<u>Memo 4C-3/109</u>

To: Distribution   8 November 1974

From: H.D. Lemmel HDL

Subject: <u>Exfor Dictionaries and code-expansions</u>

        We are in the process of making more use of the code expansions
contained in the Exfor dictionaries for producing edited listings of Exfor
entries.

1. Iso-quant expansions.

    We need expansions for the "general" modifiers at the beginning of
    Dict. 12. These are the modifiers which do not require entry in
    Dict. 14. We suggest the following expansions:

          RAW   (RAW DATA (SEE TEXT))
          REL   (RELATIVE DATA)
          FCT   (DATA TIMES A FACTOR (SEE TEXT))
          AV   (AVERAGE)
          SPA   (SPECTRUM AVERAGE)
          MXW   (THERMAL MAXWELLIAN AVERAGE)
          FIS   (FISSION SPECTRUM AVERAGE)

    Thus, the quantity NG,,MXW/REL would be expanded to (N,GAMMA) CROSS-SECTION,
    THERMAL MAXWELLIAN AVERAGE, RELATIVE DATA.

    The idea is that only the first few codes in Dict. 12 would have expansions
    as given above, the rest being left unchanged without expansions. Please
    let us know immediately if such a change in the dictionary would disturb
    any of your programs. (Note to Hans Potters: CHEDIC will need a minor
    modification.)

                                          Clearance: J.J. Schmidt

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2. The REF-TYPE expansions in dictionary 4 are still those from Cinda. For an Exfor edited listing, the limitation of these expansions to four characters is however not required and we suggest the following:

B   (BOOK)
C   (CONFERENCE)
J   (JOURNAL)
P   (PROG.REPT.)
R   (REPORT)
T   (THESIS)
W   (PRIV.COM.)

Please, let us know immediately, if such a change of these expansions would disturb any of your programs.

3. The book and conference expansions in dictionary 7 appear too brief in a number of cases. We intend to improve the style of these expansions gradually such that the expansion should give sufficient information to the customer to identify the reference without consulting a dictionary. In a number of cases this will require expansions exceeding one line (= 55 chars). Compare book-code NIKOLAEV in Dict. 7.

Please, let us know immediately, if such increased length of book and conference expansions would disturb any of your programs.

4. Action to NNCSC:

Note 6 on page VII.1d of the Exfor Manual is to be deleted. This note was relevant to NDS only and it has now become obsolete by change in computer program.

We shall proceed with items 1.-3. if no objection arises in due time.