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MEMO CP-N/74

DATE: 19 September 2008
TO: See distribution list below
FROM: H. Henriksson
SUBJECT: CINDA load errors and illegal format usage

1. The 'MNY' target code in CINDA

According to a decision by the NRDC CINDA entries are not allowed to be coded with the collective code 'MNY' for references describing experimental work. An examination of Area 2 data gives that there are in total 1002 lines (entries) with the code 'MNY'. Of these most describe theoretical work or reviews. There are however 125 entries with experimental data.

For the entire CINDA database the total number of lines is 3,178 divided on:

E	Experimental	**218**
T	Theoretical	1789
M	Experimental and theor.	83
C	Compilation	256
D	Evaluation	346
R	Review	486

Now, how should this be resolved? In a recent CINDA batch, a few lines were resolved by me and Naohiko, and it was seen that the experimental reports often discuss future measurements, and lists of proposed reactions to be measured. At most, some preliminary raw data are stated in the report, why the code could be replaced with this preliminary reaction or the entry could change work type. In a few cases it could be coded under 'Review'. The recent corrections are shown below:

```
A 13 27 N,P        CS 2JPNNAG2286020011E2  1.3+07 1.5+07J,NIM/A,496,183      200301Kawade+Activ Oktavian HPGe         20040410NP
A 92235 N,F        CS 2ITYBAU    1    11E2  8.0+00 2.0+01J,NIM/B,213,49       2004  Colonna+n_TOF raw data by PPAC      20050531NF
A 26  0 N,G        CS 2ITYBAU    1    11R2  1.1+03 1.3+03J,NIM/B,213,49       2004  Colonna+n_TOF capture yield by C6D6  20050531NG
A 79197 N,G        CS 2ITYTRI    1    11R2  1.0+00 1.0+05J,NIM/B,213,36       2004  Milazzo+n_TOF capture yield by C6D6  20050531NG

#A999MNY N,2N      CS 2JPNNAG   150   11R2  1.3+07 1.5+07J,NIM/A,496,183      200301Kawade+Activ Oktavian HPGe         20040410N2N
#A999MNY N,A       CS 2JPNNAG   150   11R2  1.3+07 1.5+07J,NIM/A,496,183      200301Kawade+Activ Oktavian HPGe         20040410NA
#A999MNY N,D       CS 2JPNNAG   150   11R2  1.3+07 1.5+07J,NIM/A,496,183      200301Kawade+Activ Oktavian HPGe         20040410ND
#A999MNY N,T       CS 2JPNNAG   150   11R2  1.3+07 1.5+07J,NIM/A,496,183      200301Kawade+Activ Oktavian HPGe         20040410NT
#A999MNY N,G       CS 2JPNNAG   150   11R2  1.3+07 1.5+07J,NIM/A,496,183      200301Kawade+Activ Oktavian HPGe         20040410NG
#A999MNY N,NP      CS 2JPNNAG   150   11R2  1.3+07 1.5+07J,NIM/A,496,183      200301Kawade+Activ Oktavian HPGe         20040410NNP
#A999MNY N,P       CS 2JPNNAG   150   11R2  1.3+07 1.5+07J,NIM/A,496,183      200301Kawade+Activ Oktavian HPGe         20040410NP

#A999MNY N,F       CS 2ITYBAU   150   11R2  1.0+00 1.0+08J,NIM/B,213,49       2004  Colonna+Cern N-Tof Ads Astro Ppac   20050531NF
#A999MNY N,G       CS 2ITYBAU   150   11R2  1.0+00 1.0+08J,NIM/B,213,49       2004  Colonna+Cern N-Tof Ads Astro Ppac   20050531NG

#A999MNY N,G       CS 2ITYTRI   150   11R2  1.0+00 2.0+07J,NIM/B,213,36       2004  Milazzo+Cern N-Tof Ads Astro Ppac   20050531NG
```

The experimental data entries will be examined in detail in the autumn by the NEA-DB if need be.

2. CINDA backup file of 13 June

The master CINDA file from NDS produced 13 June 2008 was loaded at the NEA and several format errors were founds. Also several 'warnings', in the form of indication of obsolete, extinct or missing codes, were found, such as:

```
Warning: Country USA or Lab NBS Extinct
Warning: Country JPN or Lab JCL Extinct
Warning: Country JAP or Lab TSU Obsolete
Warning: id=645: no quantity found for line #1253
```

These files could for the moment be ignored as this is normal for old entries. Note that missing quantity codes will always remain a 'problem' in old CINDA entries, as the information was not there in the past.

Below is a short summary of the findings regarding errors. The original files can be obtained on www.nea.fr/html/dbdata/data/CINDA.
CINDA load: in total 15 365 Errors.

722 errors: **Bad Abstract/Conf code, empty Page subfield, comma should be omitted**
```
2005BRUSS,,
55GENEVA,,
...
```

10 150 **Bad Abstract/Conf code, invalid Conference code**
```
80SANTAFE
82KHARKV
83GAUSSI
83MOSKOW
95VANCOU
ACR
ACS
AE
AF
AJ
AND
ANS
PR/A
PR
...
```

4 **Bad Abstract/Conf code, third subfield (Part) must be enclosed in parenthesis**
```
64PARIS,2,,1054
```

300 **Bad Book code, 1 tokens**
```
ABAGJAN
ACT.EL
BAARD
BROND 71
BROND 75
BROND 78
BROND 99
FRC 76
FRC
GAMMAATLAS
```

```
KONSHIN
LAPENAS
PH-DAT13
PH-DAT13-1
PROKOFJEV
REAC.CALC.
TRANSU.EL.
```

3 Bad Book code, empty Page subfield, comma should be omitted
```
LANDOLT,,
```

11 Bad Book code, invalid Conference code
```
PH-DAT11-1
PH-DAT13-1
PH-DAT13-5
```

2 Bad EXFOR reference (length) or bad EXFOR reference (no full stop)
```
EXFOR22089.0
EXFOR0000.0003
```

286 Bad Journal code third subfield (Issue#) must be enclosed in parenthesis
```
AF,29,4,33
ANE,1,5,311
ANE,7,9,495
BAP,24,7,866
...
```

5 Bad Journal code, 5 tokens
```
IZV,35,(11),23,45
```

63 Bad Journal code, empty Page subfield, comma should be omitted
```
AE,44,
AE/S,1,
AK,18,(2),
AK,18,
EEN,64,
JPR,44,(7),
NC/A,31,(1),
NCS,301,
NCS,358,
NCS,370,
NCS,386,
NSP/B,,(SUPPL),
RCA,30,(1),
SNP,32,
SPD,837,
```

3 Bad Journal code, invalid Journal code
```
PSPS
RPD
```

547 Bad Report code, cannot decode Code-Number
```
AAEC/APPR-1986
AAEC/AP-PR-1986
```

```
A-TMF-88,103
A-TMF-88,91
CEC(68)-6
EANDC(U)-76U,175
HEDL-TME71-143
...
```

1294 Bad Report code, empty Page subfield, comma should be omitted
```
ACO/UK-1337,
AEEW-R-163,
AERE-M-1709,
AERE-N/R-370,
AERE-N/R-890,
AERE-NP/GEN-16,
AERE-NP/GEN-40,
...
```

2 Bad Report code, no hyphen to separate Code-Number
```
BNAL,103
```

307 Bad Report code, second subfield (Volume/Part) must be enclosed in parenthesis
```
AERE-PR/NP-8,,7
BNL-NCS-51245,1,375
CEA-N-1798,,28
EANDC-50,2,(165)
EANDC-50S,,
...
```

17 Bad Thesis/PrivateComm/Preprint code, 3 tokens
```
IN-,2P3,1092
SWISS,PH,5
SWISS,PH,S
```

40 Bad Thesis/PrivateComm/Preprint code, 4 tokens
```
AHP,TO,BE,PUBL
CNP,TO,BE,PUBL
NP,TO,BE,PUBL
```

236 Bad Thesis/PrivateComm/Preprint code, empty Page subfield, comma to be omitted
```
BARREAU,
BENTLEY,
BERGQUIST,
...
```

7 Bad value in Energy Min field
```
- 3+05
- 5+02
TH
```

54 Empty WorkType

10 Energy Min field > Max field
```
[Fast ][ 2.5-02]
[Fiss ][ 2.5-02]
```

```
[Fiss ][ 9.9+05]
[Tr   ][ 1.0+05]
[Tr   ][ 2.0-03]
[Tr   ][ 4.0+05]
```

400 Energy Min field >= Max field
```
[ +03][ 5.8+02]
[ 0.0+00][ 0.0+00]
[ 1.0+06][ 1.0+06]
[ 6.0+06][ 1.7+06]
```

1 EXFOR reference : subaccession number is 000
```
EXFOR13726.000
```

12 EXFOR reference : subaccession number is 001
```
EXFOR10542.001  EXFOR11047.001  EXFOR11811.001  EXFOR12148.001
EXFOR21270.001  EXFOR21276.001  EXFOR21937.001  EXFOR30291.001
EXFOR30540.001  EXFOR31463.001  EXFOR40081.001  EXFOR40822.001
```

10 No equal sign in additional info (line cut at position 140+255)
```
;#LAB=2FR
ILL,1USAANL;#PROD=X-85,X-86,X-87,X-88,X-89,X-90,X-91,X-92,X-93,X-94,X-95,X-96,X-97,X-98,X-99,X-10
0,X-101,X-102,X-103,X-104,X-105,X-106,X-107,X-108,X-109,X-110,X-111,X-112,X-113,X-114,X-115,X-116
,X-117,X-118,X-119,X-120,X-121,X-122,X-123;#REAC...
```

1 Unknown Data Library Reference
```
E
```

93 Unknown Institute
```
2GERCRC
4CCPEPA
4RUSIJI
```

11 Unknown Quantity
```
0DA
8CSP
```

774 Unknown ReaderCode
```
E4
```

Best wishes,
/ Hans Henriksson

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