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UCRL-18667 Supplement
UC-4 Chemistry
TID-4500 (53rd Ed.)

UNIVERSITY OF CALIFORNIA

Lawrence Radiation Laboratory
Berkeley, California

AEC Contract No. W-7405-eng-48

INDEX TO NUCLEAR CHEMISTRY DIVISION ANNUAL REPORT, 1968

March 1969

Printed in the United States of America
Available from
Clearinghouse for Federal Scientific and Technical Information
National Bureau of Standards, U. S. Department of Commerce
Springfield, Virginia 22151
Price: Printed Copy $3.00; Microfiche $0.65

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Lawrence Radiation Laboratory
University of California
Berkeley, California

March 1969

The attached pages are a permuted index of the key words and numbers contained in the titles of the papers in the Nuclear Chemistry Division Annual Report, 1968 (UCRL-18667); author's surnames are also indexed.

The index was prepared by an IBM-1401 computer by means of the KWPT program (Key Words Plus Title). The program takes the title and author of each paper, rejects the "forbidden" (insignificant) words, and indexes those remaining--the key words, authors' surnames, and numbers. As you can see in the attached lists, the indexed terms are alphabetized, then displayed in the left column; the middle column shows the complete title and author listings, and the right column the page numbers. A given title is indexed once for each significant word and surname; thus a title that contains three key words and was written by two authors is indexed five times. Following the word index is the number index, in which numbers are treated as key words.

To make this permuted index as useful as possible, the titles were edited to be suitable for handling by the computer.

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This work was done under auspices of the U. S. Atomic Energy Commission.

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