

9. Fusion Science Archives

The former Head of the Fusion Science Archives (FSA), K. Matsuoka retired at the end of March 2010. The new staff members from April 2010 are as follows.

Head: Harukau Iguchi

Staff: Sachiko Hanaoka

Keisuke Matsuoka (Collaborator)

Chusei Namba (Collaborator)

Kazue Kimura (Collaborator)

Collection of NIFS FSA

Collection of privately owned documents has been continued. Documents owned by Prof. Tadashi Sekiguchi, especially concerned with the campus disturbances at the University of Tokyo in 1970's, were added by the courtesy of his family. Documents owned by Prof. Teruhiko Tajima were newly stored, which were mostly on the trip reports by those people who attended the Zero Phase INTOR workshop in 1979-1980.

Total number of catalogs is over 22,000 items at the end of the fiscal year 2010. Distribution of the birth year of those documents is shown in Fig. 1. About 5,000 among them are registered on the database server of National Institute for Japanese Literature (NIJL), which are open to public through Internet and can be accessed by the use of the retrieval system of finding aids. The database can be accessed from the home page of NIFS FSA.

The numbers of requests to read FSA documents and to copy them in this year were 56 and 23, respectively.

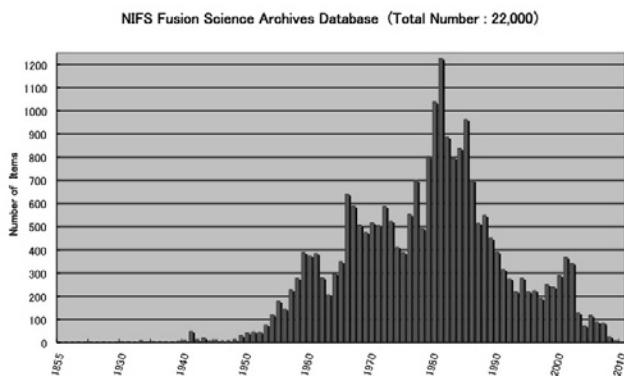


Fig. 1. Distribution of birth year of FSA items

Oral History

Interviews to Professors Yoshinosuke Terashima (Prof. Emeritus of IPP Nagoya University), Ken Young (Princeton Plasma Physics Laboratory, USA) and Chushiro Hayashi (Prof. Emeritus of Kyoto University) were written down into documents as archives, which are now registered as oral histories at FSA. The former two interviews were carried out under the collaboration with Nihon University. All those interviews were carried out in the fiscal year of 2009 or before. An interview to Prof. Shigeru Mori (a former vice-president of Japan Atomic Energy Research Institute) was carried out at the JAEA (Japan Atomic Energy Agency) office in Tokyo on March 10, 2011. The written document is under preparation. The interview was carried out under the collaboration with JAEA and Nihon University.

FSA collaboration program

Eleven collaboration programs have been accepted in this fiscal year. Report of each activity will appear in the following sub-sections. Some of them have been continued for a couple of years. Four papers from these collaborations were presented at the 9th Joint Meeting of Nuclear Fusion Energy held at Takayama City Hall in June 10, 2010. The authors and the titles of the papers are:

- 1) C. Namba, et al., "Electronic Finding Aids based on Encoded Archival Description for Fusion Science Archival Database"
- 2) K. Kimura, "Fusion Science of Early days in Kyoto University"
- 3) T. Kuroda, et al., "Experimental devices at the beginning of fusion research in Japan and their Progress"
- 4) K. Matsuoka, et al., "History of fusion device based on fusion science archives- what we learn from the history --"

A meeting of those representatives of the eleven collaboration programs was held at NIFS on November 2nd, 2010. Each representative presented status and plan of the collaboration research programs. Archival activity at the Institute of Laser Engineering, Osaka University has started. They joined us this fiscal year.

Archives network of natural sciences

The former SOKENDAI Project on archives, "History of Inter-University Institutes and Archives" (Project leader: Keisuke Matsuoka) was terminated by the end of the fiscal year 2009, which had been continued for 6 years. It is important to continue this network activity, although financial support from SOKENDAI is not expected. Based on the 6-year collaborations among many inter-university institutes, we have confirmed that our network has been effective and should be strengthened. We held a meeting twice in this fiscal year.

The first meeting was held at High Energy Research Organization (KEK) on October 13-14, 2010 on the occasion of the KEK symposium on science archives in USA and Japan, when an invited lecture by Dr. Tomoko Steen from the Library of Congress, USA was given, introducing archival activity in US. Following this symposium, the meeting for archival activities under the network among research institutes in the field of natural sciences was held. H. Iguchi presented archival activities about fusion research in Japan, which started at IPP Nagoya University and was taken over by NIFS FSA.

The second meeting was held at NIFS on February 2nd, 2011. The topics of the meeting were on "how to correspond to the new law of public document management" and "structuring a new cross retrieval system of finding aids on the bases of EAD (Encoded Archival Description) among the wide field of natural sciences". An invited lecture by Prof. Nishiyama of the University Archives at Kyoto University was given, who presented the preparation at the University Archives to be an official archival organization under the new law. With the help of the NIFS administration office, the lecture was transmitted to a couple of other institutions via TV network. The topic for developing a common data server and a cross retrieval system among inter-university organizations of SOKENDAI was also discussed. Presently, some of the NIFS FSA catalogs are registered on the NIJL data server for Internet access as mentioned above. However, it is difficult for us to access this server in order to carry out data registration as batch processing, which makes the registration process inefficient. We intend to have our

common database server among inter-university organization of SOKENSAI. The plan is under discussion.

30th Anniversary of US-Japan Collaboration

US-Japan collaboration program on energy research was initiated in May 1979 based on the joint communiqué at Fukuda-Carter meeting in May 1978. The year 2009 is the 30th anniversary. A special report on the 30th anniversary of the US-Japan collaboration in fusion research was planned at the Coordinating Committee for Fusion Energy (CCFE). Since a special report for the 20th anniversary was published ten years ago, the new report covers mostly those collaborations over the last ten years. K. Matsuoka wrote on US-Japan collaboration of archival activities as a part of this report. The main topic was on US-Japan collaboration for oral histories. Three researchers (Profs. K. Young, Shoichi Yoshikawa, and Chihiro Ohkawa) who played key roles in fusion research were interviewees. The work was partly carried out under the collaboration with Nihon University. The anniversary report was published in March 2011.

Law of public document management

Two of FSA Staffs (H. Iguchi, C. Namba) attended the annual meeting of The Record Management Society of Japan held at Osaka University on May 14-15, 2010. The main topic of this meeting was on the new law on public document management, which shall take effect on April 1st, 2011. The NIFS FSA is planning to collect and store historically important documents prepared by the administration office in addition to privately owned documents. Otherwise many public documents will be missed. Then FSA is to be controlled by this law. This vision will be affected by the policy of the administration office of NINS (National Institute of Natural Sciences), which is under discussion.

Archives College

Annual short-term archives college operated by NIJL was held at Nagoya University on November 8-13, 2010. H. Iguchi and C. Namba attended the college. Sending a report (4,000 letters or more) to NIJL after completing this course was obligatory. Both attendees sent their reports and received certificates.

(Iguchi, H.)