout (Letterpress printing)	VTI D
Layout (Printing)	VTD
Letterpress printing	VTI
Letters (Typographical elements, Printing)	VTN
Lighting (Printing)	VTC W
Linotype (Printing)	VTI M
Liquid metal embrittlement (Metallurgy)	CKF VL
Lithography	VIM
Low temperature (Properties, Metallurgy)	CKF K
Low temperature (Solids, Physics)	BGQ C
Machine composition (Letterpress printing)	VTI L
Machine presswork (Letterpress printing)	VTJ D
Machine presswork (Printing)	VTG D
Machinery (Printing)	VTC X
Magnetic properties (Metallurgy)	CKF M
Magnetic properties (Solids, Physics)	BGP W
Magnified photomechanically produced printing surfaces	VTH P
Makeready (Letterpress printing)	VTI R
Management (Printing)	VTC D
Maps (Printing)	VTQ N
Marks (Imprints, Printing)	VTO TS
Materials (Structure and properties, Physics)	BGP
Mathematical symbols (Typographical elements, Printing)	VTN V
Mechanical properties (Metallurgy)	CKF Q
Mechanical properties (Solids, Physics)	BGP E
Metallography	CKB H
Metals (Solids, Physics)	BGQ Q
Microscopy (Metallography)	CKB I
Monotype (Printing)	VTI O
Multi-colour inking (Presswork, Printing)	VTF
Music (Notation, Typographic elements)	VTN W
Newspapers (Printing)	VTQ
Non-crystalline solids (Physics)	BGQ N
Non-homogeneous solids (Physics)	BGQ O
Non-metals (Solids, Physics)	BGQ T

Notations (Typographical elements, Printing)	VIN T
Numerals (Typographical elements, Printing)	VIN
Offset Lithography	VIM GS
Offset printing	VTG S
Optical properties (Metallurgy)	CKF C
Optical properties (Solids, Physics)	BGP V
Particles, Small (Solids, Physics)	BGQ I
Phase equilibria (Metallurgy)	CKF H
Phase transformation (Metallurgy)	CKF G
Photoconductivity (Solids, Physics)	BGP X
Photoengraving (Printing)	VTK
Photogravure (Printing)	VTL M
Photolithography	VIM HP
Photomechanical production, Printing surfaces	VTH P
Physical and chemical metallurgy	CKB
Physical metallurgy	CKB F
Physical properties (Metallurgy)	CKE
Pictures (Printing)	VTQ P
Pictures (Typographic elements, Printing)	VTC
Planographic printing	VTL Z
Plant (Printing)	VTC V
Plastic deformation (Metallurgy)	CKF S
Plasticity (Solids, Physics)	BGP J
Platemaking (Letterpress printing)	VTJ P
Platemaking (Photoengraving)	VTK P
Platen (Flatbed, Letterpress printing)	VTJ G
Plates (Impression, Printing)	VTG P
Polarisation microscopy (Metallography)	CKB L
Posters (Printing)	VTQ R
Powder (Solids, Physics)	BGQ I
Powderless etching (Photoengraving)	VTK Q
Preliminaries (Books, Printing)	VTP Q
Presswork (Letterpress printing)	VTL Q
Presswork (Printing)	VT
Printers' devices (Imprints)	VTO TS
Printers' imprints	VTO S
Proof correcting (Letterpress printing)	VTI P
Proof correcting (Printing)	VTD P
Publishers' imprints (Printing)	VTO R
Reduced photomechanically produced printing surfaces	VTH P
Refractories (Physical properties, Metallurgy)	CKF J
Relaxation (Solids, Physics)	BGP I

Relief surfaces (Printing)	VTH Z
Replicas (Printing surfaces)	VTG V
Rollers (Presswork, Printing)	VTE G
Rotary presswork (Letterpress printing)	VTJ K
Safety (Printing)	VTC U
Selling (Printing)	VTC G
Semi-conductors (Solids, Physics)	BGQ V
Semi metals (Solids, Physics)	BGQ S
Serials (Printing)	VTP V
Silkscreen printing	VTL T
Small particles (Solids, Physics)	BGQ I
Solid solutions (Grain structure, Metallurgy)	CKD J
Solid state physics	BGP
Solids (Physics)	BGP
Specimens (Microscopy, Metallurgy)	CKB J
Stamps (Printing)	VTQ V
Stapling (Letterpress printing)	VTJ N
Stapling (Printing)	VTG H
Stencils (Printing)	VTL S
Stereotypes (Letterpress printing)	VTJ S
Stress (Metallurgy)	CKF R
Surface (Chemical properties, Solids, Physics)	BGP Q
Surface (Solids, Physics)	BGQ G
Surfaces, (Impression, Printing)	VTG U
Surfaces, Physical metallurgy	CKE
Surfaces, Printing (Non-paper)	VTQ Y
Texts (Books, Printing)	VTP P
Thermal properties (Metallurgy)	CKF
Thermal properties (Solids, Physics)	BGP U
Thermodynamics (Properties, Metallurgy)	CKF F
Tone values (Halftone printing)	VTO KT
Trade cards (Printing)	VTQ M
Trade catalogues (Printing)	VTP W
Transfers (Printing surfaces)	VTG VT
Transformation, Phase (Metallurgy)	CKF G
Type design (Printing)	VTN P
Types (Impression, Printing)	VTG Q
Typesetting (Letterpress printing)	VTI J
Typographical elements (letters, etc.)	VTM Z
Typography (Design and layout)	VTD
Typography (Letterpress printing)	VTI D
Ultra-violet microscopy (Metallurgy)	CKB N
X-ray techniques (Metallography)	CKB R