

Current Comments®

Introducing *Science Citation Index, Abridged Edition: A Professional Quality Search Tool for Science Students*

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More than 20 years ago, ISI® introduced *Science Citation Index*® (*SCI*®). Then, as now, *SCI* employed citation indexing¹ to help searchers retrieve information. When the concept of citation indexing was first proposed,² many people were skeptical of its usefulness. But *SCI* has gradually achieved worldwide acceptance during the past two decades. This acceptance grew as we applied citation indexing to virtually every field of scholarship. In 1973, we introduced *Social Sciences Citation Index*® (*SSCI*®). In 1978, *Arts & Humanities Citation Index*™ (*A&HCI*™) appeared.

ISI's citation indexes use the cited references in published articles as "subject" indexing terms. Current papers are uniquely linked to their predecessors. By avoiding reliance on arbitrary subject headings, citation indexing simplifies multidisciplinary searching. *SCI* now covers more than 3,000 source journals and over 200 monographic serials annually. Since I recently reviewed the how and why of using *SCI*,³ it is not necessary to repeat all that here.

Although *SCI* is designed for the working scientist, students who major in science can certainly make good use of it as well. However, *SCI*'s journal coverage is far more exhaustive than most undergraduate students require. Thus, libraries at junior and four-year undergraduate colleges, as well as two-year technical schools and most public libraries, often cannot justify purchasing *SCI*. Thus, students and patrons at these

institutions have been deprived of the searching power citation indexes offer.

To date, undergraduate students of science have had little in the way of information retrieval tools to help guide and focus their research. They are often forced to rely on a very limited range of readily available popular sources, such as encyclopedias, magazines, and newspapers. So we developed a retrieval tool especially suited to the needs of the undergraduate student. *Science Citation Index, Abridged Edition* is that tool. It provides students, faculty, and librarians with the search capabilities enjoyed by working scientists.

Like *SCI*, the *Abridged Edition* has a *Citation Index* and an *Author Index*. It also has a specially prepared *Subject Index*. It offers precise access to a multidisciplinary selection of popular periodicals, trade journals, and key journals from the primary literature of science. *SCI, Abridged Edition* employs the same indexing methods used in *SCI*. But the *Abridged Edition*'s coverage has been carefully tailored to fill the needs of students and the faculty that serves them. It comprehensively indexes more than 500 general and popular science periodicals. These cover such fields as engineering, life sciences, technology and applied sciences, earth sciences, physics, mathematics and computer sciences, clinical medicine, chemistry, agriculture, environmental sciences, and social and behavioral sciences, including psychology. Numerous trade and vocational journals

are also covered. A categorized list is presented in Table 1. Table 2 shows some high-impact journals indexed by *SCI, Abridged Edition*, arranged by subject.

Table 1: List of trade and vocational journals covered by *SCI[®], Abridged Edition*, categorized by subject.

AERONAUTICS & ASTRONAUTICS
Aviation Week & Space Technology
Business & Commercial Aviation
CHEMISTRY
Cosmetics & Toiletries
CIVIL & ENVIRONMENTAL ENGINEERING
Design News
Public Roads
Public Works
Specifying Engineer
COMPUTER SCIENCES
Computers in Industry
EDP Analyzer
CONSTRUCTION & BUILDING TECHNOLOGY
Concrete Construction
Construction Contracting
EC&M—Electrical Construction & Maintenance
Heating—Piping—Air Conditioning
Highway & Heavy Construction
ELECTRICAL & ELECTRONIC ENGINEERING
EDN Magazine—Electrical Design News
Electrical World
EPRI Journal
ENERGY & FUELS
Offshore
Pipeline & Gas Journal
Pipe Line Industry
Power
Solar Age
INDUSTRIAL ENGINEERING & MANUFACTURING
Industrial Design Magazine
Industrial Finishing
Industrial Wastes
Material Handling Engineering
Modern Machine Shop
Modern Materials Handling
Package Engineering
Plant Engineering
Process Engineering
Robotics Age
Tooling & Production
Turbomachinery International
MATERIALS SCIENCE
Ceramic Industry
Modern Paint & Coatings
PIMA Magazine—Paper Industry Management Association
Plastics Design & Engineering
Plastics World
Textile World
Wood & Wood Products
MECHANICAL ENGINEERING
Hydraulics & Pneumatics
Machine Design
METALLURGY & MINING
American Machinist
Iron Age
Light Metal Age
Metal Finishing
Modern Casting

Rock Products
Welding Design & Fabrication
Wire Journal International

Table 2: Some high-impact journals covered by *SCI[®], Abridged Edition*, arranged according to subject.

AERONAUTICS & ASTRONAUTICS
AIAA Journal
Astronautics & Aeronautics
AGRICULTURE/HORTICULTURE/FORESTRY
Crop Research
Journal of Forestry
Journal of Soil Science
ASTRONOMY & ASTROPHYSICS
Astronomy
Astrophysical Journal
BIOCHEMISTRY & BIOPHYSICS
Biochemistry
Biophysical Journal
Journal of Biological Chemistry
BIOLOGICAL SCIENCES
Anatomical Record
Cell
Evolution
Genetics
Physiological Reviews
BOTANY
Phytopathology
Plant Physiology
CHEMICAL ENGINEERING
AIChE Journal—American Institute of Chemical Engineers
Chemical & Engineering News
CHEMISTRY
Angewandte Chemie—International Edition in English
Journal of the American Chemical Society
CIVIL & ENVIRONMENTAL ENGINEERING
Civil Engineering
IEEE Journal of Oceanic Engineering
Journal of Water Resources Planning and Management
Transportation
COMPUTER SCIENCES
ACM Transactions on Database Systems
IEEE Transactions on Computers
CONSTRUCTION & BUILDING TECHNOLOGY
ASHRAE Journal—American Society of Heating, Refrigerating and Air-Conditioning Engineers
Journal of Construction Engineering and Management—ASCE
ELECTRICAL & ELECTRONIC ENGINEERING
Bell Laboratories Record
IBM Journal of Research and Development
IEEE Journal of Solid-State Circuits
ENERGY & FUELS
Journal of Petroleum Technology
Journal of Solar Energy Engineering—Transactions of the ASME
ENVIRONMENTAL SCIENCES
Environmental Research
Journal of Ecology
FIRE SCIENCE
Combustion Science and Technology
Fire Engineering
FOOD SCIENCE & TECHNOLOGY
CRC Critical Reviews in Food Science and Nutrition
Journal of Food Science

GEOGRAPHY
 Geographical Review
 Journal of Geography

GEOSCIENCES
 AAPG Bulletin—American Association of Petroleum Geologists
 Journal of Geophysical Research

INDUSTRIAL ENGINEERING & MANUFACTURING
 IEEE Transactions on Industry Applications
 Industrial Engineering

INSTRUMENTS & INSTRUMENTATION
 Instrumentation Technology
 Review of Scientific Instruments

MATERIALS SCIENCE
 Journal of the American Ceramic Society
 TAPPI Journal

MATHEMATICS & STATISTICS
 American Journal of Mathematics
 Journal of the American Statistical Association
 SIAM Review

MECHANICAL ENGINEERING
 Journal of Applied Mechanics—Transactions of the ASME
 Proceedings of the Institution of Mechanical Engineers Part A—Power and Process Engineering

MEDICAL & HEALTH SCIENCES
 JAMA—Journal of the American Medical Association
 Lancet
 New England Journal of Medicine
 Nursing Research

METALLURGY & MINING
 CIM Bulletin
 International Journal of Powder Metallurgy & Powder Technology

METEOROLOGY & ATMOSPHERIC SCIENCES
 Bulletin of the American Meteorological Society
 Journal of the Atmospheric Sciences

MICROBIOLOGY
 Microbiological Reviews
 Virology

MULTIDISCIPLINARY SCIENCES
 Nature
 Proceedings of the National Academy of Sciences of the United States of America—Biological Sciences
 Proceedings of the National Academy of Sciences of the United States of America—Physical Sciences
 Science

NUCLEAR SCIENCE & TECHNOLOGY
 Nuclear Engineering International
 Nuclear Technology

OCEANOGRAPHY & MARINE BIOLOGY
 Journal of Experimental Marine Biology and Ecology
 Journal of Marine Research

PHYSICS
 Journal of Applied Physics
 Physical Review A—General Physics

PSYCHOLOGY
 American Psychologist
 Journal of General Psychology

TELECOMMUNICATIONS
 Bell System Technical Journal
 IEEE Transactions on Communications

TESTING & QUALITY CONTROL
 Journal of Research of the National Bureau of Standards
 Journal of Testing and Evaluation

VETERINARY SCIENCES
 Animal Production
 Journal of the American Veterinary Medical Association

ZOOLOGY
 Animal Behaviour
 Annals of the Entomological Society of America

SCI, Abridged Edition's initial coverage was based primarily on the needs of American institutions. Our experience with it will determine whether we can consider supplements or other editions for other countries. Coverage of medicine, for example, is highly selective and includes such journals as the *New England Journal of Medicine* and *Lancet*. These journals are often featured prominently in the worldwide media. It is therefore not uncommon for public libraries to need access to medical articles quoted in the press. The same is true of *Science* and *Nature*, as well as *Scientific American*, *Science News*, *Discover*, and many other popular journals I have discussed in *Current Contents® (CC®)* on numerous occasions.

Most of these journals are covered in *SCI*, *SSCI*, or *A&HCI*. Although a main university library can make good use of *SCI, Abridged Edition*, it may prefer to consider its use at satellite or department libraries, where an additional subscription to *SCI* cannot presently be justified. As a matter of fact, in the near future, we are considering the inclusion of cross-reference information that will tell the user that additional references may be found by searching *SCI* in print, or *SCISEARCH®* online. This feature is already provided in *SSCI* and *SCI*.

SCI, Abridged Edition indexes all the material contained in every periodical issue covered, from general articles, book reviews, editorials, letters, meetings, notes, and reviews to chronologies, corrections, discussions, and biographical items. Each monthly issue will cover more than 8,000 articles. Each semiannual cumulation will index more than 50,000 items. Annual coverage therefore exceeds 100,000—less than 20 percent of *SCI* itself.

Like *SCI*, the *Abridged Edition* is easy to use. The *Citation Index* of *SCI, Abridged Edition* is arranged alphabeti-

cally, by the first author of the cited paper or book. Below the abbreviated bibliographic description of each work is a list of the current articles that cite it. These are also arranged alphabetically, by first author. Once you have identified the citing authors, you can locate the full bibliographic description of their work by looking them up in the *Author Index*. In the discussion which follows, all examples are taken from the 1983 annual *SCI, Abridged Edition*.

Suppose a biology major at a four-year undergraduate school was taking an introductory biology course. It is not unlikely that such a student would hear about Gregor Mendel, discoverer of the basic principles of heredity. Indeed, it is quite possible that such a student or his or her teacher would know of Mendel's landmark 1866 article, "Experiments with plant hybrids."⁴ So they might be

Figure 1: Sample Citation Index entry from 1983 annual *SCI, Abridged Edition*. The first cited author is S.B. Mende. Listed beneath this author's name is the paper that was cited in a 1983 journal. Beneath the paper appears the condensed citation for the citing paper. Then under "MENDEL G." we find his 1866 paper in *Verhandlungen des Naturforschenden*. This was cited in 1983 by J.B. Reid and I. Kohane. Indicated to the right of each citing author's name is the journal title, volume, first page, and the year in which the citing article was published.

		VOL	PG	YR
MENDE SB				
83	GEOPHYS RES LETT	10	122	
	RYCROFT MJ NATURE	E	303	282 83
MENDEL CW				
** COMMUNICATION				
	JOHNSON DJ J APPL PHYS		54	2230 83
75	REV SCI INSTRUM	46	847	
	SHILOH J REV SCI INS		54	46 83
77	J APPL PHYS	48	1004	
	ADLER RJ REV SCI INS		54	940 83
	HUMPHRIES J APPL PHYS		54	4629 83
79	2ND P IEEE INT PULS			
81	JUL P INT C HIGH POW			
	JOHNSON DJ J APPL PHYS		54	2230 83
81	JUL P INT C HIGH POW		45	
	MENDEL CW PHYS REV A		27	3258 83
81	4TH P INT C HIGH POW			
	PRESTWIC KR NUCL TECH-F		4	945 83
82	J APPL PHYS	53	7265	
	MENDEL CW PHYS REV A		27	3258 83
MENDEL G				
1866	VERHANDLUNGEN NATURF	4	3	
	KOHANE I J HEREDITY		74	175 83
	REID JB PLANT PHYSL		72	759 83
MENDEL JE				
73	BNWL1761 PAC NW LAB		16	
	WEBER WJ NUCL TECH	R	60	178 83
73	USAEC BNWL1765 NTIS			
	NEILSON RM NUCL SAFETY		24	213 83
76	1976 P S MAN RAD WAS		2	49
	WEBER WJ NUCL TECH	R	60	178 83
77	BNWL2252 PAC NW LAB			
	STRACHAN DM NUCL CH WAS		4	177 83
	WEBER WJ NUCL TECH	R	60	178 83
78	PNLSA2764 PAC NW LAB			
	MCCRAY GJ I AM CERAM		66	170 83

Figure 2: Sample *Author Index* entries from *SCI, Abridged Edition*. In addition to full bibliographic information, the *Author Index* indicates the number of references each article contains. The sample shows that I. Kohane published an article during the 1983 indexing period, coauthored with J.F. Kidwell. Their affiliation, Brown University, follows the journal citation. The entry for J.B. Reid is also shown. The language of the original work, if other than English, is indicated by a two-letter abbreviation in parentheses immediately preceding the title. The code following the number of references refers to the ISI[®] journal accession number, for ordering reprints from OATS[®] (Original Article Text Service).

KOH W				
* SILVERMAN KEM K—STRUCTURE CHARACTERIZATION OF SULFONATED POLYSULFONE MEMBRANES • MEETING				
	J ELCHM SO	130(3):C112	83	NO R QF826
TURACELL INC. HURLINGTON, MA 01903 USA				
KOHANE I				
* KIDWELL JF—EFFECT OF SELECTION, MUTATION, AND LINKAGE ON THE EQUILIBRIUM STRUCTURE OF SELFING SYSTEMS				
J HEREDITY	74(3):175-180	83	9R	QR882
BROWN UNIV DIV BIOL & MED, PROVIDENCE, RI 02912 USA				
KOHANSKI RA				
* LANE MD—BINDING OF INSULIN TO SOLUBILIZED INSULIN RECEPTOR FROM HUMAN PLACENTA—EVIDENCE FOR A SINGLE CLASS OF NONINTERACTING BINDING SITES				
J BIOL CHEM	258(12):7460-7468	83	64R	QV928
CORNER HOSPITAL AND SCH MED DEPT PHYSIC, 117M BA, TAMOR, MD, U.S.A.				
REID JB				
* BLUETONGUE • LETTER				
J AM VET ME	182(2):100	83	3R	PY410
RCP CANADIAN DIV ANIM REH, ST-BARNA, NIA, 1193 DUNDAS, CANADA				
REID JB				
* INTERNODE LENGTH IN PISUM—DO THE INTERNODE LENGTH GENES AFFECT GROWTH IN DARK-GROWN PLANTS				
PLANT PHYSL	72(3):759-765	83	29R	JA527
UNIV TASMANIA DEPT BOT, HOBART, TAS 7001 AUSTRALIA				
REID I				
* MCKINLAY AP—WHITESMITH C, COMPILER • REVIEW				
BYTE	8(1):330	83	5R	PW617
DATATEL COMP SYST LTD 344 2ND AVE S, SASKATOON S7K 1L1, SASKATCHEWAN, CANADA				

interested in finding out what the recent literature has to say about it.

To determine whether or not Mendel's paper had been cited recently, you simply look under "MENDEL G" in the *Citation Index*, as illustrated in Figure 1. As it turns out, the paper was cited twice in 1983: by J.B. Reid, University of Tasmania, Hobart, Australia, in *Plant Physiology*, and by I. Kohane, Brown University, Providence, Rhode Island, in a recent issue of the *Journal of Heredity*. The full bibliographic descriptions of these papers are found under their respective authors' names in the *Author Index*, as shown in Figure 2.

The *Author Index* includes all the articles indexed during the period covered. It is arranged alphabetically, and has an entry for every author. Each first-author entry contains the complete bibliographic information needed to locate the article. Entries for coauthors refer you back to the main entry under the first author's name. Each first-author entry also lists the ISI journal accession

number, so users can order tear sheets or high quality photocopies from OATS® (Original Article Text Service),⁵ ISI's document delivery service. Furthermore, the author's address is provided, so that reprints can be requested. This can be especially important to small libraries in the US, as well as in the Third World.

It is possible, however, that a college student just beginning a science education will be unaware of even the best-known authors in a field. That was our original rationale for designing the *SCI's Permuterm® Subject Index (PSI)*. In the *PSI*, every significant title word is paired with every other significant word in the same title to produce a list of all possible pairs of terms. However, to address the specific needs of undergraduate science students and faculty, the *Subject Index of SCI, Abridged Edition* has been modified. Every significant title word from each indexed article still becomes a primary entry. However, under each primary entry, only one or two of the other significant title words are listed. The co-terms have been selected by computer on the basis of their proximity to the primary entry word. The names of the authors using these terms appear beside each co-term. So if you know a few words that are relevant, you can quickly locate current papers. As with the *Citation Index*, the full bibliographic description of the articles whose title words appear in the *Subject Index* can be found in the *Author Index*.

Continuing with our previous example, the student could have begun a search by selecting a few keywords. Turning to the *Subject Index*, he or she looks up the word "MUTATION." The student would note that it has been used together with 70 other terms (see Figure 3). Each term has been used in the title of an article, together with the main entry word, by the authors listed down the right-hand side of the column. Kohane's paper, "Effect of selection, mutation, and linkage on the equilibrium structure of selfing systems," can be found next to the term "SELECTION."

Figure 3: Sample *Subject Index* entry from *SCI®, Abridged Edition*. The main entry, "MUTATION," has been paired with numerous other terms. Alongside each co-term is found the name of an author who used both words in the title of an article.

MUTATION	
POLAXI	W AHL AF
REGULATORY	SPARROW CP
RESISTANCE	MARK LG
RNA	WEISSBRU. B
RNA2	TEEM JL
RPOB	LITTLE R
SELECTION	KOHANE I
SITE	DOBKIN C
SPONTANEOUS	DASSARMA S
STANLEYVIL.	RHODA MD
STRAINS	CHANG YY
STREPTOCOC.	GRIST RW
SUPPRESS	GROSSMAN AD
TARGETED	FIX D
TS15	GULLETTA E
TYPE	UHM JY

Those interested in technical or math-related topics, rather than in the life sciences, will also find *SCI, Abridged Edition* useful, since it is a multidisciplinary tool. One topic of great current interest in the computer sciences community is "artificial intelligence."⁶ A key concept in this field is "fuzzy sets," introduced by Lofti A. Zadeh, University of California, Berkeley, in 1965.⁷ Fuzzy sets are a mathematical method of dividing complex, real-world problems into sequences of simpler questions.

A student majoring in computer science might well be acquainted with Zadeh's primordial paper on fuzzy sets. In the *Citation Index*, the student learns that Zadeh's paper was cited in 1983 by Colin B. Brown, University of Washington, Seattle (see Figure 4). To find the full bibliographic description of the paper by Brown, he or she checks the *Author Index* under Brown's name (see Figure 5). For students not familiar with Brown or Zadeh, the Brown article can also be found under "FUZZY SETS" in the *Subject Index* (see Figure 6). A current article by Zadeh himself is listed under the entry, "FUZZY LOGIC." Figure 7 shows the *Author Index* entry which could also have been the starting point of a search.

Figure 4: Sample entry from *SCI*, *Abridged Edition's Citation Index*, showing the names of the cited author, L.A. Zadeh, and the citing authors, including C.B. Brown.

	VOL	PG	YP
ZADEH LA			
50 P IRE	38		
TSAO YH		J ACOUST SO	74 827 83
63 LINEAR SYSTEM THEORY			
FISH AJ		J DYN SYST	105 83 83
KUH ES		CO'ENG TECH	1983 20 83
MIYAZAWA Y		AIAA J	21 163 83
63 LINEAR SYSTEMS THEOR			
KABAL P		IEEE COMMUN N	31 430 83
65 INFORMATION CONTROL	8	338	
BROWN CB		J STRUC ENG	109 1211 83
69 SYSTEM THEORY			
BILARDI G		IEEE COMMUN	31 853 83
69 SYSTEMS THEORY			
FISH AJ		J DYN SYST	105 83 83
72 ERLM325 U CAL MEM			
73 ELECTRICAL ELECTRO	3	28	
DAS TK		AIAA J	21 786 83
75 SYNTHESE	30	407	
ZADEH LA		COMPUTER	16 61 83
78 FUZZY SETS SYSTEMS	1	3	
DUJA RO		SCIENCE	220 261 83
79 MACHINE INTELLIGENCE	9		
QUINLAN JR		COMPUTER J	26 255 83
79 MACHINE INTELLIGENCE	9	149	
81 247 SRI INT AI CTR T			
83 COMPUTERS MATH	9	149	
83 ERL M8326 U CAL MEM			
ZADEH LA		COMPUTER	16 61 83

Figure 5: Sample *Author Index* entry from *SCI*, *Abridged Edition*, showing the full bibliographic description of the paper by C.B. Brown and J.T.P. Yao.

BROWN CA			
• BURNS FC KNOLL W SWALEN JD FISCHER A—UNUSUAL MONOLAYER BEHAVIOR OF A GEMINALLY DISUBSTITUTED FATTY ACID—CHARACTERIZATION VIA SURFACE-PLASMONS AND X-RAY PHOTOELECTRON-SPECTROSCOPY STUDY			
J PHYS CHEM	87(19):3616-3619	83	21R R6485
IBM CORP, HAWARD ST, JOSE, CA 95193 USA			
BROWN CB			
• YAO JTP—FUZZY-SETS AND STRUCTURAL-ENGINEERING			
J STRUC ENG	109(5):1211-1225	83	15R QN167
UNIV WASHINGTON SEATTLE WA 98195 USA			
BROWN CC			
• LEARNING ABOUT TOXICITY IN HUMANS FROM STUDIES ON ANIMALS			
CHEMTECH US	13(6):350-358	83	49R QT367
NUTRIMETRY BRANCH, LANDOW BLDG, RM 501, BETHESDA, MD 20814 USA			
• KOZUL JA—STATISTICAL ASPECTS OF THE ESTIMATION OF HUMAN RISK FROM SUSPECTED ENVIRONMENTAL CARCINOGENS—REVIEW			
SIAM REV	25(2):151-181	83	148R QK788
NUTRIMETRY BRANCH, BETHESDA, MD 20814 USA			

SCI, Abridged Edition began regular publication in January 1984. It will appear in softcover volumes each month, except for June and December. These months will be included, respectively, in two-volume, semiannual cumulations published each July and January. Thus, students, faculty, librarians, and others will be able to identify and retrieve the most current articles on topics in science and technology each month, while the information is new, and reprints still readily available from authors.

I have stressed the usefulness of *SCI, Abridged Edition* to undergraduate students. It may one day fill a special niche in college and university libraries

Figure 6: Sample *Subject Index* entry from *SCI*, *Abridged Edition*, showing various entries, including, "FUZZY SETS," used in an article by C.B. Brown, and "FUZZY LOGIC," used by L.A. Zadeh.

FUZZY
 ALGORITHM - - DAS TK
 CONTEXT - - - SMITH TA
 OBJECTIVE - - WANG PH
 TECHNIQUES - CAULFIEL.HJ

FUZZY-LOGIC
 BASED - - - - ZADEH LA

FUZZY-SETS
 STRUCTURAL - BROWN CB

FV
 REGION - - - - GONI F

throughout the world. There is additional emphasis on applied science and technology in the *Abridged Edition*. Those institutions that are not yet ready to acquire the full *SCI* can use the *Abridged Edition* as an entry point to the key literature. Third World nations certainly have a need for "appropriate technology," but may not be able to afford the journal coverage available to the larger institutions.

The price of *SCI, Abridged Edition* is comparable to the cost of a dozen or so average journals in its coverage. This means that the *Abridged Edition* may even be within the budget of a department library. Since the *Abridged Edition* has been geared toward student needs, a user in a research setting would obtain only a sampling of key articles, compared to the exhaustive list of references a comprehensive search of

Figure 7: *SCI*, *Abridged Edition's Author Index* entry showing the bibliographic description of the 1983 article in *Computer* by L.A. Zadeh.

ZACZEK R			
• KOLLER K COTTER R HELLER D COYLE JT—N-ACETYLASPARTYLGLUTAMATE—AN ENDOGENOUS PEPTIDE WITH HIGH AFFINITY FOR A BRAIN GLUTAMATE RECEPTOR			
P NAS BIOL	80(4):1116-1119	83	25R QD167
JOHNS HOPKINS UNIV SCH MED DEPT PSYCHIAT & BEHAV SCI DIV CHILD PSYCHIAT BALTIMORE MD 21205 USA			
ZADEH LA			
• COMMONSENSE KNOWLEDGE REPRESENTATION BASED ON FUZZY-LOGIC			
COMPUTER	16(10):61-65	83	12R RK103
UNIV CALIF BERKELEY DEPT EECS & ERL BERKELEY CA 94720			
ZADIK FR			
• LATE DETECTION OF HP DISLOCATION—LETTER			
LANCET	2(8345):340	83	1R RB259

SCI would yield. But *SCI, Abridged Edition* can provide an excellent start to a search before going to the main library. An examination of the topics covered in the *Abridged Edition* will demonstrate that the most influential journals in most fields have been included. (See Table 2.) It will also remind you that the borderline between science and technology is indeed narrow. *SCI* itself has always covered the major journals in engineering, science, and technology. By including many of these journals in *SCI, Abridged Edition* and adding some "trade" journals to this coverage, we enhance its usefulness in an age of rapid technological advances.

It should be apparent that were it not for the existence of the larger and comprehensive *SCI*, the *Abridged Edition* would not have been possible at these prices. The 1983 annual is clearly a bargain. We want to encourage the use of the *Abridged Edition* in undergraduate institutions—even in high schools. All such places of learning have their share

of future Nobel prizewinners as well as future science teachers. They should all learn how to use libraries and *SCI* at the earliest possible stage of their careers.

The 1983 annual *SCI, Abridged Edition* is available at the introductory price of \$380. An annual subscription for 1984 is \$780. For more information about the *Abridged Edition*, or for a free sample issue, call ISI Customer Services at (215) 386-0100, extension 1359, telex: 84-5305, or write us at 3501 Market Street, Philadelphia, Pennsylvania 19104. Subscribers in Europe and elsewhere can contact ISI at 132 High Street, Uxbridge, Middlesex UB8 1DP, UK. The Uxbridge office's phone number is 44-895-30085 (telex: 933693 UKISI).

* * * * *

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