

Memo 4C-3/118

To: Distribution
From: ~~Okamoto~~ ^{HDL} K. Okamoto + H.D. Lemmel
Subject: CINDA completeness (cont.)

19 February 1975


Some more results in the process of preparing a CINDA completeness check are presented here.

For some journals or report-series the information from Memo 4C-3/116 was supplemented.

Distribution:

L. Lesca, NDCC (5)
S. Pearlstein, NNCSC (5)
V. Manokhin, CJD (5)
Prof. H. Goldstein (1)

NDS: P.M. Attree
A. Calamand
G. Lammer
H.D. Lemmel
A. Lorenz
K. Okamoto
J.J. Schmidt
file

Clearance: J.J. Schmidt 

Journals area 1

NSE

This journal seems to be regularly covered up to August 1974 (by 1 Oct. 1974), but we found the following papers missing:

NSE 54(2) 116 (6/74)
Nizamuddin: single-level analysis of U-233 fission cross section.
[RSIC NL 116 7/74]

We found also the following papers missing:

NSE 8 (1960) 543 Mc Elroy + Fission Spect. averaged cross-section
NSE 48 (1962) 51 Engle- + \bar{v}
[App. K + L INDC(NDS)-54]

PRL

Phys. Rev. Letters

Missing entries:

CD-114,116 (n,n' γ) Gill + PRL 32 889 (1974), [Rec. Ref. 1-4/74]

At 1 Oct. 1974 there exists only a single entry for vol. 32 of PRL in Cinda. All other volumes were covered. Perhaps vol. 32 has been overlooked by the Cinda indexer? Not checked whether this vol. contains more relevant articles.

Additional missing entry:

Delayed Neutron Emission from I^{137} Shalev + PRL 28 687 (1972)
since the volume 28 is well scanned, this is an incidental drop.

[ANL/NDM-5]

PS

Physica Scripta

We found the missing: PS 5 58 1/72 Mattsson + Kr (n, γ)

Found in INIS - Retrieval
According to REF-sat, this journal seems to be covered up to
PS 5 5/72.

RFT

Reactor and Fuel Processing Technology

Untill Vol. 9 (1969), it was called as "Reactor Fuel Processing"

We found missing RFT 10 (1967) 271

A. De Volpi; Review Paper on $\bar{\nu}$

"Current Values of Fundamental Fission Parameters"

Since this journal mainly intends to assist those interested in keep abreast of important developments in the Fuel Processing, it will not be expected to see any more article to be indexed in the Cinda.

By 1971 this journal did not contain any relevant articles for Cinda.

Journals area 2

JNE

J. of Nucl. En.

Missing articles:

JNE 27 753 (1973) Moo + U-235 (n,f)

Np-237 "

Pu-239 "

[Rec. Ref. 1-4/74]

We found also the following articles missing:

JNE 1 (1954) 47 Holms + Delayed Neutron

JNE 4 (1957) 141 Fowler $\bar{\nu}$ of U-235

[Appendix L INDC(NDS)-54]

Otherwise, this journal seems to be regularly covered by 1 Oct. 1974.

JIN

J. of Inorg. Nucl. Chemistry

More missing articles have been found after Memo 4C-3/116. Many of them refer to Fission Yields.

The missing articles from 1960 (Vol.12) through 1974 (Vol.36, Nr. 12 Dec.) have meanwhile been covered by the NDS.

Inorg. Nucl. Chemistry Letter

This journal was not at all covered for Cinda.
(also no dictionary).

There are not so many relevant articles. But we found two articles from 1970 (Vol. 6) till 1974 (Vol. 10):

Vol. 6 747 (1970) Bomis + Isomer formation cross-section
PU-240 (n, γ), Pu-242 (n,2n)
Vol. 9 973 (1973) Tamai + U-235 Fiss. Prod. γ

JP/A

Journal of Physics, Part A (Mathematical, Nuclear, General Physics),
As mentioned in Memo 4C-3/116, the entire part of this journal has not
been covered for CINDA.

NDS just has made entries for the period between Jan. 1970 and Dec. 1974
(JP/A 1 to 7).

JPR

Journal de physique

Missing article:

JPR 35 895 (1974) Lejeune + Li-6(n,t)

Journal de physique - colloque

Missing entries:

JPR/C 33 C5 (1972)

Conférence Européenne de physique nucléaire,
Aix-en-Provence 26 Juin - 1 Juillet 1972.

page 19	Wagemans	U-235	(n,f)
" 20	Corvi +	U-235	(Res. Pars)
" 21	Plattard +	Np-237	(n,f)
" 23	Trochon +	Pu-239	Nu
" 25	Signarbieux +	Cf-252	Nu
" 28	Poitou +	Cf-252	Nu
" 31	Franz +	U-235	Fiss Yield
" 33	Knitter +	U-235	Spect Fiss n.

Otherwise this journal seems to be covered regularly since 1970.

JRC

J. of Radional. Chem.
jointly edited in Hungary and Switzerland.

By 1 October 1974 not covered at all for Cinda.

Previously assigned to area 2. Will now be scanned by NDS.

[Letter Lemmel to Tubbs 1974-12-11]

RCA

Radiochimica Acta

Besides gap which has been pointed out in Memo 4C-3/116, another gap was found incidentally:

RCA 9 187 (1968) Pu-239 Fiss Frag. spectra.

RRL

Radiochem. and Radioanal. Letters
Jointly edited in Hungary and Switzerland.

By 1 October 1974 not covered for Cinda.

Previously assigned to area 2. Will now be scanned by NDS.

[Letter Lemmel to Tubbs 1974-12-11]

R1: reports, area 1

AECL

One gap was encountered:

AECL-1434 (\equiv CRDC-1070), 1962, Durham + Fiss. Spect. averaged
Cross-Section.

[Appendix K INDC(NDS)-54]

LA -

Los Alamos reports

Some old articles are missing:

Segrè, LA-491 (1946) $\bar{\nu}$ of Pu-240
Carter + LA-1582 (1953) $\bar{\nu}$ of Pu-240

[Appendix L INDC(NDS)-54]

Also

East + LA-4605-MS (1970) Delayed neutron
" LA-4368-MS (1969) Delayed neutron

[ANL/NDM-5]

LASL-P-

Los Alamos Report

One article is missing. However no CINDA entry exist for this rather old series.

Martin LASL-P-3-76 (1954) $\bar{\nu}$ of Pu-240

[ANL/NDM-5]

R2: report, area 2
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AERE-R-

We found missing:

AERE-R-1912 (1956), by Johnstone (\bar{v} of Pu-240)
[Appendix L INDC(NDS)-54]

CEGB/RD/B/M-

(Cinda-code: RD/B/M-)

Berkeley, UK

This series of the Berkeley Nuclear labs, UK, was so far not entered at all.

We found missing:

CEGB/RD/B/M- 2453	of October 1972,	
CEGB/RD/B/M- 2669	of June 1973	
CEGB/RD/B/M- 2710	of January 1973	Tobias: Fiss. Product Yield
CEGB/RD/B/M- 2747	of July 1973	Davies: Fiss. Product Yield
	[NNCSC-NL 74-3]	
CEGB/RD/B/M- 1551	of January 1970	Davies: Fiss. Product Yield
	[CEGB/RD/B/M - 2747]	

IKE

Karlsruhe internal series

IKE-6-61/2 1/73 Keinert. THERM 123 - a library for thermal neutron cross sections.
(available from ZAED-KFK)

Found in INIS-Retrieval, but not checked for relevance.

This serie is not contained in EXFOR-dictionary.

JAERI-

The last entered issue of these series is JAERI-1220 4/72

We found the following issues missing:

JAERI-1228 7/73 Proceedings of the 3rd Seminar on neutron cross sections

(mostly reviews on cross sections of fissile nuclides)
Found in the computer retrieval of the INIS - Service.

JAERI-M-5536 1/74 Hasegawat U-235 (n,f), Pu-239 (n,f),
U-238 (n, γ) evaluation.

Found in computer retrieval of the INIS-Service.

KURRI-

Report from Kyoto Univer. Research Reactor Institute.

We found the following missing:

KURRI-6 1 9/73 Kobayashi + Np-237 (n,f) measurement

Found in computer retrieval of INIS-Service.

Of this series no entry is found in CINDA.

RCN-

Reactor Cent. Petten, Report.

RCN- 203 D/73 Proceedings of a Symposium at Petten, 22-25 May 1973:
"Nuclear Physics with thermal and resonance energy
neutrons".

This seems to be a gap, it was found in the INIS-Retrieval, but not checked for relevance. Generally, this series seems to be covered, a later entry (RCN-205) has been already entered in CINDA.

R4: Report area 4
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FEI

Obninsk Report

We found missing:

FEI-411 3/73 D'Jachnko Pu-241 (FRS and NU)

[X4 - 40204.002 and .003]

YK

Jadernya Konstanty (CJD)

Exfor 40135 contains the work by Nemilov et al on Al-27 (n, α) and (n,p) reported in YK-9 53 (1972). This reference was not entered in Cinda by 1 October 1974.

YK-9 was not systematically entered in Cinda, but a few incidental entries exist.

Entries existing of other issues of this series were mostly made by NDS, last issue scanned by NDS was YK-11 (April 1973).

After 1 October 1974 CJD submitted entries for YK-15 and YK-16, so that this series seems to be regularly scanned from now on. The coverage of some earlier issues must be checked !

And also missing articles are found:

YK-12 15 Jan.(1973) Balakshev U-233, PU-239 (NUD)
[X4-40209.002 to 40209.008]
YK-12 61 Jan.(1973) Nemilov Zr-90 (Np.)
[X4-40211.002]

C1: Conference, area 1

70 ANL

This is well covered. However there are a few articles still missing:

Page 437; Wiedling	Review Paper on Fission Neutron Spectra
" 481; Conde +	√ Result at the Inst. National Defence (Sweden)
	[Append. K+L INDC(NDS)-54]
and	
Page 42; Davis	n-p Cross Section (1.5 to 27.5 MeV) (Wisconsin)

62 LOSANG

Radiation Effects Symposium, Los Angeles 1962.

Missing entry:

62 LOSANG 133; Hogg + Fission Spect. Average Cross-Section
[INDC(NDS)-54 App. K]

We could not access this proceeding.

C3: Conference, area 3

62 HARWELL

This proceedings seems to be covered but not satisfactory.

The following are the missing examples:

Vol. 1 Page 589	Zijp : Fission Spect. averaged X-section
Vol. 2 Page 275	Nilson: "

[App. K INDC(NDS)-54]

Missing entries have meanwhile been prepared by NDS.

C4: Conference, area 4

71 KIEV

This Conference has been indexed in Cinda (though volume and page numbers are missing, and these should be added). The following paper was missing in Cinda as of 1 October 1974:

Ivanov et al, Vol. 1 p. 325, heavy elements, (n,γ) and $(n,2n)$.

Then it seems available to check the Cinda entries of this conference for completeness.