Classification and Indexing Research
Current Bibliography of Projects

The notation (right upper corner of each entry) refers to the Classification Literature Classification system as published in ICIB II (Int.Classification and Indexing Bibliography, Vol.2), Frankfurt 1984. p.14–19. Abstracts are abbreviated for reasons of space.

152   CLC311
The relationship between index entries and the structure of texts.
Research workers: Jones,K.P. Address: Aslib Informatics Group, London,GB. Duration 1981-.
Attempts made by the Aslib Informatics Group.and its predecessor, the Coordinate Indexing Group to understand the indexing process. Five short texts from one issue of the New Scientist were indexed in parallel by 16 people. The data obtained have been analysed and published. It is hoped that it will be possible to extend the exploration to larger texts with a greater degree of control of the indexing styles adopted. – Source: Curr. Res.Libr. Inform.Sci. 2(1984)No.4, p.129

153   CL337
Further development of a machine translation system for the PRECIS indexing language.
Research worker: Hancox,P.J. Address: Loughborough University. Dept.of Library and Inform.Studies, Loughborough, GB. Duration 1982–1984.
The system used for the research analyses the source language with an immediate constituent grammar, and (when needed) with a case grammar (both implemented with a recursive transition network control structure). The first stage is implemented as a transfer system. The second stage will change this into an interlingual system. – Source: Curr.Res. Libr.Inform.Sci. 2 (1984) No.4, p.133

154   CL343
Pilotanwendung von automatischen Indexing- und verbesserten Retrievalverfahren mit der Datenbank PHYS (AIR/ PHYS).
(Pilot application of automatic indexing and improved retrieval procedures with the databank PHYS (AIR/PHYS)).
Research workers: Bürk,K. Lustig,G. Address: TH Darmstadt, FB Informatik. Inst.f.Inform.verwaltung u.interaktive Systeme, FG Datenverwaltungssyst.II.
Duration: 03.84-09.86.
This Pilot application with the database PHYS of the Information Centre for Energy, Physics and Mathematics is meant to procure for the potential appliers the necessary decision basis for implementation in routine input production. Questions of a technically-organisational nature and productivity need also clarification, next to an improvement of the retrieval results. – Source: Nachr.Dok. 36(1985)No.1

155   CL383
SBSMARC.
Research workers: Tveter,A., Holmboe,C.-A. Address: Statens Bibliotekshogskole, Daelenenggt 26, N-Oslo 5. Duration: 1980-.
It is aimed at developing an online catalogue system which also produces chain and PRECIS indexes. The system is being developed by several students at the Norwegian School of Library and Information Science. It is coded in PASCAL and developed on the microcomputer MYCRON 2000. – Source: R & D Projects 14(1984)No.6, p.4

156   CL349
KWOC Indexing in Secondary School Libraries: An Evaluation.
Research workers: Jennings,L., Schmidmaier,D. Address: Centre for Library Systems, Kuring-gai College of Advanced Educ. P.O.Box 222, Lindfield, New South Wales 2070, Australia, Duration: 1983-.
Objectives of the study were: 1) to collect information about KWOC indexes used in the secondary school libraries, 2) to document the experiences of the secondary school librarians and their evaluation of KWOC, 3) to utilize the information from the evaluation for planning additional research into KWOC indexing as a model for automated information retrieval in school libraries. – Source: R & D Projects 14(1984)No.5, p.2

157   CI43.218
A modified Dewey Decimal Classification for use in inmate libraries in Alberta.
Research worker: Merkley, W.L. Address: University of Alberta. Faculty of Library Science, Edmonton, Alberta T6G 2J4, Canada. Duration: 1982-.
The DDC version used at present in Alberta inmate libraries is no longer adequate, due to its extreme brevity. The objective of the study was to devise an abridged version of the 19th DDC involving also a modification of its language which could be used and understood by prison inmates. – Source: R & D Projects 14 (1984)No.4, p.1

158   CI43.75
Dewey Decimal Classification Online Project.
Research workers: Markey,K. Address: OCLC – Online Computer Library Center. Office of Research, 6565 Frantz Road, Dublin OH 43017, USA.
Duration: 1983–1985.
The object of the study is to implement and test the DDC as an online searcher tool for subject access, browsing, and display in an online catalogue. The machine readable DDC used in this study originally served to produce the 19th ed of the printed DDC using computerized photocomposition. Through the subject terminology and the hierarchical arrays of related terminology in the DDC schedules the online catalogue users will have much more subject information than is presently available in online catalogues. In this project these two will be incorporated into an online catalogue as a searcher tool for subject access, browsing, and display and its effectiveness will be tested. – Source: R & D Projects 14(1984)No.5, p.8

159   CI43.98
Survey of Users of the Dewey Decimal Classification.
Address: c/o National Library of Canada, 395 Wellington Street, Ottawa, Ont. KIA 0N4 Canada. Duration: 1984–1985.
A sample of 1500 Canadian libraries will be surveyed using a mail questionnaire with telephone follow-up in order to determine the primary and secondary uses of the DDC among Canadian libraries, that is, which are using it, to what degree of fullness, for what purposes and for what types of materials. The study is meant to improve the cataloguing practices for a better response to user needs. – Source: R & D Projects 14 (1984)No.6, p.2

160   CI44.6–927
The Expansion of Persian Language and Literature Based on the Library of Congress Classification.
Research workers: Valavi,Z.Sh., Khorroamshahi,B. Address: National Library of Iran, Si-Ye Tir Street, Tehran 11, Iran. Duration: 1983-1986
Study in order to enable the National Library of Iran and other Iranian libraries to classify their books, pamphlets etc. on Persian languages and literature accurately. So far, the Iranian history and Islam have been completed and published by TEBROC, now almagamated into the National Library of Iran. Islamic philosophy and Persian language and literature are now under consideration. – Source: R & D Projects 14(1984)No.5

161   CI485
AKD-Thesaurus-Ersterstellung auf der Grundlage von BASIS-E und Indexierungsrichtlinien. (First establishment of the AKD-Thesaurus based on BASIS-E and indexing guidelines).
Research workers: Nowak,C.-G., Erpf,Ch., Hoff,H., Hullermann, H., Viefhaus,G. Address: Arbeitsgemeinschaft Kommunale Datenverarbeitung (AKD), Projektgruppe Bibliotheken, Bochum. Duration: ongoing.
A universal thesaurus is aimed at for computerized subject analysis by offline catalogues and online retrieval in public libraries. So far some 40 000 descriptors with indicators for kinds of descriptors have been collected in the form of an alphabetical main part and a systematic part. Application is planned in libraries of the AKD. A thesaurus of personal names was already established in 1982, a thesaurus of country- and place names was implemented in 1984. – Source: Nachr.Dok. 35(1984)No.6

162 CI489
Aids for Access to Holdings for Young Library Users.
Research workers: Betten,L., Jachtmann,B., Kirchner,U., Klebor, K., Niederlag,K., Rieke,G. Address: Deutsches Bibliotheksinstitut, Bundesallee 184)185, D-1000 Berlin 31. Duration: 1984-.
Revision and extension of the "Systematik für Kinder- und Jugendbüchereien (SJK) (Classification for children s and joung people's libraries), and preparation of a subject authority file for non-fiction literature and a selection catalogue for fiction. — Source: R & D Projects 14(1984)No.5, p.6

163 CI64
Preston Polytechnic Life Sciences Classification Project.
Research workers: Edgar,J.R., Jelinek,M. Address: Preston Polytechnic. Library and Learning Resources Service and School of Biology.
Duration: 11.1983—07.1984.
Source: Curr.Res.Libr.Inform.Sci. 2(1984)No.4, p.131

164 CL646
Commonwealth Agricultural Bureaux CAB-Thesaurus.
Research workers: Tidbury,G.E., Wightman,P. Address: Commonwealth Agricultural Bureaux, Farnham House, Farnham Royal, Slough SL2 3BN, UK. Duration: 1984 -1985.
Updating and revision of this monolingual thesaurus covering agriculture and related sciences which was compiled from 1979—1983. It contains over 48 000 terms and is available in two volumes, on magnetic tape and on microfiche. It is compatible with the FAO Agrovoc Thesaurus and the CEC Veterinary and Agricultural Economics Thesaurus. — Source: R & D Projects 14(1984)No.5, p.7

165 CL653
Selection Languages of the International System of Medical Information (MOSVTI Medinform) in Relation to the CSSR.
Research workers: Schwartz,M., Jirakova,I., Vrablicova,D. Address: Ustav Vedeckych Zdravotnickych Informacii, ul. Ceskoslovenskej armady 24, 814 42 Bratislava, CSSR. Duration: 1981 -1984.
The aim of the project is to create and continuously maintain basic indexing means (rubricator and thesaurus) for bibliographic machine outputs of health centres (Index Medico-Iuridicus and Automatizovany system zdravotnicko-pravnych informacii). — Source R & D Projects 14(1984)No.4, p.4

166 CL6542
Thesaurus Krankenhauswesen. (Thesaurus for hospital matters).
Research workers: Schneemann,R., Hübner,H., Kochendörffer, K., May,A., Pirron,M,, Seelos,H.-J., Steudtner,G.
Address: TU Berlin, FB 21 Umwelttechnik. Inst.f.Krankenhausbau, Str.d.17.Juni 135, D-1000 Berlin 12; Dt.Krankenhausinstitut e.V., Tersteegenstr. 9, D-4000 Düsseldorf 30. Duration: current.
Program package for the computerized thesaurus establishment with all sorts of control and computerized typesetting. Computerized translation of descriptors from one language into the other as well as computerized updating are foreseen as well. — Source: Nachr.Dok. 35(1984)No.6

167 CI657
Development of an Information Language for the Specialty "Labour Market and Profession", as Part of an Integrated Database "Social Sciences and Labour". Research workers: Peters,G., Cyprian,R. Address: Institut für Arbeitsmarkt u.Berufsforschung (IAB), Regensburgerstr. 104, D-8500 Nürnberg. Duration: 1982-.
Since 1980 the IAB is working on retrieving the stored information using also the dialogue system GOLEM. Problems with the information language have arisen. The IAB descriptors list was revised. The need for an extensive automated thesaurus control became obvious. - Source: R & D Projects 14(1984)No.3

168 CL658
Erstellung eines multilingualen Sportthesaurus für ein internationales Sportinformationssystem. (Establishment of a multilingual sport thesaurus for an international sport information system).

Research workers: Kneyer,W., Huber,M., Kloock,W., Peper,D., Saladin,W. Address: Universität Kiel, Inst.f.Sport u.Sportwissenschaften, Abt. Sportpädagogik, Olshausenstr. 40—60, D-2300 Kiel. Duration: 05.74—12.84.
Using already established partial thesauri a comprehensive thesaurus for the area of sports is to be established (computer generated) and to be tested. — Source: Nachr.Dok. 35(1984) No.6

169 CL66
Entwicklung einer mehrsprachigen Dokumentationssprache (Deutsch)Englisch) für die Sozialwissenschaften. (Development of a multilingual documentation language (German-English) in the field of the social sciences).
Research workers: Herfurth,M., Lohmeyer,D., Schott,H. Address: Informationszentrum Sozialwissenschaften, Lennéstr. 30, D-5300 Bonn. Duration: 03.82-12.85.
The goal of the project until the end of 1985 is to develop a systematic controlled subject list for the online data bank in the social sciences. The long-range goal is the development of a thesaurus. — Source: Nachr.Dok. 35(1984)No.6

170 CL6676
Construction and maintenance of a classification and thesaurus for community information.
Research workers: Bonner,R., Zinovieff,J. Address: NACAB (National Assoc.of Citizens Advice Bureaux) London, GB. Duration: 1981-.
The scheme is intended for information and document storage and retrieval manual and computerised, as well as for the arrangement of entries in directories and the categorization of statistics. A master scheme is being compiled from which special versions will be extracted for specific uses in specific types of agencies. To do this, C-Ianguage programs are being developed in collaboration with the Bliss Classification Association and FID/BSO to produce schedules, an alphabetic index, and a thesaurus. — Source: Curr.Res.Libr.Inform.Sci. 2(1984)No.4, p.133

171 CL6676
Communal information system (COMIS).
Research workers: Neuheuser,H.P., Goedicke,D., Günther,M., Neugebauer,A., Stusche,F. Address: Archivberatungsstelle Rheinland, Abtei Braunweiler, D-5024 Pulheim 2. Duration: current.
Computer-assisted system for description of documents in communal administrations and communal archives: information system, information retrieval, thesaurus COMTHES, classification system COMPLAN. — Source: Nachr.Dok. 35(1984)No.6

172 CL673
Norwegian Technical Thesaurus.
Research worker: Henriksen,T. Address: Statens Bibliotekhogskole, Daelenenggt. 26, N-Oslo 5. Duration: 1975-1983, Subproject 1983-.
The aim is to develop a thesaurus for Norwegian technical terminology. The subproject aims at exploring the possibility to develop simultaneously a thesaurus and an IR-system. — Source: R & D Projects 14(1984)No.6, p.4

173 CL751
Analyse der Materialien des "Advanced Language Project". (Analysis of the materials from the Advanced Language Project).
Research workers: Krause, J., Jarke, M., Mittermaier,E. Address: Universität Regensburg. Philosophische Fakultät IV. Sprach- und Literaturwissenschaften. FG Linguist.Informationswissenschaft, Universitätsstr. 31, PF 397, D-8400 Regensburg. Duration: 10.83—12.85.
In the last three years a study group at the New York University had evaluated a natural-language question-answering system (USL) to be compared to a formal-language retrieval possibility (SQL). The material was treated so far only quantitatively. In this project, in cooperation with the New York University, a qualitative interpretation of the ALP-materials is aimed at. Interesting results from empirically based statements on the kind and extension of subsets of natural language for retrieval as well as other insights are expected. — Source: Nachr.Dok. 36(1985) No.1

174   **CL757**

Natürlichsprachliche Anfrageschnittstelle für verteile Datenbanksysteme **(KIT-NATAN)**. (Natural language interface for distributed databank systems).
Research workers: Schneider,H.-J., Eimermacher,M., König,M. Address: TU Berlin, FB Informatik, Inst.f.Angew.Informatik, FR 5-8, Franklinstr. 28)29, D-1000 Berlin 10. Duration: 01.84—12.84.
A general interface system is aimed it, the knowledge basis of which can be filled with specific subject knowledge for different applications. The system is based on 1) the semantic representation language SRL, b) a parser conception, c) a discourse model for the dissolution of references and ellipses, d) an inferential component for the transformation of the natural language oriented representations into the database -oriented one, e) a lexicon-conception for the coordination of the different knowledge sources. – Source. Nachr.Dok. 36(1984)No.1

175   **CL757**

Bedeutungskonstitution durch unscharfe Modellbildung. Ein Verstehenssystem zum Aufbau assoziativer Wissensstrukturen aus Texten und deren Nutzung zu inhaltsgesteuerten Schluß- und Folgerungsprozessen (BUM). (Meaning constitution by fuzzy model formation).
Research worker: Rieger,B. Address. Rheinisch-Westfälische TH Aachen. Germanistisches Inst. AG f.math.-empirische Systemforschung (MESY). Duration: 1985--1987.
A fuzzy word meaning analysis and representation system for machine comprehension of natural language. – Source: Nachr. Dok. 36(1985)No.1

176   **CL758–53**

Intelligent databases and diagnostic systems.
Research workers: Chandrasekaran,B., Smith,J., Josephson,J., Sticklen,J., Bylander,T., Tanner,M., Mahalingam,S. Address. Ohio State University, Department of Computer and Inform. Sci., Artificial Intelligence Group. Duration: 1979-.
The foundations of knowledge-based reasoning in a number of tasks are investigated including data retrieval and diagnosis. It uses and extends ideas in the fields of expert systems and artificial intelligence. A prototype medical diagnosis system called MDX and a prototype medical database called PATREC have been built. – Source: Curr.Research in Libr.& Inform.Sci. 2 (1984)No.2, p.33.

177   **CL758–66**

Linguistik- und logik-basiertes juristisches Expertensystem. (Linguistic- and logic-based legal expert system).
Research workers: Guenthner,F., Lehmann,Hein, Alschwee,B., Drubik,H.-B., Haft,F., Lehmann,Hubert, Mönnich,U., Schirmer, B., Schönfeld,W., Volger,H.
Address: IBM Deutschland GmbH, Wiss.Zentrum Heidelberg, Tiergartenstr.15, D-6900 Heidelberg; Universität Tübingen, Forsch.stelle f.Natürlichsprachl. Systeme, Wilhelmstr.50, D-7400 Tübingen. Duration: 01.83–12.87.
The objectives are to design a natural-language based knowledge acquisition and query system and to implement a prototype to be tested in connection with a legal application. Research will concentrate on knowledge acquisition from texts by natural language processing techniques. The prototype will first be used in the domain of German traffic law as a consultation system for lawyers and a tutor for law students. – Source: Nachr.Dok. 36(1985)No.1

178   **CL758–72**

Einsatz von künstlicher Intelligenz in der Betriebswirtschaft. (Application of Artificial Intelligence in Business Management). Research workers: Allgeyer,K., Mertens,P.
Address: Universität Erlangen-Nürnberg. Wirtschafts- und Sozialwissenschaftliche Fakultät. Betriebswirtsch.Institut, Lange Gasse 20, D-8500 Nürnberg. Duration: 09.82–09.85.
The project aims at investigating possibilities for use of expert systems in the area of management, especially in production. – Source Nachr.Dok. 36(1985)No.1

179   **CL776**

Terminology Service for Translators.
Research worker: Santoft,A. Address: TNC - Tekniska Nomenklaturcentralen, Box 2303, S-103 17 Stockholm. Duration: 1983–1984.
The project covers a first, build-up phase for providing technical translators access to 1) library and archives of the TNC, 2) private libraries and archives, 3) national and international term banks. The TNC wants to support contacts and information exchange among translators, buyers of translations, terminology centers and other language centers. – Source: R & D Projects 14(1984)No.6, p.6

180   **CL795**

Development of a **Multilingual Thesaurus in Library** and Information **Science**. Research workers: Hosono,K., Takayanagi,T., Tamura,Sh., Tsuda,Y. Address: Keio University, Minatoku 2-15-45, Tokyo 108, Japan. Duration: 1981–1984.
The object is to compile a multilingual thesaurus, including English and Japanese, in library and information science, and to indicate possibly arising problems. – Source: R & D Projects 14(1984)No.4, p.5

181   **CLC814**

Regeln für den Schlagwortkatalog. (Rules for the subject heading catalogue).
Research worker: Junginger,F. – Address: Bayerische Staatsbibliothek, Ludwigstr.16, 8000 München 34. – Duration: 1983-.
In April 1983 the Working Group of the DBI (Deutsches Bibliotheksinstitut) for Subject Analysis presented to the library scene the 3rd Draft of Rules for the Subject Catalogue (RSWK). This version needed still some editorial work and will presumably be published by the end of 1984. – Source: Dt.Bibl.Inst., Arbeitsbericht 1982–1983, p.93.

182   **CL820**

Faktenretrievalsysteme. (Data retrieval systems).
Research worker: Staud,J.L. Address: Universität Konstanz. Sozialwiss. Fakultät, FG Politik/Verwaltungswiss., Informationswiss., Postfach 5560, D-8750 Konstanz 1. Duration: 10.82–12.84.
It is aimed at 1) a register of the present processing of numerical data, (computerprograms for the storage, retrieval and processing of numerical data), 2) the indication of weeknesses of existing systems and 3) the realization of at least part of an alternative model. – Source: Nachr.Dok. 36(1985) No.1

183   **CL844**

Survey of indexes of Canadian newspapers.
Research workers: Burrows,S., Gaudet,F.
Address: Newspaper Div., National Library of Canada, 395 Wellington Street, Ottawa K1A ON4, Canada. Duration: 1984-.
The project aims at producing a list of indexes of Canadian newspapers, titles indexed, and the indexes available to the public either published or for consultation or accessible through the reference librarian. Apart from the three major indexing services (Micromedia, Marpep Publ.Ltd. and Microfor) the indexing appears to be of scattered titles only. – Source: R & D Projects 14(1984)No.5, p.5

184   **CL88–53**

Automatische Indexierung. (Automatic indexing.)
Research workers: Wingert,F., Osada,N. Address: Universität Münster. Inst.f. Medizinische Informatik u.Biomathematik, Hüfferstr. 75, D-4400 Münster. Duration: current.
Algorithms are to be developed on the basis of SNOMED for the automatic indexing of medical statements (diagnoses, therapies) and implemented in documentation. These algorithms are of significance a.o. for a) medical documentation, b) medical information systems, c) medical data banks, d) literature services, e) input and evaluation of side effects of medicine. – Source: Nachr.Dok. 36(1985)No.1