

1979-03-06

To: Distribution

From: G. Lammer *Glammer*

Subject: Introduction to archival Cinda publication CINDA-A

Following a letter from C. Dunford to H. D. Lemmel of 30 January 1979, I would like to propose some alterations to the Foreword and the Acknowledgements Section (page A.8) of the archival Cinda book (see enclosure).

If other Centers wish to include special acknowledgements for the cleanup effort, or if further changes are suggested, we would like to receive notification before 10 April 1979.

Clearance: J.J. Schmidt

*J.J. Schmidt*

Distribution:

1. S. Pearlstein, NNDC
2. N. Tubbs, NEA-DB
4. V.N. Manokhin, CJD

cc. H. Goldstein

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## FOREWORD

CINDA, the Computer Index of Neutron Data, contains bibliographical references to measurements, calculations, reviews and evaluations of neutron cross-sections and other microscopic neutron data; it includes also index references to computer libraries of numerical neutron data exchanged between four regional neutron data centres.

The present issue in two volumes, CINDA-A, is an index to all works on neutron nuclear data from the time of the discovery of the neutron until the end of 1976. Works completed after 1976 are indexed in the further CINDA-issues and their supplements, which will continue to be published in six months' intervals.

As compared to earlier cumulative CINDA publications, the information in this issue has been thoroughly revised with a special view to the correction of mistakes, the removal of superseded progress reports and occasional duplicates, to appropriate blocking of references pertaining to the same work and to adding index lines to the EXFOR data library (see p. XIII).

The compilation and publication of CINDA are the result of world-wide co-operation involving the following four data centres. Each centre is responsible for compiling the CINDA entries from the literature published in a defined geographical area given in brackets below:

- \* The USA National Nuclear Data Center at Brookhaven National Laboratory, USA (United States and Canada).
- \* The USSR Nuclear Data Centre at the Fiziko-Energeticheskij Institut, Obninsk, Soviet Union (USSR).
- \* The NEA Data Bank at Saclay, France (OECD member countries in Western Europe and Japan).
- \* The IAEA Nuclear Data Section at Vienna, Austria (all other countries in Eastern Europe, Asia, Australia, Africa, Central and South America; also IAEA publications and translation journals).

Besides the published CINDA books, up-to-date computer retrievals for specified CINDA information are currently available on request. For CINDA computer retrievals, as well as for suggestions and corrections, scientists are invited to contact their responsible Centre:

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## ACKNOWLEDGEMENTS

CINDA began in 1956 as a private index maintained by Prof. H. Goldstein and his then colleagues at Nuclear Development Associates. Computer operation of the file dates from 1963, when the original punched cards were translated into computer format at Columbia University, and outside indexers were enlisted, to be joined in 1964 by the NEA Neutron Data Compilation Centre (CCDN), who maintained an identical master file at Saclay, the IAEA Nuclear Data Section (1965) and the USSR Nuclear Data Centre (1966). Readers send in their contributions to regional centres, who carry out checking operations and cover the remaining literature from their area; U.S. and Canadian operations were transferred in 1966 to TIC, Oak Ridge, and in 1974 to NNDC Brookhaven. The original Fortran programs, later adapted to run at CCDN and in Oak Ridge, have been replaced by PL/1 programs better suited to the file's increased size and to changes in the computer environment in which CINDA is maintained. Special tapes prepared by the NEA Data Bank at Saclay (previously CCDN) are then converted by the IAEA Nuclear Data Section for input to the photo-typesetting process by which this book is produced. CINDA's founder, Prof. H. Goldstein of Columbia University, has taken a leading part in its continued development, both as Chairman of the US CINDA Steering Group and as a CINDA indexer.

The Physicists at each Centre responsible for CINDA are:

Brookhaven: C. Dunford  
Obninsk: V.N. Manokhin  
Saclay: P.D. Johnston  
Vienna: H.D. Lemmel and G. Lammer

The indexers in the Centres and the outside indexers are listed below. The editors wish to express their extreme gratitude to all these people, and to past collaborators, whose work together makes up CINDA as it now stands.

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Each of the four Data Centers responsible for CINDA has devoted a special effort to the cleanup of the CINDA file in order to render the information in this book more accurate. NNDC wishes to thank the physicists and data aides who participated in its cleanup project: C. Dunford, G. Waite, M. Bhat, M. Divadeenam, T. Burrows, J. Tuli, S. Peaflstein, A. Prince, P. Rose, B. Magurno, L. Levitt, L. Peker, G. Thompson, V. McLane, J. Stehn (physicists), and A. Daly, M. Blennau, P. Dixon, S. Santos, J. Jensen, J. Roys (data aides).

All file maintenance operations are carried out at the NEA Data Bank (previously CCDN), Saclay. The conversion of the file for input to the photo-typesetting process is made by the IAEA Nuclear Data Section. A duplicate copy of the CINDA masterfile is kept by NNDC, Brookhaven.

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