

A Bibliography of Recommendations (ISO, BS, NEN and ANSI)  
for the Preparation of Scientific Publications

compiled by

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## Preface

Four organizations have expressed a desire for information about recommendations on how to communicate scientific information, in particular how to prepare scientific works for publication.

In the Netherlands, the purpose of Pudoc is to guide and help agricultural scientists to produce publications of a sufficient standard to reach scientists throughout the world and to ensure that they can find information about research in other countries. In 1962, T. Goedewaagen prepared a 7-page list of recommendations and guides on how to prepare manuscripts for publication. Since then, many new recommendations have been issued and in 1970 the Circle of Editors of Dutch Agricultural Research Institutes suggested that a new list be prepared. This bibliography lists international and Dutch standards that they should know. Since most agricultural research is published in English, it also includes standards of English-speaking countries.

In Europe, the European Association of Editors of Editors of Biological Periodicals (now called ELSE, European Life Science Editors) was formed in 1967 as a forum to resolve the chaos in journal practices, such as layout, style, nomenclature and abbreviations. ELSE established a Style Manual Working Group to consider the preparation of an international guide for authors and editors. Such a guide had already been prepared by the United States Council of Biology Editors (CBE): Style Manual for Biological Journals. The second edition of 1964 took little account of needs outside the United States but their Style Manual Committee has been open to suggestion from ELSE. The third edition, to be issued during 1972, promises to be more widely acceptable. One criterion of its acceptability will be whether it is compatible with international and European national standards. CBE has now proposed to ELSE that the fourth edition include American and European practices and English usages. Resort to international recommendations should resolve some differences.

The sort of information ELSE and CBE need is similar to that required by Editerra, the European Association of Earth Science Editors for a parallel project for an Editors' Handbook. The sparse material that has come to light on soil science is old and may be due for revision. However it is essential that recommendations on all sciences are compatible. Life sciences and earth sciences should both draw on the excellent standards prepared by physicists and chemists.

Internationally too, Unesco and ICSU (International Council of Scientific Unions) are attempting to promote scientific communication. Unesco has published a bibliography of nationally standardized glossaries (1955) and one of multilingual dictionaries (5th edn, 1969). One way Unesco and ICSU can implement their plan for a World Science Information System (Unisist) is by encouraging authors and editors to use international standards.

This need to encourage international standards is exemplified by the slow introduction of the *Système Internationale de Metrication* (SI). SI was internationally approved in 1950 but seems not to have come to the attention yet of many Continental editors and authors, who assume it to be traditional incoherent metric units.

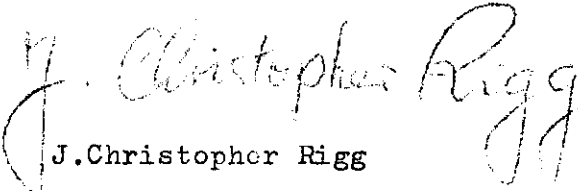
International agreements are essential for scientific communication, which is not limited by national boundaries. But ISO recommendations are not comprehensive; some are even obsolescent. National standards, especially those of English-speaking countries are an important supplementary source.

Another source that will require a separate bibliography is the recommendations of scientific bodies. This compilation should certainly include the codes of taxonomic nomenclature (IUBS), and codes and manuals of chemical and physical nomenclature (IUPAC, IUPAP). The limits of international authority are hard to find. Usually recommendations are prepared by a small active group; the publications themselves give little evidence whether drafts have been subject to widespread scrutiny. WHO has an Expert Committee on Biological Standardization but are their recommendations internationally

approved? FAO and the European Parliament have produced various technical glossaries but are their contents merely the opinions of their translators? On the other hand, small bodies such as Commonwealth Agricultural Bureaux have produced technical dictionaries that are widely accepted as standards. There is no rigid primary standard.

Neither are the subject limits of my bibliography rigid. I have included subjects from draft lists of contents for the CBE Manual and for the Editerra Handbook. I have included too material on data processing and statistics. My material on terminology, symbols, abbreviations and units is biased towards the needs of biologists, and agricultural and medical scientists.

I hope that this bibliography will for the moment satisfy the need. The projected bibliography of recommendations by other scientific bodies is more difficult to assemble. I would be pleased to receive suggestions and information.

  
J. Christopher Rigg  
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List of standards relevant to scientific communication

I. Standards of the International Organization for Standardization (ISO) obtainable from national standards bodies.

ISO/R4. 1953-03. International code for the abbreviation of titles of periodicals. 1st ed. 4 pp. Sw.Fr.5; f5.90; £0.50.  
Obsolete. Under revision by ISO TC 46, Doc.(USA 6) 895E.

ISO/R8. 1955-10. Layout of periodicals. 1st ed. 8 pp. Sw.Fr.7; f7.70; £0.70.

Not comprehensive. BS 2509 is fuller and its principles are internationally acceptable.

ISO/R9. 1968-09. International system for the transliteration of Slavic Cyrillic characters. 2nd ed. with errata. f9.75; £0.90. 8 pp.

Of necessity not a rigid standard. Variant 2 is almost suitable for computers, being accentless except for the short Cyrillic U which could better be transliterated J than i

ISO/R18. 1956-04. Short contents list of periodicals and other documents. 1st ed. 4 pp. Sw.Fr.4; f4.70; £0.40.

A waste of money.

ISO/R30. 1956-12. Bibliographical strip. 1st ed. 4 pp. Sw.Fr.5; f5.90; £0.50.

A standard almost ignored except by journals on librarianship, documentation and information science. A bibliographical strip has little real value since all the elements should already be present on the cover or title page.

ISO/R31.

Part 1. 1965-12. Basic quantities and units of the SI (and quantities and units of space and time). 2nd ed. 13 pp. Sw.Fr.12; f16.50.

Part 2. 1958-02. Quantities and units of periodic and related phenomena. 1st ed. 6 pp. f6.75.

Part 3. 1960. 20 pp. f20.25. Quantities and units of mechanics.

Part 4. 1960-12. Quantities and units of heat. 1st ed. 10 pp. Sw.Fr.4.50; f10.50.

Part 5. 1965-01. Quantities and units of electricity and magnetism. 1st ed. 18 pp. f19.50.

Part 6. Light and related electromagnetic radiations. Not yet issued. Presumably drafts are available.

Part 7. Quantities and units of acoustics. 1st ed. 1965-11. 9 pp. Sw.Fr.12.00; f10.50.

Part 8. Physical chemistry and molecular physics. Not yet issued.

Part 9. Mathematical signs and symbols for use in physical sciences and technology. 1st ed. 1961-02. 6 pp. Sw.Fr.6; f7.50.

Part 10. Atomic and nuclear physics. Not yet issued.

Part 11 (presumably Mathematical signs is to be renumbered) Nuclear reactions and ionizing radiations. Not yet issued.

Part 12. Some principles for printing symbols and numbers. Not yet published. Available as ISO/DR 345.

ISO/R31 cont.

A comprehensive standard for symbols and units. The names of the quantities and definitions are only indicative and often differ from those given by other authorities. The layout allows easy comparison of SI and other units. BS 1991 is superior in having indexes of terms and of letter symbols.

ISO/R58. 1958. Substances of paper. 4 pp. £4.50; \$0.40.

ISO/R66. 1958. Paper vocabulary: first series of terms. with amendment 1, 1964 and amendment 2, 1969. 26 pp. £22.50; \$2.20.

ISO/R77. 1958-12. Bibliographic references: essential elements. 1st ed. 7 pp. Sw.Fr.8; £8.80; \$0.80.

The standard is too flexible and certainly allows most of the variations now current.

ISO/R101. 1959. Width of sheets of paper. 4 pp. £4.50; \$0.40.

ISO/R135. 1960. Paper vocabulary: second series of terms. 26 pp. £23.25; \$2.30.

ISO/R116. 1959-08. Common names for pesticides: first list. 1st ed. 8 pp. £9; Sw.Fr. 8;

This series has so far reached at least to part 16, each consisting of 8 pp. They are (2) R219, (3) R258, (4) R290, (5) R411, (6) R566, (7) R628, (8) R685 of 4 pp. (9) R967, (10) R968, (11) R969, (12) R970, (13) R971, (14) R1620 (published in 1969). Each compound is tabulated by common names in En, Fr and Ru, chemical name (according to IUPAC rules), chemical formula, type of pesticide (i.e. insecticide or acaricide, fungicide, herbicide, or rodenticide). International standardization has been hampered by the protection of certain names, e.g. pp'-DDT, as a trade mark in certain countries. BS1831 is far more useful for reference, being indexed and containing 278 substances in one list. Each ISO standard lists about 24 compounds. Cf. ISO/R257 and R765.

ISO/R169. 1960. Sizes of photocopies (on paper) readable without optical devices. 4 pp. £4.50; \$0.40.

ISO/R193. 1961. Microcopies on transparent bases: sizes of recommended bases. 4 pp. £4.50; \$0.40.

ISO/R214. 1961-10. Abstracts and synopses. 1st edition. 4 pp. Sw.Fr.5; £5.90; \$0.50.

Obsolete and incomplete. ANSI Z39.6 is more acceptable internationally.

ISO/R215. 1961-10. Presentation of contributions to periodicals. 1st ed. 4 pp. Sw.Fr.5; £5.90; \$0.50.

Acceptable but not comprehensive.

ISO/R233. 1961-12. International system for the transliteration of Arabic. 1st ed. 8 pp. £9.75.

ISO/R216. 1961. Trimmed sizes of writing paper and certain classes of printed matter. 8 pp. f14.25; 30.80.

ISO/R217. 1961. Method of expression of dimensions and directions of manufacture of unprocessed writing and printing paper. 4 pp. f4.50; 30.40.

ISO/R218. 1961. Microcopies: scale of 35 mm microfilms for international exchange. 4 pp. f6; 30.50.

ISO/R231. 1962. Paper vocabulary: third series of terms. 20 pp. f15.75; 31.50.

ISO/R233. 1961-12. International system for the transliteration of Arabic. 1st ed. 8 pp. f9.75; 30.90.

ISO/R257. 1962. Principles for the selection of common names for pesticides (with amendment of 1968). 6 pp. f6.

ISO/R259. 1962-05. Transliteration of Hebrew. 1st ed. 7 pp. f9; 30.80.

ISO/R260. 1962. Terms relating to microcopies and their basis. 4 pp. f6; 30.50.

ISO/R269. 1962. Sizes of correspondence envelopes and pockets. 4 pp. f6; 30.50.

ISO/R353. 1963. Method of expression of dimensions of processed writing paper and certain classes of printed matter. 8 pp. f7.50; 30.70.

ISO/R371. 1964. Terms relating to microcopy apparatus. 4 pp. f4.50; 30.40.

ISO/R372. 1964. Paper vocabulary: fourth series of terms. 24 pp. f21; 32.10.

ISO/R435. 1965. ISO conventional typographical character for legibility tests. 8 pp. f7.50; 30.70.

ISO/R446. 1965. Microcopies: legibility tests; description of the ISO mire (ISO test object) and its use in photographic document reproduction. 8 pp. f9; 30.80.

ISO/R452. 1965. Essential characteristics of 35 mm microfilm reading apparatus. 8 pp. f6.75; 30.60.

ISO/R478. 1966. Paper: untrimmed stock sizes of the ISO-A series; ISO primary range. 4 pp. f4.50; 30.40.

ISO/R479. 1966. Paper: untrimmed sizes; designation; tolerances. 4 pp. f4.50; 30.40.

ISO/R593. 1967. Paper: untrimmed stock sizes for the ISO-A series (supplementary ~~xxxxxxx~~ range). 4 pp. f4.50; 30.40.

ISO/R618. 1967. Paper: overall trimmed sizes of articles of stationary that include detachable sheets. 8 pp. f6; 30.50.

ISO/R639. 1967. Symbols for languages, countries and authorities. 1st ed. 15 pp. Sw.Fr.15; f16.80; 31.60.

The title is misleading, since the standard is far from complete, even for Western European languages. Welsh, Friesian and Ukrainian are not mentioned. Neither are the confusions of 'Flemish' (= Dutch) or the relation of Serbian and Croatian (lumped without explanation as Serbo-Croatian). Icelandic is not mentioned. The code is either the UDC number or a two-letter code. World languages have an alternative one-letter code. The classification is poor.

The National Codes are also based on UDC or International Registration Letters (of variable length). A two-letter code (which could partly parallel the language codes) would be more useful. By authorities, the title means standardization institutions.

ISO/R645. 1967. Statistical vocabulary and symbols: first series of terms and symbols. Part 1. Statistical vocabulary. 28 pp. f24,75

ISO/R 646. 1967. 6- and 7-bit coded character sets for information processing interchange. 16 pp. f14.25; 31.40.

ISO/R676. 1968. Spices and condiments: nomenclature: first list. 20 pp. f16.50.

ISO/R686. 1968. 35 mm filmstrip: dimensions and formats. 8 pp. f6.75; 30.60.

ISO/R689. 1968. Microcopies: legibility tests; description and use of the ISO micromire (ISO micro test object) for checking a reading apparatus. 8 pp. f9; 30.80.

ISO/R690. 1968-03. Bibliographical references: essential and supplementary elements. 1st ed. 16 pp. f17.25; 31.70; SW.Fr.17  
Useful standard but not rigid enough.

ISO/R704. 1968-04. Naming principles. 1st ed. 15 pp. f14.25; Sw.Fr.17; 31.40.

Excellent. The title refers to the principles of nomenclature, not the naming of principles. Essential reading for any committee on terminology.

ISO/R710. 1968. Graphical symbols for use in maps, plans and detailed geological cross-sections. Part 1. General rules of representation. Part 2. Representation of sedimentary rocks. 4 pp.; 16 pp. f6; f15.75.

ISO/R765. 1968. Pesticides considered not to require common names. 20 pp. f24.

ISO/R832. 1968. Abbreviation of typical words in bibliographical references. 48 pp. f42; 34.50.

ISO/R782. 1968. Microcopy: measurement of the screen luminance of microfilm readers. 8 pp. f9; £0.80.

ISO/R833. 1968. Abbreviations of generic terms in titles of periodicals. 36 pp. f33; £3.50.

ISO/R838. 1968. Paper: holes for general filing purposes. 4 pp. f2.25; £0.50.

ISO/R840. 1968. Code for numerical control of machines (compatible with the ISO 7-bit character set). 8 pp. f9; £0.80.

ISO/R843. 1968-10. International system for the transliteration of Greek characters into Latin characters. 1st ed. corrected. pp. 7. f6.75; £0.60.

ISO/R860. 1968-10. International unification of concepts and terms. 1st ed. 16 pp. f15.75; £1.50; Sw.Fr. 15.

Not always accurate in its information. Some strange terms are used. Examples are not all self-explanatory. The only example from biology is misleading.

ISO/R919. 1969. Guide for the preparation of classified vocabularies (example of method). 16 pp. f15.75; Sw.Fr. 15; £1.50.

ISO/R961. 1969. Implementation of the 6- and 7-bit coded character set on 7 track 12\*7 mm ( $\frac{1}{2}$  in) magnetic tape. 8 pp. f6.75; £0.60.

ISO/R962. 1969. Implementation of the 7-bit coded character set on 9 track 12\*7 mm ( $\frac{1}{2}$  in) magnetic tape. 8 pp. f6.75; £0.60.

ISO/R963. 1969. Guide for the definition of 4-bit character set for information processing interchange. 12 pp. f12.75; £1.20

ISO/R999. 1969-02. Index of a publication. 1st ed. 4 pp. f6; £0.50; Sw.Fr. 5.

ISO/R1000. 1969. Rules for the use of units of the International System of Units and a selection of the decimal multiples and sub-multiples of the SI units. 20 pp. f28.50;

ISO/R1001. 19... Magnetic tape labelling and file structure for information interchange. .. pp. £1.70.

ISO/R1086. 1969. Title-leaves of a book. 8 pp. f6.75; £1.70.

ISO/R1008. 1969. Photographic black-and-white paper for general use: preferred sizes of sheet materials. 4 pp. f4.50; £0.40.

ISO/R1009. 1969. Photographic black-and-white paper for roll paper printers: preferred sizes of rolls. 4 pp. f6; £0.50.

ISO/R1010. 1969. Photographic colour paper for general use: preferred sizes of sheet material. 4 pp. f4.50; 30.50.

ISO/R1011. 1969. Photographic colour paper for foll paper printers: preferred sizes of rolls. 4 pp. f4.50; 30.50.

ISO/1012. 1969. Photographic colour film for general use: preferred sizes of sheet material. pp.4. f6; 30.50.

ISO/R1028. 1969. Flowchart symbols for information processing. 8 pp. f9; 30.80.

ISO/R1048. 1969. Identification of exposed colour film. 4 pp. f6; 30.50.

ISO/R1073. 1969. Alphanumeric character sets for optical recognition. 508 pp. f120; 313.40.

ISO/R1087. 1969-06. Vocabulary of terminology. 1st ed. 23 pp. 32.10.

Useful. Definitions of abbreviated term, abbreviation and letter symbol are far from perfect.

ISO/R1090. 1969. Function key symbols on typewriters. 4 pp. f6; 30.50.

ISO/R1091. 1969. Layout of printing and function keys on typewriters. 8 pp. f7.50; 30.70.

ISO/R1092. 1969. Numeric section of ten-key keyboards for adding machines and calculating machines. 4 pp. f6; 30.50.

ISO/R1093. 1969. Keytop and printed or displayed symbols for adding machines and calculating machines. 4 pp. f6; 30.50.

ISO/R1113. 1969. Representation of 6- and 7-bit coded character sets on punched tape. 6 pp. f7.50; 30.70.

ISO/f16. 19... 35 mm and 16 mm microfilm, spools and reels. .. pp. 31.20.

ISO/R1149. 1969-11. Layout of multilingual classified vocabularies. 1st ed. 23 pp. 32.10.

Useful. In view of the necessity and proliferation of polyglots, this should be studied widely. Essential but rarely implemented is the advice to provide definitions of terms in polyglots and to ensure that terms correspond to the definition, not to a term in another language.

ISO/R1154. Dimensions of punched paper tape for data interchange. .. pp. 30.60.

ISO/1155. The use of longitudinal parity to detect errors in information messages. 30.50.

ISO/R1177. Character structure for start/stop and synchronous transmission.

ISO/R1682. 1971. Dimensions and location of rectangular punched holes in 80 columns punched paper cards.

R1861 and 1862 are similar standards for 7 and 9 track magnetic tape (FID News Bull., 1971, Vol.21, No 9, p.106)

ISO/R2014. 1971-01. Writing of calendar dates in all-numeric form. 1st ed. 4 pp.

Any order can be used for dates written with the month in words. Only the forms 19711001 or 1971-07-15 or 1972 01 30 may be used. Hours and minutes may be added according to the 24-h clock system.

ISO/R2015. 1971-01. Numbering of weeks. 1st ed. 7 pp.

ISO/R1971. Standardization vocabulary: basic terms and definitions/Vocabulaire de la normalisation: termes fondamentaux et définitions. Definitions 1. 4 pp.

13 terms in En and Fr: standardization; standard; specification; simplification; unification; specialization; code; coding. (FID News Bull., 1971, Vol.21. No 6, p.64)

ISO/DR1278. 1970. International code for the abbreviation of titles of periodicals.

Revision of ISO/R4. It is anticipated that the final version will incorporate the list of title-word abbreviations of ANSI Z39.5 and ICSU-AB

ISO/DR1951. 1970. Lexicographical symbols particularly for use in classified defining vocabularies. 35 + 28 pp.

Useful draft for those working on standarization. In practice the use of an authority symbol with and without brackets for a practice the authority recommends avoiding or using is inadequate. Better would be, for instance, ISO for a practice recommended by ISO; --ISO for a practice on which ISO allows alternatives, °ISO for a practice that ISO deprecates, and (ISO) for a practice on which ISO makes no recommendation although it uses it.

ISO/DR2108. 1970. International Standard Book Numbering (ISBN).

Various countries have now issued standards based on this, so presumably the definitive version has now been issued.

ISO/DR2145. 1970. Numbering of divisions and subdivisions in written documents.

Described as 'Section numbering in written documents' in FID News Bull., 1971-03-15, Vol.21, No 3, p.26.

ISO/DR2146. 1970. Directory of libraries, information and documentation centres. (directives for their compilation).

Listed in FID News Bull., 1971-03-15, Vol.21, No 3, p.26.

ISO/DR2383. Vocabulary of data processing. Part 01. Fundamental terms. Part 04. Organization of data. Part 05. The presentation of data. En, Fr. (Listed FID News Bull., 1971, Vol.21, No 8 & 9.

ISO/DR2384. 1970. Presentation of translations.

BS have issued a standard presumably based on this draft or vice versa.

British Standards (BS) available from British Standards Institution, British Standards House, 2 Park St., London, W1Y 4AA or from local standards organization.

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BS350. Conversion factors and tables. Part 1: 1959. Basis of tables. Conversion factors. 116 pp. Amendments of 1963, 1965 and 1969. £1.70. SBN 580 00524 0.

See also ISO/R31. Covers a wide range of measurement falling under the general headings metrology, mechanics and heat. Extended basic information on units, together with the standard abbreviation for each unit or combination of units. Tables of units and conversion factors, showing the relationship between any pair of units used in the measurement of a given physical quantity. Purely electrical units are not dealt with.- BS Yearbook 1970.

BS350: Pt 2:1962. Detailed conversion tables. 296 pp. Amendment of 1969. £4. SBN 580 00524 8.

Detailed conversion tables under the general headings metrology, mechanics and heat, with the numerical basis of each table given in the head and tabulated values expressed for the most part to the nearest 6th significant figure. Summary of tables of conversion factors are also included. -BS Yearb.

BS350: Supplement No 1: 1967 (PD6203). Additional tables for SI conversions. 88 pp. £1. Amendment of 1969.

Contains 36 additional tables for conversions to and from SI units./-BS Yearb.

BS1000. Universal decimal classification (UDC). English full edition. FID No 179. 4th international edition.

Often a useful alternative to a dictionary. Part issued are 48, of which the following are of interest to biologists. (159.9): 1969. Psychology. 20 pp. £0.60. SBN 580 00466 X. (31): 1970. Statistics. £0.60.

(50/53):1943. General works on pure science. UDC 51. Mathematics. UDC 52. Astronomy. Geodesy. UDC 53. Physics. £0.75. 104 pp. SBN 580 01205 0.

(54): 1943. Chemistry. Crystallography and mineralogy. 108 pp. £0.75. SBN 580 01215 8.

(55/59): 1943. UDC 55. Geology and geophysics. UDC 56. Palaeontology. UDC 57. Biology. UDC 58 Botany. UDC 59.

Zoology. £0.75. 125 pp. SBN 580 01225 5.

(611): 1968. Anatomy. 28 pp. £1. SBN 580 00210 1.

(612): 1968. Physiology. 40 pp. £1.25. SBN 580 00211 X.

(613): 1968. Hygiene. 16 pp. £0.75. SBN 580 00157 1.

(614): 1969. Public health. Accident prevention. 20 pp. £0.60. SBN 580 05266 4.

(615): 1968. Pharmaceuticals. Therapeutics. Toxicology. 20 pp. £0.75. SBN 580 00214 4.

(616): 1968. Orthopaedics, Surgery. Ophthalmology. 20 pp. £0.75. SBN 580 00207 1.

(618): 1968. Gynaecology. Obstetrics. 24 pp. £1. SBN 580 00325 6.

(636/639): 1969. Animal breeding. Animal produce. Hunting. Fishing. 49 pp. £1. SBN 580 05580 9.

BS1000B: 1958. Universal Decimal Classification (UDC). Trilingual (De, En, Fr) abridged edition. 518 pp. £6.30. Also: FID No 277. Includes 230 pp. of De, En & Fr indexes.

BS1153:1955. Recommendations for the storage of microfilm. 12 pp. 30.15. SBN 580 01427 4.

Applies to microfilms, made on a film base, which comply with the burning test of BS850, and which have a nitrate nitrogen content not exceeding 0.15%. Storage conditions relating to processing, protection from fire and water, chemical contamination, temperature, r.h., air conditioning and other storage hazards. Containers, film removal and viewing, conditions for transport. Methods of testing for residual thiosulphate and injurious residual silver compounds. - BS Yearb.

BS1219: 1958. Recommendations for proof correction and copy preparation. 28 pp. 30.50. SBN 580 01439 8.

Excellent. ISO and other national bodies have no standard as comprehensive as this (to my knowledge). General advice on the preparation of printer's copy; proof correction marks (also available separately); general application; mathematical copy (also available separately).

BS1311: 1955. Sizes of manufacturers' trade and technical literature (including recommendations for contents of catalogues). 12 pp. 30.15. Amendment, 1968. SBN 580 01611 0.

Specifies sizes of manufacturers' and suppliers' trade and technical literature including catalogues, brochures, leaflets and books containing technical information, working and operating instruction sheets, data sheets, and erection and installation instruction sheets for plant and equipment. Appendices list the information generally required in catalogues, the basis on which the standard sizes have been selected, and information on the international standardization of paper sizes. -BS Yearb.

BS1340: 1960. Prepared and natural tracing paper. 16 pp. 30.25. Amendments, 1962, 1966. The papers are described and the sizes of rolls and reels are specified. Details of the sizes of drawing sheets given in BS3429 are also given. The substance and formation are specified with details of marking and packaging. Methods of testing for uv.transmission, total light transmission, resistance to ghost marking, tearing strength and ageing properties are included.

SBN 580 01851 2. -BS Yearb.

BS1342: 1962. Detail drawing paper. 13 pp. 30.25. Amendment, 1966. SBN 580 01861 X.

Similar content to BS1340.

BS1343: 1962. Cartridge drawing paper. 12 pp. 30.20. Amendment, 1966. SBN 580 01871 7.

Specifies the sizes of rolls and reels and the tolerances in width. The sizes of cut sheets specified in BS3429 are included. The papers are described and their substance, formation and tensile strength are specified and details of marking and packaging are given. The method of testing the tensile strength is specified in an appendix. -BS Yearb.

BS1360:1961. Personal stationary. 12 pp. CO.23.  
SBN 580 01522 X.

Specifies the sizes and order of measurement of personal stationary and also defines the various forms of personal stationary covered. Letterettes, letter cards and one-piece personal stationary products are not defined. An appendix lists the international standard paper sizes. - BS Yearb.

BS1371:1956. Microfilm, readers and reels. 16 pp. CO.40.  
Amendment, 1968. SBN 580 01632 3.

See also: ISO/R260. Covers 70-mm, 35-mm and 16-mm microfilm, microfilm readers and reels for processed microfilm. The standard specifies essential dimensions and features of readers and reels, and gives guidance on the format and arrangement of images and the sequence of pages on microfilms. Certain performance requirements for microfilm readers are included and a method for the measurement of the reader screen brightness is given in an appendix. - BS Yearb.

BS1411: 1947. Printers' cards and blanks (terms and sizes). (Confirmed 1954). 8 pp. CO.30. Amendment 1954. SBN 580 01932 2.

Includes definitions of the commonly used cards and a list of the recognized standard abbreviations used in the trade, as well as a list of sizes of printers' cards and blanks. Bordering widths and units for ordering are also specified. - BS Yearb.

BS 1413:1970. Page sizes for books. CO.35.

The 1966 gave 3 Imperial sizes. The new one gives only 5 metric sizes including the ISO A size not normally used for books but useful in, for instance, some technical handbooks. - Unesco Bull.Lib., 1971, Vol.25, No 4, p.240.

BS1467:1957. Dimensions of folders and files for correspondence filing. 8 pp. CO.20. SBN 580 01754 6.

Gives definitions and sizes of folders and files including transfer storage cases. Spacing and dimensions of punching holes are also specified. - BS Yearb.

BS1544:1949. Bound account and manuscript books (other than scholastic books). 24 pp. CO.65. SBN 580 01745 1.

Specifies terminology, contents of account and manuscript books, sizes of leaves, rulings, indexing practice and bindings, illustrated where necessary by sketches. Tables are also included giving the substances of boards used in binding. - BS Yearb.

BS1568:1970. Magnetic tape recording equipment. Part 1. Magnetic tape recording and reproducing systems, dimensions and characteristics. 16 pp. CO.60. Amendment, 1966.

See also IEC 94. Specifies the features of recording on magnetic tape and of associated recording and reproduction equipment necessary to ensure the successful interchange of recordings for broadcast and similar purposes. It applies to single-track and two-track recordings, the latter being either single-channel or stereophonic. It also incorporates requirements for tapes and spools for commercial and domestic magnetic tape sound recording and reproduction, formerly covered by BS2478, and gives details of magnetic tape coated on one side only, and of the spools used. SBN 580 01985 3. -BS Yearb

BS1629:1950. Bibliographic references (incl. amendment PD 1186, May 1951). 18 pp. 30.50. SBN 580 01936 5.

See also ISO/R77. A useful statement of essentials and optionals in various types of reference to books, serials and parts of them. Details of the standard seem to have been ignored by British publishers as too complex.

BS1749:1969. Alphabetical arrangement and the filing order of numerals and symbols. 2nd ed. 13 pp. 30.50. SBN 580 05620 1.

Comprehensive but adaptable rules. Complemented by PS3700. Abstract in Unesco Bull. Libr., Vol. 24, p. 171. Rules for numerals, symbols, hyphens, apostrophes, groups of initials and complex entries are amended.

BS1772:1951. Sizes of photographic sheets film other than X-ray film. 8 pp. 30.15. SBN 580 02120 3.

Establishes a series of nominal sizes from 2.25 X 3.25 in<sup>2</sup> to 30 X 40 in<sup>2</sup>.

The appropriate cutting sizes and tolerances on the length, width and squareness are laid down. The method of notching the film to indicate the emulsion side is given, and the manner in which the nominal size is to be marked on packaged film is also specified. - BS Yearb.

BS1808. Sizes and recommended layouts of commercial forms. Part 1:1970. Letterheads and forms other than those produced on rotary presses. 30.80.

Part 2:1967. Continuous stationary (for general office use). 16 pp. 30.30. SBN 580 02001 0.

Part 2 gives range of standard sizes, details of the sprocket holes and requirements for the paper. Details of the make-up of sets of forms and storage conditions are included. An appendix gives the make-up of typical multi-part sets in current use. Part 1 replaces an edn of 1963.

BS1831:1969. Recommended common names for pesticides. 108 pp. 32. SBN 530 05349 0.

Provides coined names recommended for the identification of 278 pesticides. Chemical names, structural formulae, classification according to use (acaricide, avicide, bactericide, fungicide, herbicide, insecticide, molluscicide, nematocide, plant growth regulator, rodenticide) and other non-proprietary names. Appendixes listing common names for pesticides of uncertain composition, common names considered by ISO but not recommended in the standard, and organic pesticides not requiring common names. Index of all common names, chemical names and other names listed in the text. - BS Yearb.

BS1896:1960. Sizes of sensitized materials for document reproduction. 8 pp. 30.15. SBN 580 02412 1.

Tables of sizes of 9 types of sensitized materials for document reproduction in sheet and roll form. BS Yearb.

BS1917:1968. Slides and film strips. 12 pp. 30.30. SBN 580 00097 4.

Specifies details for 5 X 5 cm<sup>2</sup> and 7 X 7 cm<sup>2</sup> slides and film strips. - BS Yearb.

BS1928:1965. Processed disk records and reproducing equipment. 20 pp. CO.30. SBN 580 02343 5.

Dimensional and other characteristics necessary for interchangeability. - BS Yearb.

BS1957:1953. Presentation of numerical values (finess of expression; rounding of numbers). 16 pp. CO.50. SBN 580 02144 0.

Principles and rules for the presentation and interpretation of numerical values. A standard system of rounding is fully explained and numerous examples are included. The layout of numbers is considered and recommendations are made for the presentation of very large and very small values. - BS Yearbook

BS1991. Letter symbols, signs and abbreviations. Part 1: 1967. General. 48 pp.CO.80. SBN 580 0 2265 X. Part 2:1961. Chemical engineering, nuclear science and applied chemistry. 48 pp. CO.80. SBN 580 02275 7. Part 3:1961. Fluid mechanics. SBN 580 02285 4. 36 pp. CO.37½. Part 4:1961. Structures, materials and soil mechanics. SBN 580 02295 1. 52 pp. CO.62½. Part 5:1961. Applied thermodynamics. SBN 580 02305 2. 32 pp. CO.37½. Part 6:1963. Electrical science and engineering. SBN 580 02315 X. 52 pp. CO.75.

Corresponds closely to R31 of ISO and more comprehensive, in symbols for quantities. Each part is self-contained with a selection of general symbols. Advice on use of rom., ital. and bold, and of subscripts and superscripts (Part 1) is as comprehensive as anywhere. Advice on abbreviations is inadequate. Part 4 contains material useful for the soil scientist as well as the engineer. See also IEC 27 and 206, and IUPAC (1970).

BS2468:1963. Glossary of terms relating to agricultural machinery and implements. 96 pp. SBN 580 02089 4. CO.50.

Contains terms and definitions for machinery and implements, parts and accessories. Comprehensive index. Numerous illustrations (identical with those used in the De-En-Fr-Es-It-Nl Multilingual Illustrated Dictionary of Farm Implement(s) and Machinery (H.Steinmetz, 524 Betzdorf/Sieg, West Germany).

BS2489:1954. Sequence of measurements for printed matter(including advertisements and printing plates). 12 pp. CO.40. SBN 580 02289 7.

Specifies the sequence to be adopted in expressing dimensions irrespective of the units of measurement used, but does not deal with sizes as such. An appendix lists methods of measuring related items. -BS Yearb.

BS2474:1965. Recommended names for chemicals used in industry. 74 pp. CO. SBN 580 02149 1.

Summary of rules to show principles of nomenclature. Part 1 gives recommended names for chemicals used in industry and Part 2 deals with steroids; many recommended names are accompanied by others designated as deprecated. Part 3 lists recommended names for grades of certain chemicals listed in Part 1. - BS Yearb.

BS2509:1970. Presentation of serial publications, including periodicals. 14 pp. £0.50. SBN 580 06054 3.

Excellent handbook for authors and editors. Based on ISO/R8, R18, R30, R125, R214 and R215.

BS2650:1955. Four-colour offset lithographic inks. 38 pp. £0.35. SBN 580 02692 2.

BS2698:1960. Containers and notes for filmstrips. 12 pp. £0.20. SBN 580 02593 4.

Specifies dimensions and certain other details for unit containers and details of labelling and identification marking. Also page size, cover and binding edge of filmstrip notes. Examples of outer container are illustrated.  
- BS Yearb.

BS2961:1967. Typeface nomenclature and classification. 12 pp. £0.25. SBN 580 02768 6.

BS2979:1958. Transliteration of Cyrillic and Greek characters. 24 pp. £0.75. SBN 580 02968 9.

Corresponds to Variant 2 of ISO/R9. The standard also gives the 'international system' as given in the obsolete 1st edn of R9. For Gr, it corresponds to R843.

BS3020:1959. Improved inks for letterpress four-colour printing. 12 pp. 5 plates. £0.30. SBN 580 02839 9.

BS3048:1958. Sizes of posters. 8 pp. £0.15. Amendment PD 3231, 1958. SBN 580 03090 3.

BS3174:1959. Alpha-numeric punching codes for data processing cards (nominal size  $7\frac{3}{8}$  in  $\times$   $3\frac{1}{4}$  in). 20 pp. £0.25. SBN 580 034 62 3.

Simple codes using either one hole in a single column or one or two holes in a single column for each number, and two holes in a column for each letter. It does not specify codes for special characters. - BS Yearb.

BS3203:1964. Glossary of paper, stationery and allied terms. 44 pp. AMD 234, 1969. SBN 580 03463 1.

Reproduces ISO/R66, 135, 231, 372. An appendix gives ISO terms unacceptable in GB and another gives reasons.

BS3327:1961. Stationery for quantity surveying. 16 pp. £0.40. SBN 580 03406 2.

Two paper sizes and dimensions of columns for left-hand and right-hand bill papers and dimension papers for quantity surveying. It does not cover papers for printing and offset.

BS3429:1961. Sizes of drawing sheets. 8 pp. Amendment PD 5617, 1965. £0.30. SBN 580 03229 9.

Based on ISC A1, A2, A3 and A4.

BS3480:1962. Data processing codes for punched tape. 24 pp. £0.30. SBN 580 03521 2.

Codes for 4, 5, 6, 7 and 8 tracks, and the international Telegraphic Alphabet No 2.

BS3527:1962. Glossary of terms relating to automatic data processing. 132 pp. £1.50. SBN 580 03712 6.

Terms and definitions on data processing and on computers, mathematical terms, presentation of data, operations, programming, reliability, maintenance, electronic techniques, logic design, storage equipment, units and functioning of equipment, punched card, paper tape and printing equipment, analogue and incremental computers. Comprehensive index. -BS Yearb.

BS3649:1963. Original printing plates. 8 pp. £0.15. SBN 580 03625 1.

Specifies depth of etch for half-tone and line printing plates used for direct flat-bed printing or duplication. An appendix gives guidance on the use of the plates. - BS Yearb.

BS3658:1963. Magnetic tape for automatic data processing. 20 pp. £0.30. SBN 580 03705 0.

BS3669:1963. Recommendations for the selection, formation and definition of technical terms. 20 pp. £0.25. SBN 580 03825 4.

Besides a procedure for establishing and defining terms, it recommends ways of expressing and amplifying definitions singly or in glossaries. See also ISO/R704.

BS3700:1964. Recommendations for the preparation of indexes for books, periodicals and other publications. 32 pp. SBN 580 03766 5. £0.60

Excellent. Corresponds closely to ANSI.Z39.4-1959 and to ISO/R999.

BS3732:1964. Precision spools for data processing magnetic tape. 16 pp. £0.25. SBN 580 03747 9.

BS3763:1964. International System (SI) units. 16 pp. £0.40 SBN 580 03568 9.

Account of SI as approved by CGPM in 1960. It does not take account of later developments and is therefore to some degree obsolete.

BS3814:1964. Glossary of letterpress rotary printing terms used in connection with newspaper, magazine and similar machines. 36 pp. £0.50. SBN 580 03589 1.

BS3862:1965. Recommendations for symbols for languages, geographical areas and authorities. 20 pp. £0.30. SBN 580 04100 X.

See also ISO/R639.

BS3880:1965. The dimensions of punched paper tape for data processing. 12 pp. £0.25. SBN 580 04320 7.

BS3882:1965. Recommendations and classification for top soil. 12 pp. £0.30. SBN 580 04340 1.

Description of topsoil, classification by texture, pH, stone content, and size of stones. Notes on soil testing and designation. Internationally the FAO and American systems of soil classification were accepted by the International Society of Soil Science, Adelaide, 1968.

BS3967:1966. Representation on one inch punched tape of 6 and 7 bit coded character sets for data interchange. 12 pp. SO.23. SBN 580 04273 1.

The character sets are those approved by the ISO Technical Committee on data processing and computers.

BS3968:1968. 7 track magnetic tape for data interchange recorded at 200 r.p.i. (= rows per inch). 28 pp. SO.50. Amendment PD 5893, 1966. SBN 580 04283 9.

Sections give definitions, physical properties and tests, the form of recording and encoding 6 and 7 bit characters, and spools, notes on transportation of tapes.

BS3975. Glossary for landscape work. Part 4:1966. Plant description. 28 pp. SO.37½. SBN 580 04363 0.

Plant types; plant parts; plant forms; general character; particular character; commercial classes.

Part 5:1969. Horticultural, arboricultural and forestry practice. 48 pp. SO.80. SBN 580 00494 5.

Nursery practice, horticultural upkeep and ground maintenance, tree work and forestry.

BS4000:1968. Sizes of paper and board. 20 pp. SO.40. SBN 580 00251 9.

Trimmed sizes of machine-made papers and boards and certain categories of printed matter and untrimmed sizes of writing and printing papers and boards from which the trimmed sizes can be obtained; packaging and labelling. Sizes are ISO; appendixes give traditional GB sizes and ISO preferred basis weights. Does not necessarily apply to newspapers, posters, continuous stationary. - BS Yearb.

BS 010:1966. Guide to the specification of magnetic cores for use in coincident current matrix stores. 20 pp. SO.62½. SBN 580 04244 8.

For coincident current matrix stores with nominal 2:1 selection ratios. Description of current pulses and core responses, derived core characteristics. Test requirements. Specification of cores and presentation of information.

BS4058. Data processing problem definition and analysis. Part 1:1966. Flow chart symbols. 11 pp. SO.30. SBN 580 04235 9.

Thirty basic symbols for data and program flow charts and conventions for their use. See ISO/R1028.

BS4148. The abbreviation of titles of periodicals. Part 1: 1970. Rules. SO.40.

In close accord with ANSI Z39.5. Part 2 will be the ICSU-AB Word-Abbreviation List and will be regularly updated. - Abstr.351 in Unesco Bull.Lib., Vol.24, No 5, p.287.

BS4149:1967. Glossary of paper/ink terms for letterpress printing. 16 pp. SO.30. SBN 580 04157 3.

BS4160:1967. Inks for letterpress three- or four-colour printing. 8 pp. SO.50. SBN 580 04267 7.

Complies with European Standard CEI 12-66 published by the European Committee of Paint and Printing Ink Manufacturers.

BS4187:1967. Microfiches. 16 pp. 00.25. SBN 580.04058 5.  
Amendment AMD 107, 1968.

Definitions of terms; dimensions, tolerances and form; dimensions of image-area and frames; requirements for titling, pagination, positioning of images and quality of microfiches. Conforms with ISO/R193.

BS4189:1967. Conventional typographical character for legibility tests. 8 pp. 00.20. SBN 580 04078 X.

Shape, dimensions, grouping and disposition of test characters for use in assessing the performance of reading apparatus and the quality of microcopies in respect of legibility. -BS Yearb.

BS4191:1967. Essential characteristics of 35 mm microfilm reading apparatus. 8 pp. 00.20. SBN 580 04088 4.

General requirements and types of apparatus; film image size, accommodation for films and reels, handling characteristics; screen luminance, magnification and image quality, film gate characteristics; limits of temperature rise.

BS4210. 35 mm microcopying of engineering drawings and associated data. Part 1:1967. Recommended procedures. 20 pp. 00.40. Amendment AMD 114, 1968; AMD 272, 1969. Part 3:1970. Aperture cards and copy cards. 00.60.

BS4212:1967. Guide to the selection of processes for reproducing drawings. 36 pp. 00.60. SBN 580 04318 5.

Choice of processes according to the purpose of the reproductions and to the life required of them.

BS4245:1968. Recommendations for solutions used in chemical analysis: terminology, presentation and concentration. 12 pp. 00.30. SBN 580 00065 6.

Terminology, preferred concentrations in both molarity and mass/volume systems, instructions for preparing less usual solutions.

BS4277:1968. Glossary of terms used in offset lithographic printing. 48 pp. 01. SBN 580 00051 6.

Copy preparation; photographic and associated operations including colour separation; plates and plate making; printing and machines and equipment. - BS Yearb.

BS4280:1968. Transliteration of Arabic characters. 8 pp. 00.40. AMD 317, 1969. SBN 580 00050 8.

Conforms with ISO/R233.

BS4335:1968. Glossary of terms used in project network analysis. 12 pp. 00.30. SBN 580 00274 8.

BS4421:1969. A digital input/output interface for data collection systems. 24 pp. 00.50. SBN 580 04459 9.

A voltage interface suitable for connecting input/output data collection devices to digital systems. It is not intended to replace manufacturers' internal interfaces. Provision is made for 10 lines, 8 of which are data lines with an additional parity line. Electrical and physical specifications and a clause on device marking are given. A waveform and timing diagram together with supplementary information on cable are included. -BS Yearb.

BS4446:1969. Presentation of conference proceedings. 12 pp. 30.30. SBN 580 05448 9.

A simple internationally acceptable standard. It defines conference and proceedings, and gives specifications for name of conference and title of proceedings, cover title and prelims, order and heading of papers, discussion and index.

BS4462:1969. Guide for the preparation of technical sales literature for measuring instruments and process control equipment. 12 pp. 30.30. SBN 580 05259 1.

Specifications for format, filing size and scope of information for technical specifications and descriptions. - BS Yearb.

BS4488:1969. Nomenclature for spices and condiments. 20 pp. 30.50. SBN 580 05771 2.

Entries for 68 plants yielding spices and condiments, listed in alphabetic order of taxonomic name. Each entry names part used, common name for spice or condiment in En, Fr, Ru and transliterated Ru. Index of En names. Content agrees with ISO/R676. - BS Yearb.

BS4492:1969. Glossary of terms relating to dentistry. 128 pp. 30.60. SBN 580 05951 0.

Glossary of clinical terms, materials and equipment.

BS4503: 9 Track magnetic tape for data interchange. Part 1:1969. Tape recorded at 800 rows per inch. 32 pp. 30.60. SBN 580 05732 1.

Specifications for  $\frac{1}{2}$  in tape; details of spool; notes on transport.

BS4505: Digital data transmission. Part 1:1969. Basic mode control procedures. 32 pp. 30.60. SBN 580 05752 6.

Describes implementation of the GB 7-bit data code for information interchange on data transmission channels. Gives basic mode control procedures for transmission over one link at a time; to be applied at the interface between data communication and data terminal equipment. - BS Yearb. Part 2:1969. Character structure for start/stop and synchronous transmission. 8 pp. 30.30. SBN 580 05772 0. Part 3:1969. The use of longitudinal parity to detect errors in information messages. 3 pp. 30.30. SBN 580 05062 3.

BS4605:1970. Presentation of library directories. 30.40. Abst.63 in Unesco Bull. Libr., Vol.25, No 1, p.56.

BS4623:1970. Folded continuous stationary for use with high speed impact printers. 30.50.

BS4636:1970. Punched cards. Part 1. Unpunched paper cards. 30.50. Part 2. Dimensions and location of rectangular holes in 12-row, 80-column punched cards. Price 30.50.

Other parts will deal with representation of 7-bit and 8-bit codes in 12-row 80-column cards.- Unesco Bull. Libr., 1971, Vol.25, No 4, p.240.

BS4719:1971. Title leaves of a book. 30.30.

Information on what should be given on title leaves of books; notes on how to present the information; recommendations on dating (formerly in BS1413:Part 2:1947); based on ISO/R1086. - Unesco Bull.Lib., 1971, Vol.25, No 6, p.363; Aslib Proc., 1971-05, Vol.23, No 5, p.221-222.

BS4748:1971. Specification for bibliographic information interchange format for magnetic tape. ISBN 580 06562 6. 11 pp.

Listed Aslib Proc., 1971-11, Vol.23, p.611.

BS4755:1971. Presentation of translations. SO.95.

Based on ISO/Dr2384. Lists essential information for title leaves about the original as well as the translation, and optional useful information. Recommends arrangement for headings, tables and illustrations, and ways of dealing with particular features of the original text. Does not deal with translation technique, though some aspects of presentation depend partly on this, e.g. translator's notes. - Aslib Proc., 1971-11, Vol.23, p.510; FID News Bull., 1971, Vol.21, No 9, p.106.

BS4762:1971. Specification for book numbering. SO.30.

The Standard Book Numbering Agency introduced in 1967 a standard system of book identification numbers. The scheme is now adopted internationally and this Standard is based on ISO/Dr2108. It describes how ISBNs are constructed. An appendix describes the functions of an international standard book numbering agency. - Aslib Proc., 1971-10, Vol.23, p.510.

Handbook 18: 1966. Metric standards for engineering. 584 pp. S3. Amendment PD 6287, 1968. SBN 05465 9.

Draws on BS, ISO and established specifications in metric countries. Described SI, methods of setting metric measures in texts and drawings, and recommendations for sizes in engineering practice. Lists relevant ISO standards and drafts. -BS Yearb.

PD 5686:1969. The use of SI units. 28 pp. SO.20. SBN 580 05106 4.

Conforms with ISO/Dr1557 on the use of SI units. Lists the 6 basic units approved by ICWM in 1960 and a selection of coherent derived units, including those with special names. Gives rules for forming and selecting decimal multiples and submultiples for various fields of technology. Recommended by Royal Society of Medicine's Guide for Authors and Editors. - BS Yearb.

Publ.69/27521. Metric equivalents of traditional British sizes of printing and writing papers. 4 pp. SO.20. SBN 580 05516 7.

### Additions

BS308:1964. Engineering drawing practice. 104 pp. SO.75. Amendment PD5716, 1966; 247, 1969. SBN 580 00773 1.

Recommended by Institute of Physics (London). See also ISO/R128, 129 and 406. Principles and methods with examples; dimensioning and tolerancing; geometrical tolerancing for correct mating of parts made independently; dimensioning and tolerancing of profiles, circular and cylindrical sections; surface texture and machining process indications; comparison of GB, Canadian and ASA practice; ASA and tentative ISO geometrical tolerance symbols; projection-system symbols from ISO/R128; drawing sizes from BS3429.

BS308:Supplement No 1:1967. The preparation of drawings suitable for microfilming. 8 pp. SO.15. SBN 580 00783 9.

BS308A:1964. Abridged edition of BS308, Engineering drawing practice for the use of students. 43 pp. SO.40. SBN 580 00793 6.

BS3939. Graphical symbols for electrical power, telecommunications and electronics diagrams. 22 parts have been issued and there is one supplement (up to 1969). Institute of Physics (London) recommends especially:

Introduction: 1966. 12 pp. £0.30. SBN 580 04372 X.

Sections 1 to 4: 1966. 12 pp. £0.75. SBN 580 043 82 7.

Comprises: 1. General qualifying and supplementary symbols; 2. Unclassified symbols; 3. Conductors and connecting devices; 4. Resistors.

Section 5: 1966. Capacitor. (See IEC 117-7)

Section 6: 1966. Inductors, transformers and transducers. 36 pp. £0.70. SBN 580 04392 4.

BSI PD 6461/International Organization of Legal Metrology. 1971. Vocabulary of legal metrology - fundamental terms. 180 pp. 35.

Unofficial BSI translation of the official OIML version in Fr, edn of 1969-03.- Nature, 1972-02-18, Vol. 235, No 5338.

Netherlands Standards (NEN) of the Netherlands Standardization Institute (NNI), Polakweg 5, Rijswijk (South Holland)

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NNI & Kon.Inst.v.Ingenieurs (Royal Netherlands Institute of Technical Graduates. (1939). Indeeeling en benaming van grondsoorten: toelichting bij de normaalbladen N 209, N210 en N 213. (Classification and nomenclature of soil types: explanation of the standards NEN 209, 210 and 213.) 15 pp. f6.75.

NEN 13. 1966. Technische tekeningen: schalen. (Technical drawing: scales.) 2 pp. f4.50.

NEN 25. 1964. Stuknummers. (Serial numbers.) 2 pp. f4.50.

NEN 209. 1939-09. Indeeeling en benaming van grondmonsters: hoofddeeling. (Classification and nomenclature of soil samples: main divisions.) 2 pp. f4.50.

NEN 210. 1939-09. Indeeeling en benaming van grondmonsters: nadere indeeling van zand en grind op grondslag van de korrelgrootte. (Classification and nomenclature of soil samples: further classification of sand and gravel on the basis of grain size.) 2 pp. f4.50.

NEN 213. 1939-09. Indeeeling en benaming van grondmonsters: methoden voor onderzoek van zand en grind. (Classification and nomenclature of soil samples: methods of testing sand and gravel.) 1 p. f4.50.

NEN 333. 1965. Symbolen voor eenheden. (Symbols for units.) 7th ed. 4 pp. f6.75.

NEN 354. 1942. Symbolen voor toegepaste mechanica: algemeen. (Symbols for applied mechanics: general.) 2 pp. f4.50.  
(NEN 355, of the same series, is for mechanics of concrete)

NEN 360. 1949. Symbolen voor wettelijke tijdseenheden: aanduiding van een tijdstip en van een tijdsduur (met toelichting). (Symbols for legal units of time: notation for a moment and a period of time, with explanation.) 4 pp. f6.75.

NEN 381. 1962. Papierformaten. (Formats of paper.) 2 pp. f4.50.

NEN 632. 1962. Correctietekens voor drukproeven. (Correction signs for printer's proofs.) 2 pp. f4.50.

NEN 782. 1962. Afkorting van tijdschriftentitels. (Abbreviation of serial titles.) 6 pp. f9.

NEN 783. 1962-07. Titelvoet van tijdschriften. (Bibliographical strip in periodicals.) 2nd ed. 2 pp. f4.50.  
Based on ISO/R30.

NEN 917. 1962. Literatuurverwijzing. (Literature references.) 4 pp. f6.75.  
An inadequate standard.

NEN 950. 1969. Grootheden, SI-eenheden en hun symbolen: algemene beschouwingen over het SI. (Quantities, SI units and their symbols: general considerations over the Système Internationale.) 24 pp. f18.

NEN 969 (draft). 1951. Indeling en benaming van grondsoorten, signaturen en tekensymbolen. (Classification of soil types: signs and letter symbols.) 6 pp. f9.

NEN 972 (draft). 1952. Symbolen voor de wiskunde voor gebruik in drukwerk. (Symbols for use in printing mathematics.) 4 pp. f6.75.

NEN 978. 1965. Richtlijnen voor het beschrijven van methoden voor chemisch en fysische onderzoek. (Guidelines for describing methods of chemical and physical research.) 20 pp. f13.50.

NEN 1047. 1968. Receptbladen voor de statistische verwerking van waarnemingen (losbladig met correctieblad - 1968). (Instruction sheets for statistical analysis of observations, looseleaf with 1968 correction sheet.) pp.50. f22.50.

NEN 1221. 1968. Grootheden, SI-eenheden en hun symbolen. 1. Ruimte en tijd. 2. Periodieke en exponentiele verschijnselen. (Quantities, SI units and their symbols. 1. Space and time. 2. Periodic and exponential phenomena.) 4 pp. f6.75.

NEN 1222. 1968. Grootheden, SI-eenheden en hun symbolen: mechanica. 1. Dynamica en statica. 2. Deformatieverschijnselen. 3. Wrijving. (Quantities, SI units and their symbols: mechanics. 1. Dynamics and statics. 2. Deformational phenomena. 3. Friction.) 4 pp. f6.75.

NEN 1223. 1968. Grootheden, SI-eenheden en hun symbolen: electriciteit. 1. Electriciteit. 2. Magnetisme en inductie. 3. Impedantie en vermogen. (Quantities, SI units and their symbols: electricity and magnetism. 1. Electricity. 2. Magnetism and induction. 3. Impedance and capacity.) 4 pp. f6.75.

NEN 1224. 1968. Grootheden, SI-eenheden en hun symbolen: warmte en materie. 1. Temperatuur. 2. Warmte. 3. Warmtetransport. 4. (Chemische) materie. 5. Stofftransport. (Quantities, SI units and their symbols: heat and matter. 1. Temperature. 2. Heat. 3. Heat transport. 4. (Chemical) matter. 5. Transport of matter.) 4 pp. f6.75.

NEN 1267. 1941. Symbolen voor de wiskunde. (Symbols for mathematics.) 2 pp. f4.50.

NEN 1395. 1960-02. Griekse lettertekens voor toepassing als symbolen. (Greek letters for use as symbols.) 2 pp. f4.50.

NEN 1420. 1947. Symbolen voor de wiskunde: beschrijvende meetkunde. (Symbols for mathematics: descriptive mensuration.) 2 pp. f4.50.

NEN 1452. 1960. Rugtitel op boekwerken en dergelijke. Spine title on books and similar works.) 2 pp. f4.50.

NEN 2295 (draft). 1969. Terminologie voor dunnelaagchromatographie. (Terminology for thin-layer chromatography.) 6 pp. f2.25.

NEN 2350. 1966. Lijnsoorten. (Types of lines.) 2 pp. f4.50.

NEN 2351. 1966. Aanzichten. (Perspectives.) 2 pp. f4.50.

NEN 2390. 1963-01. Persklaar maken van kopij voor boeken, brochures, en tijdschriften. (Preparation of printer's copy for books, brochures and journals.) 4 pp. f6.75.

NEN 3017. Nederlandse Planteziektenkundige Vereniging. 1959-08. Nederlandse namen van planteziekten bij fruitgewassen. (Dutch names of diseases of fruit crops.) 12 pp. f11.25.

NEN 3030. Nederlandse Planteziektenkundige Vereniging. 1961. Nederlandse namen van planteziekten bij groentegewassen. (Dutch names of diseases of vegetable crops.) 20 pp. f13.50.

NEN 3044 (draft). Nederlandse Plantenziektenkundige Vereniging. 1954-10. Bestrijdingsmiddelen voor plantenziekten en schadelijke dieren: namen en afkortingen. (Chemicals for control of plant diseases and pests: names and abbreviations.) pp.24. f18.

Corresponds where possible to names recommended by the US Interdepartmental Committee on Pest Control and to BS 1831: Pt 1:1952.

NEN 3069. 1957-02. Grootheden, eenheden en getallen: schrijfwijze. (Quantities, units and numbers: way of writing.) 4 pp. f6.75.

NEN 3094. 1969. Technische tekeningen: schrift (letters, cijfers en leestekens). (Technical drawings: writing (letters, figures and punctuation).) 6 pp. f9.

NEN 3117. 1968. Statistische termen. (Statistical terms.) 24 pp. f18.

NEN 3136. 1963. Nederlandse namen voor plantenziekten bij landbouwgewassen. (Dutch names for diseases of agricultural crops.) 18 pp. f13.50.

NEN 3162. 1967. Indelen en typen van documenten. (Arrangement and typing of documents.) 16 pp. f18.

NEN 3167. Nederlandse Plantenziektenkundige Vereniging. 1958. Nederlandse namen van geleedpotige dieren, schadelijk voor de voornaamste land- en tuinbouwgewassen. (Dutch names of arthropods harmful to the main agricultural and horticultural crops.) f22.50. (pagination not listed in NNI catalogue)

NEN 3188 (draft). 1962-04. Terminologie: begripsvorming en definiëring. (Terminology: forming concepts and defining.) 17 pp. f4.50.

Based on work of ISO/TC 37 and DIN 2330 but needs updating in the light of recent ISO standards.

NEN 3236 (draft). 1961. Reproduceerbaarheid van getekende, geschrevene, getypte en gedrukte documenten: richtlijnen. (Reproducibility of drawn, written, typed and printed documents: guidelines.) 6 pp. f2.25.

NEN 3295. 1968. Regels voor de nomenclatuur in de organische chemie: nederlandse bewerking der IUPAC Nomenclature of Organic Chemistry. (Rules for nomenclature in organic chemistry: Dutch rendering of the IUPAC Nomenclature of Organic Chemistry.) 112 pp. f31.50.

Obsolete in view of the revised IUPAC rules of 1968 and 1971.

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