

CLASSIFICATION LITERATURE 1 (1974) No. 2 (522 – 753)

Outline of form and subject categories of the field of classification science and applied classification

0 Form divisions

- 01 Bibliographies
- 02 Literature reviews
- 03 Classification systems & thesauri (single universal systems; editions of the UDC, DDC, LCC, BC, CC & BBK; ed. of special systems)
- 04 Terminology(ies) of classification
- 05 Proceedings of class. conferences
- 06 Periodicals and serials
- 07 Text books (wholefield)¹
- 08 Other monographs (wholefield)¹
- 09 Standards and guidelines

1 Theoretical foundations

- 11 General theory of order (taxonomy, classification and thesaurus theory)
- 12 Conceptual basis of classification
- 13 Logic and mathematics of class.
- 15 Psychology & epistemology of class.
- 16 Development of science and class.
- 17 Classification problems
- 18 Classification research
- 19 History of classification

2 Structure and construction of CS²

- 21 General questions of structure
- 22 Elements and spec. structures of CS
- 23 Construction of CS
- 24 Relationships
- 25 Sequencing of concepts/classes
- 26 Notation
- 27 Updating, storage & maintenance of CS
- 28 Compatibility and concordances of CS
- 29 Evaluation of CS

3 Classing and indexing (methodology)

- 31 Theory of classing and indexing
- 32 Subject analysis
- 33 Classing and indexing techniques
- 34 Automatic indexing
- 35 Reclassification
- 38 Index generation programming
- 39 Evaluation of indexing

4 On universal systems

- 41 On universal CS in general
- 42 On the UDC
- 43 On the DDC
- 44 On the LCC
- 45 On the BC (Bliss Classification)
- 46 On the Colon Classification
- 47 On the BBK (Bibliothekar.-Bibliogr. K1.)
- 48 On other universal CS (alph.)

5 On special objects CS (taxonomies)

- 51 Numerical taxonomy (Outline follows from here a general scheme for *object areas*, to be publ. later)
- 52 On taxonomies/CS for chemicals
- 53 On taxonomies for minerals, etc.
- 57 On commodity classification(s)
- 58 On CS for kinds of documents (maps, slides)
- 59 On CS for languages, persons, cultural objects)

6 On special subject CS

- (Outline follows a general scheme for *subject areas* to be published later)
- 61 On CS for mathematics and area 1 fields
- 62 On CS for physics and chemistry
- 63 On CS for the astro- and geosciences
- 64 On CS in the bio-area
- 65 On CS in the human area (med., psychol., education, profession, sport, etc)
- 66 On CS in the socio-area
- 67 On CS in the economics & technol. area
- 68 On CS in the science & inform. area
- 69 On CS in the culture area

7 Classification and language

- 71 General problems of natural language, metalanguages, text theories
- 72 Semiotics – semantics
- 73 Automatic language processing
- 74 Question-answering systems
- 77 Problems of translation (incl. transl. of CS)
- 78 General problems of terminology

8 Applied classing and indexing

- 81 General problems (index criteria, etc.)
- 82 Indexing of data
- 83 Indexing of and by titles, phrases
- 84 Indexing of texts (abstracts, passages)
- 85 Book indexing
- 86 Indexing of classification systems
- 87 Indexing of catalogs bibliographies, abstracting services

9 Classification "milieu"

- 91 Persons in class., biographies
- 92 Institutions concerned with class.
- 93 Education and training in class. & ind.
- 95 Administration of class. work & centers
- 96 Organisat. of class. on natl. & intern. level
- 97 Economic & social aspects & effects
- 98 Classification policy
- 99 Standardization in class. & indexing

- 1 Monographs on special topics at spec. subdivisions
- 2 CS stands for Classification systems including thesauri

We herewith update and continue the citations of the form divisions in the field of classification, covering the period 1959–1974 except for the references to thesauri which cover the period 1972–1974 only. The next issue will contain a survey of the literature of the past years arranged according to the outline shown on the reverse page.

01 Bibliographies

522 Altmann/Gärtitz (Comp.): **Klassifikations-, Schlüssel- und Nummernsysteme.** Auswahlbibliographie. (1967–1973). Leipzig: Institut für Verwaltungsorganisation und Bürotechnik 1973. 19 p., M 2.30
46 references with abstracts, subject arrangement.

523 Chiyoowa, Ch., Häfner, C. (Comp.): **Bestandsverzeichnis Thesauri.** (List of thesauri held in the Library of ZDOK) Frankfurt: Deutsche Gesellschaft für Dokumentation. Dokumentationszentrum für Informationswissenschaften (ZDOK) 1974. 6 p. = DGD-Schrift (ZDOK) 5/74

List of 135 thesauri arranged according to broad subject areas published between 1961 and 1974.

524 Laureilhe, M.-T.: **Cinquième complément à la bibliographie des thesauri et index par matières parus depuis 1960** (au 31 décembre 1973). In: Bull. Bibl. France 19 (1974) No. 5, p. 257–262

Lists 62 new thesauri (since the last list of March 1973) of which 35 are not in the holdings of the Bibliothèque nationale. In an Appendix, 15 Thesauri are listed that are being developed only.

525 Maisel, H., Hill, L. R.: **A KWIC-Index of publications in Numerical Taxonomy in the period 1948–1968.** (Compiled from Taxometrics Nos. 1–2) Washington, D. C.: 1969.

526 International Federation for Documentation (FID): **75 Years of FID Publications. A Bibliography, 1895–1970.** The Hague: FID 1970. 70 p. = FID 469

The bibliography lists the 471 publications registered between 1895 and 1970. The total number of volumes published, however, is far bigger because of journals, series, works in several volumes and reprints or revised editions all bearing one and the same publication number.

The bibliography contains also a great number of titles referring to classification, especially to the UDC.

„Hidden“ Bibliographies

527 Überla, K.: **Literatur (zur Faktorenanalyse).** In: Überla, K.: Faktorenanalyse. Berlin etc.: Springer Verlag 1968. S. 376–392

519 titles concerning factor analysis. Included are also references concerning numerical taxonomy, cluster analysis and the mathematical methods.

528 Batten, W. E.: (Cited literature to) **Document description and representation.** In: Ann. Rev. Inform. Sci. & Technol. 8 (1973) p. 63–68

111 references in alphabetical order.

02 Literature Reviews

529 Gopinath, M. A.: **Classification Research (India): 1968–1973.** Bangalore, Indien: Documentation Research and Training Centre 1974. 78 p. = FID/CR Report No. 14

Report on 19 topics, treating the whole spectrum of classification theory and classification systems, as investigated in India during 1968–1973. Glossary (18 terms). Bibliography (171 ref.).

530 Keenan, Stella: **Progress in automatic indexing and prognosis for the future.** In: Clifton, J. A., Helgeson, D. (Eds.): Computers in information data centers. Montvale, N. J.: AFIPS Press 1973. p. 97–104.

03 Classification Systems & Thesauri

531 Centre National de la Recherche Scientifique: **P. A. S. C. A. L. Bulletin Signalétique. 1974. Plan de Classement.** Paris: Centre de Documentation du CNRS 1974. 112 p.

Contains a survey on the sections 101–970 of the Bulletin, advice on the use of the indexes to it, an alphabetical subject index to the classification and the subdivisions of each of the sections.

532 Hirschberger, E.: **Systematischer Katalog und systematische Unterteilung im geographischen Katalog der Bayerischen Staatsbibliothek.** Allgemeine Schlüssel, Normierungen, Hauptklassenverzeichnis. Wiesbaden: Harrasowitz 1972. LVI, 447 p.

This second volume (the geographic auxiliaries having been published already in 1964) of classes of the analytic classification system of the Bavarian State Library contains a comprehensive introduction into the classification system and the tables for the form, time, and language auxiliaries. Besides this the tables for a so-called „Materialschlüssel“ are given (concepts playing the role of the Ranganathan energy facet) as well as the tables for the main classes of the subject classification, however, not as yet their subdivisions.

533 Hochschulverband, Bonn: **Fächerkatalog. Göttingen: Schwartz 1973.** 207 p. = Schriften des Hochschulverbandes 25. DM 14.80

Systematic presentation of 88 subject areas, 779 subareas and 2268 subject fields which are taught at German universities in the last years. Alphabetical index.

534 **Tezaur National Politematic.** Bucarest, Rumania: Institutul National de Informare si Documentare Stiintifica si Tehnica 1973. 2 vols.

Thesaurus contains more than 20000 terms from over 70 scientific and technical disciplines. Vol. 1: alphabetical list of terms with their relationships, Vol. 2: 330 arrowgraphs, each for a separate branch.

Universal Decimal Classification, UDC

535 Deutscher Normenausschuß (Hrsg.): **Dezimalklassifikation. Deutsche Kurzausgabe.** 4. vollst. überarb. Aufl. mit einer Einführung in die Anwendungstechnik der Dezimalklassifikation und einem Alphabetischen Sachverzeichnis.

zeichnis. Berlin: Beuth Vertr. 1973. 283 p., DM 84,— = FID 487

Contains about 10% of the amount of the full edition, that is here altogether 12 275 UDC-Codes. It is based on the German Full Edition as revised until June 30, 1971.

36 **Korean Abridged Edition of the UDC.** Seoul: Korea Scientific and Technological Information Center (KORSTIC) 1973. 284 p. = FID 505

537 **Classificazione Decimale Universale. Edizione media italiana.** Roma: Consiglio Nazionale delle Ricerche, Laboratorio di Studi sulla Ricerca e sulla Documentazione 1974. 119 p., L 2,000. = FID 503

Contains: Introduzione generale. Tavole auxilinarie. Classe 0 Generalità. It includes the detailed new geographical subdivisions of Italy: regions, provinces and municipalities.

538 **Uniwersalna Klasyfikacja Dziesietna.** Pierwsze wydanie pośrednie w języku polskim. (Polish Medium UDC Edition, first volume). Warsaw: Instytut Informacji Naukowej, Technicznej i Ekonomicznej 1974. = FID 502

Contains the auxiliary tables and classes 0 to 3.

539 **Univerzalna Decimálna Klasyfikacija,** Prva Slovenska Srednja Izdaja. (Slovene Medium UDC Edition) Beograd: Jugoslovenski Centar za Tehnično i Znanstveno Dokumentacijo 1973. = FID 491

So far, classes 2, 64, 669, 63 – with alphabetical index – have been published.

Single issues of classes of full editions in any of the 23 languages in which UDC editions are available, are being published and revised constantly. We would like to refer to:

540 **FID Publications Catalogue 1974.** The Hague, Netherlands: International Federation for Documentation (7, Hofweg) 1974. 48 p. = FID 508

Dewey Decimal Classification, DDC

541 **Dewey Decimal Classification and Relative Index** devised by Melvil Dewey, Edition 18. Vol. 1: Introduction Tables, Vol. 2: Schedules, Vol. 3: Relative Index. Albang, N. Y.: Forest Press 1971. VIII, 269 p. \$ 45,—

Total entries now 26. 141; entries with built-in expansion: 3.389. Increase against Ed. 17: 3.786. The 18th edition contains a number of new auxiliaries, altogether now the following: 1. Standard Subdivisions, 2. Areas, 3. Subdivisions of individual literatures, 4. Subdivisions of individual languages, 5. Racial, ethnic, national groups, 6. Languages, 7. Persons. A glossary is given, defining 72 terms, mostly peculiar to the Dewey Decimal Classification. The schedules for law and mathematics have been completely revised.

542 **Classification Décimale de Dewey et Index;** première version française intégrale. Albany, N. Y.: Forest Press 1974. 2 vols., \$ 40.—

This translation has been prepared by the Groupe Lyonnais de Classification, Lyon, France and the Bibliothèque du Collège de Sainte-Anne-de-la-Pocatière, Canada. It is based on the 18th edition of the DDC.

Library of Congress Classification, LCC

543 **Library of Congress Classification Schedules:** a cumulation of additions and changes through 1970.

Intern. Classificat. 1 (1974) No. 2 Classification Literature

Detroit, Mich.: Gale Research Co. 1973. \$ 160.—

Contains 31 cumulations to the schedules. Cumulations of individual schedules are available separately.

544 Jones G. A., Weeks, E. H.: **An expansion of Library of Congress Classes PT 2600–2688.** In: *Libr. Resources & Techn. Services* 17 (1973) No. 1, p. 32.

Colon Classification, CC

545 Neelameghan, A., Gopinath, M. A., Seetharama, S.: **Colon Classification, Edition 7: Schedule of Basic Subjects.** In: *Libr. Science Slant Doc.* 10 (1973) No. 2, p. 222–260, 11 ref.

Schedule of basic subjects (main classes) and alphabetical index to them. The work in the notational plane and the devices used in constructing class numbers are explained.

Basic Versions of CC (Ed. 7)

546 Gopinath, M. A.: **Colon Classification for macro documents in chemistry.** In: *Libr. Science Slant Doc.* 10 (1973), Paper Y

547 Gopinath, M. A.: **Colon Classification for macro documents in history.** In: *Libr. Science Slant Doc.* 11 (1974) No. 1, paper B

Depth Versions of CC

548 Seetharama, S.: **Human nervous system: depth classification version of CC.** In: *Libr. Science Slant Doc.* 10 (1973) No. 1, p. 30–89, 2 tab., 13 ref.

A schedule of special components for forming compound isolates is given in addition. There is also an alphabetical index to the schedule, a list of 50 classified examples and an alphabetical index to the subjects.

549 Seetharama, S.: **Human skeletal system: depth classification version of CC.** In: *Libr. Science Slant Doc.* 10 (1973) No. 3, p. 344–392, 2 tab., 6 ref.

An alphabetical index and 50 examples classified according to the scheme are given in addition to the schedule.

Special Classification Systems and Thesauri

(arrangement according to the nine areas as outlined provisionally under group 6 of the general outline of this bibliography, see p. 107 of this issue; period covered: 1972–1974)

550 Eversberg, B.: **Dortmunder Systematik für Mathematik.** Stand 1.5.1973. Dortmund: Universität Dortmund, Bibliothek 1973. 32 p.

Classification for the field of mathematics in relation to the ca 10 000 mathematics volumes in the university library of Dortmund. The classification follows the Russian revision of the UDC.

551 Zentralinst. f. Information u. Dokumentation der DDR. Abt. Ordnungssysteme: **Thesaurus Naturwissenschaft und Technik.** 4 vols., 2nd ed. Berlin (Ost): ZIID 1973. 1120 p., 143 ref.

Vol. 1 contains the systematical part, vols 2-4 the alphabetical parts of this thesaurus for science and technology. There are altogether 20 000 descriptors and around 12 000 related terms. The systematic part contains only the descriptors arranged in 32 main groups and 313 subgroups.

552 Šemakin, Ju. I.: **Tesaurus naučno-techničeskich terminov**. Moskva: U. S. S. R. Ministerstvo oborony. Voennoe izdatel'stvo 1972. 671 p.

553 International Council of Scientific Unions. Abstracting Board (ICSU-AB): **Classification Scheme for Physics**. Preliminary edition (Draft) Paris: ICSU-AB 1974. 38 p. (available from: P. Clague, Current Services, INSPEC, Station House, Nightingale Road, Hitchin, Hertfordshire, England)

Division into 8 main classes with two more levels of subdivision. Notation built up on a centesimal basis for two levels; the next level is distinguished by capital letters.

554 Fields, B. J.: **INSPEC thesaurus**, a thesaurus of terms for physics, electrotechnology, computers and control. London: The Institution of Electrical Engineers 1973. XIV, 260, 42, 84 p.

555 **INIS Thesaurus**, Rev. 6. Wien: International Atomic Energy Agency 1974. 567 p. = IAEA-INIS 6
The present edition contains 12 519 descriptors and 3 662 non-descriptors.

556 Commissariat à l'Énergie Atomique. Documentation: **Thesaurus du système international de documentation SIDON**. 3rd ed. Paris: Bureau National de l'Information Scientifique et Technique 1973. 745 p.

557 Eglin, W., Krings, T., Schultheiß, G. F.: **REST-Thesaurus für das Informationssystem zur Reaktorsicherheit**. Karlsruhe: Gesellschaft für Kernforschung (GfK) 1974. 332 p., 3 fig., 10 ref. = KFK 1902

558 Max-Planck-Institut für Plasmaphysik, Garching: **Plasma physics index. Thesaurus**. Leopoldshafen: Zentralstelle f. Atomkernenergie-Dokumentation (ZAED) 1972. 18 p.

559 Max-Planck-Institut für Plasmaphysik, Garching: **Surface and vacuum physics index**. Index zur Oberflächen- und Vakuumphysik. Thesaurus 1972. Leopoldshafen: Zentralstelle für Atomkernenergie-Dokumentation (ZAED) 1972. 18 p.

560 Electricité de France. Centre de Documentation: **Thesaurus**. Vol. I: Liste alphabétique, index permuté. Vol. II: Liste par champ sémantique. Schémas fléchés. Clamart, France: 1973. Vol. I: XVI, 290, 271 p., Vol. II: VI, 891 p.

561 Zentralstelle Dokumentation Elektrotechnik e. V. beim VDE (ZDE): **ZDE-Thesaurus. Gesamtausgabe**. Ein Verzeichnis von inhaltskennzeichnenden Schlagwörtern zum Verschlüsseln und Wiederauffinden der elektrotechnischen Fachliteratur. Frankfurt/Main: ZDE 1974, 338 p.
Only alphabetical list covering electrotechnical terms and fringe field terms with the following indications to each descriptor - where applicable - : B = synonymous term, W = different spelling, E = English synonymous term, D = definition, ● = broad

der concept, S = partition concept, X = relation concept, U = narrower concept, T = partitive concept, G = contradictory concept, V = related concept. The thesaurus consists of 71 11 concepts and 8033 descriptors.

562 Lea, G., Charles, R., Shearer, J.: **GEOSAURUS: Geosystems' thesaurus for geoscience and guide to Geotitles Weekly**. London: Geosystems 1973. £ 5.- (UK and Europa), \$ 15.- (elsewhere)

Thesaurus based on experience of indexing the papers of "Geotitles Weekly", so far a sum of 300 000 ones. The thesaurus consists of four parts: a subject thesaurus, a geographical, a physio-graphical and a stratigraphic one with altogether 3000 terms. Almost 4000 additional terms are included in the alphabetical indexes.

563 Moniot, C.: **Thesaurus geomorphology**. Paris: Centre National de la Recherche Scientifique. Service de Documentation et de Cartographie Géographiques 1973. 115 p.

564 Institut de Céramique Française: **Thesaurus Céramique**. Sèvres: 1972. 243 p.

565 Colbach, R.: **Metallurgischer Thesaurus**. 1. Teil: Alphabetische Liste. S. D. I. M. Das metallurgische Dokumentations- und Informationssystem der Europäischen Gemeinschaften. Brüssel: Kommission der Europäischen Gemeinschaften 1972. 122 p.

566 Jones, K. P.: **Thesaurus of rubber technology**. Welwyn Garden City, England: Natural Rubber Producer's Res. Assoc. 1972. 65 p., 12 ref.

567 Biological Abstracts. Biosciences information service: **A guide to the vocabulary of biological literature: BIOSIS**. New ed. Philadelphia, Pa.: 1973. VIII, 126 p.

567a Blumenbach, D.: **Thesaurus Phytomedizin (Pflanzenkrankheiten und Pflanzenschutz)**. Berlin: Komn. Verl. P. Bary 1973. 145 p. DM 14,50 = Mitt. aus d. Biol. BA f. Land- und Forstwirtschaft. H. 155.

In this phytomedical thesaurus with about 400 descriptors and about 3000 lead-in terms the arrangement is as follows: "alphabetic index" of all terms with user recommendations or combination-advice; main part - descriptors in 12 systematic groups, arrangement within these groups alphabetically; alphabetic listing of the descriptors referring to the 12 groups; hierarchical references only to the main groups. Chemicals and organisms, numbering 3000 and 7000 respectively, are not listed in this thesaurus. Special rules for indexing these are supplied.

568 Leatherdale, D. (Comp.): **AGRIS Subject Categories**. Rome: Food & Agricultural Organisations (FAO). AGRIS Coordinating Centre 1974. 97 p. = FAO/AGRIS 3 (Rev. 1).
System given here differs radically from that given in earlier presentations, including that used for the 1973 issue of AGRINDEX. It contains the agricultural subject fields (around 80) for broad indexing or indication of aspects and object codes for plants and animals utilized by man as well as for kinds of foods. A last group contains the codes for geographical units. Rules for application of these different kinds of codes for the indexing within the International Information System for the Agricultural Sciences and Technology (AGRIS) are given.

569 Gaines, K.: **Subject headings on the environment and ecology**. In: Bookmark 31 (1972) No. 6, p. 183-184.

- 570 Centre Interprofessionnel d'Etudes de la Pollution Atmosphérique: **Thesaurus pollution atmosphérique**. Paris: 1973. 162 p.
- 571 Aitchison, J.: **Welfare of the elderly; classification schedules and thesaurus**. London: Aslib 1973. 2 vols. £ 6.50
A faceted classification and thesaurus prepared for the information services of the National Corporation for the Care of Old People and Age Concern.
- 572 Feinberg, H.: **Cosmetics-perfumery-thesaurus...** with an introduction by Th. Hines and J. L. Harris
New York: C. C. M. Information 1972. XXII, 106 p.
- 573 Koch, M. S.: **Biomedical thesaurus and guide to classification**. New York, N. Y.: CCM Inform. Corp. 1972. 195 p.
The thesaurus consists of about 5000 subject headings and cross references. Its major area of emphasis is the clinical sciences, and to a lesser extent the pre-clinical sciences. A guide to the use of the thesaurus is given. It is arranged alphabetically.
- 574 **Medical Subject Headings – Tree Structures 1974**. Bethesda, Md.: National Library of Medicine 1973. 343 p., \$ 6.–
Hierarchical display of the descriptors from MeSH (Medical Subject Headings) and others in order to reveal their respective coordinate, superordinate, subordinate and collateral relationships.
- 575 **Nomenclatura Codificada de Diagnósticos (NCD); bases para un Thesaurus de Terminología Clínica**. Valencia, Spain: Facultad de Medicina de Valencia. Centro de Documentación e Informática Médica 1972. 697 p.
List of approx 14 000 terms arranged according to broad categories of the International Classification of Diseases and alphabetical index referring to numbers of first section.
- 576 **Deutsches Krankenhausinstitut (DKI) Düsseldorf; TU Berlin (W), Institut für Krankenhausbau (IFK): Thesaurus Krankenhauswesen**. Alphabetischer und systematischer Teil. 2. Ausg. Berlin (West): Techn. Univ. 1973. 188 p.
The 2nd ed contains the changes necessary after the first publication in 1971 and the additional systematic part for the hierarchic display of the descriptors. There are altogether 3319 terms, 1034 of which are descriptors.
- 577 Centre National de la Recherche Scientifique (CNRS): **Sciences pharmacologiques thesaurus**. Paris: CNRS 1973. 202 p.
Three sections: 1) alphabetical list of keywords, 2) alphabetical list of chemical products and pharmaceuticals, 3) thematic listing of the terms into 12 major subject areas.
- 578 Viet, J.: **EUDISED Multilingual Thesaurus for Information Processing in the Field of Education**. Paris-The Hague: Mouton 1973. 391 p., \$ 10.50, £ 4.50, f 28.–
French edition: "EUDISED Thésaurus multilingue pour le traitement de l'information en éducation" (Fr. F. 48.–), German edition: „EUDISED Mehrsprachiger Thesaurus zur Informationserschließung im Bildungsbereich“ (DM 29.–)
The "European Documentation and Information System for Education" is concerned with educational documentation in the Council of Europe member states. The thesaurus is in two parts, a grouped and an alphabetical list of descriptors.
- 579 Unesco: **IBE Education Thesaurus**. Paris-Genf: Unesco/IBE 1973. 199 p., F 20.–
Faceted list of terms in English with French translation.
- 580 Straeter, H. H., Friedrich D. (Comp.): **Dokumentationsring Pädagogik (DOPAED): Thesaurus Pädagogik**. Pullach b. München: Verl. Dokumentation 1973. 243 p.
This thesaurus for education and training contains 4300 terms of which 463 are non-descriptors. The alphabetical part contains only RT-relationship indications and a relatively small percentage of USE or 'used for' indications, (ca 11 %). The systematic part has a faceted structure with altogether 15 facets and their subfacets. The latter are numbered and their numbers occur in the alphabetical part under the RT relationship indication.
- 581 **Thesaurus of ERIC descriptors**, with a special chapter on: The role and function of the Thesaurus in Education, by F. Goodman. 4th ed.
New York: CCM Information Corp. 1972. XXII, 330 p.
- 582 Guhde, E., Hegelheimer, B., Rich, M., Voswinkel, E.: **Thesaurus Bildungsforschung**. Verzeichnis der Deskriptoren und Nichtdeskriptoren in der Literaturdokumentation des Max-Planck-Institutes für Bildungsforschung. Pullach b. München: Verl. Dokumentation 1972. 471 p.
- 583 Rischkowsky, F.: **Thesaurus Hochschulplanung**. Ein aufgabenbezogener Thesaurus für die Literaturdokumentation der Hochschul-Informationssystem-GmbH (HIS), Hannover. Pullach b. München: Verl. Dokumentation 1973. 221 p. = Hochschulplanung 16
- 584 Krampen, M., Kleiber, D., Kittel, M.: **Thesaurus Hochschuldidaktik**. (Probefassung) Ulm: Universität 1973. 132 p.
- 585 **Thesaurus of ILO Descriptors**. Geneva: International Labour Office 1974.
Terms are provided in English, French and Spanish covering the labour and social fields. Vocabulary has been used for document descriptions during the past eight years.
- 586 **Population/Family Thesaurus: Social, demographic and economic aspects**. Chapel Hill, N. C.: Carolina Population Center, Univ. of North Carolina 1974.
- 587 Centre Africain de Formation et de Recherche Administratives pour le Développement: **CAFRAD Thesaurus of administrative information descriptors**. A preliminary English ed. Tanger, Marocco: 1973. 182 p.
- 588 **Systematik der Fachbücherei der Bundesversicherungsanstalt für Angestellte**. Berlin (W): Bundesversicherungsanstalt für Angestellte 1972. 51 p.
Classification system in the field of insurance.
- 589 **DDC Retrieval and Indexing Terminology**. Alexandria, Va.: U. S. Defense Documentation Center 1974. 717 p., \$ 13.–
Replacement for the Thesaurus of ASTIA Descriptors, 2nd ed 1962. Terms meant for Machine-Aided-Indexing (MAI) have been taken directly from texts. They supply the Natural Language Data Base (NLDS) from which a retrieval and indexing terminology is being developed.

590 Centre de Documentation de l'Armement: **Lexique des mots-clés, descripteurs et identificateurs français et anglais à utiliser pour la recherche documentaire**. Paris: CEDOCAR 1973. 3 vols.

591 Centre de Documentation de l'Armement: **Lexique thématique des descripteurs et identificateurs** (sauf codes 1130 et 1140) Paris: CEDOCAR 1973. 151 p.

592 Institut für Raumordnung, Bonn; Universität Stuttgart, Städtebauliches Institut **Thesaurus Stadtplanung – Raumordnung**. Bonn: 1972. 373 p. (2 vols.)

593 Viet, J.: **Aménagement du territoire, code documentaire**. Paris: Maison des Sciences de l'Homme 1973. 200 p.

594 Hamburgisches Welt-Wirtschafts-Archiv (HWWA): **Schlagwort-Verzeichnis zum Katalog der Zeitschriftenaufsätze**. Stand: März 1972 Hamburg: HWWA 1972. 73 p. = HWWA-Register für Information und Dokumentation 2

595 Organisation for Economic Co-operation and Development (OECD), Entwicklungszentrum Paris: **Macrothesaurus**. Verzeichnis der Grundbegriffe wirtschaftlicher und sozialer Entwicklungsterminologie. 3rd German ed. Paris: OECD 1973. 457 p.

This thesaurus for socio-economic development which now exists also in English, French, Spanish, Portuguese and Arabian consists of an alphabetical part with the main entries in German and English and a systematic part subdivided into 19 subject areas

596 Arbeitsgruppe Übersee-Dokumentation; Deutsche Stiftung für Entwicklungsländer (Comp. & Ed.): **Thesaurus für wirtschaftliche und soziale Entwicklung**. Hamburg: Verband der Stiftung Deutsches Übersee-Institut 1972. 244 + 52 p.

A thesaurus for economic and social development of 2517 descriptors and 1564 non-descriptors. Alphabetical and systematic parts.

597 Viet, J., Vespry, M.: **Thesaurus of industrial development terms**. No. 2. Wien: United Nations Industrial Development Organisation (UNIDO) 1973. 228 p.

Meant for the indexing of UNIDO documents and to serve the needs of the UNIDO Industrial Information System (INDIS). Systematic part and permuted alphabetical list of descriptors.

598 **Engineering Index: Engineering Index Thesaurus**. New York: C. C. M. Inform. 1972. XIV, 402 p.

599 Building Research Establishment, Library: **Building research thesaurus**. (rev. ed) London: Department of the Environment, Building Res. Establ. 1972. 481 p.

600 Schwanhäuffer, G., Kind, F.; Zentralarchiv für Hochschulbau: **Thesaurus Hochschulforschung, Hochschulbau**. Ein automatisch erstellter Thesaurus (Thesaurus University Research, University Building. An automatically constructed thesaurus.) Pullach b. München: Verl. Dokumentation 1974. 461 p., 1 folded leaf

This thesaurus was developed from the associations which indexing terms of always one indexing unit (one document) encounter with each other. It is based on the 710 descriptors used in the documentation center of the Zentralarchiv für Hochschul-

bau and gives all the associations which have been found to have occurred in indexing 5900 documents. Similarities between the terms were computed using similarity matrices and altogether 23 groups were established. The computer programs used are given in the Annex.

601 Roberts, M. J. et al: **Construction industry thesaurus**. Development ed. London: Polytechnic of the South Bank 1973. 341 p., 4 tag., 27 ref.

CIT was produced for the Department of the Environment and the Construction Industry Research and Information Association. It consists of about 9000 terms altogether arranged in two parts: classified order to show the relationships and an alphabetical index for word control.

602 Deutsche Bauakademie zu Berlin; Deutsche Bauinformation: **Thesaurus Bauwesen**. 1. Ausg. Berlin (Ost): 1972. 623 p. 3 vols.

This thesaurus for building and construction is made up of three parts: a graphic display, an alphabetical list and a systematic grouping of descriptors.

603 Zentrale Dokumentationsstelle für Verkehr (ZIV): **Dachthesaurus Verkehr** (unvollständige Diskussionsfassung) Köln: ZIV 1973. 2 vols.

This macrothesaurus for traffic and transportation consists of a part 1 („Fachordnung“) which shows the broad structure of the vocabulary with 40 main groups and which contains also an alphabetical index with notations relating to part 2: systematic index, where hierarchical and associated concepts are displayed on 48 arrowgraphs.

604 **Fachthesaurus Kombiniertes Transport**. Teil 1: Systematisches Register, Teil 2: Alphabetisches Register Frankfurt: Studiengesellschaft für den kombinierten Verkehr (SGKV) 1972. 254 p.

605 Černý, A. I. et al: **Informacionno-poiskovyj tesaurus po informatike**. (Information retrieval thesaurus for information science) Moskva: VINITI 1973. 209 p. + appendix: semantičeskie karty tematičeskich klassov.

Alphabetical list of 6404 entries (1032 descriptors and 5372 non-descriptors) with relationship indications and with the numbers of the 14 semantic fields (appendix) given to each descriptor. Alphabetic index of the descriptors only and list of English terms with their Russian equivalents. The 14 thematic classes are: 1) Information science activities (24 descriptors), 2) library activities (26), 3) information retrieval (90), 4) documents (75), 5) tests, translation (64), 6) reprography, copying (50), 7) printing (49), 8) technical devices (88), 9) Programming, coding (90), 10) economic and science (128), 11) general words, abstract terms (140), 12) languages (62), 13) countries (105), 14) "open class" (for special names, like ALGOL, Bit, etc. (41 so far).

606 Gilchrist, A., Gaster, K. (Comp.): **A compressed term index language for library and information science**. (Amendments by E. M. Keen and J. A. Digger) London: Aslib 1973. 123 p.

607 Leska, M., Leski, K.: **Tezaurus informacji naukowej** (Thesaurus of information science) (Orig. Pl) Warsaw: Instytut Informacji Naukowej, Technicznej i Ekonomicznej 1972. 337 p., 2 tabl. = Prace studia przyczynki 54

608 Schultz, Claire K.: **Thesaurus of information science terminology**. rev. ed. Washington, D. C.: Gryphon House (1333 Connecticut Ave., N. W.) 1974. 133 p., \$ 10.95 (cloth), \$ 5.95 (paper)

609 Centre National de la Recherche Scientifique.
Centre de Documentation: **Thesaurus d'informatique**
(Ed. provisoire) Paris: CNRS 1973. 4 p., 108 col.

610 **Categories of the computing sciences.** Revised classification system for Computing Reviews. In: *Computing Reviews* 15 (1974) No. 8, p. 295-296

Contains the following 8 main divisions: 1) General topics and education, 2) Computing milieu (philosophical and social implications, professional aspects, legislation, administration), 3) Applications (9 appl. areas), 4) Software, 5) Mathematics of computation, 6) Hardware, 7) Analog computers, 8) Functions.

611 National Computing Center: **N. C. C. thesaurus of computing terms...** 5th ed., Manchester, England: N. C. C. Publ. 1972. Vol. I: 335 p., Vol. II: 100, 180 p. Vol. I: Alphabetical listing, Vol. II: Hierarchy listing. -

612 Deutsche Forschungsgesellschaft für Druck- u. Reproduktionstechnik. Dokumentationsstelle:
Mini-Thesaurus „Druck“. Alphabetisches Stichwortverzeichnis für die Drucktechnik und ihre Randgebiete ... 2. stark erw. Aufl. München: FOGRA 1972. 110 p.
This alphabetical list of keywords for graphic technology (printing and fringe fields) gives also the relevant UDC-numbers with each keyword as retrieval aids.

613 Williams, B. J. S.: **Thesaurus of microform terms.** 2nd ed. Hatfield, England: Natl. Reprographic Centre for Documentation 1972. 44 p., \$ 2.50

614 Universität Bremen, Bibliothek: **Fachsystematik Philosophie.** 3. Arbeitsfassung Bremen: 1974. 111 p.

04 Dictionaries, Terminologies

615 Beling, G., Hagen, P.-T.: **Versuche zur Terminologie in Information und Dokumentation V: Klassifikation.** In: *Nachr. Dok.* 24 (1973) No. 3, p. 117-126, 10 ref.
Explanatory text for the definitions to 44 central terms in classification.

616 Dahlberg, I.: **Zur Terminologie der Klassifikation.** In: *Nachr. Dok.* 24 (1973) No. 6, p. 271-273
Response to the article of Beling and Hagen.

05 Proceedings

617 **Report of Meeting. Symposium: The Soil Ecosystem.** In: *Class. Soc. Bull.* 1 (1968) No. 4, p. 46-48
On behalf of the Systematics Association a three day symposium was organized at the University of Nottingham, School of Agriculture, 26-28 March 1968. It was concerned with the systematic aspects of the physical environment, organisms and communities. Short report on the topics of the 20 papers presented. The Proceedings were to be published as Systematics Association Publication, 8.

618 **UDC: Revise or relegate?** Proceedings of an Aslib/BSI Symposium to discuss FID's proposal for a new

Standard Reference Code and its implications for UDC, London, 6th July 1972. In: *Aslib Proc.* 24 (1972) No. 10, p. 580-594

The following three papers were presented and "Conclusions" given by A. C. Foskett. - 619 Lloyd, G. A.: FID's Standard Reference Code Project and UDC improvement programme. - 620 Newcombe, D.: SRC: Unverified assumptions. (Summary) - 621 Smith, J. R.: What is really wrong with the UDC? (Summary)

622 **Report of a Meeting of the European Branch (of The Classification Society)** 30 November 1972. In: *Classificat. Soc. Bull.* 3 (1973) No. 1, p. 16-17

Report on the address given by Dr. G. N. Lance of the Div. of Computing Research, CSIRO, Canberra on "The practicalities of numerical classification". CSIRO provides to a broad range of users, including ecologists, taxonomists, social scientists a. a. numerical classification computer programs.

623 **Informatics 1.** Proceedings of a Conference held by the Aslib Co-ordinate Indexing Group on 11-13 April 1973 at Durham University. - London: Aslib 1974.

218 p. \$ 6.75 Contains the 21 papers listed already in *Intern. Classificat.* 1 (1974) No. 1, p. 58, Nos. 488-511.

Three papers have been excluded (the ones by Hope, Marshall and White) one paper was added: 624 Johnson, R. L.: An extended ALGOL for language processing. Three titles have been changed: M. Masterman: Chasing the enthymene: natural language handling with an on-line text-editor. Part 1. A semantics-based problem solving approach to information processing. - J. L. Jolley: A basis for thesauri on mathematics and the sciences. - J. Faradane: The necessity of semantic analysis for information retrieval.

625 **Abstracts of Papers presented at the Fourth Annual Meeting of the North American Branch (of The Classification Society)** Atlanta, April 30 - May 1, 1973. In: *Classificat. Soc. Bull.* 3 (1973) No. 1, p. 22-36

626 McGee, V.: Piecewise linear fitting. - 627 Kruskal, J. B.: Graphic technique for comparing a similarity matrix with a hierarchical clustering. - 628 Diehr, G.: Minimum variance partitions and mathematical programming. - 629 Farris, J. S.: Fitting evolutionary trees to matrices of arbitrary distance. - 630 Simmonds, W. H. C.: The analytical approach to industry classification. - 631 Hwei-ju Chen, Gnanadeskan, R., Kettnering, J. R.: Statistical methods for grouping corporations. - 632 Fillenbaum, S.: Problems in the use of similarity data for the study of semantic structures. - 633 Wish, M.: Using multidimensional scaling for classifying nations. - 634 Donath, W. E.: Structure and partitioning of large graphs. - 635 Cleveland, W. S.: Classification-information-loss cluster analysis. - 636 Maloney, C. J.: The role of classification in retrieval from large medical files. - 637 Mayer, L. S.: On principal components and minimum distance clusters. - 638 Farris, J. S.: A maximum likelihood model for inferring evolutionary trees. - 639 Farris, J. S., Micevich, M. F.: Local parsimony, a new criterion for Camin-Sokal tree estimation. - 640 Woodbury, M. A.: Maximum likelihood estimates of the finite mixtures. - 641 Henderson, J., Wagner, G. R.: Multidimensional evaluation of student performance. - 642 Degerman, R. L.: Transformation of a dendrogram to fit a specific left-to-right ordering. - 643 Adams, E. N. III: Tree intersection and the comparison of taxonomic trees. - 644 Avery, K. L.: Spatial proximity aggregation of data and the occurrence of biased regression coefficients. - 645 Gale, S.: A resolution of the regionalization problem and its implications for urban political geography and distributive justice. - 646 Jenkins, R. L.: Classification of behavior disorders of childhood. - 647 Hamilton, K. L., Williams, F. E.: Some simulations studies of multiple discriminant analysis with binary variables. - 648 Haskell, E.: A classification of natural classifications.

649 Kommission der Europäischen Gemeinschaften. Generaldirektion „Wissenschaftliche und Technische Infor-

mation und Informationsmanagement“ (Ed.): **Erste Europäische Tagung über Dokumentationssysteme und -Netze. Luxemburg, 16., 17. und 18. Mai 1973.** Luxemburg: Europäische Gemeinschaften 1974. 403 p.

Contains the three papers, their comments and discussions of each of the three morning sessions. Reports on the 8 group-sessions of the afternoons and the concluding sessions. The free contributions are also presented as well as an analysis of answers and comments concerning a questionnaire on information systems in Europe. In 90% of the cases indexing is done manually mostly using a controlled indexing language. Only 20% use “free indexing”.

650 Report of a Meeting of the European Branch (of The Classification Society) 19 May 1973 on Tradition and Innovation in Biological Taxonomy. In: *Classificat. Soc. Bull.* 3 (1973) No. 1, p. 18–21.

Reported are the contents of the talks given by Prof. P. H. A. Sneath, Mr. F. J. Bingley, Dr. A. F. Parker-Rhodes, and Dr. R. J. Pankurst.

651 Waldron, H. J., Long, F. R. (Eds.): Innovative developments in information systems: their benefits and costs. ASIS 36th Annual Meeting, Los Angeles, Calif., Oct. 21–25, 1973. Westport, Conn.: Greenwood Press 1973. 247 p. = *Proc. Amer. Soc. Inform. Sci.* Vol. 10.

From the 124 so-called epitomes (500–700 word summary papers) the following are concerned with questions of classification and indexing: 652 Batty, C. D.: The instant thesaurus: synthesising users' concept systems to reduce cost and time in index language development. – 653 Baumgartner, R. M.: Advantages and disadvantages of hierarchical vs alphabetical indexes. – 654 Cape, J. D.: Descriptors for a printed subject index. – 655 Gerson, G. M.: Automatic indexing of still photographs. – 656 Hersey, D. F., et al: On-line retrieval and machine-aided indexing in a large data base of ongoing research information. – 657 Hines, T. C.: Computer-assisted index and thesaurus entry development. – 658 McCuaig, H. E., Mercier, M. A.: Use of a thesaurus/classification concordance for indexing and retrieval. – 659 Martinez, S. J.: The use of a permuted word list to facilitate indexing or searching. – 660 Neufeld, M. L. et al: Automatic title word indexing for a weekly current awareness service. – 661 O'Connor, J.: New efficiencies in text-searching retrieval. – 662 Olney, J. et al: Vocabulary control via automatic extraction of all recurring content word phrases from KWIC indexes. – 663 Preece, S. E.: Clustering as an output option. – 664 Schneider, J. H.: Development of the Autoclass System for automated creation and maintenance of hierarchical classifications. – 665 Small, H. G.: The relationship between citation indexing and word indexing: study of the co-occurrences of title words and cited references.

666 VIII. Kolloquium über Information und Dokumentation, 28.–30. Nov. 1973. Themenkreis 2: Einheitliche Begriffe als Verständigungsmittel bei der internationalen Kooperation. Ilmenau: TH Ilmenau 1974. 112 p. = *Dokumentation/Information H.* 24.

From the seven papers of this section the following four are concerned with thesaurus-problems: 667 Rosenbaum, H.–D.: Methodische Grundsätze für das Erarbeiten mehrsprachiger Thesaurien der Mitgliedsländer der RGW. – 668 Brendler, G.: Probleme beim Aufbau eines zweisprachigen Thesaurus im Sprachenpaar deutsch-russisch. – 669 Pilz, J.: Methodische Aspekte beim Aufstellen und Benutzen mehrdimensionaler Strukturen im Thesaurus. – 670 Herrmann, P., Löschner, G., Rudolf, D.: Zum Problem der Erarbeitung mehrsprachiger Thesauri. – Discussions on terminological problems and multilingual thesauri.

671 VIII. Kolloquium über Information und Dokumentation vom 28.–30. Nov. 1973. Themenkreis 3: Kompatibilität von Methoden und Geräten als Voraussetzung für Kooperation. Ilmenau: TH Ilmenau 1973. 85 p. = *Dokumentation/Information H.* 25

From the 10 papers of this section the following three are concerned with indexing and classification problems: 672 Feitscher, W.: Kompatibilität beim automatischen Indexieren und Recherchieren. – 673 Mater, E.: Elementar-begriffe als Grundlage maschineller Indexierung und Konvertierung. – 674 Dahlberg, I.: Informationswissenschaftliche Grundlagen eines universalen Klassifikationssystems.

675 Problèmes de Classification en Documentation Automatique. In: *Documentaliste* 11 (1974) No. 2, p. 89

With a few words of explanation the following three talks given at a meeting of the I. R. I. A. on Febr. 28, 1974 are: 676 M. Rimbert: Problèmes posés par l'établissement automatique de réseaux de corrélations au sein de systèmes documentaires en grandeur réelle. – 677 Curvalle, B.: La recherche documentaire par voisinage. – 678 Andreevsky, A.: Analyse comparative du contenu; indexation automatique.

679 Aslib Co-ordinate Indexing Group: Informatics 2. Annual Conference (dedicated to Robert A. Fairthorne), Univ. of Oxford, March 25–27, 1974. Oxford: Univ. of Oxford, Aslib 1974. 14 p.

Handout with the programme and abstracts of the following 18 papers not all of which concerned with classification problems: 680 Beckett, P.: Terrain classification. – 681 Belkin, N. J.: Towards a definition of information for informatics. – 682 Brookes, B. C.: The fundamental equation of information science. – 683 Gilchrist, A.: A worm's eye view of information retrieval – some practical problems. – 684 Gregory, S. A.: The shape of ends and means. – 685 Grolier, E. de: In search of empirical bases for the classification of knowledge. – 686 Harper, R.: Odour characterization and odour classification: a reflection on the results of the Norwich Project 1964–1967. – 687 Heywood, V. H.: Contemporary philosophies in biological classification. – 688 Jones, S.: The study of lexis through collocation. – 689 Kiss, G. R.: An associative thesaurus in English. – 690 Knowles, F. E., Johnson, R. L.: On defining the word for the purposes of “mechanised” linguistics. – 691 Light, U.: The principle of interdependent incompatibility – a new postulate. – 692 Langridge, D.: Classification for the humanities. – 693 Mastermann, M.: Chasing the enthymeme: natural language handling as a problem-solving operation with an online text editor. – 694 Montgomery, C.: Automated data base generation from natural language text. – 695 Parker-Rhodes, A. F.: Some fallacies concerning ‘structured content’. – 696 Petyt, K. M.: Derivation: grammar or lexicon. – 697 Sager, J. C.: Hierarchy in technical terminology.

06 Periodicals and Serials

Continuation of list in No. 1

698 FID/CR Newsletter. Committee on Classification Research of the Fédération Internationale de Documentation. Secretariat: Documentation Research and Training Centre, Indian Statistical Institute, 112 Cross Road 11, Bangalore 560003, India. 1973 –; 4x/ann.

699 FID/CR Report Series. International Federation for Documentation. Committee on Classification Research 1964 –; irregular; Reports Nos. 1–12 were issued at the Danish Centre for Documentation, Copenhagen; from Report No. 13, 1974 on, this series will be published by the DRTC, Bangalore, India.

700 The Indexer. Society of Indexers. 23a Chaucer Road, Cambridge, England 1958 –; 2x/ann. (ann. subscrip. £ 1, \$ 3.–)
Contains articles, news, book reviews.

701 **International Classification.** Edited by an international editorial group comprising 4 active and 12 consulting editors from different disciplines. Editorial office: c/o Dr. I. Dahlberg, D. 6 Frankfurt 50, Woogstr. 36a; Publisher: Verlag Dokumentation Saur KG, 8023 Pullach b. München, Jaiserstr. 13. 1974 —; 2x/ann. (ann. subscr. DM 36,—)

Contains articles, reports, news, book reviews and a bibliographic part called "Classification Literature", 1 (1974) No. 1.

702 **Library Science with a Slant to Documentation.** Sarada Ranganathan Endowment for Library Science, Documentation Research and Training Centre, 112 Cross Road 11, Malleswaram, Bangalore 3. 1964 —; 4x/ann., (ann. subscr. Rs 20.00)

The articles in this journal are mainly concerned with questions of library classification, especially the Colon Classification.

703 **Systematics Association Publication No. . . .** Occasional publications by the Systematics Association. Agent for public sales: E. W. Classey Ltd. 353 Hanworth Road, Hampton, Middlesex, England.

Specially concerned with subjects in biology and palaeontology on matters of taxonomic interest.

704 **Taxometrics.** Newsletter compiled by L. R. Hill, c/o National Collection of Type Cultures, Central Public Health Lab., Colindale Ave., London NW9 5HT, England. 1962—1969, biannually.

Discontinued with Issue No. 12 (April 1969)

07 Textbooks (whole field)

705 Vickery, B. C.: **Classification and indexing in science.** 2nd ed. (with an introduction by D. J. Foskett) London: Butterworths 1959. 235 p.

Comprehensive textbook of classification, especially of faceted classification. Contents: The need for classification. The construction of classification schedules. Notation for the classified catalogue. Indexing. Mechanical selection. The future of information retrieval. — Historical aspects of the classification of science. Examples of faceted classifications. Categories.

706 Mills, J.: **A modern outline of library classification.** London: Chapman & Hall 1960. 196 p.

707 Foskett, D. J.: **Classification and indexing in the sciences.** London: Butterworths 1963. 190 p.

Contents: Information retrieval and the social sciences. The data of social science. The organization of subject indexes. The social sciences in general classification schemes. Classification for information retrieval. Mechanical indexing and retrieval. The structure of classification schemes: I. specialist, II. general schemes. Notational symbols. Indexing the classified catalogue. App.: Classification for community development.

708 Davison, K.: **Theory of classification.** An examination guidebook. London: C. Bingley 1966. 59 p.

Short introduction into classification with a survey on the most important universal classification systems and some of the special systems.

709 Sayers, Berwick W. C.: **A manual of classification for librarians.** 4th ed., completely rev. and partly rewritten by a. Maltby. London: A. Deutsch 1967. 404 p.

Contents: Principles of classification. History of library classification. Major general bibliographical classifications, (DDC, SC, UDC, LCC, BC, CC). Practical application of a classification scheme. The classification of special libraries. Classification research. — Bibliography.

710 Ranganathan, S. R. (assisted by M. A. Gopinath): **Prolegomena to library classification.** 3rd ed. Bombay —: Asia Publ. House 1967. 640 p.

Contents (22 chapters): Summary of normative principles. Basic concepts and terminology of classification. Normative principles. Canons for work in the idea plane. Principles for helpful sequence. Canons for work in the verbal plane. Notational plane. Canons for work in the notational plane. Canons for mnemonics. Notational system for a growing universe. Planes of work. Foci in an array. Formation, structure and development of subjects. Classification as transformation. Analytico-synthetic classification (idea plane), (notational plane). Quasi-subject and subject bundle. Book number. Use of collection number. Universal vs special classification. Reflections. — Concludingly some proposals for the organization of an international elaboration of depth schedules, possibly in cooperation with the FID.

711 Salton, G.: **Automatic information organization and retrieval.** New York: McGraw-Hill Book Co. 1968. XIII, 514 p. = McGraw-Hill Computer Science Series

Textbook covering also automatic information analysis, dictionary construction, statistical and syntax-methods, text transformations, index and glossary production. Extensive references with each chapter and a systematically arranged bibliography in the appendix.

712 Foskett, A. C.: **The subject approach to information.** London: C. Bingley 1969. 310 p.

Textbook on classification covering theory of information retrieval systems, universal classification systems, postcoordinate systems and their specific technical devices. Description of the Cranfield projects for the evaluation of indexing languages.

713 Sharp, J. R.: **Information retrieval.** Notes for students. London: A. Deutsch 1970. 90 p.

Essentially a book on classification and indexing. "Classificatory principles have relevance to virtually all the methods of information retrieval which exist" (p. 13). Contents: Classification. Conventional catalogues and their deficiencies. Combinations, permutations, and coordinate indexing. Indexing languages — the thesaurus. Indexing languages — ancillary devices. Mechanization, system parameters and performance. Mechanized index production. Automatic indexing, automatic abstracting, and automatic classification. Selective dissemination of information, citation indexing. References. Index.

714 Palmer, B. I.: **Itself an education.** (six lectures on classification) 2nd ed containing a continuation by Derek Austin entitled "Two steps forward . . ." London: The Library Assoc. 1971. 115 p.

The title was taken from a statement by Alexander Bain: "To learn to classify is in itself an education". The six lectures are: 1) The socio-historical background to library classification, 2) The formation of main classes, 3) Contemporary questioning of the basis of main classes, 4) The development of notation, 5) The contribution of Ranganathan, 6) Classification as a foundation study for librarians.

715 Langridge, D.: **Approach to classification for students of librarianship.** London: C. Bingley 1973. 122 p., £ 2,—

Contents: Classification in general, classification of knowledge. Library classification: the elements, the schemes. Classification and subject indexing.

716 Greiner, G.: **Allgemeine Ordnungslehre.** Karben: Selbstverl. 1974. 70 p. 33 fig., 35 ref., 1 tab. Text based on lectures given at the Lehrinstitut für Dokumentation of the German Documentation Society.

08 Other Monographs (whole field)

717 Šamurin, E. I.: **Očerki po istorii bibliotečno-bibliografičeskoj klassifikacii.** Tom I i II. Moskva: Izdatel'stvo Vsesojusnoj Kniznoj Palaty. 1959 (?). Tom II, 563 p. German translation: **Geschichte der bibliothekarisch-bibliographischen Klassifikation.** Bd. I und II. München-Pullach: Verl. Dokumentation 1967/68. (Nachdr. 1969) 405 und 781 p.

Comprehensive description of the history of classification, beginning with the library of Assurbanipal in Ninive and ending up with the Russian BBK, 1965. Vol. I contains descriptions of classification systems in many application fields (encyclopaedias, pedagogics, philosophy, libraries, etc.) from ancient times until to the end of the 18th century, vol. II starts with the 19th century. The systems are not just described but put into relation with the developments in their respective historical periods.

718 Fairthorne, R. A.: **Towards information retrieval.** London: Butterworths 1961. 211 p., index (comp. by C. N. Mooers)

Selection of 16 papers published elsewhere with introductory comments by L. M. Bohnert ("From a point of view of documentation as a whole") and by C. N. Mooers ("From a point of view of mathematical etc. techniques"). Fairthorne himself says about the selection of papers that they explore "activities in which indefinite neglect of either aspect, the conceptual or the mechanical, will lead to practical and theoretical disaster. They centre on the recovery of records according to their subject matter". 1. The mathematics of classification. 2. Automata and information. 3. Information theory and clerical systems. 4. Notes on the NLL Card Catalogue of Aerodynamic Measurements. 5. Some basic clerical factors in the design of retrieval systems. 6. The theory of communication. 7. A communications primer. 8. The patterns of retrieval. 9. Some clerical operations and languages. 10. Matching of operational languages in documentary systems. 11. Review of H. P. Luhn's self-demarcating code words. 12. Delegation of classification. 13. Automatic retrieval of recorded information. 14. Algebraic representation of storage and retrieval languages. 15. Basic postulates and common syntax. 16. Documentary classification as a self-organizing system. Index.

719 Vickery, B. C.: **On retrieval system theory.** London: Butterworths 1961. 159 p. (2nd ed 1965)

Contents: The scope of this study. The analysis of retrieval systems. The description of documents. Descriptor languages. Structural models. File organization and coding. Search procedures. The automation of storage and retrieval. Purpose, parameters and performance. The terminology of retrieval. German translation: **Zur Theorie von Dokumentations-systemen.** München-Pullach: Verl. Dokumentation 1970. 247 p.

720 Kedrov, B. M.: **Klassifikacija nauk.** T. 1 u. 2. Moskva: 1961-1965

721 Richardson, E. C.: **Classification.** Theoretical and practical. 3rd ed. Hamden, Conn.: Shoe String Press 1964. XVIII, 228 p. (Reprint of 3rd ed of 1930)

Kinds of classification: logical, geometrical, chronological, genetic, historical, evolutionary, dynamic, alphabetical, and mathematical. The order of the sciences. The classification of books. Appendix (174 p.): Systems of classification (1876-1926). Bibliography of books on classification.

722 Sharp, J. R.: **Some fundamentals of information retrieval.** London: A. Deutsch 1965. 224 p.

Contents: The nature of the problem. Classification. The alphabetical subject catalogue. The shortcomings of conventional systems. The advantages of non-conventional systems. The control of indexing language. Co-ordination and correlation. Auto-indexing and auto-abstracting. Conclusion.

723 Rochhausen, R. (Ed.): **Die Klassifikation der Wissenschaften als philosophisches Problem.** Berlin: Dt. Verl. d. Wissenschaften 1968. 158 p.

Formation of the concept of classification in history of philosophy. Logical and methodological problems of the classification of the sciences. On classification of broader scientific areas. Display of several classification schemes.

724 Soergel, D.: **Dokumentation und Organisation des Wissens.** Versuch einer methodischen und theoretischen Grundlegung am Beispiel der Sozialwissenschaften. Berlin: Duncker & Humblot 1971. 386 p., ca 300 ref. = Ordo Politicus Bd. 13

The book has three sections of which the last one is completely concerned with problems of classification, especially with the foundations of order of social science informations, treating also the fundamentals of classification systems and thesauri and the syntagmatic structure of documentary languages.

725 Engelen, G.: **Der Begriff der Klassifikation.** Hamburg: Buske 1971. 176 p., 8 fig., 3 tab., 458 ref. = Forscher. d. Inst. f. Kommunikationsforsch. u. Phonetik d. Univ. Bonn, Bd. 36.

726 Maltby, A. (Ed.): **Classification in the 1970's.** A discussion of developments and prospects for the major schemes. London: C. Bingley 1972. 269 p.

After an introduction by A. Maltby the following 10 contributions may be grouped into a) descriptions of universal systems and b) discussions of principles, prospects and trends. - 727 Maltby, A.: Classification - logic, limits, levels. - 728 Mills, J.: The Bibliographic Classification. - 729 Gopinath, M. A.: The Colon Classification. - 730 Vann, S. K.: The Dewey Classification. - 731 Immroth, J. P.: Library of Congress Classification. - 732 Lloyd, G. A.: Universal Decimal Classification. - 733 Vickery, B. C.: Classificatory principles in natural language indexing systems. - 734 Keen, E. M.: Prospects for classification suggested by evaluation tests carried out 1957-1970. - 735 Austin, D.: Trends towards a compatible general system. - 736 Freeman, R. R.: Classification in computer-based information systems of the 1970's. Index.

737 Parkhi, R. S.: **Library classification.** Evolution of a dynamic theory. Delhi, India: Vikas Publ. House PVT 1972. 222 p., 47 ref.

Contains also an "In memoriam" of R. S. Parkhi by S. R. Rangathan, a bibliography of 120 references by and on R. S. Parkhi and an Inaugural address (to start the Sarada Ranganathan Lecture Series) by A. Neelameghan. Altogether 19 chapters covering theoretical and practical problems of classification.

738 Rudelson, K. I.: **Sovremennye Dokumentnyye Klassifikacii.** (Modern Documentary Classifications Systems) Moskva: Nauka 1973. 268 p., 1.37 roubles.

Review of different schemes and conclusion that it seems necessary to construct a single basic scheme from which special schemes could be derived.

739 Dahlberg, I.: **Grundlagen universaler Wissensordnung.** Probleme und Möglichkeiten eines universalen Klassifikationssystems des Wissens. Pullach b. München: Verl.

Dokumentation 1974. XVIII, 366 p., 44 tabl. 585 ref., DM 48.— = DGD -Schriftenreihe Bd. 3

"Fundamentals of universal organization of knowledge" is concerned with 1) theoretical foundation of classification as science for the determination and systematification of concepts which may function as classes for the order of subject (thematical), data, or object location; 2) Investigation, diachronically of a number of application areas for universal classification, such as philosophy, education, lexicography, library and information science, administration of science, economy and services; 3) Comparative study of the structure of six universal classification systems in use, statement of their respective inadequacies for subject organization and location of new concepts, postulates for a new system; 4) Discussion of ontological aspects and philosophy of science ones; 5) fundamentals of information science and their implications for classification systems; 6) proposal for structure and content of a new universal system; 7) outline of value and importance of such a system for the information sciences and many other areas.

09 Standards – Guidelines

See also 042–044 in No. 1

740 ISO R 704, 1968. **Naming principles.** Geneva: International Standardization Organization 1968.

741 ISO R 860, 1968. **International unification of concepts and terms.** Geneva: International Standardization Organization 1968.

742 ISO R 919, 1969. **Guide for the preparation of classified vocabularies.** (Example of method) Geneva: International Organization for Standardization 1969. 15 p.

743 ISO R 1149, 1969. **Layout of multilingual classified vocabularies.** Geneva: International Organization for Standardization 1969.

744 ISO 1951, 1973. **Lexicographical symbols particularly for use in classified defining vocabularies.** Geneva: International Organization for Standardization 1973.

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750 Zentralinstitut für Information u. Dokumentation: **Methodische Rahmenregelung zum Indexieren mit Hilfe eines Thesaurus.** Berlin (Ost): ZIID 1973. 30 p., 3 tab., 8 ref., M 2.90

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751 ISO R 999, 1969. **Index of a publication.** Geneva: International Organization for Standardization 1969. 4 p.

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