

Appendix B

Request Texts

The text of each request constituting the set of 35 used in the texts on the ADI documentation collection is here given. Nearly all tests use the requests exactly as stated, and the hand modifications indicated (mainly weight increases on important request words) are used only in tests reported in section X.

Original Query	Modified Query
QA1 What problems and concerns are there in making up descriptive titles. What difficulties are involved in automatically retrieving articles from approximate titles. What is the usual relevance of the content of articles to their titles.	QA1 What problems and concerns are there in making up descriptive titles, that is, in devising names and abbreviations for journals and organizations. What is the usual relevance of the content of articles to their titles.
QA2 How can actually pertinent data, as opposed to references or entire articles themselves, be retrieved automatically in response to information requests.	QA2 How can actually pertinent data be retrieved automatically in response to information requests.
QA3 What is information science. Give definitions where possible.	
QA4 Image recognition and any other methods of automatically transforming printed text into computer-ready form.	QA4 Image recognition and any other methods of automatically transforming printed text into computer ready form.

Original Query	Modified Query
<p>QA5 What special training will ordinary researchers and businessmen need for proper information management and unobstructed use of information retrieval systems. What problems are they likely to encounter.</p>	<p>QA5 What special training will ordinary researchers and businessmen need for proper information management and unobstructed use of information retrieval systems. What problems are they likely to encounter. Researchers, researchers, businessmen, businessmen</p>
<p>QA6 What possibilities are there for verbal communication between computers and humans, that is, communication via the spoken word.</p>	
<p>QA7 Describe presently working and planned systems for publishing and printing original papers by computer, and then saving the byproduct. Articles coded in data-processing form, for further use in retrieval.</p>	<p>QA7 Describe presently working and planned systems for publishing and printing original papers by computer, and then saving the byproduct. Articles coded in data processing form, for further use in retrieval.</p>
<p>QA8 Describe information retrieval and indexing in other languages. What bearing does it have on the science in general.</p>	<p>QA8 Describe information retrieval and indexing in foreign languages. What bearing does it have on the science in general.</p>
<p>QA9 What possibilities are there for automatic grammatical and contextual analysis of articles for inclusion in an informatic retrieval system.</p>	<p>QA9 What possibilities are there for automatic grammatical and contextual analysis of articles for inclusion in an information retrieval system. Grammatical, grammatical, contextual, contextual.</p>
<p>QA10 The use of abstract mathematics in information retrieval, e.g. group theory.</p>	
<p>QA11 What is the need for information consolidation, evaluation, and retrieval in scientific research.</p>	

Original Query	Modified Query
QA12 Give methods for high speed publication, printing, and distribution of scientific journals.	
QA13 What criteria have been developed for the objective evaluation of information retrieval and dissemination systems.	QA13 What criteria have been developed for the objective evaluation of information retrieval and dissemination systems.
QA14 What future is there for automatic medical diagnosis.	QA14 What future is there for automatic medical diagnosis. Medical, medical, diagnosis, diagnosis.
QA15 How much do information retrieval and dissemination systems, as well as automated libraries, cost. Are they worth it to the researcher and to industry.	QA15 How much do information retrieval and dissemination systems, as well as automated libraries, cost. Are they worth it to the researcher and to industry. Cost, cost.
QA16 What systems incorporate multiprogramming or remote stations in information retrieval. What will be the extent of their use in the future.	
QA17 Means of obtaining large volume, high speed, customer usable information retrieval output.	QA17 Means of obtaining large volume, high speed, customer usable information retrieval output. Output, output.
QA18 What methods are there for encoding, automatically matching, and automatically drawing structures extended in two dimensions, like the structural formulas for chemical compounds.	

Original Query	Modified Query
QB1 Techniques of machine matching and machine searching systems. Coding and matching methods.	QB1 Techniques of machine matching and machine searching systems. Coding and matching methods. Coding, coding, matching, matching.
QB2 Testing automated information systems.	QB2 Testing automated information systems. Testing, testing.
QB3 The need to provide personnel for the information field.	QB3 The need to provide personnel for the information field. Personnel, personnel.
QB4 Automated information in the medical field.	QB4 Automated information in the medical field. Medical, medical.
QB5 Amount of use of books in libraries. Relation to need for automated information systems.	QB5 Amount of use of books in libraries. Relation to need for automated information systems. Book, book, use, use.
QB6 Educational and training requirements for personnel in the information field. Possibilities for this training. Needs for programs providing this training.	
QB7 International systems for exchange and dissemination of information.	QB7 International systems for exchange and dissemination of information. International, international.
QB8 Cost and determination of cost associated with systems of automated information.	QB8 Cost and determination of cost associated with systems of automated information. Cost, cost.
QB9 Computerized information retrieval systems. Computerized indexing systems.	

Original Query	Modified Query
QB10 Computerized information systems in fields related to chemistry.	QB10 Computerized information systems in fields related to chemistry. Chemistry, chemistry
QB11 Specific advantages of computerized index systems.	QB11 Specific advantages of computerized index systems for book indexing and book catalogs.
QB12 Information dissemination by journals and periodicals.	
QB13 Information systems in the physical sciences.	QB13 Information systems in the physical sciences. Physical, physical, sciences, sciences.
QB14 Attempts at computerized and mechanized systems for general libraries. Problems and methods of automated general author and title indexing systems.	QB14 Attempts at computerized and mechanized systems for general libraries. Problems and methods of automated general author and title indexing systems. General, general, libraries, libraries.
QB15 Retrieval systems which provide for the automated transmission of information to the user from a distance.	
QB16 Methods of coding used in computerized index systems.	QB16 Methods of coding used in computerized index systems. Coding, coding.
QB17 Government agencies and projects dealing with information dissemination.	QB17 Government agencies and projects dealing with information dissemination. Government, government.