

In the first issue a survey is given of classification literature from the last 15 years by citing 1) bibliographies, 2) literature reviews, 3) classification systems (here also at first only the bibliographies of), 4) dictionaries, terminologies of classification terms, 5) proceeding of classification conferences and 6) periodicals and serials relevant to classification. This division "by form" will be supplemented in the subsequent issues by 7) handbooks and introductory texts, 8) other monographs and 9) standards and guidelines. Beginning with the next issue we will also include abstracts on current classification literature; these will be grouped systematically according to contents. We are grateful for submission of reprints and abstracts in case of "scattered" or otherwise "hard-to-find" publication, also we would appreciate any hint to necessary references that have not been listed.

01 Bibliographies

001 Allen, W. S.: **Classification and language.** In: *Classificat. Soc. Bull.* 1 (1965) No. 1, p. 13-21

Bibliography comprising 46 titles with annotations, 44 of which under the heading "Typology and classification of languages" and 2 under the heading "Classification of linguistic elements".

002 Avery, B. W.: **Soil classification.** A bibliography. - In: *Classificat. Soc. Bull.* 1 (1965) No. 1, p. 22-28

39 titles with annotations arranged in alphabetical order

003 Batts, N. C., Tauber, M. F.: **Bibliography on the Library of Congress Classification.** In: Schimmelpfeng, R. H., Cook, C. D. (Eds.): *The use of the Library of Congress Classification.* Chicago: Amer. Libr. Assoc. 1968. S. 227-240

186 references, chronologically arranged in the three sections: tools, LC in the literature and reclassification.

004 Clearinghouse for Federal Scientific and Technical Information: **Classification - Indexing.** A report bibliography. Springfield, Va.: US Department of Commerce 1965. 34 p.

A report bibliography in the areas of classification, classification techniques, indexing, automatic indexing and subject indexing. It includes only those reports accessioned by the Clearinghouse since July 1964 that are indexed in the Defense Documentation Center computer.

005 Crawshay Williams, R., Gilmour, J. S. L.: **The principles of classification.** A brief bibliography. In: *Classificat. Soc. Bull.* 1 (1965) No. 1, p. 2-4

24 titles from the 19th and 20th century with short annotations.

006 Crovello, Th. J., Moss, W. W.: **A bibliography on classification in diverse disciplines.** In: *Classificat. Soc. Bull.* 2 (1972) No. 3, p. 29-45

297 references obtained from a questionnaire that was sent to the members of the Classification Society. They were asked to name the ten articles on classification considered as most important in their field.

007 Das Gupta, A. K.: **Essay in personal bibliography ...** A bibliography of writings on and by Dr. S. R. Ranganathan. Delhi: Asia Publishing House 1967. 405 p. = Ranganathan Festschrift, Vol. 2

An article on this enormous bibliography and its form and contents was published by B. I. Palmer (Ranganathan, The Man and His Works: View Through a Bibliography) in *Library Science with a Slant to Documentation* 6 (1969) and is reprinted in the FID/CR Report No. 12 "Ranganathan Memorial Issue", Copenhagen 1972.

008 Leach, E. R.: **Classification in social and cultural anthropology and prehistoric archaeology.** A select bibliography. In: *Classificat. Soc. Bull.* 1 (1966) No. 2, p. 19-26

40 titles with annotations in alphabetical order; except for two all titles are from the time "1950 or later".

009 Neelameghan, A.: **Basic Subject: a selected bibliography.** In: *Libr. Sci. with a Slant to Doc.* 10 (1973) No. 2, p. 261-265

77 references, alphabetically arranged.

010 Schneider, John H.: **A preliminary annotated bibliography of papers related to the use of classifications in automated information systems.** Bethesda, Md.: National Cancer Institute (NIH) 1971. 27 p. (NTIS No. PB-202 462)

011 Richmond, P. A.: **Reading list in classification theory.** In: *Libr. Resources & Techn. Services* 16 (1972) No. 3, p. 364-382

Almost 200 titles meant as introductory texts into the study of classification with short annotations arranged in a systematic order (attempt to provide an outline of the field of classification altogether).

012 Sneath, P. H. A.: **Key works in the history of biological classification.** In: *Classificat. Soc. Bull.* 1 (1965) No. 1, p. 5-13

Bibliography comprising 76 titles with short annotations arranged under the headings: theory, botany, zoology, microbiology, numerical taxonomy and evolution.

013 Sneath, P. H. A.: **Annotated bibliography on recent advances in numerical taxonomy, with special reference to botanical systematics.** In: *Classificat. Soc. Bull.* 1 (1968) No. 4, p. 49-56

55 titles covering "the main advances since the publication of 'Principles of Numerical Taxonomy' by R. R. Sokal and P. H. A. Sneath, San Francisco 1963 but is mainly directed toward the systematics of higher plants".

014 Weeks, D. C., Benton, M., Thomas, M. L.: **Universal Decimal Classification.** A selected bibliography of UDC literature. Washington, D. C.: Biological Sciences Communication Project. G. Washington Univ. Medical Center 1971. 34 p.

384 titles on the UDC from the last 10 years (without the UDC editions), arranged alphabetically.

"Hidden" Bibliographies

015 Dahlberg, I.: **Literatur zu den Informationswissenschaften.** (Information Sciences Literature) Annotierte Auswahlbibliographie internationaler Fachliteratur, 1960, 1971. Köln etc.: C. Heymanns Verl. 1972. XLI, 466 p. = Das Informationsbankensystem, Bd. III

In Section 2.2 "Ordnungslehre und Thesauruskunde" (Classification science and thesaurus research) almost 300 titles with annotations are listed in a systematic arrangement. The subject index to the whole volume (of some 5700 titles) reveals also literature on classification topics that has been published in documents included in other sections of the bibliography. Author index.

016 Engelen, G.: **Der Begriff der Klassifikation.** (The concept of classification) Hamburg: H. Buske Verl. 1971. 176 S. = Forsch. ber. d. Inst. f. Kommunikationsforsch. u. Phonetik d. Univ. Bonn, Bd. 36

Lists a bibliography of 458 titles in the Annex B.

017 Soergel, D.: **Indexing languages and thesauri: construction and maintenance.** Los Angeles, Calif.: Melville / New York: Wiley 1974. ca. 400 p.

Contains an extensive bibliography (some 800 titles) emphasising documents on thesaurus format and on procedures used in thesaurus construction. Individual items are evaluated with respect to topicality and quality. Alphabetical arrangement.

018 Vann, S. K.: **The Dewey Decimal Classification.**

In: Maltby, A. (Ed.): **Classification in the 1970's.** London: C. Bingley 1972. p. 89-122

74 references are given on the DDC.

Current Bibliographies

019 Centre National de la Recherche Scientifique. Centre de Documentation: **Bulletin Signalétique, 101. Science de l'Information Documentation.** Paris: 1 (1970) No. 1- ; monthly

Abstracts (in French) on classification in the Section "09. Analyse de l'information" with the sub-headings: Problèmes de linguistique et de sémiologie, Langues documentaires, Indexation et catalogage, Codification, Condensation, Autres types d'analyse.

020 Deutsche Gesellschaft für Dokumentation: **Schrifttum zu den Informationswissenschaften.** In: Nachr. Dok., Frankfurt, BRD 1 (1950) No. 1- ; 6x/ann.

From 1966 on under the heading "Schrifttum zur Dokumentation" with the special sections: "Ordnungslehre, Ordnungstechnik" and "Klassifikationssysteme"; from 1973, No. 1 on under different headings.

021 Documentation Abstracts, Inc.: **Information Science Abstracts** (formerly Documentation Abstracts) Philadelphia, Pa. 1 (1966) No. 1- ; 6x/ann.

Abstracts concerning topics of classification in the Section 7: "Analysis of information" with the following sub-headings: General aspects, Indexing, Classifying, Cataloging, Coding, Abstracting, Authority files.

022 Library Association: **Library and Information Science Abstracts.** London: 1 (1969) No. 1- ; 6x/ann.

Classification-relevant material in the Sections V-Z under the headings: Subject indexing, Classification schemes (general and special), Alphabetical subject indexing, Coordinate subject indexing, Computerized subject indexing.

023 State Committee for Science and Technology. Council of Ministers of the USSR. Institute for Scientific Information. Academy of Sciences of the USSR: **Abstract Journal. Referativnyi Zhurnal. Informatics.** Moskva: 1 (1966) No. 1- ; monthly

From 1967 on as a cover-to cover translation of the Russian edition. Classification matters in Section 5: "Information Retrieval" with the sub-headings: Classification and information languages, General and theoretical aspects, Library and bibliographic classifications and their application, Information retrieval languages, thesauri and their application. In Section one there are also abstracts from the field of science of science and linguistic and semiotic aspects of informatics (information science).

02 Literature Reviews

024 Blagden, J. F.: **Thesaurus compilation methods: a literature review.** In: Aslib Proc. 20 (1968) No. 8, S. 345-359, 70 ref.

025 Cuadra, C. A. (Ed.): **Annual Review of Information Science and Technology.** Washington, D. C.: Amer. Soc. Inform. Sci. Vol. 1 (1966)

Problems of classification and indexing are annually reviewed; in the volumes 1-4 under the heading: "Content analysis, specification and control" (1966: P. Baxendale, 1967: J. R. Sharp, 1968: O. E. Taulbee, 1969: R. A. Fairthorne) and in the volumes 5- under the heading: "Document description and representation" (1970: S. Artandi, 1971: B. C. Vickery, 1972: P. A. Richmond, 1973: W. E. Batten)

026 Fangmeyer, H.: **Semi-automatic indexing.** State of the art. Ispra, Italy: C. C. R. EURATOM/CETIS 1974. 22 p., 121 ref.

Contents: Semi-automatic indexing techniques (Conversational or interactive and symbiotic indexing techniques), primary or internal index production (derivative indexing) (KWIC-type indexes, back-of-the-book index), secondary index production and maintenance of indexing aids. Conclusions.

027 Grolier, E. de: **A study of general categories applicable to classification and coding in documentation**

Paris: Unesco 1962. 248 p. (Transl. from French 1960) Survey on general categories and expression of relationships in general and specialized classification and coding systems as well as in natural languages and experiments in international auxiliary languages. Problems of symbolization and notation.

028 Stevens, M. E., US Dept. of Commerce. National Bureau of Standards (Ed.): **Automatic indexing: a state-of-the-art report.** Washington, D. C.: U.S. Gov. Printing Office 1965. (2nd ed. 1970) 220 p., 662 ref., \$1.50 = NBS Monograph 91

029 Walker, D. E.: **Automated Language Processing.** Menlo Park, Calif.: Stanford Research Institute. AI Center 1973. = Technical Note No. 77

Review of literature on automated language processing written or published during 1971 and 1972. Besides topics from computational linguistics studies in text processing are also discussed that involve augmentation systems, document analysis, document retrieval, dictionaries and lexicons as well as automatic and machine-aided retrieval. 325 references.

030 Wright, K. C.: **Trends in modern subject analysis with reference to text derivative indexing and abstracting methods: the state of the art.** Information, Part 2/ Reports. Bibliographies 1 (1972) No. 5, p. 1-18; 122 ref.

03 Classification Systems & Thesauri

This time only bibliographies of classification systems and thesauri are listed. Starting with the next issue the recently published systems will be listed here themselves

031 Barske, I. L., Tschache, L. (Comp.): **Thesauren und ähnliche Begriffslisten.** (Thesauri and similar concept lists), Berichtszeit 1968–1968. Dresden: TU Dresden 1969. 134 S. = Bibliothek der TU Dresden. Bibliographische Arbeiten Nr. 4

Lists 173 thesauri and similar concept lists as well as 508 references of literature on thesauri. Subject and author index.

032 Denison, B. (Comp.): **Selected materials in classification.** A bibliography. New York, N. Y.: Special Libraries Assoc. 1968. 142 p.

List of the holdings (almost 1500 titles) of the Bibliographic Systems Center at the School of Library Science, Case Western Reserve University, Cleveland, Ohio, concerning literature on classification in general and on specific systems and classification systems as such. Arrangement according to subject fields. No index.

033 Bibliographic Systems Center: **Catalog of holdings.** Alphabetical Subject Arrangement. Cleveland, Unesco. 1970. Vol. 1: 403 p., Vol. 2: 407 p.

Printouts of the data on classification systems and thesauri collected at the Unesco-supported Bibliographic Systems Center, Cleveland, Ohio.

034 Scibor, E.: **Systematyzacja dokumentów.** Zestawienie bibliograficzne z zakresu teorii klasyfikacji. (Systematization of documents. A bibliography in the field of classification theory.) Warszawa: Central Institute for Scientific Technical and Economic Information (CIINTE) 1966. 65 p.

035 Institute for Scientific, Technical and Economic Information (IINTE): **Bibliographic Bulletin of the Clearinghouse at IINTE.** Warszawa: IINTE 1969—
“The holdings and bibliographic data of the Clearinghouse for Scientific and Technical Thesauri, Descriptor-, Key-word-, Subject-Heading-Lists, Classification Schedules and other Means of Information Retrieval in Languages other than English”. So far there have been 5 Supplements to the first issue 1969, altogether 1347 titles are cited. References are to systems as well as to literature on classification and thesaurus-construction.

036 Laureilhe, M. T.: **Essai de bibliographie des thesauri et index par matières parus depuis 1960.** In: Bull. Bibl. France 14 (1969) No. 5, p. 203–218; 15 (1970) No. 1, p. 21–26; 16 (1971) No. 1, p. 33–38; 17 (1972) No. 2, p. 67–73 und 18 (1973) No. 3, p. 101–107

037 Levy, F., Hoppé, K.: **Liste de quelques instruments de classification en France.** In: Bull. Bibl. France 15 (1970) No. 5, p. 243–257

Survey on the kind of classification systems used by 97 centres (archives, libraries, information centers) in France and data on the systems as well as on the use of the systems (in catalogs, bibliographies, etc.). Index for the subject fields of the centers. Tabular display of the data.

038 Neelameghan, A.: **Design of schemes for classification.** In: Kent, A., Lancour, H., Nasri, W. Z. (Eds.): *Encyclopedia of Library and Information Science*, Vol. 7. New York: Marcel Dekker 1972. p. 281–285

List of 87 “Depth classification” versions of CC for just as many subject fields with indication of the author(s) and the place published in tabular display.

039 **Thesauri Relação Bibliográfica.** Lisboa: Centro de Documentação Científica Ultramarina 1971—

Continuing bibliography of thesauri, arranged according to the UDC. In the three issues (1971, 1972, 1973) 491 references have been listed. It is planned to issue a cumulative volume in 1975. (from FID News Bull. 24 (1974) No. 2, p. 19)

040 Walkley, J., Hay, B.: **An annotated list of thesauri held in the Aslib library.** In: *Aslib Proc.* 23 (1971) No. 6, p. 292–300

59 Thesauri, ordered according to the UDC

04 Dictionaries, Terminologies

041 Cowan, S. T.: **A dictionary of microbial taxonomic usage.** Edinburgh: Oliver & Boyd 1968. 118 p.,

“A concise guide to terminology and basic concepts ... notes on technical terms in taxonomy, nomenclature”, (From a short review in: *Classificat. Soc. Bull.* 2 (1969) No. 1, p. 41)

042 GOST 17369. 1971. **Classification and coding of information.** Basic concepts. Terms and definitions. Klassifikacija i kodiranje informacii. Osnovnye ponjatija. Termini i opre delenija. Moscow 1971. (In Russian) (From *Abstract Journal. Ref. Žur. Informatics* (1972) No. 8, p. 6)

The document is the USSR State Standard GOST 17369–71, to be enacted from Jan. 1, 1973. The standard lays down terms and definitions of the basic concepts in the field of classification and coding of information. The terms are obligatory for use in documenting all kinds of educational and reference literature.

043 IS 2550. 1963. **Glossary of classification terms.** Indian Standard. New Delhi: Indian Standards Institution 1964. 110 p.

The standard is at present under revision.

044 ISO R 1087. June 1969. **Vocabulary of terminology.** Geneva: International Standardization Organization 1969.

05 Proceedings

In this section we only include proceedings, etc. of classification conferences starting with the Dorking Conference, 1957. Although in many of the international and national conferences on information science there are often also papers on classification topics, we decided not to include them here as yet for survey reasons. There is just one exception to this: the DRTC Annual Seminars, because these are mostly devoted to classification themes.

045 Proceedings of the International Study Conference on Classification for Information Retrieval. Dorking, England, 13–17 May 1957. London: Aslib; New York: Pergamon Press 1957. 151 p.

The Conference was organized by Aslib and sponsored by the FID, 36 participants from 8 countries attended. The discussions are summarized at the end. Conclusions and recommendations, two appendices and a participants list are also included. – 046 Ranganathan, S. R.: Library-classification as a discipline. 047 Campbell, D. J.: Glossary to Ranganathan's paper. – 048 Shera, J. H.: Pattern, structure, and conceptualization in classification for information retrieval. – 049 Mills, J.: Classification of a subject field. – 050 Vickery, B. C.: Relations between subject fields: problems of constructing a general classification. – 051 Coates, E. J.: Notation in classification. – 052 Farradane, J.: Classification and mechanical selection. – 053 Ball, N. T.: Contributions of classification to science. – 054 Grolier, E. de: Concluding survey. App. 1: Occupational safety and health documents classification scheme by D. J. Foskett. App. 2: The need for a faceted classification as the basis of all methods of information retrieval.

055 Kuhn, H., Wiedmann, F. (Hrsg.): Das Problem der Ordnung. Sechster deutscher Kongreß für Philosophie, München 1960. Meisenheim am Glan: Verl. A. Hain 1962. 351 S.

Enthält 4 Einzelvorträge und die Vorträge und Diskussionsberichte zu den 8 Symposien mit folgenden Themen: 1. Ordnung und Politik, 2. Seinsordnung und Sinnordnung, 3. Ordnung in der Logik, 4. Sinn der Geschichte, 5. Das Ordnungsproblem in der Sprachphilosophie, 6. Metaphysische und religiöse Ordnung, 7. Probleme der Psychosomatik, 8. Ordnung und Gesellschaft. Die Vorträge im einzelnen: 056 Kuhn, H.: Ordnung im Werden und Zerfall. – 057 Gadamer, H.-G.: Die Natur der Sache und die Sprache der Dinge. – 058 Blumenberg, H.: Ordnungsschwund und Selbstbehauptung. Über Weltverstehen und Weltverhalten im Werden der technischen Epoche. – 059 Lorenzen, P.: Das Begründungsproblem der Geometrie als Wissenschaft der räumlichen Ordnung. – 060 Lübke, H.: Typologie der politischen Theorie. – 061 Habermas, J.: Über das Verhältnis von Politik und Moral. – 062 Krings, H.: Sinn und Ordnung. – 063 Conrad Martius, H.: Sinn und Sein. – 064 Beth, E. W.: Ordnung in der Logik. – 065 Hermes, H.: Zum Begriff der Logik. – 066 Köhler, H.: Sinn und Geschichtlichkeit der Geschichte. – 067 Apel, K.-O.: Sprache und Ordnung. – 068 Lohmann, J.: Das Ordnungsprinzip der Sprachwissenschaft. – 069 Trillhaas, W.: Zum Problem ‚Metaphysische und religiöse Ordnung‘. – 070 Metz, J. B.: Theologische und metaphysische Ordnung. – 071 Uexkiill, Th. v.: Der Körper als Problem der psychosomatischen Medizin. – 072 Loch, W.: Zur Problematik des Seelenbegriffs in der Psychoanalyse. – 073 Maihofer, W.: Ordnung und Gesellschaft. – 074 Klug, U.: Ordnung und Gesellschaft.

075 Classification Research Group: Classification and Information Control. London: The Libr. Assoc. 1969. 130 p. = Libr. Assoc. Res. Publ. No. 1

Besides 14 other contributions this volume contains under point 1. "Some problems of a general classification scheme: Report of a conference held in London, June 1963", with the following 5 papers and a Final Statement: 076 Foskett, D. J.: Origins of the conference. – 077 Fairthorne, R. A.: 'Browsing' schemes and 'specialist' schemes. – 078 Kyle, B. R. F.: Lessons learned from experience in drafting the Kyle Classification. – 079 Mills, J.: Inadequacies of existing general classification schemes. – 080 Coates, E. J.: CRG proposal for a new general classification.

081 Atherton, P. (Ed.) and FID/CR Committee on Classification Research; Danish Centre for Documentation: Classification research. Proceedings of the Second International Study Conference. Elsinore, 14–18 Sept. 1964. Kopenhagen: Munksgaard 1965. 563 p. = FID publ. 370

Texts of the 27 papers with discussions opened by the comments of rapporteurs. Introductory talks by V. Ammundsen, R. Mølgaard, H. E. Öhman, S. R. Ranganathan. Closing remarks by R. Mølgaard. H. Conclusions and recommendations. Name and subject index. The papers: – 082 Grolier, E. de: Current trends in theory and practice of classification. – 083 Ranganathan, S. R.: Library classification through a century. – 084 Richmond, P. A.: Contribution toward a new generalized theory of classification. – 085 Dobrowolski, Z.: Analysis of classification systems. – 086 Ranganathan, S. R.: General and special classifications. – 087 Angell, R. S.: On the future of the Library of Congress Classification. – 088 Schuchmann, M.: The Universal Decimal Classification; yesterday, today and tomorrow. – 089 Cordonnier, G.: A new method of syllabic coding. – 090 Dobrowolski, Z.: Notational system with short symbols. – 091 Toman, J.: A system of faceted classification with a multidimensional mnemonic notation and with a classification formula. – 092 Gardin, J. C.: Free classifications and faceted classifications: their exploitation with computers. – 093 Hillman, D. J.: Mathematical classification techniques for non-static-document collections, with particular reference to the problem of relevance. – 094 Boroko, H.: Research in computer based classification systems. – 095 Körner, H. G.: Short and flexible generic codes for mechanized information retrieval. – 096 Rolling, L.: The role of graphic display of concept relationship in indexing and retrieval vocabularies. – 097 Meyer-Uhlenried, K.H.: Classification and automatic documentation. – 098 Fugmann, R.: Experiences with a faceted classification in organic chemistry using computers. – 099 Scheele, M.: The significance of automation for classification. – 100 Harty, J. F.: A look at research in legal information retrieval. – 101 Artandi, S.: Investigation of systems for the intellectual organization of information. – 102 Mills, J.: Classification as an indexing device. – 103 Cleverdon, C. W.: The testing and evaluation of the operating efficiency of the intellectual stages of information retrieval systems. – 104 Melton, J. S.: A use for the techniques of structural linguistics in documentation research. – 105 Tell, B. V.: On criteria for evaluating IR systems. – 106 Neelameghan, A.: New developments in classification in India. – 107 Rigby, M.: Standardization for classification in computerized documentation systems.

108 Report of a Symposium on "The Application of Mathematical Techniques to Classification", London, Institute of Archaeology, April 1, 1965. In: *Classification Soc. Bull.* 1 (1965) No. 1, p. 28–35

Short introduction by the chairman, Dr. P. H. A. Sneath and summaries of the following papers: – 109 Hodson, F. R.: Archaeology. – 110 Ivimey-Cook, B.: Flowering plants. – 111 Nash, F. A.: Diseases. – 112 Needham, R.: Linguistics. – 113 Williams, W. T.: Plant taxonomy and ecology.

114 Report of a Joint Symposium organized by The Systematics Association and The Classification Society on "The Classification of Changing Phenomena", March 1966. In: *Classification Soc. Bull.* 1 (1966) No. 2, p. 30–37

Abstracts of papers on 1) Biology, 2) Language: 1. Synchronic phonological classification and its diachronic (ir) relevance. – 115 Trim, J. L. M.: Language: 11. – 116 Clarke, D. L.: Archaeology. – 117 Lambert, J. M.: Plant ecology.

118 Perreault, J. M. (Ed.): Proceedings of the International Symposium on Relational Factors in Classification. Center of Adult Education. Univ. of Maryland, 8–11 June 1966. In: *Inform. Storage & Retrieval* 3 (1967) No. 4, S. 177–410

Texts of the ten papers with critical comments, the authors of which are mentioned in brackets after the titles: – 119 Perreault, J. M.: On the articulation of surrogates: an attempt at an epistemological foundation (P. A. Richmond). – 120 Ceccato, S.: Concepts for a new systematics (R. Bregzisz, D. E. Walker). – 121 Soergel, D.: Some remarks on information languages; their analysis and comparison (P. Atherton, R. A. Fairthorne). – 122 Farradane, J.: Concept organization for information retrieval (P. Atherton, H. Boroko). – 123 Levy, F.: On the relative

nature of relational factors in classifications (P. A. Richmond, H. Borko). – 124 Newman, S. M.: An operative information retrieval system based on relational factors (F. W. Lancaster, D. E. Walker). – 125 Pages, R.: Relational aspects of conceptualization in message analysis (T. M. Williams, R. Breggis). – 126 Dale, A. G.: Indexing and classification for interactive retrieval systems (T. M. Williams, F. W. Lancaster). – 127 Grolier, E. de: Synoptic critique. – 128 Ranganathan, S. R.: Hidden roots of classification.

129 Zentralinstitut für Information und Dokumentation ZIID) (Ed.): **RGW-Symposium. Entwicklung von Deskriptorsystemen und ihre Nutzung beim Wiederauffinden von Informationen. (Comecon-Symposium. Development of descriptor systems and their use in information retrieval)** Berlin, 28. Juni – 1. Juli 1966. Berlin: ZIID 1966. 265+283 p. = ZIID-Schriftenreihe 12.

International conference with 105 participants from 8 Eastern countries. Texts of the 37 papers and discussion remarks to some topics, such as terminological problems, relations between descriptor systems and classification systems and construction of descriptor systems. All the papers are in German. – 130 Toman, J.: Vergleich der modernen alphabetischen Ordnungssysteme und Klassifikationssysteme. – 131 Leski, K.: Einige Prinzipien der Schaffung von Deskriptoren und Thesauri. – 132 Bud'ko N. S.: Methodik der Ausarbeitung von Deskriptorverzeichnissen für Rechensysteme. – 133 Hanicke, P.: Schlagwortverzeichnisse – Deskriptorsysteme – Thesauri. Wie macht man das? Eine Arbeitsanleitung für die Praxis. – 134 Atanasiu, P., Lazarescu, G.: Vergleichende Analyse von Thesauri und Möglichkeiten ihrer Vervollkommnung. – 135 Balázs, S., Orosz, G.: Übersicht über die Arbeiten an Deskriptorsystemen in der Ungarischen Volksrepublik. – 136 Meier, G.: Linguistische, besonders semantische Probleme der Informationsverarbeitung. – 137 Cernjavskij, V. S., Kuznecov, V. I.: Die Erarbeitung automatisierter Rechensysteme vom Deskriptortyp. – 138 Závada, J.: Einfluß der Konstruktion eines Thesaurus auf die Effektivität der mechanisierten Dokumentenverarbeitung. – 139 Svankmajer, M.: Der Grundtyp des Codes und die logische Struktur der Inhaltsregistrierung der Dokumente. – 140 Bojar, B.: Lexikalische Charakteristik eines Textes, in dem Fragen der Beobachtung künstlicher Erdsatelliten behandelt werden. – 141 Orosz, G., Pataky, E.: Ein Deskriptorsystem für die Informationsrecherche mittels Maschinenlochkarten. – 142 Helbich, J.: Anwendung von Deskriptorsystemen in der Strahlenhygiene. – 143 Fogl, J.: Erfahrungen bei der praktischen Anwendung eines Deskriptorsystems beim mechanisierten Sortieren von Informationen auf ARITMA-Lochkartenmaschinen für das Fachgebiet „Erkundung und Förderung von Erdöl“. – 144 Bugnariu-Blaga, A. D.: Recherche mit Hilfe von ARITMA-Sortiermaschinen auf der Grundlage eines Thesaurus. – 145 Voiculescu, M.: Ein mit Hilfe von Lochkartenmaschinen und eines Thesaurus aufgestelltes alphabetisches Sachregister. – 146 Lüpnitz, F.: Einsatz technischer Hilfsmittel bei der Erarbeitung von Thesauri. – 147 Bauer, G.: Gedanken zur Theorie des Aufbaus und der Funktionsweise der in einem Thesaurussystem zusammengefaßten Thesaurusarten. – 148 Maneck, M.: Thesaurussystem „Chemie“ – ein Beitrag zur Schaffung eines einheitlichen Dokumentations- und Informationssystems auf dem Gebiet der Chemie. – 149 Smorodinova, E. V.: System der mechanisierten Patentrecherche auf dem Gebiet gyroskopischer Geräte. – 150 Grecu, N., Kuiban, L., Dantschu, V., George, I., Michelis, A.: Erfahrungen bei der Zusammenstellung eines terminologischen Rohvokabulariums auf dem Gebiet der physikalischen Chemie und seine Anwendung beim Wiederauffinden von Informationen. – 151 Bugnariu-Blaga, A. D.: Periodische Analysen des koordinativen Indexierens auf dem Fachgebiet „Dokumentation“. – 152 Vejsová, A.: Deskriptorsystem eines universal-technischen Fonds. – 153 Ungurian, O.: Aufbau eines alphabetischen Sachregisters zur DK, das den an Thesauri gestellten Anforderungen und ihren Begrenzungen entspricht. – 154 Seidel, W.: Erfahrungen über Versuche zur Bildung von Deskriptoren für Rechercheverfahren mit Maschinenlochkarten auf dem Gebiet der Wirtschaftswissenschaften. Vorbereitete Diskussionsbeiträge. 155 Claus, F.: Die hierarchisch gegliederten Klassifikationssysteme als Basis für die Begriffslisten beim Sichtlochkartenverfahren. – 156 Sechser, O.: Welche Variablen müssen

sich in einem Maß für die Vollkommenheit einer Rechensprache widerspiegeln? – 157 Bergmann, S.: Die Ausnutzung logischer Deskriptorenfunktionen in Notationssystemen. – 158 Lüpnitz, F.: Verschlüsselte oder unverschlüsselte Systeme? Die natürliche Sprache. – 159 Hoffmann, G.: Erkenntnisse und Erfahrungen bei der Aufstellung von Teilthesauri. – 160 Kimlicek, O.: Konzeption und Aufstellung eines Thesaurus für das Fachgebiet „Holz“ in der CSSR. – 161 Hähnel, H. R., Neumann, C.: Erste Erfahrungen bei der Aufstellung eines Fachthesaurus für das Gebiet „Erdölverarbeitung auf Kraftstoffe und Heizöle“. – 162 Hoffmeister, D.: Erfahrungen beim Arbeiten mit Begriffsschlüssellisten auf dem Gebiet der Pflanzenschutz- und Schädlingsbekämpfungsmittel unter besonderer Berücksichtigung des Einsatzes von 80spaltigen Maschinenlochkarten für Speicherung und Information. – 163 Hörig, J.: Grundsätze und Erfahrungen bei der Aufstellung von Begriffsschlüssellisten für die Information eines Wissenschaftlichen Industriebetriebes. – 164 Iser, F.: Erfahrungen mit der Erfassung von Prospekten und von ökonomischen und technischen Referaten auf 80spaltigen Maschinenlochkarten.

165 Schimmelpfeng, R. H., Cook, C. D.: **The use of the Library of Congress Classification. Proceedings of the Institute on the use of the Library of Congress Classification, sponsored by the American Library Association, Resources and Technical Services Division, Cataloging and Classification Section, New York City, July 7–9, 1966.** Chicago, Ill.: Amer. Libr. Assoc. 1968. 245 p.

13 papers and a list of libraries using the LC Classification wholly or in part in the Appendix as well as a bibliography of 186 references and an index. – 166 Tauber, M. F.: Review of the use of the Library of Congress Classification. – 167 Bead, C. C.: The Library of Congress Classification: development, characteristics and structure. – 168 Hedlesky, N.: Special problems in social and political sciences (Classes H and J). – 169 Hines, P. S.: Special problems in literature (Class P). – 170 Blume, E. J.: Special problems in science and technology. (Class Q–V). – 171 Holmes, R. R.: Assignment of author numbers. – 172 Lockwood, E.: Subclassification and book numbers in language and literature. – 173 Arick, M. C.: Subclassification and book numbers of documents and official publications. – 174 Cox, C. R.: The organization of materials in academic libraries changing to the Library of Congress Classification. – 175 Sanner, M.: The organization of materials in public libraries changing to the Library of Congress Classification. – 176 Herrick, M. D.: Orientation of staff and clientele into the Library of Congress Classification. – 177 Hitchcock, J. E.: Cost estimates and time schedules in reclassification. – 178 Richmond, P. A.: General advantages and disadvantages of using the Library of Congress Classification.

179 Documentation Research and Training Centre (DRTC): **Annual Seminar 4. Universe of Knowledge. Depth Classification.** Documentation list. Bangalore, India: DRTC 1966. 618 p.

23 papers arranged according to the subjects of the seminar's title with a report on DRTC research in 1966, proceedings of the seminar and an index. The papers of the areas 1 and 2: – 180 Richmond, P. A.: The universe of knowledge: challenge. – 181 Nuyll, T. W. te: Librarian and the universe of knowledge. – 182 Ranganathan, S. R.: Subject, quasi-subject and subject-bundle. – 183 Girja Kumar: Social sciences and their interrelations. – 184 Krishnamurthy, K. G.: Political sociology: scope and trend. – 185 Savithri, M.: Study of political behaviour. – 186 Ranganathan, S. R.: Freely faceted classification and depth classification. – 187 Parthasarathy, V. V.: Formation of basic subject. – 188 Neelameghan, A., Bhattacharyya, G.: Derivation of basic class with particular reference to 'Commodity production engineering'. – 189 Neelameghan, A., Gopinath, M. A.: Array division with packet notation: case study. – 190 Neelameghan, A., Sangameswaran, S. V.: Scheduled mnemonics in depth classification: case study. – 191 Bhattacharyya, G., Bhattacharyya, M.: Library science: depth classification. – 192 Ranganathan, R., Neelameghan, A.: Air vehicle wing production: depth classification. – 193 Vasudeva Rao, K. N.: Chemical rocket engine production: depth classification. –

194 Ramananda, B. S., Anjaneyulu, V.: Production engineering of laser; depth classification. – 195 Goonetilleke, S. C.: Rubber cultivar: depth classification. – 196 Wasan, R. P.: Foreign policy: a scheme for classification.

197 Samore, T. (Ed.): **Problems in Library Classification.** Dewey 17 and Conversion. Milwaukee, Univ. of Wisconsin, Nov. 1966 and May 11–12, 1967. Milwaukee, Wisc.: Univ. of Wisconsin 1968. 186 p.

The first part of the conference was devoted to problems encountered by producers and users of Dewey 17, the second part to library classification conversion. The papers of part 2: – 198 Talmadge, R. L.: One library's case against conversion. – 199 Comins, D.: The library case for conversion. – 200 Ortoyan, L. R.: Support for conversion to LC. – 201 Spyers-Duran, P.: More support for conversion to LC. – 202 Cox, C. R.: Costs of reclassification. – 203 Riley, J.: LC classification, its use by federal and other libraries. – 204 Naeseth, G.: Problems of reclassification: academic libraries. – 205 Sanner, M.: Problems of reclassification: public libraries. – 206 Eberhart, L.: Problems of reclassification: state libraries. – 207 Howard, P.: Emerging patterns of automation and classification in federal libraries. – 208 Samore, T.: Summary and analysis.

209 Tauber, M. F., Frarey, C. J., Batts, N. C. (Eds.): **The Dewey Decimal Classification.** Outlines and papers presented at a Workshop on the Teaching of Classification, Dec. 8–10, 1966. New York, N. Y.: School of Library Service. Columbia University 1968. 121 p.

210 Simonton, W. C.: The current role of Dewey, Library of Congress and other classification systems in libraries. – 211 Ball, K.: Problems in teaching characteristic decimal classification features. – Problems associated with presenting and teaching the schedules: – 212 Colvin, L. C.: ... the general class (000); language and literature (400) and (800). – 213 Hickey, D. J.: ... Philosophy (100); Religion (200); and the fine arts (700). – 214 Markley, A. E.: ... social science (300) and history (900). – 215 Kaltenbach, M.: ... science (500) and technology (600). – 216 Bidlack, R. E.: Teaching problems arising from the availability of multiple editions of Dewey, abridged and unabridged. – 217 Drewry, V.: Problems in teaching the Decimal Classification for use in children's collections and in school libraries. – 218 Stevens, J. E.: Teaching problems associated with the availability and use of centralized cataloging service. – 219 Pautzsch, R. O.: Teaching problems related to the administration of classification activities in libraries. – 220 Rockwood, R. H.: Teaching aids and methods: current availability and need. – 221 Seely, P. A.: Expectations of the administrator for the teaching of Decimal Classification in library schools.

222 Diemer, A. (Ed.): **System und Klassifikation in Wissenschaft und Dokumentation.** (System and classification in science and documentation). Vorträge und Diskussionen im April 1967 in Düsseldorf. Meisenheim/Glan: A. Hain Verl. 1968. 183 p. = Studien zur Wissenschaftstheorie, Bd. 2.

Texts of the 11 papers and their discussions as well as 4 contributions from members of the Philosophical Institute of the University of Düsseldorf, one being concerned with the terminology of "classification" and "system". Also included are some reprints from Heinrich Lambert. – 223 Stein, A. v. d.: Der Systembegriff in seiner geschichtlichen Entwicklung. – 224 Baron, W.: Methodologische Probleme der Begriffe Klassifikation und Systematik sowie Entwicklung und Entstehung in der Biologie. – 225 Remane, A.: System und Klassifikation in der Biologie. – 226 Bumann, W.: System und Klasseifikation in der Sprachtheorie. – 227 Schmidt, H. A.: Mathematische Strukturen und formale Systeme. – 228 Juhos, B.: Die Systemidee in der Physik. – 229 Ströker, E.: Zur Systemproblematik in der Chemie. – 230 Viehweg, T.: Systemprobleme in Rechtsdogmatik und Rechtsforschung. – 231 Kade, G.: Die Systemidee in den Wirtschaftswissenschaften. – 232 Siebel, W.: Klassifizierung und Messung. – 233 Scheele, M.: System und Klassifikation in der Dokumentation.

234 Zentralinstitut für Information und Dokumentation (ZIID) (Ed.): **Nationales Symposium. Thesauri für mechanisierte Informationsrecherchesysteme.** (National Symposium. Thesauri for mechanized information-retrieval-systems), Berlin, 5.–6. April 1967. Berlin: ZIID 1967. 279 p. = ZIID-Schriftenreihe 16

Texts of the 14 papers, 4 discussion remarks and text of guidelines for the naming of concepts in the field of thesauri. – 235 Rosenbaum, H.-D.: Probleme der Thesaurusarbeit und die nächsten Aufgaben zu ihrer Lösung in der Deutschen Demokratischen Republik. – 236 Hirsch, S.: Der Thesaurus zwischen Fachwissenschaft und Informationsspeicher. – 237 Herrman, P., Löschner, G.: Thesaurus zur Erschließung der Literatur über Diffusion. – 238 Hanicke, P.: Erfahrungen beim Aufbau des Fachthesaurus „Holztechnologie“. – 239 Blankenstein, G.: Konzeption zur Erarbeitung eines Thesaurus auf dem Sachgebiet Nahrung und Ernährung. – 240 Hübner, W.: Methodische Probleme bei der Erarbeitung eines Systems medizinischer Fachthesauri. – 241 Rosemann, S.: Über erste Erfahrungen beim Aufbau einer Begriffsschlüsselliste für das Gebiet „Explosivstoffe“. – 242 Neumann, C.: Aufstellung eines Fachthesaurus für das Gebiet der Erdölverarbeitung auf Kraftstoffe und erste Erfahrungen bei der Klassifizierung wissenschaftlich-technischer Fachliteratur. – 243 Nenninger, U.: Erste Erfahrungen beim Aufbau eines Fachthesaurus für Informations- und Dokumentationswissenschaft. – 244 Hörig, J.: Erfahrungen aus der praktischen Arbeit mit Maschinenlochkarten und Konsequenzen für ein verallgemeinertes Recherchesystem. – 245 Hoffmann, G.: Patentedokumentation. – 246 Iser, F.: Klassifikationssystem und Deskriptorsystem in der maschinellen Lochkartentechnik – Erkenntnisse aus der Praxis. – 247 Bergmann, S.: Praxisbezogener Aufbau eines Deskriptorsystems in der Zentralen Leitstelle für Information und Dokumentation Energie im Institut für Energetik. – 248 Bauer, G.: Zur Methodik des Aufbaus „koordinierfähiger“ Fachthesauri im Rahmen des Thesaurussystems Chemie. – 249 Pilz, J.: Probleme des Aufbaus eines Thesaurusystems „Technologie und Organisation der Produktion im Maschinenbau“. – 250 Goldammer, I., Stein, G.: Thesauri – Koordinierung – sowjetische bibliothekarisch-bibliographische Klassifikation – elektronische Datenverarbeitung. – 251 Claus, F.: Der Fachthesaurus und die einzelnen Betriebe. – 252 Frank, W.: Erste Erfahrungen bei der Aufstellung eines Fachthesaurus auf dem Gebiet Verzahnmaschinen unter Beachtung der Auswertung der gesamten Fachliteratur einschließlich Patentschriften.

253 Documentation Research and Training Centre (DRTC): **Annual Seminar 5. Developments in classification. Management of reprography service.** Subject headings and feature headings. Bangalore, India: DRTC 1967. 558 p.

20 papers arranged according to the subjects of the seminar's title with a report on DRTC research in 1967, a glossary proceedings of the seminar, and an index. The papers of the areas 1 and 3: – 254 Bavadekar, P. N., Chandrasekhara Sastri, K., Chellapa, C. C., Ranganathan, T.: Rate of development of the universe of subjects and the design of schemes for classification. – 255 Ranganathan, S. R.: Kinds of bonds between two subjects including fusion bond. – 256 Gupta, B. L.: Principles for facet sequence a comparative study. – 257 Ranganathan, T.: Use of the schedule for common property isolates in the design of schedules for classification: case study. – 258 Bhattacharyya, G.: Library cataloguing: depth classification. – 259 Chakraborti, A. K.: Furnace production engineering: depth classification. – 260 Anjaneyulu, V.: Computer production engineering: depth classification. – 261 Sangameswaran, S. V., Gopinath, M. V.: Schedule of commodities in food technology: depth classification. – 262 Seetharama, S.: Revision of the schedule of organs of the human body in CC. – 263 Kumedan, B. S., Parkhi, R. S.: Social work: depth classification. – 264 Lang, F. H.: Dezimalklassifikation. – 265 Ramananda, B. S.: Subject headings by chain procedure and classification. – 266 Subrahmanyam, R. V.: Chain procedure and cyclic permutation of terms in class index entry. – 267 Neelameghan, A., Bhattacharyya, G.: Class index entries for a micro document: a case study.

Perreault, J.M. (Ed.): **Reclassification. Rationale and problems.** Proceedings of a Conference on reclassification held at the Center of Adult Education. University of Maryland. College Park, Md., April 4 to 6, 1968. College Park, Md.: Univ. of Maryland 1968. 191 p.

269 Needham, C.: Dewey decimal classification. — 270 Shell, E. E.: A rationale for using the Library of Congress system in reclassification. — 271 Dewey, H.: The relationship between the headings in the subject catalog and the classification numbers of the books. — 272 Perreault, J. M.: The Universal Decimal Classification as candidate for reclassification either on the shelf or in the catalog. — 273 Taylor, D.: Reclassification to L. C.: Planning and personnel. — 274 Geines, J. E.: The financial aspects of reclassification. — 275 Batty, C. D.: Some aspects of workflow in reclassification. — 276 Buckland, L. F.: Contractor involvement in reclassification projects. — 277 Freeman, R. R.: Trends in bibliographic data processing in the context of reclassification of libraries. — 278 Caless, T.: Precondition of electronic searchability.

279 Diemer, A. (Ed.): **Der Wissenschaftsbegriff.** Historische und systematische Untersuchungen. Vorträge und Diskussionen im April 1968 in Düsseldorf und im Oktober 1968 in Fulda. Meisenheim am Glan: Verl. A. Hain 1970. 277 p. = Studien zur Wissenschaftstheorie, Bd. 4.

The first 9 papers were presented and discussed in Oct. 68 at the VI. Symposium of the Gesellschaft für Wissenschaftsgeschichte: „Der Wandel des Wissenschaftsbegriffs“, the last six ones at the IV. Wissenschaftstheoretisches Kolloquium of the Philosophisches Institute, Universität Düsseldorf in April 1968. — 280 Diemer, A.: Der Wissenschaftsbegriff in historischem und systematischem Zusammenhang. — 281 Schipperges, H.: Zum Wissenschaftsbegriff im arabischen Mittelalter. — 282 Henrichs, N.: *Scientia Magica*. — 283 Nobis, H. M.: Die wissenschaftstheoretische Bedeutung der peripatetischen 'questione mechanicae'. Bemerkungen zum Verhältnis von 'ars' und 'scientia' im 16. und 17. Jahrhundert. — 284 Bumann, W.: Der Begriff der Wissenschaft im deutschen Sprach- und Denkraum. — 285 Geldsetzer, L.: 'Science' im französischen Sprach- und Denkraum. — 286 Risse, W.: Der Wissenschaftsbegriff in England im 17. und 18. Jahrhundert. — 287 Stein, A. von der: System als Wissenschaftskriterium. — 288 König, G.: Der Wissenschaftsbegriff der 'philosophy of science'. — 2. Teil: — 290 König, G.: Mathematik als Wissenschaft. — 291 Meyer-Abich, A.: Die Erkenntnisideale der Biologie. — 292 Geldsetzer, L.: Begriffe und Ideale wissenschaftlicher Philosophie. — 293 Herrmann, Th.: Der Wissenschaftsbegriff der Psychologie. — 294 Heinz, R.: Zum Begriff der philosophischen Kunstwissenschaft im 19. Jahrhundert. — 295 Wohlgenannt, R.: Übereine Untersuchung des Begriffs der Wissenschaft.

Mølgaard H. R., Rigby, M. (Eds.): **Proceedings of First Seminar on UDC in a Mechanized Retrieval System.** Conducted by R. R. Freeman and P. Atherton, Copenhagen, 2–6 Sept. 1968. Copenhagen: Danish Centre for Documentation 1969. 160 p. = FID/CR Report No. 9

Includes four reports on the seminar and the following 12 papers: 297 Lloyd, G. A.: An FID viewpoint on the role of UDC in a world science information system (Keynote address on behalf of the FID). — 298 Freeman, R. R., Atherton, P.: Final report of the research project for the evaluation of the UDC as the indexing language for a mechanized reference retrieval system (American Institute of Physics, UDC Project). — 299 Corbett, L.: Computer-based information services, including the use of UDC at UKAEA Aldermaston. — 300 Norris, H. J.: The use of UDC at the A. U. W. E. Scientific and Technical Information Centre. — 301 Senf, E.: Current developments in mechanization of the UDC at the Zentralstelle für maschinelle Dokumentation. Frankfurt/Main. — 302 Barnholdt, B.: A computer-based system for production of a UDC-classed library catalogue at the Technological University Library of Denmark. — 303 Gallizia, A., Bardone, G.: Brief note concerning indexing, classification and UDC in the legal mechanized retrieval system. — 304 Freeman, R. R.: Evaluation of the retrieval of metallurgical document references

using UDC as the index language in a computer-based system. — 305 Caless, T. W.: Subject analysis matrices for classification with UDC. — 306 Perreault, J. M.: On the colon in UDC and the Boolean operators. — 307 Wesseling, J. C. G.: Application of J. Perreault's relator system for use within the Universal Decimal Classification. — 308 Rigby, M.: Selective dissemination of information using UDC in international information networks.

309 Documentation Research and Training Centre (DRTC): **Annual Seminar 6.** Theory and practice of abstracting. Developments in classification. Technique of teaching documentation. Vol. 1 Papers, Vol. 2 Proceedings and Index. Bangalore, India: DRTC 1968. 760 p.

28 papers arranged according to the subject of the seminar's title and 4 reports on research completed in 1968 among which one by M. A. Gopinath on classification research. The papers of the area 2: — 310 Neelameghan, A.: Development of a subject and its impact on classification: a case study. — 311 Neelameghan, T., Bhat, S. G.: Choice of a classification model in the design of a scheme for classification: a case study. — 312 Gupta, A. K.: Classification of materials. — 313 Gopinath, M. A.: Grouping of electronic properties: a case study. — 314 Shah, P. R., Krishnaswamy, C.: Man-made fibre production technology: depth version of Colon Classification. — 315 Eswara Reddy, D. B.: Leather technology: depth version of the Colon Classification. — 316 Seetharama, S.: Classification of the organs of human body: a case study. — 317 Sharma, N. K.: Sub-forms of Hindi poetry, drama prose: depth version of Colon Classification. — 318 Roy, P. B.: Economics: case for revision of the existing schedule in Colon Classification. — 319 Neelameghan, A., Bhattacharyya, G.: Extrapolation at the beginning of an array in Colon Classification. — 320 Neelameghan, A.: Use of zero in the notational system of CC. — 321 Ranganathan, S. R.: Classification and Doc-Finder: mutual impact.

322 **Report of the Meeting of the European Branch of the (Classification) Society, (11) December 1968 (University of Leicester).** In: *Classificat. Soc. Bull.* 2 (1969) No. 1, p. 2–21

Report on the discussions by R. Crawshay-Williams and the two papers presented: — 323 Jardine, N.: What is biological homology? — 324 Sneath, P. H. A.: Problems of homology in geology and related fields. — 325 Additional paper: Jardine, N., Jardine, C. J.: Is there a concept of homology common to several sciences?

326 **Report of a Meeting on Classification in Linguistics and Archaeology.** In: *Classificat. Soc. Bull.* 2 (1969) No. 1, p. 22–28

Report on the following two contributions presented at a meeting of the Classification Society on May 10, 1969, Cambridge: "The Classification of Human Language" by Prof. Dell Hymes and "Archaeological Taxonomy" by Dr. D. L. Clarke.

327 Documentation Research and Training Centre (DRTC): **Annual Seminar 7.** Subject analysis for document finding systems. Quantification and librametric studies. Management of translation service. Vol. 1: Papers, Vol. 2: Proceedings and Index. Bangalore, India: DRTC 1969. 834 p.

29 papers arranged according to the subjects of the seminar's title and 3 reports on research completed in 1969 among which one by M. A. Gopinath on classification research. The papers concerning classification: — 328 Devadason, F. J.: Subject specialists' view of the universe of subjects: some examples. — 329 Ahuja, R.: Public health: development and structure. — 330 Sinha, M. P.: Psychology: development and structure. — 331 Revannasiddappa, H. C.: Spiral of scientific method: a case study in its application. — 332 Kapur, V. P.: Resolution and class stability of perpetual classification in adaptive document finding system: a brief review. — 333 Neelameghan, A., Gopinath, M. A.: Subjects presenting relation between two subjects, with particular reference to phase relation: case study. — 334 Neelameghan, A.: Energy isolate and property isolate:

problems in differentiation. — 335 Neelameghan, A., Gopinath, M. A.: A problem in facet sequence in CC. — 336 McIntosh, S. D., Griffel, D. M.: Computers and categorization. — 337 Bhat-tacharyya, G., Neelameghan, A.: Postulate-based subject heading for dictionary catalogue system. — 338 Ranganathan, S. R.: Subject heading and document finding system. — 339 Gopinath, M. A., Jayarajan, P.: Analysis of subjects: a case study. — 340 Seetharama, S.: Expressiveness of subject in titles of articles: a case study. — 341 Gopalakrishnan, N.K.: Reclassification.

342 Proceedings of the International Conference on General Principles of Thesauri Building, Warsaw, 23–27 March 1970. Warsaw: Polish Academy of Sciences. Documentation and Scientific Information Centre 1970. 186+20 p.

Text of 15 papers and minutes of the Conference. Also reprint of "Unesco Guidelines for the Establishment and Development of Monolingual Thesauri" as of March 1970. — 343 Aitchison, T. M.: Answers to questionnaire on thesaurus problems. — 344 Jansen, R.: Some observations on thesaurus problems. — 345 Leska, M.: Remarks on the problem of thesauri and their building. — 346 Leski, K.: Principles of thesauri building. — 347 Molnar, I.: Remarks on the general principles of thesauri building. — 348 Maixner, V.: Some general problems concerning compilation of thesauri — 349 Majžiček, J.: Statistical analysis of documentation files — SADF — 350 Rolling, L.: Compilation of thesauri for use in computer systems. — 351 Schanche, G. A.: Answers to the questionnaire on thesaurus problems. — 352 Spang-Hanssen, H.: Recommendations for the building of thesauri in Scandinavian languages. — 353 Szrejder, J.: Thesauri in informatics and theoretical semantics (in Russ.). — 354 Toman, J.: Problems of thesauri. — 355 Weeks, D. C.: Building of the thesaurus. — 356 Wójcik, T.: Some praxiosemitic problems of scientific information. — 357 Beliart, I., Wojtasiewicz, O.: On a definition of a thesaurus system and thesaurus structures.

358 Report of the Meeting of the European Branch of the (Classification) Society, April 1970 (University of Manchester) on "Taxonomic problems in medicine". In: *Classificat. Soc. Bull.* 2 (1970) No. 2, p. 2–38

Text of the following papers: 359 Robb-Smith, A. H. T.: The International Classification of Diseases. — 360 Wood, P. H. N.: Peculiarities of medical characters for taxonomic purposes. — 361 Spicer, C. C.: The objectives of medical taxonomy. — 362 Hywel Jones, J., Card, W., Chapman, M., Lennard-Jones, J. E., Morson, B. C., Sackin, M. J., Sneath, P. H. A.: Heterogeneity of disease.

363 Abstracts of Papers presented at the First Annual Meeting of North American Branch (of The Classification Society), Columbus, Ohio, April 1970. In: *Classificat. Soc. Bull.* 2 (1970) No. 2, p. 57–63

364 Chernoff, H.: Metric consideration in the k-means method of cluster analysis. — 365 Christal, R. E.: Applications of hierarchical grouping to job analysis and personnel research. — 366 Friedman, H. P., Goldwyn, R. M.: Interactive data analysis: a case study of physiologic classification and interpretation of the critically ill. — 367 Hull, D. L.: What philosophy has not contributed to classification. — 368 Johnson, S. C.: Multidimensional clustering. — 369 Kruskal, J. B.: General introduction to clustering. — 370 Orloci, L.: Information-type measures of divergence and their application in biological classification. — 371 Rimland, B.: Cluster-analytic approach to studying cause and treatment of childhood psychoses. — 372 Rohlf, F. J.: Synergistic value of simultaneous use of cluster, network and multidimensional scaling analysis. — 373 Sonquist, J.: AID in use: hierarchical subdivision is not and end in itself. — 374 Swither, P.: Sampling aspects of clustering procedures. — 375 Deeming, R. J.: Classification of stars and galaxies. — 376 Beschel, R. E., Wong, P. Y.: Classification of epipetric Lichen Communities in Eastern Ontario. — 377 Cales, T. W.: Computer searching the Universal Decimal Classification. — 378 Glove, E. E., Marcus, R. J.: A medical/chemical data base and its uses. — 379 Jackson, D. M.: The stability of classifications of binary

attribute data. — 380 Kernighan, B. W.: An efficient heuristic procedure for partitioning a graph into subsets of a given size. — 381 McCammon, R. B.: The Dendograph: a graphical aid to classification. — 382 McRae, D. J.: K-means clustering using multivariate data. — 383 Krueckeberg, D.: The classification of organizations into several behavior patterns. — (The papers by Jackson and Krueckeberg have also been printed in full in the some issue.)

384 Mølgaard H.R., Westring Nielsen, M. (Eds.): Proceedings of Second Seminar on UDC and Mechanized Information Systems, conducted by R. R. Freeman, Frankfurt, 1–5 June 1970. Copenhagen: Danish Centre for Documentation 1971. 230 p. = FID/CR Report No. 11

20 papers, grouped into 4 sections. Program and list of the 46 participants. — 385 Lloyd, G. A.: Why this seminar? (Keynote address) — 386 Arntz, H.: Chancengleichheit der DK und der Thesauri. — 387 Mølgaard H, R.: The Copenhagen Seminar and its consequences. — 388 Koch, K.-H.: Ein Verfahren zur maschinellen Herstellung von DK-Sachregistern. — 389 Weber, J.: Die Documentatio Geographica — ein Beispiel für die Anwendung der DK in der Geographie. — 390 Koch, K.-H.: Maschinelle Herstellung der Documentatio Geographica, unter besonderer Berücksichtigung der DK. — 391 Schrader, S.: Maschinelle Herstellung der „Bibliographie des Forst- und Holzwirtschaftlichen Schrifttums“ unter Verwendung des Oxford Systems der Dezimalklassifikation. — 392 Scibor, E.: A computer-based method of editing catalogues. — 393 Hindson, R.: The use of the UDC in a computer based information (references and abstracts) handling system including SDI. — 394 Stüdeli, B.: Praktische Erfahrungen bei der Informationsverteilung und -Speicherung unter Verwendung der Internationalen Dezimalklassifikation. — 395 Heaps, D. M., Easton, L. S., MacAllister, E. R., Pallister, L. R.: Automation of a UDC based library for searching purposes. — 396 Brown, J. E.: The CAN/SDI Project. — 397 Popov, I. V.: UDC for mechanized retrieval in VINITI. — 398 Beyssac, R.: Utilisation de la C.D.U. en recherche documentaire à la bibliothèque des Halles. — 399 Corbett, L.: The use of UDC and computer aided literature processing at UKAEA, Aldermaston. — 400 Dreese, M. J.: The integrated library administration and cataloguing system (ILACS) of UNILEVER N. V. — Head Office Rotterdam, Library. — 401 Scibor, E.: Some remarks on the future development of UDC from the viewpoint of mechanized information retrieval. — 402 Rigby, M.: The role of the UDC in automated information and data systems (as of 1985). — 403 Dahlberg, I.: Possibilities for a reorganization of the UDC. — 404 Samuelson, K.: Coordination of diversified data-bases and information networks through multiclassificatory concept notation.

405 Documentation Research and Training Centre (DRTC): Annual Seminar 8. Rendering of names of corporate bodies. Subject analysis, with special reference to social sciences. Documentation systems for industry. Part 1: Papers. Bangalore, India: DRTC 1970, 452 p.

26 papers arranged according to the subjects of the seminar's title and 3 reports on research completed in 1970 among which one by P. Jayarajan on classification research. The papers of the area 2: — 406 Ranganathan, S. R.: Formation of basic subjects and isolates in social sciences. — 407 Neelameghan, A.: Comparison of "subject" with "system". — 408 Neelameghan, A., Gopinath, M. A.: Special component of compound isolate with special reference to social sciences: case study.

409 Abstracts of Papers read at the Second Annual Meeting of the North American Branch (of The Classification Society) (at) The University of Western Ontario, London, Ontario, May 6–7, 1971. In: *Classificat. Soc. Bull.* 2 (1971) No. 3, p. 46–54

410 Ling, R. F.: Probability theory of cluster analysis. — 411 Fisher, L., Van Ness, J. W.: Admissible clustering procedures. — 412 Hartigan, J.: Direct clustering of a data matrix. — 413 Lachenbruch, P. A., Kupper, L. L.: Discriminant analysis with normal mixtures. — 414 Diehr, G., MacQueen, J.: Statistical

evaluation of classification methods and other complex data methods. — 415 Feldman, S., Klein, D. F., Honigfeld, G.: The reliability of a decision tree psychiatric diagnostic technique. — 416 Friedman, H. P., Goldwyn, R. M.: The use and interpretation of multivariate methods in the classification of stages in an infectious disease process in the critically ill. — 417 Sankoff, D., Dobson, A.: Word replacement, borrowing, and the phylogenetics of language families. — 418 Wolfe, J. H.: Patterns of vocational interest. — 419 Diehr, G.: Clustering with finite number of potential centroids. — 420 Bryant, P.: Tests and estimates for the number of components in a mixture. — 421 McDonald, R. P.: A class of queries concerning classification concepts. — 422 Bhalla, P. N., Paul, G. I.: An alternative to Rao's method in forming the best discriminant function. — 423 Rosenberg, S., Jones, R.: Representing an individual's subjective impressions of personality: an analysis of Theodore Dreiser's view of people. — 424 Degerman, R.: Cluster analysis applications in psycholinguistics. — 425 Cuffey, R. J.: History and comparison of conventionally and numerically based classifications of the higher taxa of Bryozoans. — 426 Gower, J. C.: Mathematics, statistics and taxonomy.

427 Wellisch, H., Wilson, T. D. (Eds.): **Subject retrieval in the seventies. New directions.** Proceedings of an international symposium held at the Center of Adult Education, University of Maryland, College Park, Md., May 14 to 15, 1971. Westport, Conn.: Greenwood Publ. and School of Library and Information Services. Univ. of Maryland 1972. 180 p. = Contributions in Librarianship and Information Science, No. 3.

Texts of the nine papers presented together with the discussions and the concluding panel discussion. In the annex a list of participants and survey on classification systems or thesauri used by the participants. Name and subject index. The papers (mostly with abstracts) as follows: 428 Wellisch, H.: Subject retrieval in the seventies — methods, problems, prospects. — 429 Grolier, E. de: Recent research trends in the field of information retrieval languages. — 430 Soergel, D.: A general model for indexing languages: the basis for compatibility and integration. — 431 Wilson, T. D.: The work of the British Classification Research Group. — 432 Aitchison, J.: THESAUROFACET — a new concept in subject retrieval schemes. — 433 Austin, D.: The PRECIS System for computer generated indexes and its use in the British National Bibliography. — 434 Lloyd, G. A.: The Universal Decimal Classification as an international switching language. — 435 Rigby, M.: The UDC in mechanized subject information retrieval. — 436 Angell, R. S.: Library of Congress Subject Headings — review and forecast.

437 **Proceedings of the international symposium: "UDC in relation to other indexing languages"** held in Herceg Novi, Yugoslavia, June 28 — July 1, 1971. Beograd, Yugoslavia: Yugoslav Center for Technical and Scientific Documentation and International Federation for Documentation 1972. 410 p.

Texts of the 19 papers, and introduction and a summary report on a final panel discussion by G. A. Lloyd and lists of the 26 "foreign" and 94 Yugoslav participants of this symposium which was organized under the joint sponsorship of FID/CCC, FID/CR and FID/TM together with the Yugoslav Centre. The papers (alphabetically arranged): 438 Cooke, G. A., Heaps, D. M., Mercier, M.: The study of UDC and other indexing languages through computer manipulation of machine readable data bases. — 439 Cruzeiro, M. M.: Indexing languages on economics. UDC, Unesco and OEDC. — 440 Černý, A. I.: O logičeskich principach postroenija UDK i poickovykh jazykov deskriptornogo tipa. — 441 Dahlberg, I.: The UDC and an ideal indexing language. — 442 Dulović, L., Gavrilov, M.: Problems of indexing and classification in small, developing and multilingual countries. — 443 Hindson, R.: Indexing and retrieval of records of British patent specifications using the Universal Decimal Classification and the BISRA experimental thesaurus. — 444 Kara (Marosi), A.: The relation of the UDC to the Euratom Thesaurus from the point of view of a small information service. — 445 Kofnovec, L.: Si-

mandl, D.: Optimizing the structure of classification and indexing systems. 446 Mole, M.: UDC — instrument for connecting scientific information, education and practice. — 447 Neelameghan, A.: A theoretical foundation for UDC: its need and formulation. — 448 Öhman, E., Olivecrona, C.: Some notational, hierarchic and syntactic problems in connection with concordances between UDC and thesauri. — 449 Perreault, J. M.: The concept "main class" and its implication for structural improvement of UDC. — 450 Rigby, M.: An inverted UDC index as a step toward simplified and effective thesaurus development and maintenance. — 451 Samuelson, K.: Relay switches and retrieval directories for international data-bases and information networks. — 452 Scibor, E.: Some remarks concerning the comparative efficiency of UDC and descriptor languages. — 453 Ungurian, O.: 'Vosmožnost' ispol'sovanija UDK dlja koordinatnogo indeksirovanija. — 454 Wählin, E.: The AR Complex. Adapted systems used together with a common reference system. — 455 Wellisch, H.: A concordance between UDC and Thesaurus of Engineering and Scientific Terms (TEST). Results of a pilot project. — 456 Wijn, J. H. de: The UDC as language of information in itself.

457 **Documentation Research and Training Centre (DRTC): Annual Seminar 9.** Abstracting, indexing, and reviewing periodicals. Pattern of use of documents by specialists. Comparative study of schemes for library classification. Part 1: Papers. Bangalore, India: DRTC 1971. 556 p.

Papers arranged according to the subjects of the seminars title and 3 reports on research completed in 1971 among which one by M. A. Gopinath on classification research. One paper from area 1, the rest from area 3: 458 Ranganathan, S. R., Seetharama, S.: Slimming the abstract of a paper: symbiosis between the subject heading within a main entry and the abstract. — 459 Ranganathan, S. R.: Dominant area for research in classification in the immediate future. — 460 Bhattacharyya, G.: Classifying by UDC and by CC. — 461 Jayarajan, P., Gopinath, M. A.: Classification of complex subjects in CC and UDC. — 462 Neelameghan, A., Gopinath, M. A.: Fused main subjects. — 462 Ranganathan, T., Neelameghan, S.: Compatibility of UDC with a freely faceted version of CC: a case study. — 463 Parameswaran, M.: Geology in CC and UDC schedules. — 464 Seetharama, S., Gopinath, M. A.: Classification of books on disease in medicine: a comparative study of CC and UDC class numbers. — 465 Neelameghan, A.: Trend of research in notational system for library classification, with particular reference to the Colon Classification.

466 **Deutsche Gesellschaft für Dokumentation; Komitee Thesaurusforschung: Zukunftsplanung in der Thesaurus- und Klassifikationsforschung.** Niederschrift eines Arbeitsseminars. 10.—11. Dez. 1971 in Düsseldorf. Frankfurt: Deutsche Gesellschaft für Dokumentation 1972. 46 p. = DGD-Schrift (KTF-1) 1/72

Short papers and discussions around 15 tasks identified as essential topics for future work.

467 **Report of a Meeting of the European Branch of the (Classification) Society, 3 May 1972 on "Identification of clusters within distributions"**. In: *Classification Soc. Bull.* 2 (1972) No. 4, p. 28—33

Papers and discussions on problems of health and disease, particularly blood pressure and migraine.

468 **Abstracts of Papers presented at the Third Annual Meeting of the North American Branch (of the Classification Society), Chicago, April 23—25, 1972.** In: *Classification Soc. Bull.* 2 (1972) No. 4, p. 34—44

469 Harris, B.: Aspects of a problem in clustering. — 470 Zadeh, L. A.: A fuzzy view of pattern classification. — 471 Farris, J. S.: Abstract of compatibility clustering. — 472 Mayer, L. S.: Clustering "Almost One Dimensional" data. — 473 Landwehr, J. M.: Approximate confidence regions from cluster analysis. — 474 Wishart, D.: A general tripartite clustering method and si-

milarity generating function. — 475 Strauss, J. S.: Diagnostic models and the nature of psychiatric disorder. — 476 Bartko, J. J.: Classification in psychiatry: problems, strategies and cluster techniques. — 477 Siegel, J. H., Farrell, E. J., Goldwyn, R.-M., Friedman, H. P.: The surgical implications of physiologic patterns in myocardial infarction shock. — 478 Carroll, J. D.: The relationship between multidimensional scaling and clustering. — 479 Johnson, R. M.: "Cluster" — the need for a definition. — 480 Bhargava, T. N., Doyle, P. H.: A geometric study of diversity. — 481 Jackson, D. M., Wadge, W.: Effect of data errors on generalized distance functions. — 482 Lawson, J. S., Matheson, B., Stroud, T. W. F.: The distribution of WAIS subtest scores as an indication of organic cerebral disease and of other conditions. — 483 Lorr, M., Suziedelis, A.: Influence of ordered and unordered data on typological analysis. — 484 Rohlf, R. J.: Relationship between numerically stratified clustering methods and shortest connection networks. — 485 Woodbury, M. A.: Computer solution of a formal diagnostic problem by statistical and A. I. techniques. — 486 Carmone, F. J., Krevitt, B. I., Griffith, B. C.: The linguistic structure of texts from the physical and behavioral sciences. — 487 Sclove, S. L.: Clustering algorithms derived from a conditional population-mixture model.

488 Aslib Co-ordinate Indexing Group: Informatics 1: structure and meaning. Annual Conference Trevelyan College, Univ. of Durham, 11–13 April 1973. Durham, England: Univ. of Durham; Aslib 1973. 14 p.

Handout with the programme and abstracts of 23 papers: 489 Jones, K. P.: Elements of informatics: classification (including structure) and meaning. — 490 Hope, J.: The semiotic of landscape. — 491 Beale, J.: Intentions in communication. — 492 Marshall, J. C.: The structure of information in relation to the user. — 493 Horsnell, V.: The Intermediate Lexicon for information science. — 494 Masterman, M.: Interlinguas. — 495 Mayne, A. J.: Towards a new scheme for the classification of knowledge. — 496 Jolley, J. L. et: A mathematical basis for a classification of the sciences. — 497 Farradana, J.: Characteristics of language. — 498 Datta, S.: Concept organisation for information retrieval. — 499 Hutchins, J.: Facets, roles and cases. — 500 Harris, B., Hofmann, T. R.: Regularised abstracting: a step toward unity of content description. — 501 McArthur, T.: Possibilities in structural lexicography. — 502 Haines, M.: Guidelines for thesaurus construction. — 503 Keevil, C. C.: A mode of using facets in the development maintenance and use of a thesaurus. — 504 Whitehall, T.: A thesaurus for the user. — 505 Bottle, R. T.: Synonyms, related terms and thesaurus-controlled indexing. — 506 Barton, I. J., Lynch, M. F., Snell, M. J.: Variable-length character string analyses of three data-bases, and their application for file compression. — 507 White, B.: Citation analysis studies in planning. — 508 Scott, B. C. E.: The representation of knowing and doing. — 509 Presanis, A.: Results of an experimental test of SDI services from Compendex. — 510 Knowles, F. E.: On the use of mathematical techniques in certain areas of applied linguistics. — 511 Wilkinson, E. A.: A stochastic model of literature distribution.

06 Periodicals and Serials

512 ASIS Newsletter of the SIG/CR (Special Interest Group on Classification Research, formerly: ADI Classification Research Special Interest Group) Washington, D. C. Vol. 1 (1966)– ; irregular
Contains only news-items.

513 Bliss Classification Bulletin. New York: Wilson 1954–1966, Vol. 1–3. London: Bliss Classification Association 1967. Vol. 4–
Started by H. E. Bliss. Issued usually once a year. Hon. Ed. now Prof. J. Mills, London.

514 Catalogue and Index. Library Association Cataloguing and Indexing Group, Queen's University School of Library Studies, 2 College Gardens, Belfast 9, Northern Ireland 1966– ; 4x/ann. (ann. subscr. £ 1)
Contains articles, news, book reviews.

515 Classification Research Group Bulletin. In: Journal of Documentation. Aslib, London 1958– The first three issues of the CRG-Bulletin were in processed form. From No. 4 on they were published in J. Doc. (No. 4, 14 (1958) p. 136–143; No. 5, 15 (1959) p. 39–57; No. 6, 17 (1961) p. 156–172; No. 7, 18 (1962) p. 65–88; No. 8, 20 (1964) p. 146–169; No. 9, 24 (1968) p. 273–298; No. 10, 29 (1973) p. 51–69)

Reports on the activities of the British Classification Research Group.

516 The Classification Society Bulletin. The Hon. Editor: Dr. P. H. A. Sneath, MRC Microbial Research Unit, University of Leicester. 1965– ; 1x/ann. (for members only)
Four numbers make up one volume; in 1973 volume 3 is started. Contains original articles, reports of meetings, bibliographies, book reviews and membership lists.

517 Decimal Classification Additions, Notes and Decisions. Lake Placid, N. Y. 12948: Forest Press Inc., Lake Placid Club 1959– ; 6x/ann.

Concerning the development of the Dewey Decimal Classification.

518 DK-Mitteilungen. Ausschluß für Klassifikation im Deutschen Normenausschuß (DNA), Burggrafenstr. 4–7, 1 Berlin 30 publ. by Beuth Vertr. GmbH, 1 Berlin 30 1956– ; 6x/ann. (ann. subscr. DM 40,—)

Contains articles, book reviews, supplement sheets to the German full edition of the UDC

519 Dopolnenija i ispravlenija No. ...k Bibliotečno-bibliografičeskoj Klassifikaciji Tablicy dlja Naučnych Bibliotek ... Instruktivno-metodičesnoe Pič'mo No. 1. Moskva: Gosudarstvennaja Ordena Lenina Biblioteka SSSR Imeni V. I. Lenina ... Vsesojuznaja Knižnaja Palata No. 1, 1968–
Extensions and Corrections to the Russian library and bibliographical classification.

520 Extensions and Corrections to the UDC. The Hague: Fédération Internationale de Documentation, 1951– ; semi-annual; (subscr. f 120,—) cumulative in 3-year periods, the final (6th) half yearly issue replacing the five foregoing issues) For special information see FID Publications Catalogue 1973. (free on request; address: 7, Hofweg, The Hague)

Contains the newly accepted UDC numbers with their verbal equivalents in either English, French or German

521 Dopolnenija i ispravlenija k UDK (Extensions and Corrections to the UDC) Moskva: Vsesojusnyj Naučno-issledovatel'skij Institut Techničeskoj Informacii, Klassifikacii i Kodiravanija (VNIKI) 1973.

Contains translations of the following P and PC-Notes: P 71–2, 71–4, 71–13, 71–16/–19, 71–27/–29, 71–32/–34, 72–2, 72–5, 72–7, PC-72–1, PC 72–15, PC 72–20/–21, PC 72–26 (= Ext. & Corr. 248/8:2, Sept. 1972).