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INTERNATIONAL NUCLEAR DATA COMMITTEE

Report of the ENEA/CCDN to the INDC

Period June 1970-June 1971

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A. Introduction

The period under review was one of consolidation for the CCDN. It was continued to rent the IBM 360/30 computer on a one-shift basis. 86% of the available time was used by CCDN while additional 7% were made available to outside users. An additional staff member was recruited recently, the full complement now comprising 18 posts, 8 being professionals. 215 requests were answered during this period. An average of one request in eight comes from NDS of IAEA and originates in laboratories outside the CCDN's area of responsibility, mainly the USSR. No new activities have been taken up.

B. Experimental Data

CCDN's NEUDADA system has been adapted to allow translations into EXFOR. Up to now 4 tapes with a total of 144,000 records were dispatched, 2 further tapes with about 60,000 records are in preparation. CCDN received from NNCSC 1 tape with 13,000 records and from NDS 2 tapes also with 13,000 records. Apart from the one in preparation, no further publication of any CCDN data index is foreseen. It is intended to concentrate efforts on making CINDA a complete International Data Index.

A procedure has been implemented to check, correct and complete the "Internal" file (data stemming from CCDN's area of responsibility) of the NEUDADA library on a laboratory/country basis. Up to now data from Austria, Denmark, Finland, Greece, Norway, Spain, Sweden, Switzerland, Turkey and CBNM Geel have passed this procedure. Also this data will be translated into EXFOR. It is foreseen to continue with data from Belgium, Netherlands, Italy and Japan.

C. CINDA

The CCDN continued to prepare entries and to handle those received from its reader net-work and from NDS and CJD. Exchange tapes were sent to DTIE. Tapes for book production were sent to NDS beginning of January 1971 (for CINDA 71) and end of May 1971 (for its first supplement).

A reprogramming of the CINDA system is in progress and it is hoped that by the time CINDA 72 is published a new system will be in operation. The aims are :

- to save computer time and hence to reduce the delay in answering requests and to increase the frequency of merges,
- to include a regular link with the NEUDADA library in view of the International Data Index.

This will be supplemented by writing conversion programmes to make explicit as far as possible the information hidden in the existing entries. Funds have recently been made available to start the system reprogramming also at DTIE, where the other CINDA master file is handled, which gives the opportunity to adapt even the exchange interface, if found necessary.

D. Evaluated Data

New versions of KEDAK, UKNDL and ENDF/B were received, also - in UK-format - complete evaluations for Pu^{240} and Pu^{241} by P. Ribon. A new CCDN evaluation index was published in October 1970.

Information from the ENDF/B system is distributed only to requesters in CCDN's area of responsibility. Requests from NDS for specific DFN's of UKNDL are only fulfilled with explicit approval of UK-authorities.