



International Atomic Energy Agency

INDC

INTERNATIONAL NUCLEAR DATA COMMITTEE

Report of the ENEA/CCDN to the INDC

June 1969 - June 1970

H. Liskien

June 1970

IAEA NUCLEAR DATA SECTION, KÄRNTNER RING 11, A-1010 VIENNA

Report of the ENEA/CCDN to the INDC

June 1969 - June 1970

A. Introduction

No new activities have been taken up by the CCDN; its activities continue to fall under the four headings:

Experimental Data
CINDA
Evaluated Data
RENDIA

Requests have reached a level of one per working day, which are answered with an average delay of 5 days unless additional contracts with authors or other Data Centres are indispensable.

B. Experimental Data

With effect from July 1969 NEUDADA retrieval programmes were extended to allow selection of data by bibliographic parameters also. Appointment of liaison officers for countries or such laboratories well-known as data producers has been found essential for improving rapidly the content of the file. Therefore the CCDN will continue to invite such liaison officers.

In view of the EXFOR area, the file was splitted up in two subfiles: The Internal Subfile contains all data compiled from laboratories in the CCDN area of responsibility, while the External Subfile contains the complement. A translation programme NEUDATA --> EXFOR was implemented.

More than 100.000 data points were added to the file. But this increase is about compensated by correction work on the Internal Subfile, which has led to the deletion of many duplicates. At present the total file contains about 1.150.000 data points. The last index was published in October 1969 as CCDN-NW 11.

Recent reorganization within CCDN will provide the possibility not only to fulfil the EXFOR agreement but also to work on the back-log. Already now work is in progress to check and write EXFOR compatible comments for all large data sets. After this, highest priority will be given to those data sets published during the period October 1968 - July 1970 in which data exchange between CCDN and NNCSC stopped.

C. CINDA

The CCDN continued to prepare entries for its service area, to carry out computer operation on behalf of the 3 centres on the European continent and to send exchange tapes to DTIE. The total number of records is at present 68.000. DTIE entered 38 %, CCDN 37 %, NDS 23 %, CJD 2 %. 44 % of all primary entries refer to work which originates from North-America, 28 % from Western Europe and Japan, 10 % from the USSR and 9 % from the service area of NDS, while another 9 % could not be identified.

CCDN is prepared to modify its edition programme if for CINDA 71 automatic photo-type setting is not ready for operation and a reduced publication size is envisaged. Information about OECD production costs in a format 27 x 20 cm are available.

D. Evaluated Data

The CCDN continued to distribute on request information from ENDF/B, UKNDL and KEDAK in the original formats to users in its area of responsibility. Requests from NDS for special DFN's of UKNDL are only answered with explicit approval of Dr. Campbell.

Results of Prof. Benzi's evaluation work on radiative capture cross sections for nuclei with $32 \leq Z \leq 66$ was published in CCDN-NW 10 in December 1969. This file is available in ENDF/B and UKNDL format. The next index of evaluation work will be published when the 4 remaining ENDF/B-version 2 files will be available.

E. RENDA

An updated version of the EANDC requests for neutron data measurements was published in February 1970 as document EANDC 85 "U". Special care was taken to harmonize comments and laboratory abbreviation. USAEC and UKAEA have obviously computerized the compilation of national requests but unfortunately not in a format to be used directly by the RENDA system. UK requests were splitted clearly into requests for experiments and evaluations. The latter ones were not included in EANDC 85 "U".