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March 8, 1946

This document contains 65 pages

RADIOCHEMISTRY OF THE FISSION PRODUCTS

Compiled by
L. Winsberg

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As is true in nearly all sections of the project we in the fission products groups at Chicago, Clinton, and Los Alamos have found the volume of reports so large that it is often very difficult to refer back to previous work. The purpose of this index is to provide ready access to any item in the large number of reports on the fission products.

This report is a continuation of the indexes published by C. D. Coryell in January, 1943, as CC-477 and by L. Winsberg in February, 1944, as CN-1505 and all the references therefrom are included here. The reports available in the document room at Los Alamos through the month of November, 1945, have been included in this index. We plan to bring this index completely up to date within the next several months.

A few things need to be mentioned:

1) For most of the reports issued before March, 1943, a letter follows the report number, e.g., CC-465-B. This letter refers to the section of the report which contains our work.

2) There are two parts to the report index. The first part is a listing of reports by the fission products groups and the second, entitled Other Reports, by groups not specifically assigned to a study of the fission products but which have on occasions done work of interest to fission product radiochemistry. All of these reports are included in the Subject Index.

3) The half-life, element, and mass assignments indicated for an activity are the latest values known and all work done on the activity is included under those values.

Criticism, suggestions, and corrections will be appreciated.

I wish to acknowledge with gratitude the cheerful assistance of Miss Anna Marie Moran and Miss Mary Wirz.

L. Winsberg
### Chemistry of the Fission Products

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CC-2176 R Nov 9
Direct calorimetric study of fission product decay in active slugs
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CC-2187 XR Nov 2
An investigation of the absorption cross section of Xe$^{135}$ for oile neutrons
(N. Elliott, J. D. Knight, T. F. Novey, E. Shaniro)

CN-2196 S-X Oct 1
Solubility of PiF$_4$ and uranyl phosphate in UNH solution
(G. R. Leader, Richter)

CN-2196 X Sept 15
Preparation of radioactive barium-lanthanum
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CL-CDC No 5 Dec 22
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CC-2218 X Jan 20
The interchange of radioactive iodine with carrier; a procedure for the quantitative separation of radioactive iodine from fission material
(L. E. Glendenin, R. P. Metcalf, T. B. Novey)

CC-2219 R-X Feb 1
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CC-2220 G-X Dec 27
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