

Compilation of a Thesaurus and Total Index for *Nihon Kagaku-Gijutsu-Shi Taikei* by Means of a Computer

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I. Introduction

This paper presents a report on the compilation of a thesaurus and total index of history of science and technology in Japan. Using an electronic computer we prepared this from the *Nihon Kagaku-Gijutsu-Shi Taikei* (*History of Science and Technology in Japan*) 25 volume were edited by the History of Science Society of Japan and published from *DAI-ICHI HOKI SHUPPAN Co. Ltd.* between March 1964 and August 1970. In March 1968, when publication of the *Nihon Kagaku-Gijutsu-shi Taikei* (hereafter referred to as *Taikei*) was nearing completion, Professor Mitsutomo Yuasa proposed the preparation of a thesaurus of the history of science and technology in the form of a total index covering all 25 volumes to be published as a supplementary volume. Having consulted with members of the History of Science Society of Japan, he assigned us to prepare the total index in Cross Index style. After analysing all the documents in the *Taikei* from March to July, 1971, we completed the work in December 1971. The supplementary volume was published in January, 1972. *Nihon Kagaku-Gijutsu Kenshujo* (Institute of Computation Centre, Union of Japanese Science and Engineering; hereafter referred to as *JUSE*) voluntarily collaborated with us in the programming and running of an electronic computer.

Definition of words

In this paper we use the following definitions and abbreviations:

“Vol. X” is the Xth volume.

“n vols.” is number of volumes.

“DN” (document number) refers to a document number as given in *Taikei*.

“IN” (indexing number) is used for a re-ordered document number as given in the thesaurus.

“KW” means Key-word.

“KWN” (Key-word number) refers to a specified number (or address number) of a Key-word used for the computer.

* The Patent Office under The Ministry of International Trades and Industries.

** The National Diet Library.