Biology of the Transuranium Elements

An Indexed Bibliography

**Compiled by
Roy C. Thompson**

July 1976

**Prepared for the Energy Research
and Development Administration
under Contract E(45-1):1830**

Battelle
Pacific Northwest Laboratories

NOTICE

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the Energy Research and Development Administration, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights.

PACIFIC NORTHWEST LABORATORY
operated by
BATTELLE
for the
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION
Under Contract E(45-1)-1830

Printed in the United States of America
Available from
National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, Virginia 22151
Price Printed Copy \$8.75, Microfiche \$2.25

BNWL-2056
UC-48

BIOLOGY OF THE TRANSURANIUM ELEMENTS
AN INDEXED BIBLIOGRAPHY

compiled by
Roy C. Thompson

July 1976

BATTELLE
PACIFIC NORTHWEST LABORATORIES
RICHLAND, WASHINGTON 99352

INTRODUCTION

This bibliography is a revision of one issued in 1973 (BNWL-1782). It includes essentially all of the citations from the earlier document, a few corrections and additions from the older literature, plus the new literature to mid-1975. It also includes a subject-matter index not present in the original document.

Since the appearance of the first edition of this bibliography, outstanding bibliographic coverage of the transuranic elements, as they relate to the environment, has been provided in "Environmental Aspects of the Transuranics - A Selected Annotated Bibliography", published from the Ecological Sciences Information Center of Oak Ridge National Laboratory. Six volumes in this series have been published through 1975, including some 3,700 citations copiously indexed. With this data base in print, and accessible for computer searching, there might seem little reason for the publication of the present document, with fewer than 1,600 citations, and with no claim to kinship with any computer. There is, however, something to be said for a single volume, listing alphabetically by senior author, everything pertinent to a somewhat narrower field of interest than that covered in the Environmental Aspects of the Transuranics. That narrower field of interest, of course, reflects the personal interests and prejudices of the compiler.

The coverage and format of this bibliography remain as described in the first edition. "I have attempted to cover completely, the biological behavior and biological effect of the transuranium elements - "biological" being broadly interpreted to include behavior and effect within natural ecosystems and work locations as well as within discrete organisms. Borderline areas not covered, or represented only by selected articles of special interest, include: applications of transuranium elements where biological effects are not directly involved; monitoring, counting or analytical techniques where biological data are not presented; descriptions of chemical or physical properties where these are not reflected in biological behavior.

"In areas where complete coverage is attempted, this coverage extends only to publications in scientific and technical journals, books, and the published proceedings of scientific meetings. The document literature has been cited selectively, where there seemed reason to believe that the information would not later appear in a more accessible form. Thus, publications in recent periodic reports of major laboratories are not included, but reports from older documents are sometimes included when the information contained is not available elsewhere.

"The bibliographic form should be self-evident. A special effort has been made to reference translations of non-English articles, where such translations

exist. Each entry includes, where available, reference to an abstract journal, usually Nuclear Science Abstracts (NSA), but occasionally Abstracts of Declassified Documents (ADD), Biological Abstracts (BA), Plutonium Documentation (PD), or Environmental Aspects of Plutonium [or, the Transuranics] (EP).

"Associated with each bibliographic entry is a unique code, used in indexing. This code consists of two numbers indicating the year of publication, three letters identifying the senior author, and an additional number if necessary to identify different publications by the same author during the same year. The author code consists of the first three non-repeating letters of the last name; except, where necessary to avoid duplication, the last letter of the code may be derived from the initials of the first or second name, or simply chosen at random. The citations are therefore not always in strictly alphabetical order by code, but are sufficiently close that no difficulty should be encountered in locating a citation by code." While more cumbersome than an accession number, the utility of this code is apparent in index searches, where the code immediately indicates the year of publication, and, for the frequent user, will usually indicate the senior author.

Some familiarity with the plan of the index is required for its efficient use. This plan is completely defined by the list of Index Categories at the beginning of the index section. A more detailed explanation of index categories does not seem necessary. Where these categories are unambiguous, the indexing should be precise. Where the categories are to some degree subjective, the indexing will be correspondingly imprecise.

Some of the index categories may appear to be of marginal utility because of the very large number of entries, but they may still be useful when used in conjunction with other categories. Thus, one might seldom be interested in consulting all publications with data on excreta but one might use such a listing to isolate publications dealing with the excretion of americium by mice following exposure by inhalation. This type of cross-referencing is facilitated by a matrix type of sub-categorization in some of the broader categories.

While some errors will undoubtedly have crept into this compilation, I believe they are few in number. Credit for this achievement must go in large measure to my secretary, Judith Rising, who has been responsible for all clerical work on the bibliography over the past five years, and who typed the manuscript; and also to Patricia Bresina who assisted in the formidable task of proofreading.

As noted in the earlier edition, I would appreciate suggestions concerning any aspect of the presentation or coverage, and would also appreciate receiving reprints of future publications in the field.

R. C. Thompson

AARKROG, A. Radio-ecological investigations [Thule incident] USAF Nuclear Safety <u>65</u> , (Part 2), Spec. Edition AFRP 122-1, 74-79 (1970) EP 470	70-ARK
AARKROG, A. Radioecological investigations of plutonium in an arctic marine environment Health Phys. <u>20</u> , 31-47 (1971) NSA <u>25</u> , 21640	71-ARK
AARKROG, A. Re-examination of plutonium at Thule, Greenland, in 1970 In: Proceedings of International Symposium on Radioecology Applied to the Protection of Man and His Environment (Doc. EUR-4800) 1213-1219 (1972) NSA <u>27</u> , 5286	72-ARK
AARKROG, A. See also: 70-GJO	
ABRAMS, R. Retention of inhaled plutonium In: Report of Conference on Plutonium (J. J. Nickson, ed., Doc. CN-3167) 10-11 (1945) EP <u>S3</u> , 289	45-ABR
ABRAMS, R., H. C. Seibert, L. Forker, D. Greenberg, H. Lisco L. O. Jacobson and E. L. Simmons Acute toxicity of intubated plutonium Doc. CH-3875, 56 p. (1946) NSA <u>10</u> , 8757	46-ABR
ABRAMS, R., H. C. Seibert, A. M. Potts, L. L. Forker, D. Greenberg, S. Postel and W. Lohr Metabolism and distribution of inhaled plutonium in rats Doc. MDDC-677, 30 p. (1947) ADD <u>1</u> , 677	47-ABR
ACKERMAN, T. L. See: 73-ROM	
ADAMS, W. H., and E. B. Fowler Plutonium-238 incorporated in fish living in water containing ²³⁸ Pu-labeled PuO ₂ Doc. LADC 12899, 8 p. (1970) EP 416	70-ADM
ADAMS, W. H., J. R. Buchholz, C. W. Christenson, G. L. Johnson and E. B. Fowler Studies of plutonium, americium, and uranium in environmental matrices Doc. LA-5661, 24 p. (1975) NSA <u>31</u> , 14430	75-ADM
ADAMS, W. H. See also: 71-BUJ, 68-FOW	
ADEE, R. R., C. L. Sanders and J. D. Berlin Subcellular localization and identification of alpha emitters by electron microscopic autoradiography Health Phys. <u>15</u> , 461-463 (1968) NSA <u>23</u> , 4889	68-ADE
ADEE, R. R., and J. J. Laidler Subcellular identification of exogenous particles by high- voltage electron microscopy Amer. Ind. Hyg. Ass. J. <u>34</u> , 507-511 (1973) NSA <u>29</u> , 8100	73-ADE
ADEE, R. R. See also: 68-SAN-2, 69-SAN, 70-SAN-5, 71-SAN	
AL-BEDRI, M. B., and S. J. Harris Dose-equivalent rate in the basal layer of the skin from ²⁴¹ Am alpha particles Health Phys. <u>28</u> , 816-818 (1975) NSA <u>32</u> , 17468	75-ALM

ALBERT, R. E. A critique of the Tamplin-Cochran proposal for revision of the current plutonium exposure standards In: Doc. WASH-1359, 311-327 (1974)	74-ALB
ALDERHOUT, J., and W. Hunzinger Case of ^{239}Pu inhalation In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 259-271 (1971) NSA <u>25</u> , 37832	71-ALD
ALDERHOUT, J. Bio-assay results of a case of plutonium inhalation In: Assessment of Radioactive Contamination in Man (International Atomic Energy Agency, Vienna) 635-640 (1972) NSA <u>26</u> , 56507	72-ALD
ALEKSAKHIN, R. M. Radioactive Contamination of Soil and Plants, Publishing House of the Academy of Sciences, Moscow, 132 p. (1963) translated in AEC-tr-6631 NSA <u>18</u> , 12358 EP <u>S1</u> , 289	63-ALE
ALLEN, I. B. See: 67-LAG	
ALLKOFER, O. C., J. M. Fox and H. Hanser Analysis of the alpha-emitting radionuclides from radioactive fallout by alpha spectroscopy (in German) Atomkernenergie <u>13</u> , 39-44 (1968) NSA <u>22</u> , 8224	68-ALK
ALMOND, P. R. See: 73-CAJ	
ALOUSH, A. A. See: 72-MOQ	
ALVAREZ-RAMIS, C., and A. Gregorides de los Santos Contamination of terrestrial gastropods living in a biological medium with a low level of alpha contamination due to plutonium and uranium In: Symposium International de Radioecologie. Vol. II. (Commissariat a l'Energie Atomique, Fontenay-aux-Roses, France) 961-982 (1970) translated in LA-tr-74-11 NSA <u>24</u> , 41867	70-ALV
ALVAREZ-RAMIS, C. See also: 68-FOW	
ANDELMAN, J. B., and T. C. Rozzell Plutonium in the water environment. I. Characteristics of aqueous plutonium In: Radionuclides in the Environment (American Chemical Society, Advances in Chemistry No. 93) 118-137 (1970) NSA <u>26</u> , 17735	70-AND
ANDERSEN, B. V. Plutonium aerosol particle size distributions in room air Health Phys. <u>10</u> , 899-907 (1964) NSA <u>18</u> , 29878	64-ANB
ANDERSEN, B. V., and I. C. Nelson Measurement of plutonium aerosol parameters for application to respiratory tract models In: Instruments and Techniques for the Assessment of Airborne Radioactivity in Nuclear Operations (International Atomic Energy Agency, Vienna) 185-199 (1967) NSA <u>21</u> , 32635	67-ANB
ANDERSEN, B. V. See also: 72-BRP, 71-HEI, 72-JEC	

ANDERSON, E. C., L. M. Holland, J. R. Prine and C. R. Richmond 74-ANE
 Lung irradiation with static plutonium microspheres
 In: Experimental Lung Cancer. Carcinogenesis and Bioassays
 (E. Karbe and J. F. Park, eds., Springer-Verlag, Berlin)
 430-442 (1974) NSA 31, 15989

ANDERSON E. C. See also: 74-HEA-2

ANDERSON, H. F., W. E. Sheehan, J. R. Mann and R. W. Bistline 70-ANH
 Evaluation of accidental personnel exposure to plutonium-238.
 Whole body counting and bioassay results
 Health Phys. 18, 631-639 (1970) NSA 24, 48546

ANDERSON, H. F. See also: 72-EDL-2

ANDREEVA, N. A. See: 74-KHO

ANNO, G. H., and C. R. Easton 68-ANO
 Population exposure risk from random re-entry of isotopic
 power devices
 In: Nucleonics in Aerospace (P. Polishuk, ed., Plenum Press,
 New York) 130-137 (1968) NSA 22, 38293

ANSPAUGH, L. R., P. L. Phelps, N. C. Kennedy and H. C. Booth 73-ANS
 Wind-driven redistribution of surface-deposited radioactivity
 In: Environmental Behavior of Radionuclides Released in the
 Nuclear Industry (International Atomic Energy Agency, Vienna)
 167-184 (1973) NSA 29, 29334

ANSPAUGH, L. R., J. H. Shinn and D. W. Wilson 74-ANS
 Evaluation of the resuspension pathway toward protective
 guidelines for soil contamination with radioactivity
 In: Population Dose Evaluation and Standards for Man and
 His Environment (International Atomic Energy Agency, Vienna)
 513-524 (1974) NSA 31, 19555

ANTONCHENKO, G. P., N. A. Koshurnikova and E. R. Lyubchanskii 69-ANT
 Morphological changes in the lungs of rats after inhalation of
 large doses of soluble ^{239}Pu compounds
 Radiobiologiya 9, 75-80 (1969) translated in AEC-tr-7024, 97-104
 NSA 23, 24727

ARISTOV, V. P. 72-ARI
 Ultrastructure of the alveolar-capillary barrier in rats
 following single inhalation of plutonium 239 citrate
 In: Biological Effects of Radiation from External and Internal
 Sources (Y. I. Moskalev and V. S. Kalistratova, eds.,
 Meditsina, Moscow) 257-265 (1972) translated in AEC-tr-7457,
 381-390 NSA 30, 9967 EP 5, 4

ARISTOV, V. P. See also: 72-KOS, 73-KOS

ARKHANGELSKAYA, G. V. See: 74-LIK

ARNOLD, J. S. 51-ARN
 Exhibit of radioautographs of uranium 233 in bone and soft
 tissue
 Doc. AECD-3176, 17 p. (1951) EP S2, 113

ARNOLD, J. S. 51-ARN-2
 Radioautography
 Doc. AECD-3191, 4 p. (1951) EP S2, 110

- ARNOLD, J. S. 56-ARN
Some observations on plutonium and radium in bone
In: Therapy of Radioelement Poisoning (M. W. Rosenthal, ed.,
Doc. ANL-5584) 131-143 (1956) EP S2, 199
- ARNOLD, J. S., and W. S. S. Jee 57-ARN
Bone growth and osteoclastic activity as indicated by radio-
autographic distribution of plutonium
Am. J. Anat. 101, 367-417 (1957) BA 34, 7610
- ARNOLD, J. S., and W. S. S. Jee 59-ARN
Autoradiography in the localization and radiation dosage of
 Ra^{226} and Pu^{239} in the bones of dogs
Lab. Invest. 8, 194-204 (1959) BA 33, 39989
- ARNOLD, J. S., and W. S. S. Jee 62-ARN
Pattern of long-term skeletal remodeling revealed by radio-
autographic distribution of Pu^{239} in dogs
Health Phys. 8, 705-707 (1962) NSA 17, 10329
- ARNOLD, J. S., and C. T. Wei 72-ARN
Quantitative morphology of vertebral trabecular bone
In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee,
eds., J. W. Press, Salt Lake City) 333-354 (1972)
- ARNOLD, J. S. See also: 60-JEW, 60-JEW-2, 61-JEW, 62-JEW-2,
62-JEW-3
- ASIMACOPOULOS, P. J. See: 73-NOM
- ASLING, C. W., and G. Thilo 52-ASL
Radioautographic studies of the pulmonary deposition of
plutonium aerosols
Doc. AECD-3448, 34-47 (1952) EP S2, 119
- ASLING, C. W., J. G. Hamilton, D. Axelrod-Heller and B. J. Louie 52-ASL-2
Localization of certain alkaline and rare earth elements in the
costochondral junction of the rat
Anat. Rec. 113, 285-300 (1952) BA 27, 1098
- ATHERTON, D. R., and R. D. Lloyd 72-ATH
Distribution and retention of ^{249}Cf in beagle soft tissue
Health Phys. 22, 675-677 (1972) NSA 26, 38780
- ATHERTON, D. R. See also: 69-BRU-2, 72-BRU, 70-LOR, 72-LOR-2, 74-LOR,
75-LOR, 69-MAY, 59-STB-2, 62-STB, 62-STB-2, 68-STB,
69-STB, 71-STB, 72-STB-3, 72-STB-4, 74-STB, 75-STW,
74-TAG
- ATKINS, H. L., R. G. Fairchild and J. S. Robertson 70-ATK
Comparison of irradiation by ^{252}Cf and radium on the skin of
swine
Radiology 96, 161-165 (1970) NSA 24, 39574
- ATKINS, H. L., R. G. Fairchild and J. S. Robertson 72-ATK
Dose-rate effects on RBE of californium and radium reactions
of pig skin
Radiology 103, 439-442 (1972) NSA 26, 38697
- ATKINS, H. L., R. G. Fairchild and R. M. Drew 73-ATK
Biological properties of ^{252}Cf
Amer. J. Roentgenol., Radium Ther. Nuc1. Med. 117, 704-710
(1973) NSA 27, 24921
- ATKINS, H. L. See also: 72-DRM, 69-FAI, 70-FAI, 70-FAI-2, 73-FAI

AUDREN, M. L. See: 64-JEA

AUERBACH, S. I. See: 60-OLS

AXELROD, D. J. See: 52-ASL-2, 47-COP, 46-SCK-2, 48-SCK, 48-SCK-2,
49-SCK, 49-SCK-2

BAINS, M. E. D. See: 70-RAM

BAIR, W. J., and F. P. Hungate 58-BAI
 Chemical toxicity of plutonium in yeast
 In: Doc. HW 47500, 195-200 (1958) NSA 13, 9553 EP 565

BAIR, W. J. 60-BAI
 Radioisotope toxicity: From pulmonary absorption
 In: Radioisotopes in the Biosphere (R. S. Caldecott and L. A. Snyder, eds., Univ. of Minnesota) 431-448 (1960)
 NSA 14, 23888

BAIR, W. J., D. H. Willard and L. A. Temple 61-BAI
 Plutonium inhalation studies. I. The retention and translocation of inhaled $\text{Pu}^{239}\text{O}_2$ particles in mice
 Health Phys. 7, 54-60 (1961) NSA 16, 8504

BAIR, W. J., and B. J. McClanahan 61-BAI-2
 Plutonium inhalation studies II. Excretion and translocation of inhaled $\text{Pu}^{239}\text{O}_2$ dust
 Arch. Environmental Health 2, 648-655 (1961) NSA 15, 21964

BAIR, W. J., and D. H. Willard 61-BAI-3
 Plutonium inhalation studies IV. Mortality in dogs after inhalation of $\text{Pu}^{239}\text{O}_2$
 Doc. HW-68803, 24 p. (1961) NSA 15, 24658

BAIR, W. J. 61-BAI-4
 Deposition, retention, translocation and excretion of radioactive particles
 In: Inhaled Particles and Vapours (C. N. Davies, ed., Pergamon Press, New York) 192-207 (1961) NSA 15, 28979

BAIR, W. J., and A. C. Case 61-BAI-5
 Preliminary studies of inhaled dust containing neptunium-237
 Doc. HW-70949, 21 p. (1961) NSA 16, 7383

BAIR, W. J., and D. H. Willard 62-BAI
 Plutonium inhalation studies IV. Mortality in dogs after inhalation of $\text{Pu}^{239}\text{O}_2$
 Radiat. Res. 16, 811-821 (1962) NSA 16, 21886

BAIR, W. J., A. D. Wiggins and L. A. Temple 62-BAI-2
 The effect of inhaled $\text{Pu}^{239}\text{O}_2$ on the life span of mice
 Health Phys. 8, 659-663 (1962) NSA 17, 10323

BAIR, W. J., D. H. Willard, J. P. Herring and L. A. George, II 62-BAI-3
 Retention, translocation and excretion of inhaled $\text{Pu}^{239}\text{O}_2$
 Health Phys. 8, 639-649 (1962) NSA 17, 10321

BAIR, W. J., and D. H. Willard 63-BAI
 Plutonium inhalation studies. III. Effect of particle size and total dose on deposition, retention and translocation
 Health Phys. 9, 253-266 (1963) BA 44, 17527

BAIR, W. J., E. G. Tombropoulos and J. F. Park 63-BAI-2
 Distribution and removal of transuranic elements and cerium deposited by the inhalation route
 In: Diagnosis and Treatment of Radioactive Poisoning (International Atomic Energy Agency, Vienna) 319-344 (1963)
 NSA 17, 2769

BAIR, W. J., B. O. Stuart, J. F. Park and W. J. Clarke Factors affecting retention, translocation and excretion of radioactive particles In: Radiological Health and Safety in Mining and Milling of Nuclear Materials, Vol. I (International Atomic Energy Agency, Vienna) 253-274 (1964)	64-BAI
BAIR, W. J., J. F. Park and W. J. Clarke Long-term study of inhaled plutonium in dogs Doc. AFWL-TR-65-214, 58 p. (1966) NSA <u>20</u> , 31025	66-BAI
BAIR, W. J., and J. F. Park Comparative disposition of four types of plutonium dioxides inhaled by dogs In: Proceedings of the First International Congress of Radiation Protection, Pt. 1 (W. S. Snyder, et al., eds., Pergamon Press, Oxford) 181-197 (1968) NSA <u>20</u> , 45273	68-BAI
BAIR, W. J., and V. H. Smith Radionuclide contamination and removal Prog. Nucl. Energy, Ser. XII, <u>2</u> , 157-223 (1969) PD <u>4</u> , 1681	69-BAI
BAIR, W. J. Inhalation of radionuclides and carcinogenesis In: Inhalation Carcinogenesis (M. G. Hanna, Jr., et al., eds., Doc. CONF-691001) 77-101 (1970) NSA <u>24</u> , 27703	70-BAI
BAIR, W. J. Toxicology of inhaled plutonium In: Proceedings of the 11th AEC Air Cleaning Conference, Richland, WA, 1970 (M. W. First and J. M. Morgan, Jr., eds., Doc. CONF-700816, Vol. 2) 697-720 (1970) NSA <u>25</u> , 21836	70-BAI-2
BAIR, W. J. Toxicity of inhaled plutonium (in Japanese) Hoshasen Kagaku <u>13</u> , 217-221 (1970) NSA <u>25</u> , 26599	70-BAI-4
BAIR, W. J. (Chmn.), G. C. Butler, G. W. Dolphin, A. K. Ganguly, H. Jacobs, J. Lafuma, O. Matsuoka and V. P. Shamov Detection and Assessment of Uranium and Plutonium in the Whole Body and in the Critical Organs, International Atomic Energy Agency, Vienna (1970)	70-BAI-5
BAIR, W. J. Toxicology of inhaled plutonium: Experimental animal studies In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 145-185 (1971) NSA <u>25</u> , 23989	71-BAI
BAIR, W. J., J. E. Ballou, J. F. Park and C. L. Sanders Plutonium in soft tissues with emphasis on the respiratory tract In: Uranium-Plutonium-Transplutonic Elements (H. C. Hodge, J. N. Stannard and J. B. Hursh, eds., Springer-Verlag, New York) 503-568 (1973) PD <u>8</u> , 1021	73-BAI
BAIR, W. J., and R. C. Thompson Plutonium: Biomedical research Science <u>183</u> , 715-722 (1974) NSA <u>29</u> , 21229	74-BAI
BAIR, W. J. Toxicology of plutonium Advan. Radiat. Biol. <u>4</u> , 255-315 (1974) NSA <u>32</u> , 22658	74-BAI-2

BAIR, W. J., C. R. Richmond and B. W. Wachholz 74-BAI-3
 A radiobiological assessment of the spatial distribution of
 radiation dose from inhaled plutonium
 Doc. WASH-1320, 47 p. (1974) NSA 31, 3756

BAIR, W. J., D. H. Willard, I. C. Nelson and A. C. Case 74-BAI-4
 Comparative distribution and excretion of ^{237}Pu and ^{239}Pu nitrates
 in beagle dogs
 Health Phys. 27, 392-396 (1974) NSA 31, 6379

BAIR, W. J. 74-BAI-5
 Biological effects of transuranium elements in experimental animals
 (part of AEC presentation at EPA Plutonium Standards Hearings,
 December 10-11, 1974)
 In: Doc. WASH-1359, 171-229 (1974) NSA 31, 16857

BAIR, W. J. 74-BAI-6
 Considerations in assessing the potential harm to populations exposed
 to low levels of plutonium in air
 In: Population Dose Evaluation and Standards for Man and His
 Environment, International Atomic Energy Agency, Vienna, 435-449
 (1974) NSA 29, 13014

BAIR, W. J. 74-BAI-7
 Consideration of reactor accident exposure guides for plutonium
 In: Proceedings of the Fast Reactor Safety Meeting, Doc. CONF-
 740401-P1 NSA 30, 7140

BAIR, W. J. See also: 62-BAL-2, 72-BUS, 64-CLA, 64-CLA-2, 65-CLA,
 66-CLA, 62-PAR, 64-PAR, 65-PAR, 69-PAR, 72-PAR, 70-SAN-2,
 70-SAN-3, 68-STU, 70-STU, 59-TEM, 60-TEM, 58-THO, 72-THO,
 72-THO-2, 63-TOM, 64-WES

BAISOGOLOV, G. D., and V. N. Podgorodetskaya 64-BAD
 Hematopoiesis in dogs during subacute intoxication induced by
 plutonium-239
 In: Distribution, Biological Effects, and Rapid Excretion of
 Radioactive Isotopes (Y. I. Moskaev, ed., Meditsina, Moscow)
 225-229 (1964) translated in AEC-tr-7590, 238-242 NSA 19,
 40379

BAISOGOLOV, G. D. See also: 64-PL0

BAKER, D. A. See: 73-SOL

BAKER, T. P., Jr., B. B. Boecker and J. L. Dick 58-BAK
 Aircraft accidents involving plutonium contamination
 Doc. AFSWC-TN-58-3, 13 p. (1958) NSA 15, 26386 EP 732

BALABUKHA, V. S., and G. Y. Fradkin 58-BAV
 Accumulation of Radioactive Elements in the Organism and Their
 Elimination (in Russian), Medgiz, Moscow, 182 p. (1958)
 NSA 13, 17756

BALLADA, J. 67-BAJ
 Analytic determination of plutonium in the environment
 (in French)
 Doc. CEA-R-3220, 157 p. (1967) NSA 22, 1945

BALLADA, J. See also: 71-JEA

BALLOU, J. E., and W. D. Oakley 57-BAL
 Absorption and decontamination of plutonium on rats
 In: Doc. HW-47500, 142-145 (1957) EP 53, 40

BALLOU, J. E. Effects of age and mode of ingestion on absorption of plutonium Proc. Soc. Exptl. Biol. Med. <u>98</u> , 726-727 (1958) NSA <u>12</u> , 16918	58-BAL
BALLOU, J. E. Wound decontamination with EDTA In: Doc. HW-69500, 111-113 (1961) NSA <u>15</u> , 27364	61-BAL
BALLOU, J. E., L. A. George II and R. C. Thompson The combined toxic effects of plutonium plus x-ray in rats Health Phys. <u>8</u> , 581-587 (1962) NSA <u>17</u> , 10318	62-BAL
BALLOU, J. E., W. J. Bair, A. C. Case and R. C. Thompson Studies with neptunium in the rat Health Phys. <u>8</u> , 685-688 (1962) NSA <u>16</u> , 30196	62-BAL-2
BALLOU, J. E. Preliminary evaluation of several chelating agents for plutonium removal Health Phys. <u>8</u> , 731-734 (1962) NSA <u>17</u> , 10334	62-BAL-3
BALLOU, J. E. Removal of deposited plutonium by triethylenetetramine hexaacetic acid Nature <u>193</u> , 1303-1304 (1962) NSA <u>16</u> , 14436	62-BAL-4
BALLOU, J. E. Distribution and retention of plutonium-239 and neptunium-237 in the rat adrenal Radiat. Res. <u>22</u> , 81-94 (1964) NSA <u>18</u> , 23221	64-BAL
BALLOU, J. E., and J. L. Palotay Oral therapy for deposited plutonium Health Phys. <u>12</u> , 895-899 (1966) NSA <u>20</u> , 35213	66-BAL
BALLOU, J. E., R. C. Thompson, W. J. Clarke and J. L. Palotay Comparative toxicity of ^{238}Pu and ^{239}Pu in the rat Health Phys. <u>13</u> , 1087-1092 (1967) NSA <u>21</u> , 45544	67-BAL
BALLOU, J. E., and J. O. Hess Biliary plutonium excretion in the rat Health Phys. <u>22</u> , 369-372 (1972) NSA <u>26</u> , 23201	72-BAL
BALLOU, J. E., J. F. Park and W. G. Morrow Metabolic equivalence of ingested, injected and inhaled ^{239}Pu citrate Health Phys. <u>22</u> , 857-862 (1972) NSA <u>26</u> , 38799	72-BAL-2
BALLOU, J. E. See also: 72-BAI, 73-BAI, 72-HUF, 57-NEF, 61-SMV, 56-WEK	
BAMBERG, S. A. See: 73-ROM	
BANKERT, L. See: 71-CUM	
BARBER, A. J. See: 46-SCK-2	
BARR, N. F. Assessment of potential health consequences of transuranium elements In: Population Dose Evaluation and Standards for Man and His Environment (International Atomic Energy Agency, Vienna) 451-492 (1974) NSA <u>31</u> , 20083	74-BAN

BARRON, E. S. G., and J. Muntz Studies on the mechanism of Pu intoxication In: Doc. CN-2786, 4-7 (1945) EP <u>5</u> , 355	45-BAR
BARRON, E. S. G. Metabolism of tissues of plutonium treated rats In: Report of Conference on Plutonium (J. J. Nickson, ed., Doc. CN-3167) 12-15 (1945) EP <u>S3</u> , 290	45-BAR-2
BARRON, E. S. G. See also: 47-MUN, 45-RUE	
BARTLEY, M. H. See: 69-JEW	
BARTON, C. J. Hazard of dispersed plutonium particles Nucl. Safety <u>7</u> , 468-473 (1966) NSA <u>20</u> , 45988	66-BAC
BASSETT, S. H. See: 50-LAN	
BATES, T. H. See: 64-SMH, 65-SMH	
BAUM, J. W. See: 58-ROE	
BAUMGARTNER, W. V. See: 68-LAR	
BAXTER, D. W., and M. F. Sullivan Gastrointestinal absorption and retention of plutonium chelates Health Phys. <u>22</u> , 785-786 (1972) NSA <u>26</u> , 38792	72-BAX
BAXTER, D. W., M. W. Rosenthal, J. J. Russell, E. Moretti, D. Chladek and A. Lindenbaum Comparison of monomeric and polymeric plutonium in the dog and mouse Radiat. Res. <u>54</u> , 556-565 (1973) NSA <u>28</u> , 15813	73-BAX
BAXTER, D. W., M. W. Rosenthal and A. Lindenbaum Decorporation of monomeric plutonium from the dog by glucan and/or DTPA Radiat. Res. <u>55</u> , 144-152 (1973) NSA <u>28</u> , 21828	73-BAX-2
BAXTER, D. W. See also: 72-HUF	
BAY, R. C. See: 55-DOJ	
BEACH, S. A., and G. W. Dolphin Determination of plutonium body burdens from measurements of daily urine excretion In: Assessment of Radioactivity in Man, Vol. 2 (International Atomic Energy Agency, Vienna) 603-616 (1964) NSA <u>18</u> , 33267	64-BEA
BEACH, S. A., G. W. Dolphin, K. P. Duncan and H. J. Dunster Basis for routine urine sampling of workers exposed to ²³⁹ Pu Health Phys. <u>12</u> , 1671-1682 (1966) NSA <u>21</u> , 18061	66-BEA
BEACH, S. A. SEBEACH, a digital computer program for the estimation of body content of plutonium from urine data Health Phys. <u>24</u> , 9-16 (1973) NSA <u>27</u> , 7795	73-BEA
BEAMER, J. L. See: 68-SMV, 74-SUL	
BELYAEV, Y. A. The physico-chemical state of plutonium (Pu ²³⁹) in the blood upon its intravenous administration (in Russian) Med. Radiol. <u>4</u> (9), 45-51 (1959) NSA <u>14</u> , 1336	59-BEL

<p>BELYAEV, Y. A. The influence of the calcium disodium salt of diaminocyclohexane-tetra-acetic acid on plutonium metabolism in rats Med. Radiol. 5(2), 54-58 (1960) translated in JPRS-5078, 131-141 NSA 14, 12512</p>	60-BEL
<p>BELYAEV, Y. A. The use of ion-exchange resins for the removal of plutonium from the gastrointestinal tract Med. Radiol. 5(3), 44-47 (1960) translated in JPRS-5124, 110-116 NSA 14, 13572</p>	60-BEL-2
<p>BELYAEV, Y. A. Possible ways of influencing the elimination of plutonium from the animal organism In: Biological Effects of Radiation and Problems of Radioactive Isotope Distribution (A. V. Lebedinskii and Y. I. Moskaev, eds., Atomizdat, Moscow) 182-189 (1961) translated in AEC-tr-5265, 180-187 NSA 16, 9919 EP S2, 296</p>	61-BEL
<p>BELYAEV, Y. A., V. V. Konstantinova and N. I. Elkina Plutonium distribution in rabbits In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow) 7-11 (1962) translated in FTD-TT-63-559, 1-7 NSA 17, 30269</p>	62-BEL
<p>BELYAEV, Y. A., N. I. Elkina, V. V. Konstantinova and I. A. Tseveleva Toxicologic properties of sodium plutonyl triacetate and its distribution in the rat body In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow) 19-22 (1962) translated in FTD-TT-63-559, 19-24 NSA 17, 30271</p>	62-BEL-2
<p>BELYAEV, Y. A. Chemical forms of plutonium (Pu^{239}) in the liver and spleen of the rat In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow) 45-51 (1962) translated in FTD-TT-63-559, 58-69 NSA 17, 30275</p>	62-BEL-3
<p>BELYAEV, Y. A. Effect of ion exchange resins and complexons on distribution of plutonium introduced into the gastrointestinal tract In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow) 151-155 (1962) translated in FTD-TT-63-559, 230-236; and in JPRS-16900, 66-74 NSA 17, 12105</p>	62-BEL-4
<p>BELYAEV, Y. A. Effect of some complexons on plutonium removal in rats In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow) 156-161 (1962) translated in FTD-TT-63-559, 237-245; and in JPRS-16900, 75-86 NSA 17, 12106</p>	62-BEL-5
<p>BELYAEV, Y. A. Comparative effectiveness of some complexants in removing ^{239}Pu from animal organs Radiobiologiya 4, 760-763 (1964) translated in AEC-tr-6408, 125-128 NSA 19, 6975</p>	64-BEL

BELYAEV, Y. A., and V. K. Lemberg 64-BEL-2
 Effectiveness of DTPA after intratracheal administration of
 plutonium to rats
 In: Distribution, Biological Effects, and Rapid Excretion of
 Radioactive Isotopes (Y. I. Moskaev, ed., Meditsina, Moscow)
 343-347 (1964) translated in AEC-tr-7590, 361-366 NSA 19, 40346

BELYAEV, Y. A. 64-BEL-3
 Oral administration of some complexing agents to remove
 plutonium from rats
 In: Distribution, Biological Effects and Rapid Excretion of
 Radioactive Isotopes (Y. I. Moskaev, ed., Meditsina, Moscow)
 338-342 (1964) translated in AEC-tr-7590, 356-360 NSA 19, 40345

BELYAEV, Y. A. 69-BEL
 Americium-241 distribution in rats and the effect of complexing
 substances on its elimination
 In: Radioactive Isotopes and the Body (Y. I. Moskaev, ed.,
 Meditsina, Moscow) (1969) translated in AEC-tr-7195, 168-174
 NSA 25, 23967

BELYAEV, Y. A. See also: 68-BUK

BENNETT, B. G. 74-BEG
 Fallout ^{239}Pu dose to man
 In: Doc. HASL-278, I-41 - I-63 (1974)

BENNETT, B. G. 74-BEG-2
 Fallout $^{239,240}\text{Pu}$ in diet
 In: Doc. HASL-286, I-36 - I-52 (1974) EP 6, 300

BENNETT, G. B. 74-BEG-3
 Environmental pathways of transuranic elements (part of AEC
 presentation at EPA Plutonium Standards Hearings, December
 10-11, 1974)
 In: Doc. WASH-1359, 131-152 (1974) NSA 31, 16540

BENO, M. 68-BEM
 A study of 'hemosiderin' in the marrow of the femur of normal
 young adult rabbits compared with that in rabbits 4 months
 after an intravenous injection of $^{239}\text{Pu}(\text{NO}_3)_4$
 Brit. J. Haematol. 15, 487-493 (1968) NSA 23, 33636

BENSON, R. E. See: 68-ODL-2

BENSTED, J. P. M., D. M. Taylor and F. D. Sowby 65-BEN
 The carcinogenic effects of ^{241}Am and ^{239}Pu in the rat
 Brit. J. Radiol. 38, 920-925 (1965) NSA 20, 5321

BENSTED, J. P. M., and D. M. Taylor 69-BEN
 A comparison of the carcinogenic effects of the bone-seeking
 nuclides, ^{241}Am and ^{239}Pu
 In: Symposium Ossium (A. M. Jelliffe and B. Strickland, eds.,
 Livingstone, London) 211-214 (1969) NSA 25, 24374

BENSTED, J. P. M. See also: 69-TAY-2

BERGER, R., R. Boucher, B. Jampsin and C. Devillers 71-BER
 ^{238}Pu sources for cardiac pacemakers (in French)
 In: Radiation Protection Problems Relating to Transuranium Elements,
 Doc. EUR-4612, 115-141 (1971) NSA 25, 37816

BERGSTRAND-JINKINS, P. See: 61-FIN

- BERLIN, J. D., and D. D. Mahlum 70-BEJ
Comparative morphologic and functional studies of neptunium-
induced fatty livers in rats
Lab. Invest. 22, 252-259 (1970) NSA 24, 23092
- BERLIN, J. D. See also: 68-ADE
- BERLINER, D. L., M. L. Berliner and T. F. Dougherty 62-BED
The effects of chronic irradiation by internally deposited
radionuclides on corticosteroid biosynthesis
In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al.,
eds., Pergamon Press, New York) 179-186 (1962) NSA 17, 19894
- BERLINER, D. L., W. Stevens, C. J. Nabors, Jr., and R. E. Maxwell 69-BED
Biochemical changes induced by internally deposited radionuclides
in beagle dog blood: A statistical study
In: Delayed Effects of Bone-Seeking Radionuclides (C. W. Mays,
et al., eds., Univ. of Utah Press, Salt Lake City) 471-488 (1969)
NSA 23, 38795
- BERLINER, D. L. See also: 68-ELI, 65-RUH, 64-STW, 67-STW
- BERLINER, M. L. See: 62-BED
- BERRY, R. J., G. D. Oliver, Jr., D. L. George, J. Werner 73-BEY
and J. T. Brennan
Survival of murine leukaemia cells exposed to ^{252}Cf neutrons
under conditions simulating implantation of those sources into
tissue in radiotherapy
Brit. J. Radiol. 46, 996-1004 (1973) NSA 29, 24488
- BEVAN, J. S., and A. K. M. M. Haque 68-BEV
Some speculations on the carcinogenic effect of inhaled alpha-
active material
Phys. Med. Biol. 13, 105-112 (1968) NSA 22, 28680
- BILKIEWICZ, J. See: 71-JAW, 73-JAW, 73-JAW-2
- BISKIS, B. O. See: 61-FIN, 62-FIN, 68-FIN
- BISTLINE, R. W., R. L. Watters, and J. L. Lebel 72-BIS
Study of translocation dynamics of plutonium and americium from
simulated puncture wounds in beagle dogs
Health Phys. 22, 829-831 (1972) NSA 26, 38796
- BISTLINE, R. W. 73-BIS
Translocation dynamics of ^{239}Pu -plutonium
Thesis, Colorado State University, Doc. C00-1787-20, 155 p.
(1973) NSA 29, 13052
- BISTLINE, R. W. See also: 70-ANH, 74-GOM
- BLACKBURN, K. E. See: 68-ODL
- BLAIR, H. A. 64-BLA
The shortening of life span by a single injection of radium,
plutonium, or polonium
Radiat. Res., Suppl. 5, 216-227 (1964) NSA 19, 2056
- BLAIR, H. A. 68-BLA
Radiation dose-time relations for induction of bone tumors in
the dog and skin tumors in the rat
Radiat. Res. 34, 501-522 (1968) NSA 22, 47581

- BLAIR, H. A. 72-BLA
Radiation dose-time relations for induction of osteosarcoma
in mice and dogs and their bearing on maximal permissible burden
of ^{90}Sr in man
Health Phys. 23, 759-765 (1972) NSA 27, 2811
- BLAKE, L. W. See: 62-TAD
- BLAND, M. R., J. F. Loutit and J. M. Sansom 74-BLM
Histochemical phosphatase and metachromasia in murine tumours
induced by bone-seeking radionuclides
Brit. J. Cancer 29, 202-222 (1974) PD 8, 3234
- BLEANEY, B. 67-BLE
Radiation dose-rates near bone surfaces in rabbits after
injection of plutonium
Phys. Med. Biol. 12, 145-160 (1967) NSA 21, 20190
- BLEANEY, B. 69-BLE
The radiation dose-rates near bone surfaces in rabbits after
intravenous or intramuscular injection of ^{239}Pu
Brit. J. Radiol. 42, 51-56 (1969) NSA 23, 31761
- BLEANEY, B. 69-BLE-2
Plutonium deposition on bone surfaces and in bone marrow
following intravenous and intramuscular injections
In: Delayed Effects of Bone-Seeking Radionuclides (C. W. Mays,
et al., eds., Univ. of Utah Press, Salt Lake City) 125-135 (1969)
NSA 23, 38422
- BLEANEY, B., and J. Vaughan 71-BLE
Distribution of ^{239}Pu in the bone marrow and on the endosteal
surface of the femur of adult rabbits following injection of
 $^{239}\text{Pu}(\text{NO}_3)_4$
Brit. J. Radiol. 44, 67-73 (1971) NSA 25, 16015
- BLEANEY, B. See also: 67-VAU, 73-VAU
- BLISS, W., and L. Dunn 71-BLI
Measurement of plutonium in soil around the Nevada test site
In: Proceedings of Environmental Plutonium Symposium (E. G.
Fowler, et al., eds., Doc. LA-4756) 89-92 (1971) Also in:
Proceedings of the Rocky Flats Symposium on Safety in Plutonium
Handling Facilities (Doc. CONF-710401) 320-327 (1971) NSA 25,
54755
- BLOOM, M. A. 48-BLO
Bone Marrow
In: Histopathology of Irradiation from External and Internal
Sources (W. Bloom, ed., McGraw Hill, New York) 162-242 (1948)
- BLOOM, M. A., and W. Bloom 49-BLO
Late effects of radium and plutonium on bone
Arch. Pathol. 47, 494-511 (1949) NSA 1, 16
- BLOOM, W. 47-BLW
Histological changes following radiation exposures
Radiology 49, 344-347 (1947) BA 22, 13280
- BLOOM, W. (Ed.) 48-BLW
Histopathology of Irradiation from External and Internal Sources
McGraw Hill, New York, 808 p. (1948) BA 23, 23043
- BLOOM, W. 48-BLW-2
The ovary
In: Histopathology of Irradiation from External and Internal Sources
(W. Bloom, ed., McGraw Hill, New York) 598-673 (1948)

BLOOM, W. 48-BLW-3
 The kidney
 In: Histopathology of Irradiation from External and Internal Sources
 (W. Bloom, ed., McGraw Hill, New York) 674-703 (1948)

BLOOM, W. See also: 49-BLO

BOCKER, D. V. See: 68-RUN

BOECKER, B. B. 59-BOE
 A study of the deposition and excretion of PuO₂ in rats (Thesis)
 Doc. TID-15685 (1959) NSA 16, 18748

BOGATOV, L. V., and Z. I. Kalmykova 61-BOG
 A study of the functional state of the blood system in dogs at
 remote dates after the chronic action of ionizing radiation
 In: Biological Effects of Radiation and Problems of Radioactive
 Isotope Distribution (A. V. Lebedinskii and Y. I. Moskaev, eds.,
 Atomizdat, Moscow) 38-48 (1961) translated in AEC-tr-5265, 32-42
 NSA 16, 26865

BOGATOV, L. V., Z. I. Kalmykova, N. P. Kudasheva and S. A. Rogacheva 62-BOG
 Peculiarities in the course and outcome of radiation sickness in
 dogs injected intravenously with the nitrate of plutonium-239
 In: Plutonium-239: Its Distribution, Biological Effect and
 Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev,
 eds., Medgiz, Moscow) 103-114 (1962) translated in FTD-TT-63-559,
 150-172 NSA 18, 15817

BOGATOV, L. V. 63-BOG
 Reaction of the blood system in dogs to heavy blood loss in remote
 periods following chronic irradiation (in Russian)
 Med. Radiol. 8(2), 28-35 (1963) NSA 17, 23119

BOGEN, D. See: 62-KRP

BOHNING, D. E. See: 71-FAS

BOKOWSKI, D. L. See: 69-LAG, 71-LAG, 72-LAG-2, 73-LAG

BOOCCOCK, G., and D. S. Popplewell 65-BOC
 Distribution of plutonium in serum proteins following intravenous
 injection into rats
 Nature 208, 282-283 (1965) NSA 19, 27911

BOOCCOCK, G., and D. S. Popplewell 66-BOC
 In vitro distribution of americium in human blood serum proteins
 Nature 210, 1283-1284 (1966) NSA 20, 35225

BOOCCOCK, G., C. J. Danpure, D. S. Popplewell and D. M. Taylor 70-BOC
 The subcellular distribution of plutonium in rat liver
 Radiat. Res. 42, 381-396 (1970) NSA 24, 31817

BOOCCOCK, G. See also: 68-POL, 71-POL

BOOTH, H. C. See: 73-ANS

BOOTMAN, W. R. See: 67-GLA

BORISOVA, V. V. See: 73-SHU, 74-ZAP

BOSS, M. R., and J. R. Mann 67-BOS
 Body counter evaluations of plutonium exposures
 Health Phys. 13, 259-266 (1967) NSA 21, 16357

BOUCHER, R. See: 71-BER

BOUDENE, C. See: 66-TRU, 66-TRU-2, 66-TRU-3

BOULAY, P., J. J. Chivot, L. Jeanmaire and A. Lansiaart 67-BOU
²³³Pu "Pu simulator" for the direct measurement of a pulmonary
contamination
Compt. Rend., Ser. D. 265, 1571-1574 (1967) translated in AEC-tr-
6927 NSA 22, 28472; 23, 4925

BOULAY, P. 71-BOU
Direct measurement of pulmonary plutonium contamination
In: Advances in physical and Biological Radiation Detectors
(International Atomic Energy Agency, Vienna) 287-297 (1971)
NSA 25, 57773

BOWEN, V. T., K. M. Wong and V. E. Noshkin 71-BOW
Plutonium-239 in and over the Atlantic Ocean
J. Marine Res. 29, 1-10 (1971) PD 6, 1585

BOWEN, V. T. See also: 71-NOS, 72-NOS, 71-WON

BOWERS, J. Z. See: 55-DOJ

BOYD, G. A., H. E. Silberstein, R. M. Fink, A. Frenkel, W. L. Minto, 50-BOY
R. G. Metcalf, G. Casarett and G. M. Suter
Pilot studies on the intravenous lethal dosage of polonium,
plutonium, and radium in rats
In: Biological Studies with Polonium, Radium and Plutonium
(R. M. Fink, ed., McGraw Hill, New York) 211-294 (1950)
NSA 3, 17

BOYD, G. A., A. Williams, W. L. Minto, D. V. Tiedeman, R. M. Fink, 50-BOY-2
G. Casarett and R. G. Metcalf
Simultaneous studies on the intravenous lethal dosage of polonium,
plutonium and radium in rats
In: Biological Studies with Polonium, Radium and Plutonium
(R. M. Fink, ed., McGraw Hill, New York) 295-404 (1950)
NSA 3, 18 EP S3, 154

BOYD, H. A. See: 74-KAN, 72-KOT, 72-MCR-2, 75-RAB

BRAIN, J. D., and P. A. Valberg 74-BRJ
Models of lung retention based on ICRP Task Group report
Arch. Environ. Health 28, 1-11 (1974) NSA 31, 26206

BRAMSON, P. E., J. J. Jech and B. V. Anderson 72-BRP
Comparison of manual and computer evaluation of systemic
plutonium burdens
Health Phys. 22, 911-920 (1972) NSA 26, 38755

BRAMSON, P. E. See also: 72-HEN

BRECHBILL, R. A. 69-BRE
Special bovine sampling study: Project rollercoaster sites
Doc. SWRHL-53r, 23 p. (1969) NSA 23,
38555

BRENNAN, J. T. See: 73-BEY

BRESLIN, A. J. See: 67-GLA

BRETHAUER, E. W. See: 72-MIL

BRIGHTWELL, J., and A. G. Heppleston 73-BRI
 Inhibition of urethane-induced pulmonary adenomas by inhaled
²³⁹Pu
 Brit. J. Radiol. 46, 180-182 (1973) NSA 27, 28014

BRIGHTWELL, J., and R. F. Carter 75-BRI
 Absorption from the gut of a suspension of plutonium-sodium aerosol
 Health Phys. 28, 156-158 (1975) NSA 31, 23077

BRINEY, S. A. See: 70-BUC, 72-DEF, 73-BUC

BRODSKY, A., J. A. Sayeg, N. Wald, R. Wechsler and R. Caldwell 68-BRO
 Measurement and management of insoluble plutonium-amerium
 inhalation in man
 In: Proceedings of the First International Congress of Radiation
 Protection, Part 2 (W. S. Snyder, et al., eds., Pergamon Press,
 New York) 1181-1190 (1968) NSA 23, 14179

BRODSKY, A., N. Wald, R. E. Lee, J. Horm and R. Caldwell 72-BRO
 Plutonium-amerium contamination aspects of a dry box
 accident involving hand amputation
 In: Health Physics Operational Monitoring, Vol. 3 (C. A. Willis,
 ed., Gordon and Breach, New York) 1601-1620 (1972) NSA 29, 29861

BRODSKY, A. See also: 69-BUA, 70-BUA, 71-FAS, 73-SLO, 68-WAL

BROOKS, A. L., R. O. McClellan and L. R. McKay 71-BRA
 Comparison of the relative biological effectiveness of ²⁴¹Am
 and ¹⁴⁴Ce on the production of chromosome aberrations in the
 Chinese hamster liver
 In: Health Physics Aspects of Nuclear Facility Siting. Vol. III
 (P. G. Voilleque, ed., Idaho Falls, Idaho) 600-618 (1971)
 NSA 25, 55188

BROOKS, A. L., J. A. Mewhinney and R. O. McClellan 72-BRA
 In vivo cytogenetic effects of ²⁵²Cf on liver and bone marrow
 of the Chinese hamster
 Health Phys. 22, 701-706 (1972) NSA 26, 38742

BROOKS, A. L., J. C. Retherford and R. O. McClellan 74-BRA
 Effect of ²³⁹PuO₂ particle number and size on the frequency and
 distribution of chromosome aberrations in the liver of the
 Chinese hamster
 Radiat. Res. 59, 693-709 (1974) NSA 30, 29783

BROOKS, A. L. See also: 72-MCK, 72-MEW

BROWN, C. L. See: 73-SEL

BROWN, H. See: 73-ROS

BROWN, M. See: 68-SAM

BRUENGER, F. W., W. Stevens and B. J. Stover 69-BRU
²⁴¹Am in the blood: in vivo and in vitro observations
 Radiat. Res. 37, 349-360 (1969) NSA 23, 20112

BRUENGER, F. W., B. J. Stover, W. Stevens and D. R. Atherton 69-BRU-2
 Exchange of ²³⁹PuIV between transferrin and ferritin in vitro
 Health Phys. 16, 339-340 (1969) NSA 23, 31330

BRUENGER, F. W., B. J. Stover and W. Stevens 71-BRU
²³⁹Pu(IV): Its subcellular distribution and association with
 ferritin in the canine liver
 Health Phys. 21, 679-687 (1971) NSA 26, 12212

BRUENGER, F. W., D. R. Atherton and W. Stevens Intracellular distribution of ^{249}Cf in canine liver Health Phys. <u>22</u> , 685-689 (1972) NSA <u>26</u> , 38782	72-BRU
BRUENGER, F. W. See also: 65-STW, 68-STW, 69-STW, 72-STW, 62-STB-2, 68-STB, 68-STB-2, 69-STB, 70-STB, 72-STB-2, 75-STW	
BRUES, A. M. Clinical picture following plutonium administration In: Report of Conference on Plutonium (J. J. Nickson, ed., Doc. CN-3167) 19-26 (1945) EP <u>S3</u> , 292	45-BRM
BRUES, A. M., H. Lisco and M. Finkel Carcinogenic action of some substance which may be a problem in certain future industries Cancer Res. <u>7</u> , 48 (1947) ADD <u>1</u> , 145	47-BRM
BRUES, A. M. Comparative chronic toxicities of radium plutonium Doc. ANL-4799, 20 p. (1951) EP <u>S2</u> , 100	51-BRM
BRUES, A. M. See also: 47-LIS	
BRUNER, H. D. A plutonium registry In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 661-665 (1968) NSA <u>23</u> , 24667	68-BRH
BRUNSKILL, R. T., and F. B. Holt Aerosol studies on plutonium and uranium plants at the Windscale and Springfield Works of the United Kingdom Atomic Energy Authority In: Assessment of Airborne Radioactivity (International Atomic Energy Agency, Vienna) 463-476 (1967) PD <u>2</u> , 1691	67-BRT
BUCHHOLZ, J. R., W. H. Adams, C. W. Christenson and E. B. Fowler Summary of a study of the uptake of ^{239}Pu by alfalfa from soils Doc. LADC 12897, 4 p. (1971) EP 415	71-BUJ
BUCHHOLZ, J. R. See also: 75-ADM, 68-FOW	
BUKHTOYAROVA, Z. M., and V. K. Lemberg Tumors developing in rats after intraperitoneal injection of plutonium nitrate (Pu^{239}) Vop. Onkol. <u>5</u> (8), 140-148 (1959) translated, 13-24 NSA <u>14</u> , 21325	59-BUK
BUKHTOYAROVA, Z. M. The dynamics of the changes in the bone tissues of rabbits poisoned by plutonium-239 In: Biological Effects of Radiation and Problems of Radioactive Isotope Distribution (A. V. Lebedinskii and Y. I. Moskaev, eds., Atomizdat, Moscow) 155-163 (1961) translated in AEC-tr-5265, 153-161 NSA <u>16</u> , 9916, 26866	61-BUK
BUKHTOYAROVA, Z. M. Dynamic changes of bone tissue in rabbits poisoned with plutonium-239 In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow) 142-150 (1962) translated in FTD-TT-63- 559, 215-229; and in JPRS-16900, 48-65 NSA <u>17</u> , 12104 EP <u>S3</u> , 504	62-BUK

- BUKHTOYAROVA, Z. M., V. K. Lemberg, R. A. Erokhin and Y. A. Belyaev 68-BUK
 Tumors in rats treated with pentacin after injection of ^{239}Pu (in Russian)
 Vop. Onkol. 14(8), 71-76 (1968) NSA 23, 2874
- BUKHTOYAROVA, Z. M., and A. P. Nifatov 69-BUK
 Microdistribution of ^{239}Pu and the histopathology of the liver and skeleton of dogs after intravenous administration of the isotope
 In: Radioactive Isotopes and the Body (Y. I. Moskaev, ed., Meditsina, Moscow) (1969) translated in AEC-tr-7195, 364-375
 NSA 25, 23985
- BUKHTOYAROVA, Z. M., and M. G. Poplyko 74-BUK
 Cell composition of the wall of the pulmonary alveoli of rats after a single inhalation of monomer and polymer forms of plutonium-239
 Radiobiologiya 14, 555-558 (1974) translated in AEC-tr-7602, 102-107 NSA 31, 20087
- BUKHTOYAROVA, Z. M. See also: 61-LEM, 62-LEM-2, 66-LEM, 69-LYU-2, 72-PES
- BUKOVITZ, A. G., J. A. Sayeg, A. A. Spritzer and A. Brodsky 69-BUA
 Effective transmission of the human thorax for photons from ^{239}Pu , ^{241}Am , and other low-energy emitters
 Health Phys. 17, 71-75 (1969) NSA 23, 38589
- BUKOVITZ, A. G., and A. Brodsky 70-BUA
 Reply to comment on "Effective transmission of the human thorax for photons from ^{239}Pu , ^{241}Am , and other low-energy emitters
 Health Phys. 19, 585 (1970) NSA 25, 530
- BULDAKOV, L. A., and Y. I. Moskaev 61-BUL
 Distribution of plutonium-239 in the skeleton and liver of rats and kinetics of its elimination depending on the dose and rhythm of the isotope
 Radiobiologiya 1, 487-492 (1961) translated in AEC-tr-5425, 37-45
 EP S3, 241
- BULDAKOV, L. A., Y. I. Moskaev and V. Streltsova 61-BUL-2
 Observations on the biological action of plutonium-239
 Biull. Eksptl. Biol. i Med. (USSR) 52(11), 57-61 (1961)
 translated by Consultants Bureau, 1277-1280 BA 40, 17347
- BULDAKOV, L. A., A. P. Nifatov, N. M. Tolochkova and N. I. Burov 67-BUL
 Absorption of ^{239}Pu through the skin and from the subcutaneous tissue of young pigs
 Radiobiologiya 7, 591-601 (1967) translated in AEC-tr-6889, 167-182 NSA 22, 14925
- BULDAKOV, L. A. 68-BUL
 Behavior of ^{239}Pu in young pigs
 Radiobiologiya 8, 62-64 (1968) translated in AEC-tr-6950, 101-106 NSA 22, 47468
- BULDAKOV, L. A., R. A. Erokhin and A. P. Nifatov 68-BUL-2
 Kinetics of the ^{239}Pu metabolism in the case of prolonged peroral administration
 Radiobiologiya 8, 900-907 (1968) translated in AEC-tr-7013, 161-171
 NSA 23, 17941

- BULDAKOV, L. A., E. R. Lyubchanskii, Y. I. Moskalev and A. P. Nifatov 69-BUL
Problems of Plutonium Toxicology, Atomizdat, Moscow, 368 p. (1969)
translated in LF-tr-41
NSA 23, 35606; 25, 8238, 8594, 8595, 8596, 8674
- BULDAKOV, L. A., Z. I. Kalmykova, Y. I. Moskalev and V. N. Streltsova 69-BUL-2
On the role of the time factor in separate and combined injection
with ^{144}Ce and ^{239}Pu
In: Radioactive Isotopes and the Body (Y. I. Moskalev, ed., Meditsina, Moscow) (1969) translated in AEC-tr-7195, 339-346 NSA 25, 24323
- BULDAKOV, L. A., Z. I. Kalmykova, N. P. Kudasheva and E. R. Lyubchanskii 70-BUL
The biological effects of inhaled ^{239}Pu (Abstract)
Radiobiologiya 10, 794-795 (1970) translated in AEC-tr-7215, 246 PD 5, 3961
- BULDAKOV, L. A., Z. I. Kalmykova, N. P. Kudasheva, E. R. Lyubchanskii and E. P. Ovcharenko 71-BUL-2
Biological effect of ^{239}Pu administered by inhalation
In: Remote Aftereffects of Radiation Damage (Y. I. Moskalev, ed., Atomizdat, Moscow) 294-305 (1971) translated in AEC-tr-7387, 323-333 PD 7, 2068
- BULDAKOV, L. A., A. P. Nifatov, R. A. Erokhin and L. G. Filippova 71-BUL-3
Biological effect of ^{239}Pu with cutaneous and intracutaneous injection
In: Remote Aftereffects of Radiation Damage (Y. I. Moskalev, ed., Atomizdat, Moscow) 350-355 (1971) translated in AEC-tr-7387, 381-387 PD 7, 2073 EP 5, 38
- BULDAKOV, L. A., A. P. Nifatov and R. A. Erokhin 71-BUL-4
Biological effect of ^{239}Pu with chronic peroral administration
In: Remote Aftereffects of Radiation Damage (Y. I. Moskalev, ed., Atomizdat, Moscow) 355-365 (1971) translated in AEC-tr-7387, 388-398 PD 7, 2074 EP 5, 40
- BULDAKOV, L. A., Z. I. Kalmykova, A. P. Nifatov, V. N. Doshchenko, I. A. Tseveleva, G. S. Mushkacheva, N. P. Kudasheva, V. M. Pesternikov, V. I. Matveev, A. G. Surina and V. N. Karpova 72-BUL
Metabolism and biological effects of inhaled ^{241}Am and ^{239}Pu in dogs
Health Phys. 22, 873-874 (1972) NSA 26, 38750
- BULDAKOV, L. A., L. G. Filippova and G. V. Khalturin 72-BUL-2
Fate of ^{239}Pu in the case of subcutaneous injection (Abstract)
Radiobiologiya 12, No. 1 (1972) translated in AEC-tr-7316, 234 PD 7, 254
- BULDAKOV, L. A. 72-BUL-3
Toxicology of neptunium 237
In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskalev and V. S. Kalistratova, eds., Meditsina, Moscow) 214-220 (1972) translated in AEC-tr-7457, 322-329 NSA 30, 9963

BULDAKOV, L. A., A. P. Nifatov, L. G. Filippova and G. V. Khalturin 72-BUL-4
 Subcutaneous administration of transuranic elements (neptunium 237, plutonium 239 and americium 241)
 In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskalev and V. S. Kalistratova, eds., Meditsina, Moscow) 241-247 (1972) translated in AEC-tr-7457, 359-367
 NSA 30, 10013

BULDAKOV, L. A., and A. P. Nifatov 72-BUL-5
 Biological effectiveness of americium 241 following oral and parenteral administration
 In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskalev and V. S. Kalistratova, eds., Meditsina, Moscow) 305-311 (1972) translated in AEC-tr-7457, 446-454
 NSA 30, 10019

BULDAKOV, L. A. See also: 74-KHA, 71-LEV, 71-LEV-2, 72-LEV, 74-LEV-2, 75-LEV, 66-LYU, 61-MOS, 62-MOS, 65-MOS, 66-MOS-2, 66-MOS-3, 69-MOS-3, 69-MOS-4, 74-MOS-3, 71-NIF, 71-NIF-2, 72-NIF, 72-NIF-2

BULL, E. H. See: 70-JOL, 70-LEJ

BURDEN, B. A. See: 67-WOR

BURKE, J. C. See: 71-NOS, 71-WON

BURNETT, W. D. See: 72-PAM

BURNHAM, J. B. See: 73-SEL

BUROV, N. I. See: 67-BUL

BURR, W. W. 74-BUR
 Biomedical effects of plutonium on humans (part of AEC presentation at EPA Plutonium Standards Hearings, December 10-11, 1974)
 In: Doc. WASH-1359, 231-234 (1974) NSA 31, 16861

BURTON, C. A. See: 68-NGY

BUSCH, H. E. See: 70-GJO

BUSCH, R. H. See: 72-PAR

BUSCHBOM, R. L. See: 73-CRD, 75-CRD

BUSEY, H. See: 67-ETI

BUSHONG, S. C., N. Prasad, S. A. Briney and G. D. Oliver 70-BUC
 Radiocytogenetic determination of the oxygen enhancement ratio of ^{252}Cf
 Radiology 96, 167-170 (1970) NSA 24, 39576

BUSHONG, S. C., N. Prasad, S. A. Briney and G. D. Oliver 73-BUC
 Radiocytogenetic studies with ^{252}Cf
 Int. J. Radiat. Biol. 23, 105-112 (1973) NSA 27, 28018

BUSHONG, S. C. See also: 72-DEF

BUSTAD, L. K., W. J. Clarke, L. A. George, II, V. G. Horstman, R. O. McClellan, R. L. Persing, L. J. Seigneur and J. L. Terry 62-BUS
 Preliminary observations on metabolism and toxicity of plutonium in miniature swine
 Health Phys. 8, 615-620 (1962) NSA 17, 7748

BUSTAD, L. K., and R. O. McClellan 68-BUS
Miniature swine: Development, management, and utilization
Lab. Anim. Care 18, 280-287 (1968) NSA 22, 45406

BUSTAD, L. K., M. Goldman, L. S. Rosenblatt, C. W. Mays, 72-BUS
N. W. Hetherington, W. J. Bair, R. O. McClellan, C. R. Richmond
and R. E. Rowland
Evaluation of long-term effects of exposure to internally deposited
radionuclides
In: Peaceful Uses of Atomic Energy, Vol. 11 (United Nations,
New York) 125-140 (1972)

BUSTAD, L. K. See also: 62-CAB, 63-CAH, 58-CLA, 56-GEO, 57-GEO, 62-
MCR, 62-MCR-2, 71-STA, 56-WEK

BUSTER, D. S. See: 62-STB-2, 68-STB, 69-STB, 71-STB, 72-STB-3

BUTLER, G. C. See: 70-BAI-5

BYRD, B. I. See: 73-HAW

CABLE, J. W., V. G. Horstman, W. J. Clarke and L. K. Bustad 62-CAB
Effects of intradermal injections of plutonium in swine
Health Phys. 8, 629-634 (1962) NSA 17, 13920

CALDWELL, R., T. Potter and E. Schnell 72-CAL
Radiological emergency experience in an industrial plutonium
plant
In: Health Physics Operational Monitoring, Vol. 3 (C. A. Willis,
ed., Gordon and Breach, New York) 1581-1599 (1972) NSA 29, 30206

CALDWELL, R. See also: 68-BRO, 72-BRO

CAMPBELL, E. E., W. D. Moss and P. C. Stein 69-CAM
Effect of an evaluated iron and protein diet on plutonium
excretion in urine
Health Phys. 16, 764-765 (1969) NSA 23, 35616

CAMPBELL, E. E., M. F. Milligan, W. D. Moss and H. F. Schulte 72-CAM
History of the plutonium bioassay program at the Los Alamos
Scientific Laboratory, 1944-1972
Doc. LA-5008, 7 p. (1972) NSA 27, 7364

CAMPBELL, E. E., M. F. Milligan, W. D. Moss, H. F. Schulte 73-CAM
and J. F. McInroy
Plutonium in autopsy tissue
Doc. LA-4875, 47 p. (1973)

CAMPBELL, E. E. See also: 69-MOW

CAMPBELL, H. S. See: 67-MOP

CANTRIL, S. T. 51-CAN
Biological basis for maximum permissible exposures
In: Industrial Medicine on the Plutonium Project (R. S. Stone,
ed., McGraw-Hill, New York) 36-74 (1951) EP S2, 91

CANTRIL, S. T. See also: 45-HEM

CARPENTER, G. D. 72-CAD
Plutonium: Personnel exposure control with increasing ^{240}Pu
content
In: Health Physics Operational Monitoring, Vol. 2 (C. A. Willis,
ed., Gordon and Breach, New York) 1223-1233 (1972) NSA 29, 29781

CARRITT, J., R. Fryxell, J. Kleinschmidt, R. Kleinschmidt, 47-CAR
W. Langham, A. San Pietro, R. Schaffer and B. Schnap
The distribution and excretion of plutonium administered
intravenously to the rat
J. Biol. Chem. 171, 273-283 (1947) BA 22, 8455

CARROLL, T. E. See: 71-RUA

CARTER, L. A. See: 73-SEL

CARTER, M. W. See: 75-MOG

CARTER, R. E. See: 50-LAN, 51-LAN

CARTER, R. F., and K. Stewart 71-CAF
Oxide fume formed by the combustion of plutonium and uranium
In: Inhaled Particles III (W. H. Walton, ed., Unwin Bros. Ltd.,
Old Woking, England) 819-837 (1971) NSA 26, 12273

CARTER, R. F. See also: 75-BRI, 75-STH-2

CASARETT, G. W. 73-CAG
 Pathogenesis of radionuclide-induced tumors
 In: Radionuclide Carcinogenesis (C. L. Sanders, et al., eds.,
 Doc. CONF-720505) 1-14 (1973) NSA 26, 45895

CASARETT, G. W. See also: 50-BOY, 50-BOY-2

CASARETT, L. J. 60-CAS
 Some physical and physiological factors controlling the fate of
 inhaled substances. II. Retention
 Health Phys. 2, 379-386 (1960) NSA 14, 18746

CASARETT, L. J., and P. E. Morrow 68-CAS
 Mechanisms of pulmonary clearance of inhaled plutonium dioxide:
 An autoradiographic study and particle size analysis
 In: Proceedings of the First International Congress of Radiation
 Protection, Part 1 (W. S. Snyder, et al., eds., Pergamon Press,
 New York) 173-180 (1968) NSA 23, 12035

CASARETT, L. J. See also: 61-MOP

CASE, A. C. See: 61-BAI-5, 74-BAI-4, 62-BAL-2, 56-DOC, 58-DOC-2

CASEY, H. W., R. O. McClellan, W. J. Clarke and L. K. Bustad 63-CAH
 Acute toxicity of neptunium-237 and its relationship to liver
 function in sheep
 Health Phys. 9, 827-834 (1963) NSA 17, 35292

CASEY, H. W. See also: 62-MCR

CASTLEMAN, A. W., Jr. See: 68-HOR

CASTRO, J. R., G. D. Oliver, H. R. Withers and P. R. Almond 73-CAJ
 Experience with californium-252 in clinical radiotherapy
 Amer. J. Roentgenol. Radium Ther. Nucl. Med. 117, 182-194 (1973)
 NSA 28, 13048

CATSCH, A. 61-CAT
 Radioactive metal mobilization
 Federation Proc. 20, Suppl. No. 10, 206-219 (1961) NSA 16,
 29327

CATSCH, A. 62-CAT
 Principles and trends in therapeutic removal of internally
 deposited radionuclides
 Health Phys. 8, 725-730 (1962) NSA 17, 10333

CATSCH, A. 63-CAT
 Toxicology: Radioactive metals
 Ann. Rev. Pharmacol. 3, 243-265 (1963) NSA 18, 22

CATSCH, A. See also: 71-SEI

CATT, D. L. See: 74-PAR

CELMA, M. See: 68-FOW

CERNY, E. A. See: 73-RAH

CHAPMAN, I. V. See: 64-SMH, 69-SMH, 69-SMH-2

CHARDACK, W. M. See: 73-LAU

CHASSANY, J. See: 70-ROD

CHATFIELD, E. J. The generation of particulate aerosols from plutonium surfaces Atmos. Environ. <u>2</u> , 97-101 (1968) NSA <u>22</u> , 25537	68-CHA
CHATFIELD, E. J. Some studies of the aerosols produced by the combustion or vaporization of plutonium-alkali metal mixtures. I. J. Nucl. Mater. <u>32</u> , 228-246 (1969) NSA <u>23</u> , 46009	69-CHA
CHATFIELD, E. J. Some studies of the aerosols produced by the combustion or vaporization of plutonium-alkali metal mixtures. II. J. Nucl. Mater. <u>32</u> , 247-267 (1969) NSA <u>23</u> , 46010	69-CHA-2
CHERDYNTSEV, V. V., I. V. Kazachevskii, L. D. Sulerzhitskii and E. A. Kuzmina ²³⁹ Pu in nature Geochem. Int. (Engl. transl.) <u>2</u> , 918-920 (1965) NSA <u>21</u> , 34335	65-CHE
CHERRY, R. D., and L. V. Shannon Alpha radioactivity of marine organisms At. Energy Rev. <u>12</u> , 3-45 (1974) PD <u>8</u> , 2510	74-CHD
CHIFFELLE, T. L. See: 72-THR-2	
CHILDRESS, J. D. See: 73-ROM	
CHIPPERFIELD, A. R., and D. M. Taylor Binding of plutonium and americium to bone glycoproteins Nature <u>219</u> , 609-610 (1968) NSA <u>22</u> , 51372	68-CHI
CHIPPERFIELD, A. R., and D. M. Taylor Binding of plutonium to glycoproteins in vitro Radiat. Res. <u>43</u> , 393-402 (1970) NSA <u>24</u> , 44414	70-CHI
CHIPPERFIELD, A. R., and D. M. Taylor Binding of americium and plutonium to bone glycoproteins Eur. J. Biochem. <u>17</u> , 581-585 (1970) NSA <u>25</u> , 18899	70-CHI-2
CHIPPERFIELD, A. R., and D. M. Taylor Binding of thorium(IV), plutonium(IV), americium(III), and curium(III) to the constituents of bovine cortical bone in vitro Radiat. Res. <u>51</u> , 15-30 (1972) NSA <u>26</u> , 43398	72-CHI
CHIPPERFIELD, A. R. See also: 70-TAY, 71-TAY, 71-TAY-2	
CHIVOT, J. J. See: 67-BOU	
CHLADEK, D. See: 73-BAX, 72-ROS-2, 73-ROS	
CHRISTENSEN, W. R., C. C. Smith, C. E. Rehfeld and G. N. Taylor Radiographic changes in internally irradiated dogs In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al., eds., Pergamon Press, Oxford) 63-67 (1962) NSA <u>17</u> , 19887	62-CHR
CHRISTENSEN, W. R., W. S. S. Jee, G. N. Taylor and N. Nebeker Distribution of internal radiation-induced osteogenic sarcoma in various species In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 195-202 (1972) NSA <u>26</u> , 41259	72-CHR
CHRISTENSEN, W. R. See also: 62-DOT, 62-JEW, 69-MAY, 62-TAG, 66-TAG, 69-TAG-2, 71-TAG, 72-TAG-3	

CHRISTENSON, C. W., and R. G. Thomas 62-CHW
 Movement of plutonium through Los Alamos tuff
 In: Second Ground Disposal of Radioactive Wastes Conference
 (J. M. Morgan, et al., eds., TID-7628) 248-281 (1962) NSA 16,
 25054 EP 8

CHRISTENSON, C. W. See also: 75-ADM, 71-BUJ, 68-FOW

CHUTKIN, O. A. See: 72-ZAY, 72-ZAY-2, 73-ZAY

CLARK, L., Jr. See: 75-FEL

CLARK, R. G. See: 73-SEL

CLARKE, W. J., V. G. Horstman, L. J. Seigneur, J. L. Terry and 58-CLA
 L. K. Bustad
 Plutonium metabolism in miniature pigs
 In: Doc. HW-53500, 102-111 (1958) EP S2, 245

CLARKE, W. J. 62-CLA
 Comparative histopathology of Pu²³⁹, Ra²²⁶ and Sr⁹⁰ in pig bone
 Health Phys. 8, 621-627 (1962) NSA 17, 13919

CLARKE, W. J. 62-CLA-2
 Radiation effects of bone-seeking radionuclides as determined
 by histopathological and histochemical studies of swine bone
 Thesis, Washington State Univ., Pullman, 191 p. (1962) NSA 17,
 15847

CLARKE, W. J., and W. J. Bair 64-CLA
 Plutonium inhalation studies. VI. Pathologic effects of inhaled
 plutonium particles in dogs
 Health Phys. 10, 391-398 (1964) NSA 18, 29210

CLARKE, W. J., J. F. Park, J. L. Palotay and W. J. Bair 64-CLA-2
 Bronchiolo-alveolar tumors of the canine lung following
 inhalation of plutonium particles
 Am. Rev. Respirat. Diseases, 90, 963-967 (1964) NSA 19, 14963

CLARKE, W. J., J. F. Park and W. J. Bair 65-CLA
 Plutonium particle-induced neoplasia of the canine lung. II.
 Histopathology and conclusions
 In: Lung Tumors in Animals (L. Severi, ed., University of
 Perugia, Perugia, Italy) 345-355 (1966) NSA 19, 35943

CLARKE, W. J., J. F. Park, J. L. Palotay and W. J. Bair 66-CLA
 Plutonium inhalation studies. VII. Bronchiolo-alveolar
 carcinomas of the canine lung following plutonium particle
 inhalation
 Health Phys. 12, 609-613 (1966) NSA 20, 24903

CLARKE, W. J. See also: 64-BAI, 66-BAI, 67-BAL, 62-BUS, 62-CAB,
 63-CAH, 65-MAH, 66-MAH, 62-MCR-2, 64-PAR, 65-PAR,
 61-SMV

CLAY, A. J. See: 68-ODL

CLINE, J. F. 68-CLI
 Uptake of ²⁴¹Am and ²³⁹Pu by plants
 In: Doc. BNWL-714, 8.24-8.25 (1968) PD 2, 4148 EP 731

CLINE, J. F. See also: 55-RED, 66-WID

CLOSE, E. R. See: 72-DUR

CLOUTIER, R. J., and E. E. Watson 67-CLO
 Measuring plutonium in wounds: Advantages of using the
 americium gamma ray
 Health Phys. 13, 811-813 (1967) NSA 22, 4627

CLOUTIER, R. J. See also: 67-LUS

COCHRAN, J. A. See: 70-SHL, 70-SHL-2

COCHRAN, T. B. See: 74-TAM, 74-TAM-2, 74-TAM-3, 75-TAM

COCHRAN, T. H., W. S. S. Jee, B. J. Stover and G. N. Taylor 62-COH
 Liver injury in beagles with Pu²³⁹: Distribution, dosage and damage
 Health Phys. 8, 699-703 (1962) NSA 17, 10328

COCHRAN, T. H. See also: 62-JEW-3

COHEN, N., and M. E. Wrenn 72-CON
 Baboon as an experimental animal for metabolic studies of bone-
 seeking radionuclides in man
 In: Medical Primatology 1972. Part III (E. I. Goldsmith, ed., S. Karger,
 Basel) 226-236 (1972) NSA 30, 27278

COHEN, N., and M. E. Wrenn 73-CON
 Metabolic characteristics of ²⁴¹Am in the adult baboon
 Radiat. Res. 55, 129-143 (1973) NSA 28, 21826

COHEN, N., R. A. Guilmette and M. E. Wrenn 74-CON
 Chelation of ²⁴¹Am from the liver and skeleton of the adult baboon
 Radiat. Res. 58, 439-447 (1974) NSA 30, 10037

COHEN, N. See also: 72-ROJ, 72-WRE

COHN, S. H., and J. S. Robertson 64-COS
 Radiotoxicity of internally deposited radioactive material
 In: Atomic Medicine, 4th Ed. (C. F. Behrens, ed., Williams
 & Wilkins, Baltimore) 251-280 (1964) NSA 19, 15005

COHN, S. H. See: 64-ROB

COLARD, J. See: 71-DUL

COLE, D. W., W. E. Mott and L. A. Sagan 70-COD
 Factors relating to the application of radioisotopes to circulatory-
 support systems
 Isotop. Radiat. Technol. 1, 134-145 (1970) NSA 24, 14505

COLE, K. S., and C. L. Prosser 45-COK
 Health Problems relating to product
 In: Doc. CN-2786, 8-12 (1945) EP 5, 50

COLE, K. S., and C. L. Prosser 45-COK-2
 Monthly health report on problems relating to product: Biological
 research section
 In: Doc. CN-2905, 4-10 (1945) EP 6, 24

COLE, K. S. See also: 45-FIR

COLEMAN, E. J. See: 58-DOC, 59-DOC

COLORADO Department of Health, Division of Occupational and 70-COL
 Radiological Health, Denver, Colorado
 USAEC Rocky Flats Plant surveillance
 Summary Report, 54 p. (1970) EP 376

COLVETT, R. D. See: 74-HAZ

COMAR, C. L. Movement of fallout radionuclides through biosphere and man Ann. Rev. Nucl. Sci. <u>15</u> , 175-206 (1965) NSA <u>20</u> , 6714 EP 483	65-COM
COMAR, C. L. See also: 62-MIH	
COPP, D. H., D. J. Axelrod and J. G. Hamilton The deposition of radioactive metals in bone as a potential health hazard Am. J. Roentgenol. Rad. Therapy and Nuclear Med. <u>58</u> , 10-16 (1947) EP <u>S2</u> , 14	47-COP
COPP, D. H., and B. Kawin Some considerations in fission product contamination In: Therapy of Radioelement Poisoning (M. W. Rosenthal, ed., Doc. ANL-5584) 123-129 (1956) EP <u>S2</u> , 196	56-COP
COPP, D. H. See also: 50-KAW, 53-KAW, 48-SCK-2	
CORLEY, J. P., D. M. Robertson and F. P. Brauer Plutonium in surface soil in the Hanford plant environs In: Proceedings of Environmental Plutonium Symposium (E. B. Fowler, et al., eds., Doc. LA-4756) 85-88 (1971) PD <u>6</u> , 2210	71-COR
CORLEY, J. P. See also: 73-SEL, 73-SOL	
CRAIG, D. K., J. M. Thomas, J. R. Decker and J. F. Park Alveolar deposition of $^{239}\text{PuO}_2$ aerosols in beagle dogs as a function of respiration and aerosol parameters Health Phys. <u>22</u> , 845-855 (1972) NSA <u>26</u> , 38798	72-CRD
CRAIG, D. K., R. L. Buschbom and J. P. Herring Relationships between nebulizer suspension concentration, concentration and size distribution of $^{239}\text{PuO}_2$ aerosols generated for animal inhalation experiments Health Phys. <u>24</u> , 637-644 (1973) NSA <u>28</u> , 8514	73-CRD
CRAIG, D. K., D. D. Mahlum and E. L. Klepper Relative quantity of airborne plutonium deposited in the respiratory tract and on the skin of rats Health Phys. <u>27</u> , 475-479 (1974) NSA <u>31</u> , 16904	74-CRD
CRAIG, D. K., and R. L. Buschbom The alveolar deposition of inhaled plutonium aerosols in rodents Amer. Ind. Hyg. Ass. J. <u>36</u> , 172-180 (1975) NSA <u>31</u> , 33555	75-CRD
CRAIG, D. K. See also: 74-PAR	
CRANDALL, J. L. Applications of transplutonium elements Doc. DP-MS-71-52, 31 p. (1971) NSA <u>28</u> , 27578	71-CRL
CRANE, W. W. T. Future of the actinide elements Atompraxis <u>6</u> , 12-15 (1960) NSA <u>14</u> , 8330	60-CRA
CROOK, G. H. See: 68-LAR	
CROSS, F. T., and J. C. Sheppard In-phantom dosimetry of ^{238}Pu circulatory support heat sources Nucl. Technol. <u>13</u> (1), 83-94 (1972) NSA <u>26</u> , 9544	72-CRO

CROWLEY, J., H. Lanz, K. Scott and J. G. Hamilton
A comparison of the metabolism of plutonium (Pu^{238}) in man
and the rat
Doc. CH-3589, 15 p. (1946)

46-CRJ

CROWLEY, J. F. See also: 46-LAH, 46-SCK-2, 48-SCK, 49-SCK

CUMMINGS, S. L., and L. Bankert
Uptake of ^{144}Ce , ^{147}Pm , and ^{238}Pu by oat plants from soils
Radiol. Health Data Rep. 12(2), 83-85 (1971) NSA 25, 42260

71-CUM

DAGLE, G. E. Lymph node clearance of plutonium from subcutaneous wounds in beagles Thesis, Colorado State University, Doc. C00-1787-18, 127 p. (1973) NSA <u>29</u> , 13042	73-DAG
DAGLE, G. E., R. D. Phemister, J. L. Lebel, R. Jaenke and R. L. Watters Plutonium induced popliteal lymphadenitis in beagles Radiat. Res. <u>61</u> , 239-250 (1975) NSA <u>31</u> , 20090	75-DAG
DAGLE, G. E., J. L. Lebel, R. D. Phemister, R. L. Watters and L. S. Gomez Translocation kinetics of plutonium oxide from the popliteal lymph nodes of beagles Health Phys. <u>28</u> , 395-398 (1975) NSA <u>32</u> , 3829	75-DAG-2
DAGLE, G. E. See also: 74-GOM, 74-SAN-2	
DANPURE, C. J., and D. M. Taylor Effect of internally deposited plutonium-239 on the lysosomes of rat liver Radiat. Res. <u>59</u> , 679-692 (1974) NSA <u>30</u> , 29782	74-DAN
DANPURE, C. J. See also: 70-BOC, 71-POL, 69-TAY-3	
DAS, G. C. See: 74-MAD	
DAVIDSON, R. S. See: 71-RUA	
DAVIES, C. N. (ed.) Inhaled Particles and Vapours, Pergamon Press, London (1961) NSA <u>16</u> , 5125	61-DAV
DAVIES, H. See: 67-MOP	
DAVIES, S. See: 72-WHA	
DAVIS, J. J. Radioactive materials in aquatic and terrestrial organisms exposed to reactor effluent water Proc. Int. Conf. Peaceful Uses At. Energy, 2nd, 1958, <u>18</u> , 423-428 (1958) NSA <u>12</u> , 14516	58-DAJ
DAVIS, J. J. See also: 72-ROM	
DE BORTOLI, M., P. Gaglione, A. Malvicini and E. Van Der Stricht ²³⁹ Pu, ²³⁸ Pu, ⁹⁰ Sr, and ¹³⁷ Cs in surface air from mid 1961 through 1965 In: Proceedings of the 1st International Congress of Radiation Protection (W. S. Snyder, et al., eds., Pergamon Press, Oxford) 361-367 (1968) NSA <u>23</u> , 11661	68-DEB
DE BORTOLI, M. C., and P. Gaglione SNAP ²³⁸ Pu fallout at Ispra, Italy Health Phys. <u>16</u> , 197-204 (1969) NSA <u>23</u> , 9573	69-DEB
DE BORTOLI, M. C., and P. Gaglione Natural and fallout radioactivity in the soil Health Phys. <u>17</u> , 701-710 (1969) NSA <u>24</u> , 4379	69-DEB-2
DE BRUYN, P. P. H. Lymph node and intestinal lymphatic tissue In: Histopathology of Irradiation from External and Internal Sources (W. Bloom, ed., McGraw-Hill, New York) 348-445 (1948)	48-DEP

DE RAS, E. M. M. See: 71-VAN, 71-VAN-2

DEAN, F. K., S. C. Bushong, N. Prasad and S. Briney 72-DEF
 Relative biological effectiveness of ^{252}Cf on acute mammalian
 lethality
 Radiology 104, 699-703 (1972) NSA 26, 53484

DEAN, P. N., and W. H. Langham 69-DEA
 Tumorigenicity of small highly radioactive particles
 Health Phys. 16, 79-84 (1969) NSA 23, 8080

DEAN, P. N., D. Ramsden and J. Rundo 70-DEA
 Comment on effective transmission of the human thorax for
 photons from ^{239}Pu , ^{241}Am and other low-energy emitters
 Health Phys. 19, 312 (1970)

DEAN, P. N. See also: 72-JOL

DECKER, J. R. See: 72-CRD

DEEL, B. L. See: 72-EDL

DELANEY, H. See: 45-RUE

DELL, R. B. See: 72-JEW-2, 72-TAG

DELLA ROSA, R. J. See: 71-STA

DELLE SITE, A. See: 73-TES

DENHAM, D. H. 69-DEN
 Health physics considerations in processing transplutonium
 elements
 Health Phys. 16, 475-487 (1969) NSA 23, 17527

DEVILLERS, C. See: 71-BER

DICK, J. L. See: 58-BAK

DILLEY, J. V. 72-DIL
 Origin of urinary taurine excretion during chronic radiation
 injury
 Radiat. Res. 50, 191-196 (1972) NSA 26, 33803

DILLEY, J. V. See also: 71-PAR

DILLMAN, L. T., and T. D. Jones 75-DIT
 Internal dosimetry of spontaneously fissioning nuclides
 Health Phys. 29, 111-123 (1975)

DIONNE, P. J. See: 70-STU

DIX, G. P., and T. J. Dobry 72-DIX
 Critical parameters in plutonium safety evaluations
 Health Phys. 22, 569-574 (1972) NSA 26, 38420

DOBROSKOK, A. I. See: 74-LIK

DOBRY, T. J. See: 72-DIX

DOBSON, R. L. 56-DOB
 Americium poisoning
 In: Therapy of Radioelement Poisoning (M. W. Rosenthal, ed.,
 Doc. ANL-5584) 28-35 (1956) EP S2, 198

DOCKUM, J. G. See: 75-LOR

DOCKUM, N. L., and A. C. Case Autoradiographic analysis of plutonium deposition in human skin Doc. HW-44922 (1956)	56-DOC
DOCKUM, N. L., E. J. Coleman and G. Vogt Detection of plutonium contamination in humans by the autoradiographic method Stain Technol. <u>33</u> , 137-142 (1958) NSA <u>12</u> , 10345	58-DOC
DOCKUM, N. L., and A. C. Case Autoradiographic analysis of plutonium deposition in human skin Acta Radiol. <u>50</u> , 561-564 (1958) BA <u>33</u> , 28523	58-DOC-2
DOCKUM, N. L., G. S. Vogt and E. J. Coleman Applications of autoradiography in biological research J. Biol. Photo. Assoc. <u>27</u> , 1-18 (1959) NSA <u>13</u> , 18830	59-DOC
DOCKUM, N. L. See also: 56-GEO, 57-GEO, 69-JEW, 58-KAW, 62-MCR-2, 69-TAG-3	
DOLGIREV, E. I., G. N. Kaidanovskii and V. P. Shamov In vivo counting of transuranium isotopes in the human body: ^{239}Pu and ^{241}Am In: Health Physics Problems of Internal Contamination (E. Bujdosó, ed., Akademiai Kiado, Budapest) 497-502 (1973) NSA <u>28</u> , 30308	73-DOE
DOLGIREV, E., G. N. Kaidanovskii, N. V. Porozov and V. P. Shamov The methods of absolute calibration of equipment for measurements of Pb-210, Pu-239 and Am-241 in human body In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder, ed., Doc. CONF-730901-P2) Vol. 2, 969-975 (1974) NSA <u>30</u> , 26844	74-DOE
DOLGIREV, E. I., G. N. Kaidanovskii, T. M. Likhtareva and N. V. Porozov Changes of ^{241}Am content in four persons (in Russian) Med. Radiol. <u>19</u> (10), 72-74 (1974) NSA <u>31</u> , 878	74-DOE-2
DOLGIREV, E. I. See also: 74-ZAP	
DOLPHIN, G. W. Estimation of body content following inhalation of insoluble plutonium In: Assessment of Radioactivity in Man, Vol. 2 (International Atomic Energy Agency, Vienna) 589-602 (1964) NSA <u>18</u> , 33260	64-DOL
DOLPHIN, G. W. Biological problems in the radiological protection of workers exposed to plutonium-239 Health Phys. <u>20</u> , 549-557 (1971) NSA <u>25</u> , 42488	71-DOL
DOLPHIN, G. W. Problems associated with setting safe levels for working with plutonium Health Phys. <u>22</u> , 937-942 (1972) NSA <u>26</u> , 38757	72-DOL
DOLPHIN, G. W. Some problems in interpretation of bioassay data In: Assessment of Radioactive Contamination in Man (International Atomic Energy Agency, Vienna) 425-435 (1972) NSA <u>26</u> , 56532	72-DOL-2

DOLPHIN, G. W. 73-DOL
Maximum permissible concentrations and maximum permissible body
burdens for transplutonic elements
In: Uranium-Plutonium-Transplutonic Elements (H. C. Hodge,
J. N. Stannard and J. B. Hursh, eds., Springer-Verlag,
New York) 897-908 (1973) PD 8, 122T

DOLPHIN, G. W. 74-DOL
Hot particles
Radiol. Prot. Bull. 1974(8), 8-10 (1974) NSA 31, 3748

DOLPHIN, G. W. See also: 70-BAI-5, 64-BEA, 66-BEA, 70-HOL, 66-JAC,
74-SCG, 74-SCG-2

DOSHCHENKO, V. N. See: 72-BUL, 72-KAL-3

DOTY, S. B., C. W. Yates, W. E. Lotz, W. Kisielewski and R. V. 65-DOS
Talmage
Effect of short-term alpha irradiation on parathyroid activity
and osteoclast numbers
Proc. Soc. Exptl. Biol. Med. 119, 77-81 (1965) NSA 19, 28065

DOUGHERTY, J. H., J. Z. Bowers, R. C. Bay and P. Keyanonda 55-DOJ
Comparison of hematologic effects of internally deposited
radium and plutonium in dogs
Radiology 65, 253-259 (1955) NSA 9, 6843 EP S3, 442

DOUGHERTY, J. H. 62-DOJ
Some hematological responses to internal irradiation in the
beagle
In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al.,
eds., Pergamon Press, Oxford) 79-93 (1962) NSA 17, 19888

DOUGHERTY, J. H., and L. S. Rosenblatt 69-DOJ
Leukocyte depression in beagles injected with ^{226}Ra or ^{239}Pu
In: Delayed Effect of Bone-Seeking Radionuclides (C. W. Mays,
et al., eds., Univ. of Utah Press, Salt Lake City) 457-470 (1969)
NSA 23, 38796

DOUGHERTY, J. H., and L. S. Rosenblatt 70-DOJ
Comparative toxicity of ^{226}Ra , ^{239}Pu , ^{228}Th , ^{228}Ra , and ^{90}Sr
to leukocytes of beagles
Radiat. Res. 43, 56-70 (1970) NSA 24, 39572

DOUGHERTY, J. H., and L. S. Rosenblatt 71-DOJ
Long-term hematological effects of internal emitters in beagles
Radiat. Res. 48, 319-331 (1971) NSA 26, 12211

DOUGHERTY, J. H. 72-DOJ
Hematologic changes induced by ^{239}Pu in beagles
In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds.,
J. W. Press, Salt Lake City) 75-856 (1972) NSA 26, 41255

DOUGHERTY, J. H. See also: 62-DOT, 69-MAY, 69-TAG

DOUGHERTY, T. F., B. J. Stover, J. H. Dougherty, W. S. S. Jee, 62-DOT
C. W. Mays, C. E. Rehfield, W. R. Christensen and H. C. Goldthorpe
Studies of the biological effects of Ra^{226} , Pu^{239} , $\text{Ra}^{228}(\text{MsTh}_1)$,
 $\text{Th}^{228}(\text{RdTh})$, and Sr^{90} in adult beagles
Radiat. Res. 17, 625-681 (1962) NSA 16, 32705

DOUGHERTY, T. F. 62-DOT-2
Study of the long term biological effects of internal irradiation
in adult beagles
In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al.,
eds., Pergamon Press, Oxford) 3-6 (1962) NSA 17, 19883

DOUGHERTY, T. F. 62-DOT-3
 Incidence of bone cancer in internally irradiated dogs
 In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al.,
 eds., Pergamon Press, Oxford) 47-61 (1962) NSA 17, 19886

DOUGHERTY, T. F., and C. W. Mays 69-DOT
 Bone cancer induced by internally deposited emitters in beagles
 In: Radiation-Induced Cancer (International Atomic Energy Agency,
 Vienna) 361-367 (1969) NSA 24, 34031

DOUGHERTY, T. F. See also: 62-BED, 69-MAY, 70-MAY, 72-MAY-2,
 69-TAG, 71-TAG

DOW Chemical Co. 65-DOW
 Evaluation and treatment of an acute internal exposure to
 plutonium
 Doc. RFP-446, 29 p. (1965) NSA 19, 26579

DOW Chemical Co. 72-DOW
 Proceedings of the Rocky Flats Symposium on Safety in Plutonium
 Handling Facilities
 Doc. CONF-710401, 457 p. (1972)

DRENT, W., and W. Hunzinger 71-DRE
 Application of transuranium elements and related safety aspects
 In: Radiation Protection Problems Relating to Transuranium Elements
 (Doc. EUR-4612) 99-113 (1971) NSA 25, 37815

DREW, R. M., R. G. Fairchild and H. L. Atkins 72-DRM
 Oxygen enhancement ratio as measured with HeLa cells and
 protracted irradiation from ²⁵²Cf and ¹³⁷Cs
 Radiology 104, 409-413 (1972) NSA 26, 50818

DREW, R. M. See also: 73-ATK, 69-FAI, 70-FAI, 70-FAI-2, 73-FAI

DROPPQ, J. G. See: 73-SEL

DUCOUSSO, R., J. C. Nenot, C. Pasquier and J. Lafuma 72-DUC
 Surgical treatment of wounds contaminated by radioactive substances -
 About six cases related in the literature (in French)
 Doc. CEA-BIB-203, 37 p. (1972) NSA 26, 59131

DUCOUSSO, R., J. C. Nenot and C. Pasquier 74-DUC
 Internal radio-contamination therapy. Present aspects and future
 prospects (in French)
 Radioprotection 9(1), 27-39 (1974) NSA 31, 14426

DULCINO, J., J. Colard, D. Nuttinck, J. Luysterborg and G. Koch 71-DUL
 Immediate and long-term measures taken in following the
 contamination of personnel by ²⁴¹Am and ²⁴²Cm
 In: Radiation Protection Problems Relating to Transuranium
 Elements (Doc. EUR-4612) 631-646 (1971) NSA 25, 37804

DUNCAN, K. P. 64-DUN
 Some aspects of the prevention and treatment of excessive internal
 radioactive contamination
 Brit. J. Radiol. 37, 120-123 (1964) NSA 18, 11891

DUNCAN, K. P. See also: 66-BEA

DUNN, L. See: 71-BLI

DUNSTER, H. K. 56-DUH
 The discharge of radioactive waste products into the Irish Sea.
 Part 2. The preliminary estimate of the safe daily discharge
 of radioactive effluent
 In: Proceedings of the International Conference on the Peaceful Uses
 of Atomic Energy, Vol. 9 (United Nations, Geneva) 712-715 (1956)
 EP S2, 195

DUNSTER, H. J. See also: 66-BEA, 70-HOL

DURAKOVIC, A. B., J. G. Hollins and M. C. Storr 73-DUA
 The influence of age and sex on the metabolism of americium by
 rats
 Health Phys. 24, 541-546 (1973) NSA 28, 2999

DURAKOVIC, A. B. See also: 72-HOG, 73-HOG, 74-HOG

DURBIN, P. 60-DUR
 Metabolic characteristics within a chemical family
 Health Phys. 2, 225-238 (1960) NSA 14, 10699

DURBIN, P. W., M. H. Williams and N. Jeung 61-DUR
 Metabolism of ^{241}Am in the monkey (Abstract)
 Radiat. Res. 14, 462 (1961)

DURBIN, P. W. 62-DUR
 Distribution of the transuranic elements in mammals
 Health Phys. 8, 665-671 (1962)
 NSA 17, 10324

DURBIN, P. W., N. Jeung and M. H. Williams 69-DUR
 Dynamics of ^{241}Am in the skeleton of the rat: A study of the
 relationship between behavior of bone-seeking elements and bone
 growth status
 In: Delayed Effects of Bone-Seeking Radionuclides (C. W. Mays, et
 al., eds., Univ. of Utah Press, Salt Lake City) 137-156 (1969)
 NSA 23, 38421

DURBIN, P. W. 71-DUR
 Plutonium in man: A twenty-five year review
 Doc. UCRL-20850, 141 p. (1971) NSA 26, 15527

DURBIN, P. W., M. W. Horovitz and E. R. Close 72-DUR
 Plutonium deposition kinetics in the rat
 Health Phys. 22, 731-741 (1972) NSA 26, 38787

DURBIN, P. W. 72-DUR-2
 Plutonium in man: A new look at the old data
 In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee,
 eds., J. W. Press, Salt Lake City) 469-530 (1972)
 NSA 26, 41270

DURBIN, P. W. 73-DUR
 Metabolism and biological effects of the transplutonium
 elements
 In: Uranium-Plutonium-Transplutonic Elements (H. C. Hodge,
 J. N. Stannard and J. B. Hursh, eds., Springer-Verlag, New
 York) 739-896 (1973) NSA 29, 27140

DURBIN, P. 74-DUR-2
 Behavior of plutonium in animals and man
 In: Plutonium Information Meeting for an Ad Hoc Subcommittee
 of the Advisory Committee on Reactor Safeguards, Doc. CONF-740115,
 30-55 (1974) NSA 31, 14412

DURBIN, P. W. See also: 74-GAV

DYMOND, B. See: 64-SMH

EAGLE, M. C. See: 72-NED, 72-NED-2

EAGLE, R. J. See: 74-NOS-2

EAKINS, J. D., and A. Morgan

64-EAK

The role of faecal analysis in a bioassay program
In: Assessment of Radioactivity in Man, Vol. 1 (International Atomic Energy Agency, Vienna) 231-244 (1964) NSA 18, 33266

EASTON, C. R. See: 68-ANO

EBEL, H. See: 75-PLA

EDLING, D. A., L. G. Musen and B. L. Deel

72-EDL

Health Physics aspects of working with $^{238}\text{PuO}_2$ microspheres
In: Health Physics Operational Monitoring, Vol. 1 (C. A. Willis, ed., Gordon and Breach, New York) 449-470 (1972)
NSA 29, 30201

EDLING, D. A., and H. F. Anderson

72-EDL-2

Differences in applied health physics problems and procedures between ^{238}Pu and ^{239}Pu
In: Health Physics Operational Monitoring, Vol. 1 (C. A. Willis, ed., Gordon and Breach, New York) 471-486 (1972) NSA 29, 30202

EDWARDS, R. See: 45-RUE

EGOROVA, T. M. See: 69-MOS-4

EHRET, R., H. Kiefer, R. Maushart and G. Moehrl

64-EHR

Performance of an arrangement of several large-area proportional counters for the assessment of ^{239}Pu lung burdens
In: Assessment of Radioactivity in Man, Vol. 1 (International Atomic Energy Agency, Vienna) 141-149 (1964) NSA 19, 30584

EISENBUD, M.

73-EIS

Environmental Radioactivity, 2nd. Ed., Academic Press, New York, 542 p. (1973) NSA 28, 27245

EL-ASSALY, F. M. See: 72-MOQ

ELDER, J. C., M. Gonzales and H. J. Ettinger

74-ELD

Plutonium aerosol size characteristics
Health Phys. 27, 45-53 (1974) NSA 30, 15423

ELKINA, N. I., and I. A. Tseveleva

61-ELK

Mineral and protein metabolism in bone tissues of rats in plutonium injury
Med. Radiol. 6(3), 58-63 (1961) translated in JPRS-11242, 126-134
NSA 16, 5175

ELKINA, N. I., and I. A. Tseveleva

62-ELK

Mineral and protein metabolism in bone tissue of plutonium-injured rats
In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow) 56-62 (1962) translated in FTD-TT-63-559, 77-87 NSA 17, 30250

ELKINA, N. I.

62-ELK-2

Blood serum proteins in plutonium injured dogs and rabbits
Radiobiologiya 2, 834-837 (1962) translated in AEC-tr-5433, 48-53 NSA 17, 15741 EP 5, 64

- ELKINA, N. I., and Z. B. Tokarskaya 63-ELK
 The problem of liver pathochemistry after injury with
 plutonium-239
 Vopr. Med. Khim. 9, 154-160 (1963) translated in JPRS-19995,
 1-9, and in Fed. Proc. Transl. Suppl. 23, T533-T535
 NSA 17, 28701; 18, 29209
- ELKINA, N. I. 63-ELK-2
 Effect of Pu^{239} on phosphatase activity and on Ca, P, and N
 contents of bone tissue in rabbits
 Radiobiologiya 3, 351-354 (1963) translated in AEC-tr-5436,
 32-36 NSA 17, 31926
- ELKINA, N. I. 67-ELK
 Calcium and phosphorous metabolism in rabbit bone under the
 effect of ^{239}Pu
 Radiobiologiya 7, 42-46 (1967) translated in AEC-tr-6886, 63-72
 NSA 21, 34593
- ELKINA, N. I., and R. E. Libinon 67-ELK-2
 Activity of alkaline and acid phosphatase in the bone tissue
 of rabbits affected with plutonium-239 (in Russian)
 Vop. Med. Khim. 13, 591-597 (1967) NSA 22, 23454
- ELKINA, N. I. 71-ELK
 Metabolic processes in the bone tissue of animals damaged by
 ^{239}Pu
 In: Remote Aftereffects of Radiation Damage (Y. I. Moskalev,
 ed., Atomizdat, Moscow) 372-380 (1971) translated in AEC-tr-7387,
 406-415 EP S3, 309
- ELKINA, N. I. See also: 62-BEL, 62-BEL-2, 66-LIB
- ELLIS, L. C., and D. L. Berliner 68-ELI
 The effects of ionizing radiations on endocrine cells. VI.
 Alterations in androgen biosynthesis by canine testicular
 tissue after the internal deposition of some radionuclides
 Radiat. Res. 32, 520-537 (1968) NSA 22, 43244
- EMERY, R. M., D. C. Klopfer and W. C. Weimer 74-EMR
 The ecological behavior of plutonium and americium in a fresh
 water ecosystem: Phase I. Limnological characterization and
 isotope distribution
 Doc. BNWL-1867, 76 p. (1974) NSA 31, 5987
- EMERY, R. M., and T. R. Garland 74-EMR-2
 Ecological behavior of plutonium and americium in a freshwater
 ecosystem. Phase II. Implications of differences in
 transuranic isotope ratios
 Doc. BNWL-1879, 29 p. (1974) NSA 31, 25779
- ENGLISH, S. G. See: 45-HEM
- ENGSTROM, A. See: 62-ULB
- ENOMOTO, Y., and O. Matsuoka 71-ENO
 A study of plutonium excretion into bile and its acceleration
 by cholagogues
 In: Final Report of Research Project on Plutonium Hazards, April
 1966 - March 1970 (M. Suzuki et al., eds., Doc. NIRS-Pu-8)
 33-35 (1971) PD 6, 1573 EP S1, 523
- ENVIRONMENTAL Plutonium Data Base Group 72-ENV
 Environmental Aspects of Plutonium - A Selected, Annotated
 bibliography
 Doc. ORNL-EIS-72-21, 387 p. (1972) NSA 27, 7561

ENVIRONMENTAL Plutonium Data Base Group Environmental aspects of plutonium and other elements - A selected, annotated bibliography Doc. ORNL-EIS-73-21 (Suppl. 1) 482 p. (1973) NSA <u>28</u> , 21068	73-ENV
ENVIRONMENTAL Plutonium Data Base Group Environmental aspects of plutonium and other elements - A selected, annotated bibliography Doc. ORNL-EIS-74-21 (Suppl. 2) 272 p. (1974) NSA <u>29</u> , 24191	74-ENV
ENVIRONMENTAL Plutonium Data Base Group (Applied Ecology Information Center) Environmental aspects of the transuranics. A selected annotated bibliography Doc. ORNL-EIS-74-31 (Suppl. 3), 226 p. (1974) NSA <u>31</u> , 5969	74-ENV-2
ENVIRONMENTAL Plutonium Data Base Group (Applied Ecology Information Center) Environmental Aspects of the Transuranics. A selected annotated bibliography Doc. ORNL-EIS-75-21-No. 5, 226 p. (1975) NSA <u>32</u> , 14289	75-ENV
ENVIRONMENTAL Plutonium Data Base Group (Applied Ecology Information Center) Environmental Aspects of the Transuranics. A Selected Annotated Bibliography Doc. ORNL-EIS-75-21-No. 6, 226 p. (1975) NSA <u>32</u> , 24339	75-ENV-2
EPSTEIN, R. J., and E. W. Johanson Apparatus for monitoring ^{239}Pu in wounds Health Phys. <u>12</u> , 29-35 (1966) NSA <u>20</u> , 9269	66-EPS
ERDMAN, H. E. Effects of ingested Pu-239 on fecundity, fertility and life span of habrobracon (hymenoptera-braconidae) Health Phys. <u>8</u> , 635-638 (1962) NSA <u>17</u> , 13918	62-ERD
ERDMAN, R. C. See: 74-MOA	
ERLEKSOVA, E. V. Distribution of Radioactive Elements in the Animal Organism (^{210}Po , ^{239}Pu and ^{90}Sr). Atlas., Medgiz, Moscow (1960) translated in AEC-tr-6982 (1969) NSA <u>23</u> , 45603	60-ERL
EROKHIN, R. A., N. A. Koshurnikova, E. R. Lyubchanskii, A. P. Nifatov and G. N. Reshetov Content and microdistribution of plutonium-239 in rat lung and liver and morphological changes in these organs after intratracheal administration of the isotope In: Distribution, Biological Effects, and Rapid Excretion of Radioactive Isotopes (Y. I. Moskaev, ed., Meditsina, Moscow) 42-61 (1964) translated in AEC-tr-7590, 42-62 NSA <u>19</u> , 40317	64-ERO
EROKHIN, R. A., N. A. Koshurnikova, V. K. Lemberg, E. R. Lyubchanskii and G. N. Reshetov Content and microdistribution of ^{239}Pu and morphological changes in the lungs of rats intratracheally administered this isotope In: Distribution and Biological Effects of Radioactive Isotopes (Y. I. Moskaev, ed., Atomizdat, Moscow) 96-103 (1966) translated in AEC-tr-6944, 122-130 NSA <u>23</u> , 22165	66-ERO
EROKHIN, R. A., N. A. Koshurnikova, V. K. Lemberg, A. P. Nifatov and A. A. Puzyrev Pulmonary tumors in rats following intratracheal introduction of soluble ^{239}Pu compounds (in Russian) Gig. Tr. Prof. Zabol. <u>13</u> (5), 61-63 (1969) PD <u>4</u> , 3266	69-ERO

EROKHIN, R. A., N. A. Koshurnikova, V. K. Lemberg, A. P. Nifatov and A. A. Puzyrev 71-ERO
 Some remote aftereffects of intratracheal administration of chemically soluble ^{239}Pu compounds
 In: Remote Aftereffects of Radiation Damage (Y. I. Moskaev, ed., Atomizdat, Moscow) 315-333 (1971) translated in AEC-tr-7387, 344-363 PD 7, 2070

EROKHIN, R. A. See also: 68-BUK, 68-BUL-2, 71-BUL-3, 71-BUL-4, 71-KOS-2, 72-KOS-2, 71-LEV-2, 61-RYS, 62-RYS, 74-TEA, 69-TSE

ERSHOV, E. B., D. P. Osanov and V. A. Rakova 70-ERS
 Distribution of ^{239}Pu in intact skin in its surface contamination (in Russian)
 Med. Radiol. 15(12), 44-46 (1970) NSA 25, 35092

ERSHOV, E. B., D. P. Osanov and V. P. Shamov 74-ERS
 Evaluation of radiation dangers during contamination of the skin with plutonium and americium (in Russian)
 In: Radiation Protection, Environment, and the Population (Staatliche Zentrale fur Strahlenschutz, Berlin, German Democratic Republic) 50-54 (1974) NSA 31, 8948

ERSHOV, E. B. See also: 71-OSA, 71-OSA-3

ESTOURNEL, R. See: 70-ROD

ETOH, H. 67-ETO
 Accidental injection into finger tip in preparation procedure of ^{239}Pu solution (in Japanese)
 Hoken Butsuri 2, 116-120 (1967) NSA 22, 21552

ETTINGER, H. J., W. D. Moss and H. Busey 67-ETI
 Characteristics of the aerosol produced from burning sodium and plutonium
 Nucl. Sci. Eng. 30, 1-13 (1967) NSA 21, 44882

ETTINGER, H. J., W. D. Moss and L. J. Johnson 72-ETI
 Size selective sampling for ^{239}Pu
 Health Phys. 23, 41-46 (1972) NSA 26, 50592

ETTINGER, H. J. See also: 74-ELD

EUSTLER, B. C. See: 58-FOR

EVANS, F. G. See: 62-TAD

EVANS, R. D. 62-EVA
 Remarks on the maximum permissible deposition of plutonium in man, and the safety factors in the pivot point radiation protection guide of 0.1 μCi of radium in man
 Health Phys. 8, 751-752 (1962) NSA 17, 10337

EVANS, R. D. 66-EVA
 The effect of skeletally deposited alpha-ray emitters in man
 Brit. J. Radiol. 39, 881-895 (1966) NSA 21, 8994

EVANS, R. D., A. T. Keane and M. M. Shanahan 72-EVA
 Radiogenic effects in man of long-term skeletal alpha-irradiation
 In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 431-468 (1972) NSA 26, 41232

EVE, I. S.

64-EVI

An outline of the metabolism of inhaled and ingested insoluble
radionuclides
Brit. J. Radiol. 37, 115-120 (1964) NSA 18, 11589

EYRING, H. See: 70-STB-2, 72-STB-4

FABRIKANT, J. I., and C. L. D. Smith Radiographic changes following the administration of bone-seeking radionuclides Brit. J. Radiol. <u>37</u> , 53-62 (1964) NSA <u>18</u> , 9848	64-FAB
FABRIKANT, J. I., T. H. S. Hsu, D. H. Knudson and C. L. D. Smith Effect of LET on radiation carcinogenesis: Comparison of single and fractionated doses of ^{239}Pu , ^{241}Am , ^{32}P , and X-rays on the production of osteosarcomas in rats In: Radionuclide Carcinogenesis (C. L. Sanders, et al., eds., Doc. CONF-720505) 322-346 (1973) NSA <u>28</u> , 18561	73-FAB
FAIR, D. R. R., and A. S. McLean The disposal of waste products in the sea. Part 3. The experimental discharge of radioactive effluents In: Proceedings of the International Conference on the Peaceful Uses of Atomic Energy, Vol. 9 (United Nations, Geneva) 716-717 (1956) EP <u>S2</u> , 193	56-FAD
FAIRCHILD, R. G., R. M. Drew and H. L. Atkins The relative biological effect of ^{252}Cf radiation on HeLa cells in culture Radiology <u>93</u> , 1187-1189 (1969) NSA <u>24</u> , 12220	69-FAI
FAIRCHILD, R. G., R. M. Drew and H. L. Atkins Dose-rate effects for various dose rates of ^{252}Cf radiation on HeLa cells in culture Radiology <u>96</u> , 171-174 (1970) NSA <u>24</u> , 39546	70-FAI
FAIRCHILD, R. G., R. M. Drew and H. L. Atkins Oxygen enhancement ratio for protracted irradiation with ^{252}Cf Radiology <u>96</u> , 661-665 (1970) NSA <u>25</u> , 8704	70-FAI-2
FAIRCHILD, R. G., R. M. Drew, H. L. Atkins and J. S. Robertson Oxygen enhancement ratio for californium-252 In: Advances in Radiation Research. Biology and Medicine. Vol. II. (J. F. Duplan, ed., Gordon and Breach, New York) 533-539 (1973) NSA <u>31</u> , 26030	73-FAI
FAIRCHILD, R. G. See also: 70-ATK, 72-ATK, 73-ATK, 72-DRM, 70-HAZ	
FARR, R. L. See: 68-ODL	
FASISKA, B. C., D. E. Bohning, A. Brodsky and J. Horm Urinary excretion of ^{241}Am under DTPA therapy Health Phys. <u>21</u> , 523-529 (1971) NSA <u>25</u> , 55118	71-FAS
FEDOROV, C. A. See: 70-LEI	
FEDOROVA, A. V. See: 73-SHU, 74-ZAP	
FEDOROVA, M. N. See: 73-KRI	
FELLOWS, M. H., L. Clark, Jr., J. J. O'Toole, D. B. Kimmel and W. S. S. Jee An improved technique for neutron-induced autoradiography of bone containing plutonium Health Phys. <u>29</u> , 97-101 (1975) NSA <u>32</u> , 28325	75-FEL
FILATOV, V. V. See: 71-OSA-2, 73-OSA	

FILIPPOVA, L. G., and A. P. Nifatov Pneumosclerosis and tumors of the lungs in rats after intratracheal administration of americium-241 Radiobiologiya 14, 366-368 (1974) translated in AEC-tr-7596, 58-61 NSA <u>31</u> , 16845	74-FIL
FILIPPOVA, L. G., and A. P. Nifatov Extrapulmonary tumors in rats after intratracheal administration of americium-241 Radiobiologiya 14, 793-796 (1974) translated in ERDA-tr-1, 183- 187 NSA <u>32</u> , 6798	74-FIL-2
FILIPPOVA, L. G. See also: 71-BUL-3, 72-BUL-3, 72-BUL-4, 74-MOS-3, 71-NIF-2, 72-NIF-2	
FINK, R. M., and K. S. Cole Radium-plutonium, polonium-plutonium ratios In: Report of Conference on Plutonium (J. J. Nickson, ed., Doc. CN-3167) 46-56 (1945) EP <u>S3</u> , 294	45-FIR
FINK, R. M. (ed.) Biological Studies with Polonium, Radium and Plutonium, McGraw-Hill, New York, 411 p. (1950) NSA <u>4</u> , 4188	50-FIR
FINK, R. M. See also: 50-BOY, 50-BOY-2	
FINKEL, M. P. The transmission of radiostrontium and plutonium from mother to offspring in laboratory animals Physiol. Zool. <u>20</u> , 405-421 (1947) NSA <u>30</u> , 21409 EP <u>S3</u> , 433	47-FIN
FINKEL, M. P. Absorption of ingested Pu In: Doc. CH-3782, 44-49 (1947) EP <u>6</u> , 39	47-FIN-2
FINKEL, M. P. Some further notes on the mice treated with plutonium before weaning In: Doc. ANL-4078, 66-75 (1947) NSA <u>1</u> , 40-H	47-FIN-3
FINKEL, M. P. Relative biological effectiveness of radium and other alpha emitters in CF No. 1 female mice Proc. Soc. Exptl. Biol. Med. <u>83</u> , 494-498 (1953) NSA <u>8</u> , 1802	53-FIN
FINKEL, M. P. Relative biological effectiveness of internal emitters Radiology <u>67</u> , 665-672 (1956) NSA <u>11</u> , 869	56-FIN
FINKEL, M. P. Late effects of internally deposited radioisotopes in laboratory animals Radiat. Res. Suppl. 1, 265-279 (1959) NSA <u>13</u> , 15906	59-FIN
FINKEL, M. P., B. O. Biskis, R. J. Flynn, I. L. Greco and P. Bergstrand-Jinkins The toxicity of radioisotopes in dogs: status in quo In: Doc. ANL-6464, 38-49 (1961) EP <u>S2</u> , 306	61-FIN
FINKEL, M. P., and B. O. Biskis Toxicity of plutonium in mice Health Phys. <u>8</u> , 565-579 (1962) NSA <u>17</u> , 10317	62-FIN

FINKEL, M. P., and B. O. Biskis 68-FIN
 Experimental induction of osteosarcomas
 Progr. Exp. Tumor Res. 10, 72-111 (1968) NSA 23, 20405

FINKEL, M. P. See also: 47-BRM, 47-LIS, 50-SCH

FINKLE, R. D. 45-FID
 Distribution of injected plutonium
 In: Report of Conference on Plutonium (J. J. Nickson, ed.,
 Doc. CN-3167) 5-9 (1945) EP 53, 288

FINKLE, R. D., R. H. Snyder, L. O. Jacobson, W. Kisielecki,
 B. Lawrence and E. L. Simons 46-FID
 The toxicity and metabolism of plutonium in laboratory animals
 Doc. MDDC-1140 (CH-3783), 197 p. (1946) ADD 1, 1140

FINKLE, R. D. See also: 46-SNR, 46-SNR-2, 46-SNR-3

FINNEGAN, C. See: 55-FOR, 56-FOR, 57-FOR

FISH, B. R., R. L. Walker, G. W. Royster and J. L. Thompson 67-FIS
 Redispersion of settled particulates
 In: Surface Contamination (B. R. Fish, ed., Pergamon Press, Oxford)
 75-81 (1967) NSA 19, 24724 PD 2, 1684

FISH, B. R., G. W. Keilholtz, W. S. Snyder and C. D. Swisher 72-FIS
 Calculation of doses due to accidentally released plutonium
 from an LMFBF
 Doc. ORNL-NSIC-74, 123 p. (1972) NSA 27, 4446

FISHER, H. See: 43-OVE, 46-SCK-2, 48-SCK

FISHER, W. See: 62-LOR, 62-TAG

FLEISCHER, R. L. 75-FLE
 On the "dissolution" of respirable PuO₂ particles
 Health Phys. 29, 69-73 (1975) NSA 32, 28316

FLYGER, H. See: 70-GJO

FLYNN, R. J. See: 61-FIN

FOLSOM, T. R., and V. F. Hodge 74-FOL
 Early surveillance around coastal nuclear installations
 In: Environmental Surveillance Around Nuclear Installations. Vol. I.
 (International Atomic Energy Agency, Vienna) 289-299 (1974) NSA
31, 14028

FOLSOM, T. R. See also: 73-HOV, 74-HOV, 74-HOV-2, 64-PIL, 71-WON-2,
 72-WON

FORD, M. R. See: 68-SNY, 72-SNY-2

FOREMAN, H., and J. G. Hamilton 51-FOR
 The use of chelating agents for accelerating excretion of
 radioelements
 Doc. UCRL-1351, or AECD-3247, 18 p. (1951) NSA 5, 6043

FOREMAN, H., M. Vier and M. Magee 53-FOR
 The metabolism of C¹⁴-labeled ethylenediaminetetraacetic acid
 in the rat
 J. Biol. Chem. 203, 1045-1053 (1953) BA 28, 13626

FOREMAN, H., P. A. Fuqua and W. D. Norwood 54-FOR
 Experimental administration of ethylenediamine-tetraacetic acid
 in plutonium poisoning
 Arch. Ind. Hyg. Occup. Med. 10, 226-231 (1954) NSA 8, 5483

FOREMAN, H., and T. T. Trujillo Metabolism of C^{14} labeled ethylene diamine tetraacetic acid in human beings J. Lab. Clin. Med. <u>43</u> , 566-571 (1954) BA <u>29</u> , 1012	54-FOR-2
FOREMAN, H., T. T. Trujillo, O. Johnson and C. Finnegan Ca EDTA and the excretion of plutonium Proc. Soc. Exptl. Biol. Med. <u>89</u> , 339-342 (1955) NSA <u>9</u> , 6172	55-FOR
FOREMAN, H., C. Finnegan and C. C. Lushbaugh Nephrotoxic hazard from uncontrolled edathemil calcium-disodium therapy J. Am. Med. Assoc. <u>160</u> , 1042-1046 (1956) EP <u>S2</u> , 210	56-FOR
FOREMAN, H. Clinical experiences in removal of radioelements from the body In: Therapy of Radioelement Poisoning (M. W. Rosenthal, ed., Doc. ANL-5584) 12-22 (1956) EP <u>S3</u> , 344	56-FOR-2
FOREMAN, H., J. Post and C. Finnegan The effect of x-irradiation on the absorption of plutonium in the gastrointestinal tract Radiat. Res. <u>7</u> , 267-269 (1957) NSA <u>12</u> , 1177	57-FOR
FOREMAN, H., W. Moss and B. C. Eustler Clinical experiences with radioactive materials Am. J. Roentgenol. Radium Therapy Nuclear Med. <u>79</u> , 1071-1079 (1958) NSA <u>12</u> , 8955	58-FOR
FOREMAN, H., W. Moss and W. Langham Plutonium accumulation from long-term occupational exposure Health Phys. <u>2</u> , 326-333 (1960) NSA <u>14</u> , 18754	60-FOR
FOREMAN, H. The application of chelating agents for hastening excretion of radioelements In: Metal Binding in Medicine (M. J. Seven, ed., J. B. Lippincott, Philadelphia) 160-168 (1960) EP <u>S2</u> , 282	60-FOR-2
FOREMAN, H. Studies on the mechanism of plutonium uptake by bone Health Phys. <u>8</u> , 713-716 (1962) NSA <u>17</u> , 10331	62-FOR
FOREMAN, H. Effect of DTPA on acceleration of excretion of actinide elements Health Phys. <u>8</u> , 735-737 (1962) NSA <u>17</u> , 10335	62-FOR-2
FOREMAN, H. Medical management of radioactively contaminated wounds In: Diagnosis and Treatment of Radioactive Poisoning (International Atomic Energy Agency, Vienna) 387-411 (1963) NSA <u>17</u> , 28640	63-FOR
FOREMAN, R. L. See: 74-HOV-2	
FORKER, L. L. See: 46-ABR, 47-ABR	
FOSTER, R. F. Environmental behavior of chromium and neptunium In: Radioecology (V. Schultz and A. W. Klement, Jr., eds., Reinhold, New York) 569-576 (1963) NSA <u>17</u> , 33609	63-FOS

FOWLER, E. B., J. R. Buchholz, C. W. Christenson, W. H. Adams,
 E. R. Rodrigues, M. Celma, E. Iranzo and C. A. Ramis 68-FOW
 Soils and plants as indicators of the effectiveness of a gross
 decontamination procedure
 In: Radiological Protection of the Public in a Nuclear Mass
 Disaster. Proceedings of a Symposium, Interlaken, Switzerland,
 1968 (H. Brunner and S. Pretre, eds., Fachverband fuer
 Strahlenschutz) 456-459 (1968) NSA 23, 20201

FOWLER, E. B., R. W. Henderson and M. F. Milligan (eds.) 71-FOW
 Proceedings of Environmental Plutonium Symposium held at LASL,
 August 4-5, 1971
 Doc. LASL-4756, 119 p. (1971)

FOWLER, E. B. See also: 70-ADM, 75-ADM, 71-BUJ

FOX, J. M. See: 68-ALK

FRADKIN, G. E., and V. F. Ushakova 63-FRA
 Analysis of the effectiveness of complexing agents which accelerate
 the elimination of radioactive isotopes from the body
 In: Chemical Protection of the Body Against Ionizing Radiation (V. S.
 Balabukha, ed., Macmillan, New York) 147-162 (1963) NSA 18,
 6611

FRADKIN, G. E. See also: 58-BAV

FRANCE, O. See: 45-RUE

FRANCIS, C. W. 73-FRC
 Plutonium mobility in soil and uptake in plants: A review
 J. Environ. Qual. 2, 67-70 (1973) NSA 28, 384

FRASER, D. C. 67-FRD
 Health physics problems associated with the production of
 experimental reactor fuels containing plutonium dioxide
 Health Phys. 13, 1133-1143 (1967) NSA 21, 46971

FRASER, D. C. See also: 70-RAM

FRENCH, E. See: 62-KRP

FRENKEL, A. See: 50-BOY

FRIED, J. F., E. H. Graul, J. Schubert and W. M. Westfall 59-FRI
 Superior chelating agents for the treatment of plutonium
 poisoning
 Atompraxis 5, 1-5 (1959) NSA 13, 8556

FRIED, J. F. See also: 61-SCH-2

FRIEND, J. P. (ed.) 61-FRJ
 The high altitude sampling program: Vol. 5. Supplementary
 HASP studies
 Doc. DASA-1300 (Vol. 5), 313 p. (1961) NSA 16, 6644
 EP S1, 49

FRY, F. A. See: 72-NED

FRYXELL, R. See: 47-CAR

FUJITA, M. See: 72-SHI, 73-SHI

FUKUMOTO, T. See: 67-MAO

FUQUA, P. A.

65-FUQ

Plutonium absorption - evaluation and treatment
Ind. Med. Surg. 34, 335-337 (1965) NSA 19, 36129

FUQUA, P. A. See also: 54-FOR, 72-NEL-2, 68-NEW, 56-NOR, 58-NOR,
69-NOR

GAGE, A. A. See: 73-LAU

GAGLIONE, M. P. See: 68-DEB, 69-DEB, 69-DEB-2

GALLEGOS, A. F. See: 72-MCR-2

GANGULY, A. K. See: 70-BAI-5

GARLAND, T. R. See: 74-EMR-2, 74-WIE

GATROUSIS, C. See: 74-NOS, 74-NOS-2

GAVANKAR, H. G. 72-GAV
 Risk and emergency radiation doses from plutonium dioxide
 exposures (Thesis - Univ. of California, Berkeley)
 Doc. TID-26142, 99 p. (1972) NSA 26, 53511

GAVANKAR, R., P. W. Durbin and T. H. Pigford 74-GAV
 Basis for assessment of radiation risks for a hypothetical
 release of plutonium dioxide from a fast reactor accident
 In: Proceedings of the Fast Reactor Safety Meeting, Doc. CONF-
 740401-P1, 498-513 (1974) NSA 31, 820

GEESAMAN, D. P. 68-GES
 Analysis of the carcinogenic risk from an insoluble alpha-
 emitting aerosol deposited in deep respiratory tissue
 Doc. UCRL-50387, 19 p. (1968) NSA 22, 33819

GEESAMAN, D. P. 68-GES-2
 An analysis of the carcinogenic risk from an insoluble alpha-
 emitting aerosol deposited in deep respiratory tissue: Addendum
 Doc. UCRL-50387 (Add.) 11 p. (1968) NSA 23, 29826

GEIGER, E. L. and S. M. Sanders, Jr. 57-GEI
 Acute uptake of plutonium and uranium following wound contamination
 Proc. Health Phys. Soc. 61-66 (1957) NSA 12, 8288

GEORGE, D. L. See: 73-BEY

GEORGE, L. A., N. L. Dockum and L. K. Bustad 56-GEO
 Decontamination of pig skin contaminated with a plutonium solution
 Doc. HW-44526, 14 p. (1956) NSA 12, 7672

GEORGE, L. A., Jr., N. L. Dockum and L. K. Bustad 57-GEO
 Removal of plutonium from pig skin
 In: Doc. HW-47500, 146-156 (1957) EP S2, 223

GEORGE, L. A., Jr. See also: 62-BAI-3, 62-BAL, 62-BUS, 60-SUL,
 56-WEK

GIBB, F. R. See: 67-MOP, 70-YUI

GILBERT, R. O. See: 73-ROM, 75-ROM

GILLETTE, R. 73-GIL
 Radiation spill at Hanford: The anatomy of an accident
 Science 181 728-730 (1973)

GILLETTE, R. 74-GIL
 Plutonium and the "hot particle problem": Environment group
 proposes a draconian answer
 Science 183, 834-835 (1974) PD 8, 3243

GILLETTE, R. Plutonium (I): Questions of health in a new industry Science <u>185</u> , 1027-1032 (1974) NSA <u>30</u> , 29773	74-GIL-2
GILLETTE, R. Plutonium (II): Watching and waiting for adverse effects Science <u>185</u> , 1140-1143 (1974) NSA <u>30</u> , 29790	74-GIL-3
GIMBERT, J. L. See: 70-KUN-2	
GJORUP, H. L., H. E. Busch, H. Flyger, J. Lippert, H. C. Rosenbaum, A. Aarkrog, H. Hansen, H. Kunzendorf, L. Lovborg, B. Skytte-Jensen and E. Sorensen Investigation and evaluation of contamination levels [Thule incident] USAF Nuclear Safety <u>65</u> , (Part 2) Spec. Edition AFRP 122-1, 57-63 (1970)	70-GJO
GLAUBERMANN, H., W. R. Bootmann and A. J. Breslin Studies of the significance of surface contamination In: Surface Contamination (B. R. Fish, ed., Pergamon Press, Oxford) 169- 178 (1967) NSA <u>22</u> , 23546 PD <u>2</u> , 1686	67-GLA
GLENN, D. W. See: 71-WIT	
GNEUSHEVA, G. I. Uptake of ^{239}Pu into agricultural plants from soil (in Russian) Biol. Nauki <u>14</u> (8), 60-63 (1971) PD <u>7</u> , 2081	71-GNE
GNEUSHEVA, G. I., M. M Saurov, T. F. Voronina and G. P. Novoselova Quantitative features of transfer of ^{239}Pu from water into soil (in Russian) Biol. Nauki <u>14</u> (10), 54-56 (1971) PD <u>7</u> , 2082	71-GNE-2
GOFMAN, J. W. Cancer Hazard from Inhaled Plutonium, Committee for Nuclear Responsibility, Dublin, California, 33 p. (1975)	75-GOF
GOFMAN, J. W. Estimated Production of Human Lung Cancers by Plutonium from Worldwide Fallout, Committee for Nuclear Responsibility, Dublin, California, 35 p. (1975)	75-GOF-2
GOLDEN, P. A. See 70-MAE	
GOLDMAN, M. See: 72-BUS	
GOLDTHORPE, H. C. Effect of aging and internal irradiation on blood chemistry In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al., eds., Pergamon Press, Oxford) 117-129 (1962) NSA <u>17</u> , 19890	62-GOL
GOLDTHORPE, H. C. See also: 62-DOT	
GOMEZ, L. S., J. L. Lebel and R. L. Watters Effect of lymph node removal on PuO_2 translocation Health Phys. <u>22</u> , 833-836 (1972) NSA <u>26</u> , 38797	72-GOM
GOMEZ, L. S. Lymph transport of $^{239}\text{PuO}_2$ in dogs Thesis, Colorado State University, Doc. C00-1787-17, 76 p. (1973) PD <u>6</u> , 5006	73-GOM
GOMEZ, L. S., R. W. Bistline, G. E. Dagle, J. L. Lebel and R. L. Watters Effect of delayed lymphadenectomy on $^{239}\text{PuO}_2$ translocation in dogs Health Phys. <u>27</u> , 213-215 (1974) NSA <u>30</u> , 29820	74-GOM

GOMEZ, L. S. See also: 75-DAG-2

GONGORA, G., R. Gongora and H. Jammet 72-GON
Method for evaluating ^{241}Am burdens in the lung
In: Assessment of Radioactive Contamination in Man (International Atomic Energy Agency, Vienna) 623-633 (1972) NSA 26, 56538

GONGORA, R. See also: 72-GON, 64-PIJ

GONZALES, M. See: 74-ELD

GRAHAM, T. E. 56-GRA
Treatment of two plutonium cases with zirconium malate in England
In: Therapy of Radioelement Poisoning (M. W. Rosenthal, ed., Doc. ANL-5548) 48-52 (1956) EP S2, 202

GRAUL, E. H. See: 59-FRI

GRECO, I. L. See: 61-FIN

GREENBERG, D. See: 46-ABR, 47-ABR

GREENE, D. See: 73-NIA

GREGORIDES DE LOS SANTOS, A. See: 70-ALV

GRIDGEMAN, N. T. 71-GRI
Methods of assay of the relative toxicity of certain bone-seeking radionuclides
Radiat. Res. 48, 291-302 (1971) NSA 26, 12469

GRIFFIN, B. I. See: 67-SWI

GROMOV, V. V., V. I. Spitsyn and V. V. Surikov 74-GRO
Ultrafiltration studies of the state of plutonium and ruthenium in seawater (in Russian)
Radiokhimiya 16, 312-16 (1974) PD 8, 3223

GROMOV, V. V., and V.I. Spitsyn 74-GRO-2
Uptake of plutonium, ruthenium and technetium by phytoplankton
Dokl. Akad. Nauk SSSR 215, 214-217 (1974) translated in Dokl. Biol. Sci. 215 (1-6), 147-150 (1974), also as ORNL-tr-2907 NSA 31, 8653

GROMOV, V. V., and V. I. Spitsyn 74-GRO-3
Influence of phytoplankton on the physicochemical state of ^{239}Pu , ^{99}Tc , and ^{60}Co in sea water
Dokl. Akad. Nauk SSSR 215, 451-453 (1974) translated in Dokl. Biol. Sci. 215 (1-6), 151-153 (1974), also as ORNL-tr-2911 NSA 31, 8654

GROULX, P. R. See: 69-MAG

GUDEKSEN, P. H., and O. D. T. Lynch, Jr. 75-GUD
Radioactivity levels in Eniwetok soil
Health Phys. 29, 17-25 (1975) NSA 32, 27940

GUILMETTE, R. A. See: 74-CON

GURNEY, M. E. See: 75-FOL

GUZAK, S. See: 67-LUS

HACKETT, P. L. Effect of repeated zirconium citrate injections on distribution of plutonium in the rat Proc. Soc. Exptl. Biol. Med. <u>83</u> , 710-712 (1953) BA <u>28</u> , 5977	53-HAC
HACKETT, P. L. See also: 60-SUL	
HAGEN, C. W. See: 45-RUE	
HAJEK, B. F. Plutonium and americium mobility in soils Doc. BNWL-CC-925 (1966) NSA <u>21</u> , 25971	66-HAJ
HAKONSON, T. E., and L. J. Johnson Distribution of environmental plutonium in the Trinity Site ecosystem after 27 years In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder, ed., Doc. CONF-730901-P1) Vol. 1, 242-247 (1974) EP <u>S3</u> , 266	74-HAK-1
HAKONSON, T. E., L. J. Johnson and W. D. Purtymun Distribution of plutonium in liquid waste disposal areas at Los Alamos In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder, ed., Doc. CONF-730901-P1) Vol. 1, 248-253 (1974) EP <u>5</u> , 325	74-HAK-2
HALE, V. Q., and A. Wallace Effect of chelates on uptake of some heavy metal radionuclides from soil by bush beans Soil Sci. <u>109</u> , 262-263 (1970) NSA <u>24</u> , 25371	70-HAQ
HALE, V. Q. See also: 69-WAC	
HALL, E. J., and R. G. Fairchild Radiobiological measurement with californium-252 Brit. J. Radiol. <u>43</u> , 263-266 (1970)	70-HAZ
HALL, E. J., H. H. Rossi and L. A. Roizin Low-dose-rate irradiation of mammalian cells with radium and californium-252 Radiology <u>99</u> , 445-451 (1971) NSA <u>25</u> , 37809	71-HAZ
HALL, E. J. A determination of the oxygen enhancement ratio for ^{252}Cf using cultured mammalian cells Brit. J. Radiol. <u>45</u> , 284-288 (1972) PD <u>6</u> , 674T, 675T	72-HAZ
HALL, E. J. A comparison of radium and californium 252 using cultured mammalian cells Radiology <u>102</u> , 173-179 (1972) NSA <u>26</u> , 22998	72-HAZ-2
HALL, E. J., L. A. Roizin-Towle and R. D. Colvett RBE and OER determinations for radium and californium-252 Radiol. <u>110</u> , 669-704 (1974) NSA <u>29</u> , 24424	74-HAZ
HALL, E. J., and H. H. Rossi Californium-252 in Teaching and Research, International Atomic Energy Agency, Vienna, 147 p. (1974) NSA <u>31</u> , 11530	74-HAZ-2
HALL, R. J. See: 73-SEL	
HALL, R. M. See: 69-VER	
HAMARD, J. Maximum permissible concentration of ^{239}Pu in air (in French) Radioprotection <u>7</u> , 103-111 (1972) NSA <u>27</u> , 7801	72-HAX

HAMILTON, J. G. Technical progress report on the metabolic studies of fission products Doc. MDDC-1061 (CH-1572), 2 p. (1944) ADD <u>1</u> , 1061	44-HAM
HAMILTON, J. G. Metabolism of product for period ending October 15, 1944 Doc. CN-2383, 22 p. (1944) NSA <u>30</u> , 21425	44-HAM-2
HAMILTON, J. G. Technical progress report on the metabolic studies of product In: Doc. CN-2786, 29-31 (1945) EP <u>5</u> , 74	45-HAM
HAMILTON, J. G. Technical progress report on the metabolic studies of product In: Doc. CN-2905, 21-23 (1945)	45-HAM-2
HAMILTON, J. G. The metabolism of the fission products and the heaviest elements Radiology <u>49</u> , 325-343 (1947) BA <u>22</u> , 10789	47-HAM
HAMILTON, J. G. The metabolic properties of the fission products and actinide elements Rev. Mod. Phys. <u>20</u> , 718-728 (1948) BA <u>23</u> , 14382	48-HAM
HAMILTON, J. G. The metabolism of the radioactive elements created by nuclear fission New Engl. J. Med. <u>240</u> , 863-870 (1949) NSA <u>3</u> , 216	49-HAM
HAMILTON, J. G. Metabolic properties of plutonium and allied materials. Tracer studies. Neptunium-237 In: Doc. UCRL-414, 6-9 (1949)	49-HAM-2
HAMILTON, J. G., and P. Wallace Medical and health physics quarterly report: Aerosol studies Doc. UCRL-2345 Supp., 6 p. (1953) NSA <u>10</u> , 6097	53-HAM
HAMILTON, J. G., and K. G. Scott Effect of calcium salt of versene upon metabolism of plutonium in the rat Proc. Soc. Exptl. Biol. Med., <u>83</u> , 301-305 (1953) BA <u>28</u> , 3494	53-HAM-2
HAMILTON, J. G. See also: 52-ASL-2, 47-COP, 46-CRJ, 51-FOR, 50-KAW, 46-LAH, 46-SCK-2, 48-SCK, 48-SCK-2, 49-SCK, 49-SCK-2	
HAMMARSTROEM, L., and A. Nilsson Radiopathology of ^{241}Am . I. Distribution of americium in adult mice Acta Radiol., Ther., Phys., Biol. <u>9</u> , 433-442 (1970) NSA <u>25</u> , 18901	70-HAL
HAMMARSTROEM, L., and A. Nilsson Radiopathology of ^{241}Am . II. Uptake in the developing teeth of rats Acta Radiol., Ther., Phys., Biol. <u>9</u> , 609-617 (1970) NSA <u>25</u> , 44759	70-HAL-2
HAMMER, W. M. See: 62-TAD	
HAMMOND, S. E., and E. A. Putzier Observed effects of plutonium in wounds over a long period of time Health Phys. <u>10</u> , 399-406 (1964) NSA <u>18</u> , 29211	64-HAS

HAMMOND, S. E., C. R. Lagerquist and J. R. Mann Americium and plutonium urine excretion following acute inhalation exposures to high-fired oxides Am. Ind. Hyg. Assoc. J. <u>29</u> , 169-172 (1968) NSA <u>22</u> , 28351	68-HAS
HAMMOND, S. E. Industrial-type operations as a source of environmental plutonium In: Proceedings of Environmental Plutonium Symposium (E. B. Fowler, et al., eds., Doc. LA-4756) 25-35 (1971) PD <u>6</u> , 2205	71-HAS
HAMMOND, S. E. See also: 70-JOL-2, 72-JOL-2, 65-LAG, 69-LAG, 71- LAG, 72-LAG, 72-LAG-2, 73-LAG, 65-PUT	
HANCOCK, N. V. See: 64-PEN	
HANSEN, H. See: 70-GJO	
HANSER, H. See: 68-ALK	
HANSON, W. C. Plutonium in lichen communities of the Thule, Greenland region during the summer of 1968 Health Phys. <u>22</u> , 39-42 (1972) NSA <u>26</u> , 15547	72-HAN
HANSON, W. C. Behavior of plutonium in the environment In: Plutonium Information Meeting for an Ad Hoc Subcommittee of the Advisory Committee on Reactor Safeguards, Doc. CONF-740115, 64-71 (1974) NSA <u>31</u> , 14018	74-HAN
HANSON, W. C. Ecological considerations of the behavior of plutonium in the environment Health Phys. <u>28</u> , 529-537 (1975) NSA <u>32</u> , 11547	75-HAN
HAQUE, A. K. M. M. See: 68-BEV	
HARDY, E. P., and P. W. Krey Determining the accumulated deposit of radionuclides by soil sampling In: Proceedings of Environmental Plutonium Symposium (E. B. Fowler, et al., eds., Doc. LA-4756) 37-42 (1971) PD <u>6</u> , 2206	71-HAR
HARDY, E. P., Jr., P. W. Krey and H. L. Volchok Global inventory and distribution of ²³⁸ Pu from Snap-9A Doc. HASL-250, 32 p. (1972) PD <u>6</u> , 3283	72-HAR
HARDY, E. P., P. W. Krey and H. L. Volchok Plutonium fallout in Utah In: Doc. HASL-257, I.95-I.118 (1972) NSA <u>26</u> , 45526	72-HAR-2
HARDY, E. P., P. W. Krey and H. L. Volchok Global inventory and distribution of fallout plutonium Nature <u>241</u> , 444-445 (1973) NSA <u>27</u> , 27584	73-HAR
HARDY, E. P. Worldwide distribution of plutonium (part of AEC presentation at EPA Plutonium Standards Hearings, December 10-11, 1974) In: Doc. WASH-1359, 115-128 (1974) NSA <u>31</u> , 16527	74-HAR
HARDY, E. P. See also: 70-KRP	

HARLEY, J. H. Worldwide plutonium fallout from weapons tests In: Proceedings of Environmental Plutonium Symposium (E. B. Fowler, et al., eds., Doc. LA-4756) 13-19 (1971) PD <u>6</u> , 2203	71-HAE
HARLEY, J. H. See also: 75-HAI	
HARLEY, N. H., B. S. Pasternack and J. H. Harley Alpha absorption measurements applied to lung dose from plutonium-239 Health Phys. <u>28</u> , 61-67 (1975) NSA <u>31</u> , 23025	75-HAI
HARPER, R. M. Dismantling an alpha-contaminated facility Health Phys. <u>27</u> , 429-432 (1974)	74-HAP
HARRIS, P. S. See: 50-LAN, 66-LAN	
HARRIS, S. J. See: 75-ALM	
HARVEY, J. R. Alpha radiation, an external radiation hazard Health Phys. <u>21</u> , 866-868 (1971) NSA <u>26</u> , 9550	71-HAV
HAYES, R.L., J. J. Rafter, L. C. Washburn and B. I. Byrd Affinity of ²⁵³ Es for tumor tissue Nature New Biol. <u>246</u> , No. 149, 23-25 (1973) NSA <u>29</u> , 8101	73-HAW
HAYNES, C. E. Transuranium element health physics and safety at Oak Ridge National Laboratory In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 291-325 (1971) NSA <u>25</u> , 37817	71-HAY
HEALY, J. W. Estimation of plutonium lung burden by urine analysis Amer. Ind. Hyg. Assoc. Quart., <u>18</u> , 261-266 (1957) NSA <u>11</u> , 12659 EP <u>S3</u> , 346	57-HEA
HEALY, J. W. Approach to plutonium surface contamination levels In: Proceedings of the Rocky Flats Symposium on Safety in Plutonium Handling Facilities (Doc. CONF-710401) 352-364 (1971) NSA <u>25</u> , 55195	71-HEA
HEALY, J. W. Some thoughts on plutonium in soils In: Proceedings of Environmental Plutonium Symposium (E. B. Fowler, et al., eds., Doc. LA-4756) 113-115 (1971) PD <u>6</u> , 2213	71-HEA-2
HEALY, J. W. A proposed interim standard for plutonium in soil Doc. LA-5483-MS, 100 p. (1974) NSA <u>29</u> , 29342	74-HEA
HEALY, J. W., C. R. Richmond and E. C. Anderson A review of the Natural Resources Defense Council Petition concerning limits for insoluble alpha emitters Doc. LA-5810-MS, 20 p. (1974) NSA <u>31</u> , 8954	74-HEA-2
HEALY, J. W. See also: 73-LAN, 58-NOR, 58-SCL	

HEID, K. R., R. C. Henle and J. M. Selby Prompt mitigatory action after accidental exposure to radionuclides In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 593-599 (1968) NSA <u>21</u> , 36564; <u>23</u> , 24658	68-HEI
HEID, K. R., and J. J. Jech Assessing the probable severity of plutonium inhalation cases Health Phys. <u>17</u> , 433-447 (1969) NSA <u>23</u> , 45773	69-HEI
HEID, K. R., J. J. Jech and B. V. Andersen Interpretation of data on internal plutonium contamination In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 437-468 (1971) NSA <u>25</u> , 37800	71-HEI
HEID, K. R., and J. J. Jech Prompt handling of cases involving accidental exposure to plutonium In: Health Physics Operational Monitoring, Vol. 3 (C. A. Willis, ed., Gordon and Breach, New York) 1621-1639 (1972) NSA <u>29</u> , 29862	72-HEI
HEID, K. R. See also: 69-JEC, 72-JEC, 68-LAR, 72-NEL-2, 68-NEW	
HELD, E. E. Radiological resurvey of animals, soils and ground water at Bikini Atoll, 1969-1970 Doc. NVO-269-8 (Rev. 1), 44 p. (1971) NSA <u>26</u> , 41291 EP <u>S1</u> , 313	71-HED
HELLER, M. Bone In: Histopathology of Irradiation from External and Internal Sources (W. Bloom, ed., McGraw Hill, New York) 70-161 (1948)	48-HEL
HELLER, M. The testis In: Histopathology of Irradiation from External and Internal Sources (W. Bloom, ed., McGraw Hill, New York) 550-597 (1948)	48-HEL-2
HEMPELMANN, L. H., S. T. Cantril, J. E. Wirth, J. J. Nickson and S. G. English Summary of requests for information desired concerning plutonium In: Report of Conference on Plutonium (J. J. Nickson, ed., Doc. CN-3167) 1-4 (1945) EP <u>S3</u> , 287	45-HEM
HEMPELMANN, L. H., and W. H. Langham Determination of systemically deposited plutonium in laboratory personnel and a simple quantitative test for exposure to airborne radioactive material Doc. AECU-2633, 14 p. (1953) NSA <u>7</u> , 6348	53-HEM
HEMPELMANN, L. H., C. R. Richmond and G. L. Voelz A twenty-seven year study of selected Los Alamos plutonium workers Doc. LA-5148, 34 p. (1973) NSA <u>27</u> , 17696	73-HEM
HEMPELMANN, L. H., W. H. Langham, C. R. Richmond and G. L. Voelz Manhattan Project plutonium workers: A twenty-seven year follow-up study of selected cases Health Phys. <u>25</u> , 461-479 (1973) NSA <u>28</u> , 30329	73-HEM-2
HEMPELMANN, L. H., W. H. Langham, G. L. Voelz and C. R. Richmond Biomedical followup on the Manhattan Project plutonium workers In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder, ed., Doc. CONF-730901-P1) Vol. 1, 713-718 (1974) NSA <u>30</u> , 27212	74-HEM

HEMPELMANN, L. H. See also: 62-LAN

HENDERSON, R. W. See: 71-FOW

HENLE, R. C., and P. E. Bramson 72-HEN
Evaluation of internally deposited ^{241}Am from bioassay data
In: Health Physics Operational Monitoring, Vol. 1 (C. A. Willis,
ed., Gordon and Breach, New York) 731-741 (1972) NSA 29,
29869

HENLE, R. C. See also: 68-HEI, 64-SWA

HERRING, G. M., J. Vaughan and M. Williamson 62-HER
Preliminary report on the site of localization and possible
binding agent for yttrium, americium and plutonium in cortical
bone
Health Phys. 8, 717-724 (1962) NSA 17, 10332

HERRING, J. P. See: 62-BAI-3, 73-CRD

HESP, R., and R. M. Ledgerwood 71-HES
Study of a case which involved a wound contaminated with plutonium
and ^{241}Am
In: Radiation Protection Problems Relating to Transuranium Elements
(Doc. EUR-4612) 273-287 (1971) NSA 25, 37781

HESS, B. W. See: 62-MIH

HESS, J. O. See: 72-BAL

HETHERINGTON, N. W. See: 72-BUS

HILL, C. R. 62-HIL
Identification of α -emitters in normal biological materials
Health Phys. 8, 17-25 (1962) NSA 16, 17433

HINCKLEY, J. S. See: 75-NAB

HINTZE, R. See: 62-LOR

HIRSCH, G. M. See: 50-SCH

HOBBS, C. H. See: 72-THR-2

HODGE, H. C., J. N. Stannard and J. B. Hursh (eds.) 73-HOC
Uranium-Plutonium-Transplutonic Elements. Handbook of Experimental
Pharmacology. Vol. 36. Springer-Verlag, New York, 995 p. (1973)
NSA 30, 21421

HODGE, V. F., T. R. Folsom and D. R. Young 73-HOV
Retention of fall-out constituents in upper layers of the Pacific
Ocean as estimated from studies on a tuna population
In: Radioactive Contamination of the Marine Environment (International
Atomic Energy Agency, Vienna) 263-276 (1973) NSA 27, 2539

HODGE, V. F., F. L. Hoffman and T. R. Folsom 74-HOV
Rapid accumulation of plutonium and polonium on giant brown algae
Health Phys. 27, 29-35 (1974) NSA 30, 15458

HODGE, V. F., F. L. Hoffman, R. L. Foreman and T. R. Folsom 74-HOV-2
Simple recovery of plutonium, americium, uranium, and polonium
from large volumes of ocean water
Anal. Chem. 46, 1334-1336 (1974)

HODGE, V. F. See also: 74-FOL, 75-FOL, 71-WON-2, 72-WON

HODGES, D. See: 68-LOE, 71-LOE

HOECKER, F. E. See: 53-WIP

HOFFMAN, F. L. See: 74-HOV, 74-HOV-2

HOLLAND, J. Z., and J. E. Miller 69-HOJ
 Radioactive contamination of the upper atmosphere. Part 1.
 Atmospheric contamination
 In: Progress in Nuclear Energy. Series XII. Health Physics Vol.
 II (A. M. F. Duhamel, ed., Pergamon Press, Oxford) 515-534 (1969)
 PD 4, 1693

HOLLAND, L. M. See: 74-ANE

HOLLAND, W. D. (ed.) 68-HOD
 Final report of studies of ^{238}Pu debris particles from the
 SNAP-9A satellite failure of 1964
 Doc. TLW-3803-1, 44 p. (1968) NSA 22, 35943

HOLLEY, W. L. See: 72-PAM

HOLLIDAY, B., G. W. Dolphin and H. J. Dunster 70-HOL
 Radiological protection of workers exposed to airborne plutonium
 particulate
 Health Phys. 18, 529-540 (1970) NSA 24, 44519

HOLLIDAY, B. 71-HOL
 Radiological protection of workers handling transuranium
 elements
 In: Radiation Protection Problems Relating to Transuranium
 Elements (Doc. EUR-4612) 483-514 (1971) NSA 25, 37821

HOLLINS, J. G., and A. B. Durakovic 72-HOG
 Metabolism of americium in lactating rats
 Health Phys. 22, 627-631 (1972) NSA 26, 38774

HOLLINS, J. G., A. Durakovic and M. C. Storr 73-HOG
 Retention of americium and calcium by the skeleton of growing
 and mature female rats
 Calcified Tissue Res. 12, 239-246 (1973) NSA 29, 10489

HOLLINS, J. G., M. C. Storr and A. Durakovic 74-HOG
 Effect of natural physiological stresses and artificial
 hormonal stresses on the retention of americium and plutonium
 by rat bone
 In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S.
 Snyder, ed., Doc. CONF-730901-P1) Vol. 1, 743-748 (1974)
 NSA 30, 27265

HOLLINS, J. G. 75-HOG
 Analysis of the retention of plutonium by the tissues of the rat
 Radiat. Res. 61, 468-477 (1975) NSA 31, 29978

HOLLINS, J. G. See also: 73-DUA

HOLM, E., and R. B. R. Persson 75-HOM
 Fall-out plutonium in Swedish reindeer lichens
 Health Phys. 29, 43-51 (1975) NSA 32, 27945

HOLMAN, K. L. See: 67-LAG

HOLT, F. B. See: 67-BRT

HONGO, S. See: 71-SUZ-2

HORM, I. See: 73-SLO

HORM, J. See: 72-BRO, 71-FAS

HORN, F. L., and A. W. Castleman, Jr. 68-HOR
Plutonium dioxide-uranium dioxide-sodium aerosols produced by
vaporization of fast reactor core materials
In: Treatment of Airborne Radioactive Wastes (International
Atomic Energy Agency, Vienna) 93-115 (1968) NSA 22, 53262
EP S1, 554

HOROVITZ, M. W. See: 72-DUR

HORSTMAN, V. G. See: 62-BUS, 62-CAB, 58-CLA

HOWARD, A. See: 73-NIA

HOWARD, E. B. 71-HOW
The morphology of experimental lung tumors in beagle dogs
In: Morphology of Experimental Respiratory Carcinogenesis (P.
Nettesheim, et al., eds., Doc. CONF-700501) 147-160 (1971)
NSA 25, 32527

HOWARD, E. B. See also: 69-PAR, 71-PAR

HOWDEN, S. See: 75-STH, 75-STH-2

HOWELLS, H., G. B. Schofield, J. C. Lynn and F. A. Ward 73-HOE
Assessment and management of a plutonium contaminated wound
case
In: Health Physics Problems of Internal Contamination (E. Bujdoso,
ed., Akademiai Kiado, Budapest) 601-603 (1973) NSA 28, 30322

HOWELLS, H. See also: 74-SCG

HROMYK, E. See: 69-TAG-3

HSIEH, J. J. C., F. P. Hungate and S. A. Wilson 65-HSI
Autoradiography: Technique for drastic reduction in exposure
time to alpha particles
Science 150, 1821-1822 (1965) NSA 20, 12563

HSU, T. H. S. See: 73-FAB

HUFFMAN, F. N. See: 69-NOM, 73-NOM, 69-SAG, 70-SAG

HUMASON, G. See: 67-LUS

HUNGATE, F. P., J. E. Ballou, D. D. Mahlum, M. Kashima, V. H. Smith, 72-HUF
C. L. Sanders, D. W. Baxter, M. R. Sikov and R. C. Thompson
Preliminary data on ^{253}Es and ^{249}Bk metabolism in rats
Health Phys. 22, 653-656 (1972) NSA 26, 38777

HUNGATE, F. P. See also: 58-BAI, 65-HSI

HUNT, D. C. 71-HUN
Restricted release of plutonium. Part 1. Observational Data
Nucl. Safety 12, 85-89 (1971) NSA 25, 26781

HUNT, D. C. 71-HUN-2
Restricted release of plutonium. Part 2. Theory
Nucl. Safety 12, 203-216 (1971) NSA 25, 26782

HUNZINGER, W. See: 71-ALD, 71-DRE

HURSEN, T. F. See: 73-PAV

HURSH, J. B. See: 73-HOC

HUTH, G. C., and P. J. Moldofsky

71-HUT

In vivo measurement of plutonium and other very low energy emitters
In: Advances in Physical and Biological Radiation Detectors
(International Atomic Energy Agency, Vienna) 225-234 (1971)
NSA 25, 57770

HYATT, E. C. See: 61-MOW

HYLTON, D. B. See: 69-LAG, 71-LAG, 72-LAG, 72-LAG-2, 73-LAG,
73-NOR

IDE, H. M. See: 72-JOL

ILYIN, L. A. 74-ILY
 Regularities in metabolism of radioactive isotopes upon incidence on the skin
 In: Proc. Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder, ed., Doc. CONF-730901-P2) Vol. 2., 1371-1376 (1974) NSA 30, 27270

IMAI, T. See: 71-SAK-2

INOUE, Y., and M. Sakanoue 70-INO
 The determination of plutonium in soil samples
 J. Radiat. Res. 11, 98-106 (1970) NSA 25, 47

INTERNATIONAL Atomic Energy Agency 74-INA
 Safe Handling of Plutonium: A Panel Report (International Atomic Energy Agency, Vienna) 132 p. (1974) NSA 29, 24865

INTERNATIONAL Commission on Radiological Protection - Task Group on Lung Dynamics 66-INT
 Deposition and retention models for internal dosimetry of the human respiratory tract
 Health Phys. 12, 173-207 (1966)

INTERNATIONAL Commission on Radiological Protection 68-INT
 Review of the Radiosensitivity of the Tissues in Bone. ICRP Publication 11, Pergamon Press, New York, 36 p. (1968) NSA 25, 42472

INTERNATIONAL Commission on Radiological Protection 68-INT-2
 Report of Committee IV on Evaluation of Radiation Doses to Body Tissues from Internal Contamination due to Occupational Exposure. ICRP Publication 10, Pergamon Press, New York, 64 p. (1968) NSA 25, 42467

INTERNATIONAL Commission on Radiological Protection (Comm. 4) 71-INT
 Assessment of Internal Contamination Resulting from Recurrent or Prolonged Uptakes. ICRP Publication 10A, Pergamon Press, New York, 34 p. (1971) NSA 25, 57919

INTERNATIONAL Commission on Radiological Protection (Task Group of Committee 2) 72-INT
 The Metabolism of Compounds of Plutonium and other Actinides. ICRP Publication 19, Pergamon Press, New York, 59 p. (1972) NSA 27, 12379

IOVLEV, I. V. See: 72-KOS-2

IRANZO, E. 68-IRA
 First results from the programme of action following the Palomares accident
 In: Radiological Protection of the Public in a Nuclear Mass Disaster, Proceedings of a Symposium, Interlaken, Switzerland, 1968 (H. Brunner and S. Pretre, eds., Fachverband fuer Strahlenschutz) 446-455 (1968) NSA 23, 20200 EP 6, 222

IRANZO, E., and E. Ramos 69-IRA
 Measures to determine the risk to which a population can be subjected as a result of a nuclear accident generating radioactive aerosols
 In: Environmental Contamination by Radioactive Material (International Atomic Energy Agency, Vienna) 529-540 (1969) translated in LA-tr-74-10 NSA 24, 7879

IRANZO, E. See also: 68-FOW

ISAAC, E. L. See: 62-PAH

IZAWA, M. See: 72-TAK

JAAKKOLA, T. See: 74-MUH, 74-TUL

JACKSON, S., and G. W. Dolphin 66-JAC
 Estimation of internal radiation dose from metabolic and urinary
 excretion data for a number of important radionuclides
 Health Phys. 12, 481-500 (1966) NSA 20, 20398

JACKSON, T. A. See: 71-SAN-1, 72-SAN-2

JACOBS, D. G., and T. Tamura 59-JAD
 Retention and movement of radioisotopes in soils
 Nucl. Safety 1, 65-69 (1959) EP 51, 812

JACOBS, D. G. See also: 60-OLS, 69-THW

JACOBS, H. See: 70-BAI-5

JACOBSON, L., and R. Overstreet 48-JAL
 The uptake by plants of plutonium and some products of nuclear
 fission adsorbed on soil colloids
 Soil Sci. 65, 129-134 (1948)

JACOBSON, L. See also: 43-OVE

JACOBSON, L. O., and E. L. Simmons 46-JAO
 Part 6. The hematological effect of parenterally administered
 plutonium in mammals
 In: The Toxicity and Metabolism of Plutonium in Laboratory
 Animals (R. D. Finkle, et al., eds., Doc. MDDC-1140) (1946)
 EP S2, 9

JACOBSON, L. O., E. K. Marks and E. Lorenz 49-JAO
 The hematological effects of ionizing radiation
 Radiology 52, 371-395 (1949) Also in: Industrial Medicine on the
 Plutonium Project (R. S. Stone, ed., McGraw-Hill, New York)
 140-196 (1951) BA 23, 18041

JACOBSON, L. O. See also: 46-ABR, 46-FID

JAENKE, R. See: 75-DAG

JAMES, A. C., and G. Rowden 69-JAM
 An electron microscope autoradiographic study of plutonium
 localization in rat liver using a ^{241}Pu label
 Int. J. Appl. Radiat. Isotop. 20, 295-297 (1969) NSA 23, 45642

JAMES, A. C., and N. F. Kember 70-JAM
 Alpha particle incidence in small targets
 Phys. Med. Biol. 15, 39-46 (1970) NSA 24, 33953

JAMES, A. C., and D. M. Taylor 71-JAM
 DTPA therapy for chelation of ^{239}Pu in bone: The influence of
 bone remodelling
 Health Phys. 21, 31-39 (1971) NSA 25, 46697

JAMES, A. C., and N. F. Kember 72-JAM
 Dose measurements from skeletal plutonium compared in mammalian
 species
 In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds.,
 J. W. Press, Salt Lake City) 281-291 (1972) NSA 26, 41300

JAMES, A. C. 72-JAM-2
 Dose to osteogenic cells from ^{239}Pu deposited in rat bone
 Radiat. Res. 51, 654-673 (1972) NSA 26, 59128

JAMES, A. C. See also: 69-ROW, 71-TAY-2

JAMMET, H. See: 72-GON, 64-PIJ

JAMPSIN, B. See: 71-BER

JAWOROWSKI, Z., J. Bilkiewicz and E. Zylicz 71-JAW
 Incorporation of ^{239}Pu into the hair
 Int. J. Radiat. Biol. 20, 79-83 (1971) NSA 25, 55116

JAWOROWSKI, Z., J. Bilkiewicz and I. Radwan 73-JAW
 Influence of irradiation on the incorporation of radionuclides
 In: Health Physics Problems of Internal Contamination (E. Bujdoso, ed., Akademiai Kiado, Budapest) 303-306 (1973) NSA 28, 30185

JAWOROWSKI, Z., J. Bilkiewicz and E. Zylicz 73-JAW-2
 ^{239}Pu incorporation in hair (in Polish)
 Postepy Fiz. Med. 8, 173-178 (1973) NSA 31, 23086

JEANMAIRE, L., F. Patti and M. L. Audren 64-JEA
 Interpretation of data relating to plutonium contamination
 In: Assessment of Radioactivity in Man, Vol. 2 (International Atomic Energy Agency, Vienna) 617-628 (1964) translated in CONF-448-36, 17 p. NSA 23, 29465

JEANMAIRE, L., and J. Ballada 71-JEA
 Study of two cases of ^{241}Am contamination (in French)
 In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 531-546 (1971) NSA 25, 37802

JEANMAIRE, L. See also: 67-BOU

JECH, J. J., K. R. Heid and H. V. Larson 69-JEC
 Prompt assessment and mitigatory action after accidental intake of plutonium
 In: Handling of Radiation Accidents (International Atomic Energy Agency, Vienna) 77-93 (1969) NSA 24, 7863

JECH, J. J., B. V. Andersen and K. R. Heid 72-JEC
 Interpretation of human urinary excretion of plutonium for cases treated with DTPA
 Health Phys. 22, 787-792 (1972) NSA 26, 38753

JECH, J. J. See also: 72-BRP, 69-HEI, 71-HEI, 72-HEI

JEE, W. S. S., and J. S. Arnold 60-JEW
 Radioisotopes in the teeth of dogs-I The distribution of plutonium, radium, radiothorium, mesothorium and strontium and the sequence of histopathologic changes in teeth containing plutonium
 Arch. Oral Biol. 2, 215-238 (1960) EP 5, 85

JEE, W. S. S., and J. S. Arnold 60-JEW-2
 Effect of internally deposited radioisotopes upon blood vessels of cortical bone
 Proc. Soc. Exptl. Biol. Med. 105, 351-356 (1960) NSA 15, 3899

JEE, W. S. S., and J. S. Arnold 61-JEW
 The toxicity of plutonium deposited in skeletal tissues of beagles. I. The relation of the distribution of plutonium to the sequence of histopathologic bone changes
 Lab. Invest. 10, 797-825 (1961) NSA 17, 10346

JOFFE, M. H., and L. A. Temple 53-JOF
 The effect of zirconium citrate on the distribution of
 intravenously administered plutonium in the dog. I. Preliminary
 observations
 In: Doc. HW-28636, 92-97 (1953) EP S2, 148

JOHANSON, E. W. See: 66-EPS

JOHNSON, H. A. See: 62-TAG-2

JOHNSON, J. E. See: 71-PAI, 70-WAR

JOHNSON, G. L. See: 75-ADM

JOHNSON, L. J. 69-JOL
 Relative translocation and distribution of Pu and Am from
 experimental PuO₂ subcutaneous implants in beagles (Thesis,
 Colorado State Univ.)
 Doc. COO-1787-6, 212 p. (1969) NSA 24, 11904

JOHNSON, L. J., E. H. Bull, J. L. Lebel and R. L. Watters 70-JOL
 Kinetics of lymph node activity accumulation from subcutaneous
 PuO₂ implants
 Health Phys. 18, 416-418 (1970) NSA 24, 25383

JOHNSON, L. J., R. L. Watters, C. R. Lagerquist and S. E. Hammond 70-JOL-2
 Relative distribution of plutonium and americium following
 experimental PuO₂ implants
 Health Phys. 19, 743-749 (1970) NSA 25, 16012

JOHNSON, L. J., P. N. Dean and H. M. Ide 72-JOL
 In vivo determination of the late-phase lung clearance of
²³⁹Pu following accidental exposure
 Health Phys. 22, 410-412 (1972) NSA 26, 28511

JOHNSON, L. J., R. L. Watters, J. L. Lebel, C. R. Lagerquist and 72-JOL-2
 S. E. Hammond
 Distribution of Pu and Am: Subcutaneous administration of PuO₂
 and the effect of chelation therapy
 In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds.,
 J. W. Press, Salt Lake City) 213-220 (1972) NSA 26, 41296

JOHNSON, L. J., and J. N. P. Lawrence 74-JOL
 Plutonium contaminated wound experience and assay techniques
 at the Los Alamos Scientific Laboratory
 Health Phys. 27, 55-59 (1974)

JOHNSON, L. J. See also: 72-ETI, 74-HAK-1, 74-HAK-2, 70-LEJ,
 71-PER, 72-WAR-2

JOHNSON, O. See: 55-FOR

JOHNSON, W. S., Sr. 68-JOH
 Plutonium contamination of large land areas
 In: Proceedings of the 1st International Congress of Radiation
 Protection. Part 1. (W. S. Snyder, et al., eds., Pergamon Press,
 New York) 379-383 (1968) NSA 23, 12124

JOLLY, L., Jr., H. A. McClearen, G. A. Poda and W. P. Walke 72-JOY
 Treatment and evaluation of a ²³⁹Pu nitrate contaminated puncture
 wound. A two-year case history
 Health Phys. 23, 333-341 (1972) NSA 26, 50975

JEE, W. S. S., B. J. Stover, G. N. Taylor and W. R. Christensen The skeletal toxicity of Pu ²³⁹ in adult beagles Health Phys. <u>8</u> , 599-607 (1962) NSA <u>17</u> , 10320	62-JEW
JEE, W. S. S., and J. S. Arnold The failure of plutonium to deposit in the osteoid of rachitic rats Health Phys. <u>8</u> , 709-711 (1962) NSA <u>17</u> , 10330	62-JEW-2
JEE, W. S. S., J. S. Arnold, T. H. Cochran, J. A. Twente and R. S. Mical Relationship of microdistribution of alpha particles to damage In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al., eds., Pergamon Press, Oxford) 27-45 (1962) NSA <u>17</u> , 19885	62-JEW-3
JEE, W. S. S. Histopathological endpoints in compact bones receiving alpha radiation In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al., eds., Pergamon Press, Oxford) 95-116 (1962) NSA <u>17</u> , 19889	62-JEW-4
JEE, W. S. S. A critical survey of the analysis of microscopic distribution of some bone-seeking radionuclides and assessment of absorbed dose In: Assessment of Radioactivity in Man, Vol. 1 (International Atomic Energy Agency, Vienna) 369-393 (1964) NSA <u>19</u> , 29880	64-JEW
JEE, W. S. S., M. H. Bartley, N. L. Dockum, J. Yee and G. H. Kenner Vascular changes in bone following bone-seeking radionuclides In: Delayed Effects of Bone-Seeking Radionuclides (C. W. Mays, et al., eds., Univ. Utah Press, Salt Lake City) 437-455 (1969) NSA <u>23</u> , 38797	69-JEW
JEE, W. S. S. Bone-seeking radionuclides and bone In: Pathology of Irradiation (C. C. Berdjis, ed., Williams and Wilkins, Co., Baltimore) 186-212 (1971) NSA <u>25</u> , 29630	71-JEW
JEE, W. S. S. Distribution and toxicity of ²³⁹ Pu in bone Health Phys. <u>22</u> , 583-595 (1972) NSA <u>26</u> , 38769	72-JEW
JEE, W. S. S., and R. B. Dell High resolution neutron-induced autoradiography of bone containing ²³⁹ Pu Health Phys. <u>22</u> , 761-763 (1972) NSA <u>26</u> , 38789	72-JEW-2
JEE, W. S. S. ²³⁹ Pu in bones as visualized by photographic and neutron-induced autoradiography In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 171-193 (1972) NSA <u>26</u> , 41295	72-JEW-3
JEE, W. S. S. See also: 57-ARN, 59-ARN, 62-ARN, 72-CHR, 62-COH, 62-DOT, 75-FEL, 72-LOR-2, 69-MAY, 70-MAY, 72-PAZ, 63-STB, 72-STB, 62-TAG, 66-TAG, 69-TAG-2, 69-TAG-3, 72-TAG, 72-TAG-2, 72-TAG-3, 62-TAD, 61-TWE	
JETT, J. H. See: 74-RAJ	
JEUNG, N. See: 61-DUR, 69-DUR	
JOCKEY, P. See: 70-KUN-2	

JONES, E. W., and W. N. Saxby 68-JON
 Detection and measurement of plutonium contamination in wounds
 In: Proceedings of the First International Congress of Radiation
 Protection, Part 2 (W. S. Snyder, et al., eds., Pergamon Press,
 New York) 1295-1307 (1968) NSA 23, 14188

JONES, I. S., and S. F. Pond 67-JOI
 Some experiments to determine the resuspension factor of plutonium
 from various surfaces
 In: Surface Contamination (B. R. Fish, ed., Pergamon, Oxford) 83-92
 (1967) NSA 19, 20191

JONES, J. D. See: 72-TAY-3

JONES, R. K. See: 72-THR-2

JONES, T.D. See: 75-DIT

JORDAN, H. S. 71-JOR
 Distribution of plutonium from accidents and field experiments
 In: Proceedings of Environmental Plutonium Symposium (E. B. Fowler,
 et al., eds., Doc. LA-4756) 21-24 (1971) PD 6, 2204

JORDAN, H. S. 74-JOR
 Release of plutonium to the atmosphere
 In: Plutonium Information Meeting for an Ad Hoc Subcommittee of the
 Advisory Committee on Reactor Safeguards, Doc. CONF-740115, 16-29
 (1974) NSA 31, 14017

JOSHI, P. V. See: 71-KEL

JOSHIMA, H., M. Kashima, Y. Noda and O. Matsuoka 71-JOS
 Effect of Ca-DTPA on the whole body retention and tissue
 distribution of monomeric and polymeric plutonium in mice
 In: Final Report of Research Project on Plutonium Hazards, April
 1966 - March 1970 (M. Suzuki et al., eds., Doc. NIRS-PU-8) 39-44
 (1971) PD 6, 1575 EP 51, 525

JOSHIMA, H. See also: 71-KAS, 75-KAS, 71-MAO, 71-MAO-2, 71-MAO-3,
 72-MAO

JOVEN, C. B. See: 69-WAC

- K AidANOVskii, G. N. See: 73-DOE, 74-DOE, 74-DOE-2
- KALISTRATOVA, V. S., G. S. Oksentyuk and V. F. Kryuk 71-KAV
 Change in metabolism at remote times after exposure to radioactive americium
 In: Remote Aftereffects of Radiation Damage (Y. I. Moskaev, ed., Atomizdat, Moscow) 401-406 (1971) translated in AEC-tr-7387, 441-446 EP S3, 338
- KALISTRATOVA, V. S., I. S. Katsapov and V. I. Trifonov 74-KAV
 Biological effects observed with combined exposure to radiations (in Russian)
 In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder, ed., Doc. CONF-730901-P1) Vol. 1, 172-177 (1974) NSA 30, 27155
- KALISTRATOVA, V. S. See also: 72-MOS-3
- KALMYKOVA, Z. I. 64-KAL
 Oxygen saturation of blood of rats after inhalation of plutonium-239
 In: Distribution, Biological Effects, and Rapid Excretion of Radioactive Isotopes (Y. I. Moskaev, ed., Meditsina, Moscow) 230-236 (1964) translated in AEC-tr-7590, 243-250 NSA 19, 40380
- KALMYKOVA, Z. I. 68-KAL
 State of the red blood cells and hemodynamics in the case of inhalation of ammonium plutonium pentacarbonate by rats
 Radiobiologiya 8, 925-927 (1968) translated in AEC-tr-7013, 204-208 NSA 23, 17947
- KALMYKOVA, Z. I. 69-KAL
 On certain changes in the red blood and hemodynamics under the inhalation injury of rats by a citrate of ²³⁹Pu
 In: Radioactive Isotopes and the Body (Y. I. Moskaev, ed., Meditsina, Moscow) (1969) translated in AEC-tr-7195, 354-363 NSA 25, 24325
- KALMYKOVA, Z. I. 72-KAL
 Respiratory insufficiency and compensation thereof in the presence of injury to rats from plutonium 239 inhalation
 In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskaev and V. S. Kalistratova, eds., Meditsina, Moscow) 270-276 (1972) translated in AEC-tr-7457, 398-406 NSA 30, 9969
- KALMYKOVA, Z. I., and V. N. Karpova 72-KAL-2
 Condition of dog erythrocytes after inhalation of different doses of americium 241
 In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskaev and V. S. Kalistratova, eds., Meditsina, Moscow) 315-320 (1972) translated in AEC-tr-7457, 460-467 NSA 30, 9975 PD 8, 659T
- KALMYKOVA, Z. I., and V. N. Doshchenko 72-KAL-3
 Changes in the dog's cardiovascular system for inhalation of americium
 In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskaev and V. S. Kalistratova, eds., Meditsina, Moscow) 320-342 (1972) translated in AEC-tr-7457, 468-474 NSA 30, 9973 PD 8, 658T
- KALMYKOVA, Z. I. See also: 61-BOG, 62-BOG, 69-BUL-2, 70-BUL, 71-BUL-2, 72-BUL, 74-KAO

- KANAPILLY, G. M., O. G. Raabe and H. A. Boyd 74-KAN
 Method for determining the dissolution characteristics of
 accidentally released radioactive aerosols
 In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder,
 ed., Doc. CONF-730901-P2) Vol. 2, 1237-1242 (1974) NSA 30,
 27246
- KANAPILLY, G. M. See also: 75-RAB
- KAPSHUKOV, I. I., G. N. Yokovlev, O. V. Shiba, G. A. Timofeev 69-KAP
 and L. V. Sudakov
 Radiation stability of ^{244}Cm and ^{238}Pu dioxide under self-
 irradiation (in Russian)
 At. Energ. (USSR) 27, 337-338 (1969) NSA 24, 10200
- KARPOVA, V. N., and Z. I. Kalmykova 74-KAO
 Effect of pentacin and lydase on the rate of ^{241}Am elimination
 from the body of rats (in Russian)
 Gig. Sanit. (6), 47-51 (1974) NSA 30, 24399
- KARPOVA, V. N. See also: 72-BUL, 72-KAL-2
- KASHIMA, M., H. Joshima and O. Matsuoka 71-KAS
 Autoradiographic studies on the distribution pattern of monomeric
 and polymeric Pu following three routes of administration
 In: Final Report of Research Project on Plutonium Hazards, April
 1966 - March 1970 (M. Suzuki, et al., eds., Doc. NIRS-Pu-8) 29-32
 (1971) PD 6, 1572 EP S1, 522
- KASHIMA, M., D. D. Mahlum and M. R. Sikov 72-KAS
 Metabolism and effect of monomeric and polymeric plutonium in
 the immature rat liver
 Health Phys. 22, 749-752 (1972) NSA 26, 38744
- KASHIMA, M. 73-KAS
 Application of autoradiography to studies of internal irradiation
 with special reference to Pu (in Japanese)
 Hoshasen Kagaku 16(6), 111-115 (1973) NSA 29, 10482
- KASHIMA, M., H. Joshima and O. Matsuoka 75-KAS
 Distribution of micron sized polymeric ^{239}Pu in mice (Abstract)
 Health Phys. 29, 230 (1975)
- KASHIMA, M. See also: 72-HUF, 71-JOS, 71-MAO, 71-MAO-2, 71-MAO-3,
 72-MAO
- KATHREN, R. L. 68-KAR
 Towards interim acceptable surface contamination levels for
 environmental PuO_2
 In: Radiological Protection of the Public in a Nuclear Mass Disaster,
 Proceedings of a Symposium, Interlaken, Switzerland, 1968 (H. Brunner
 and S. Pretre, eds., Fachverband fuer Strahlenschutz) 460-470 (1968)
 NSA 22, 51562; 23, 20202
- KATSAPOV, I. S. See: 74-KAV
- KATSURAGI, K. See: 68-MIY, 70-MIY
- KATZ, J., H. A. Kornberg and H. M. Parker 55-KAT
 Absorption of plutonium fed chronically to rats
 Am. J. Roentgenol. 73, 303-308 (1955) BA 30, 3929

KATZ, J., M. H. Weeks and W. D. Oakley
Relative effectiveness of various agents for preventing the internal
deposition of plutonium in the rat
Radiat. Res. 2, 166-170 (1955) NSA 8, 6077 55-KAT-2

KATZ, J. See also: 53-WEK-2, 56-WEK

KAUFFMAN, P. E., and P. J. Magno
Plutonium-239 in total diet and milk
Radiol. Health Data Rep. 8, 191-194 (1967) NSA 22, 28513 67-KAU

KAUFFMAN, P. E. See also: 67-MAG, 69-MAG

KAUFMAN, H. R. See: 68-ODL-2

KAWIN, B., D. H. Copp and J. G. Hamilton
Studies of the metabolism of certain fission products and plutonium
Doc. UCRL-812, 120 p. (1950) NSA 5, 318 50-KAW

KAWIN, B., and D. H. Copp
Effect of 2,3-dimercaptopropanol (BAL) upon distribution and
excretion of plutonium
Proc. Soc. Exptl. Biol. Med. 84, 576-577 (1953) NSA 18, 1508 53-KAW

KAWIN, B., and N. L. Dockum
Distribution and retention of plutonium in rats
In: Doc. HW-53500, 95-101 (1958) EP S2, 248 58-KAW

KAWIN, B.
Effects of zirconium citrate on early femur uptake and urinary
excretion of radioisotopes
Health Phys. 9, 1031-1034 (1963) NSA 18, 3460 63-KAW

KAWIN, B. See also: 56-COP, 58-VOG

KAZACHEVSKII, I. V. See: 65-CHE

KE, C. H. See: 73-SLO

KEANE, A. T. See: 72-EVA, 73-ROL, 72-RUN, 73-THU

KEELY, R. B., and T. K. Wenstrand
Impact of fuel reprocessing on the health physics profession
Health Phys. 20, 143-151 (1971) NSA 25, 35140 71-KER

KEILHOLTZ, G. W. See: 72-FIS

KELLAR, D. N., and P. V. Joshi
Size spectrum of plutonium aerosols: Parameter for evaluation of
inhalation hazard
In: Proceedings of the National Symposium on Radiation Physics,
Bombay, 417-425 (1971) NSA 26, 40839 71-KEL

KELLER, C.
Chemical, nuclear, and biological properties of the transuranium
elements (in German)
Naturwiss. Rundsch. 26, 191-204 (1973) NSA 28, 24362 73-KEC

KELLER, N. See: 59-STB-2

KEMBER, N. F. See: 70-JAM, 72-JAM, 61-TAY

KENNEDY, N. C. See: 73-ANS

KENNEDY, W. R., and W. D. Purtymun 70-KEN
 Plutonium and strontium in soil in the Los Alamos, Espanola, and
 Santa Fe, New Mexico areas
 Doc. LA-4562, 4 p. (1970) NSA 25, 15763

KENNEDY, W. R., and W. D. Purtymun 71-KEN
 Plutonium and strontium in soil near Technical Area 12, Los Alamos
 Scientific Laboratory, Los Alamos, New Mexico
 Doc. LA-4563, 5 p. (1971) NSA 25, 18985

KENNER, G. H. See: 69-JEW

KEYANONDA, P. See: 55-DOJ

KHALTURIN, G. V., and A. K. Zhuravleva 72-KHA
 Preparation of standard nitrate solutions of hexavalent and
 pentavalent neptunium for biological experiments
 In: Biological Effects of Radiation from External and Internal
 Sources (Y. I. Moskaev and V. S. Kalistratova, eds.,
 Meditsina, Moscow) 197-201 (1972) translated in AEC-tr-7457, 297-302
 NSA 30, 9214

KHALTURIN, G. V., and Y. P. Sevastyanova 72-KHA-2
 Standard plutonium nitrate and citrate solutions for biological
 experiments
 In: Biological Effects of Radiation from External and Internal
 Sources (Y. I. Moskaev and V. S. Kalistratova, eds., Meditsina,
 Moscow) 201-204 (1972) translated in AEC-tr-7457, 303-308 NSA
30, 9215

KHALTURIN, G. V., E. P. Sevostyanova, A. K. Zhuravleva, and 74-KHA
 L. A. Buldakov
 Effect of valency and type of ^{239}Pu chemical compound on its
 distribution in the body
 Gig. Sanit. 1974 (5), 38-42 (1974) translated in ORNL-tr-4005
 NSA 30, 16057; 32 20018

KHALTURIN, G. V. See also: 72-BUL-2, 72-BUL-4

KHODYREVA, M. A. 65-KHO
 Penetration of ^{239}Pu through the skin (in Russian)
 Med. Radiol. 10, 42-46 (1965) NSA 20, 16183

KHODYREVA, M. A. 66-KHO
 Absorption of ^{239}Pu through the skin of animals and its distribution
 in the organism
 In: Distribution and Biological Effects of Radioactive Isotopes
 (Y. I. Moskaev, ed., Atomizdat, Moscow) 78-83 (1966) translated
 in AEC-tr-6944, 99-105 NSA 23, 22162

KHODYREVA, M. A., R. Y. Sitko, G. M. Parkhomenko and V. A. 72-KHO
 Sarychev
 Decontamination of skin from transuranium elements (in Russian)
 Gig. Sanit. 12, 57-61 (1972) NSA 27, 25028

KHODYREVA, M. A., A. V. Simakov, N. A. Andreeva, and R. Y. Sitko 74-KHO
 Hygienic assessment of the effectiveness of means of decontaminating
 skin surfaces contaminated with ^{237}Np (in Russian)
 Gig. Sanit. 1974 (11), 31-35 (1974) NSA 31, 11662

KHODYREVA, M. A. See also: 68-TAN

KIEFER, H., and R. Maushart Determination of plutonium-239 body burden using gamma spectrometry with proportional counters In: Whole Body Counting (International Atomic Energy Agency, Vienna) 289-293 (1962) NSA <u>16</u> , 16148	62-KIE
KIEFER, H., and R. Maushart Demonstration of plutonium incorporation by direct measurement (in German) Atompraxis <u>14</u> , 338-344 (1968) NSA <u>22</u> , 49343	68-KIE
KIEFER, H., and G. Moehrle Experience acquired from incidents with transuranic elements (in German) In: Radiation Protection Problems Related to Transuranium Elements (Doc. EUR-4612) 585-593 (1971) NSA <u>25</u> , 37822	71-KIE
KIEFER, H. See also: 64-EHR	
KIMMEL, D. B. See: 75-FEL	
KING, L. J., and W. T. McCarley Plutonium release incident of November 20, 1959 Doc. ORNL-2989, 77 p. (1961) NSA <u>15</u> , 9237	61-KIN
KINNEAR, J. E. See: 73-ROM, 75-ROM	
KIRCHNER, R. A. See: 67-MAN	
KISIELESKI, W., and L. Woodruff Studies on the distribution of plutonium in the rat In: Doc. ANL-4108, 86-103 (1947) EP <u>S3</u> , 284	47-KIS
KISIELESKI, W. See also: 65-DOS, 46-FID, 53-LIS, 46-PAE, 46-SNR, 46-SNR-2, 46-SNR-3	
KIY, M. R., and V. M. Schneider Wound contamination experience; first aid on working premises (in German) In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 573-583 (1971) NSA <u>25</u> , 37783	71-KIY
KLEINMAN, M. T., and H. L. Volchok Radionuclide concentrations in surface air: Direct relationship to global fallout Science <u>166</u> , 376-377 (1969) NSA <u>24</u> , 323	69-KLE
KLEINMAN, M. T. See also: 72-VOH-2	
KLEINSCHMIDT, J. See: 47-CAR	
KLEINSCHMIDT, R. See: 47-CAR	
KLEPPER, E. L. See: 74-CRD	
KLICKOV, O. V. See: 71-OSA, 71-OSA-3	
KLOKE, A., and F. Ludwig Strontium-90, Cesium-137 and plutonium-239 in hay samples from 1953 to 1961 Naturwissenschaften <u>49</u> , 65-67 (1962) NSA <u>16</u> , 20128	62-KLO
KLOPFER, D. C. See: 74-EMR	
KLYZHUK, K. N. See: 62-LEM-3	

KNEIP, T. J., and G. J. Lauer 73-KNE
Trace metal concentration factors in aquatic ecosystems
In: Chemical Analysis of the Environment and Other Modern Techniques
(S. Ahuja, et al., eds., Plenum Press, New York) 43-62 (1973)
NSA 29, 827 PD 8, 1834

KNUDSON, D. H. See: 73-FAB

KNUTH, R. H. See: 72-VOH-2

KOCH, G. See: 71-DUL

KOCH, J. 68-KOC
A preliminary report on the B-52 accident in Greenland on
January 21, 1968
In: Radiological Protection of the Public in a Nuclear Mass
Disaster, Proceedings of a Symposium, Interlaken, Switzerland,
1968 (H. Burnner and S. Pretre, eds., Fachverband fuer
Strahlenschutz) 39-45 (1968) NSA 23, 20182

KOENIG, L. A., and H. Schieferdecker 74-KOE
Assessment of uranium and plutonium body burdens. Methods and
techniques
At. Energy Rev. 12, 343-417 (1974) NSA 30, 21412

KOLOTVIN, V. A. See: 74-NEM

KONSTANTINOV, J. E. See: 70-LEI

KONSTANTINOVA, V. V., and R. Y. Libinon 58-KON
Nucleic acid content and synthesis in liver during subacute
poisoning by plutonium (in Russian)
Voprosy Med. Khim. 4, 339-344 (1958) NSA 13, 20861

KONSTANTINOVA, V. V., and R. E. Libinon 59-KON
The effect of plutonium on the content and renewal of nucleic
acids in some rabbit tissues
Biochemistry (U.S.S.R.), 24, 974-981 (1959) translated by
Consultants Bureau, 897-903 NSA 14, 17717

KONSTANTINOVA, V. V. 62-KON
Urea synthesis and arginase activity in plutonium-injured rats
In: Plutonium-239: Its Distribution, Biological Effect and Accelerated
Elimination (A. V. Lebedinskii and Y. I. Moskalev, eds., Medgiz, Moscow)
63-65 (1962) translated in FTD-TT-63-559, 88-91 NSA 17, 30277

KONSTANTINOVA, V. V. 62-KON-2
Content and regeneration of nucleic acids in rat liver following
plutonium injury
In: Plutonium-239: Its Distribution, Biological Effect and Accelerated
Elimination (A. V. Lebedinskii and Y. I. Moskalev, eds., Medgiz, Moscow)
66-73 (1962) translated in FTD-TT-63-559, 92-103 NSA 17, 30278

KONSTANTINOVA, V. V. 63-KON
Physico-chemical changes in desoxyribonucleic acid brought about
by Pu²³⁹ in vivo
Radiobiologiya 3, 336-340 (1963) translated in AEC-tr-5436, 11-17
NSA 17, 31923

KONSTANTINOVA, V. V. 63-KON-2
Deoxyribonuclease activity in rabbit liver affected by plutonium
Radiobiologiya 3, 501-503 (1963) translated in AEC-tr-5437, 19-22
NSA 18, 6662

KONSTANTINOVA, V. V. See also: 62-BEL, 62-BEL-2, 62-LIB, 62-LIB-2

KORELINA, N. F. See: 74-LIK

KORNBERG, H. A. See: 55-KAT, 68-MCB, 62-MCR-2, 56-THO-2, 56-WEK

KOSAKA, T. See: 72-TAK

KOSHURNIKOVA, N.A.

61-KOS

The histopathology of the sex glands of rabbits under the action of incorporated plutonium

In: Biological Effects of Radiation and Problems of Radioactive Isotope Distribution (A. V. Lebedinskii and Y. I. Moskaalev, eds., Atomizdat, Moscow) 164-173 (1961) translated in AEC-tr-5265, 162-171 NSA 16, 26867

KOSHURNIKOVA, N. A., and V. K. Lemberg

64-KOS

Long-term effects of aseptic inflammation in rats exposed to plutonium-239

In: Distribution, Biological Effects, and Rapid Excretion of Radioactive Isotopes (Y. I. Moskaalev, ed., Meditsina, Moscow) 237-242 (1964) translated in AEC-tr-7590, 251-256 NSA 19, 40381

KOSHURNIKOVA, N. A., V. K. Lemberg, A. P. Nifatov and A. A. Puzyrev

68-KOS

Pneumofibrosis in rats after intratracheal administration of soluble ^{239}Pu compounds (in Russian)

Gig. Tr. Prof. Zabol. 11, 27-32 (1968) NSA 23, 31932

KOSHURNIKOVA, N. A., and E. R. Lyubchanskii

69-KOS

Influence of prophylactic inhalation of pentacin on the remote after effects of ^{239}Pu inhalation

Med. Radiol. 14(9), 29-34 (1969) translated in AEC-tr-7172, 11 p. NSA 23, 50621

KOSHURNIKOVA, N. A., V. K. Lemberg and E. R. Lyubchanskii

71-KOS

Remote aftereffects of inhalation of soluble ^{239}Pu compounds

In: Remote Aftereffects of Radiation Damage (Y. I. Moskaalev, ed., Atomizdat, Moscow) 305-314 (1971) translated in AEC-tr-7387, 334-343 PD 7, 2069

KOSHURNIKOVA, N. A., E. R. Lyubchanskii, R. A. Erokhin and A. A. Puzyrev

71-KOS-2

Effect of some drugs on the remote aftereffects of inhalation of soluble ^{239}Pu compounds

In: Remote Aftereffects of Radiation Damage (Y. I. Moskaalev, ed., Atomizdat, Moscow) 380-387 (1971) translated in AEC-tr-7387, 416-424 PD 7, 2077

KOSHURNIKOVA, N. A., V. P. Aristov, V. K. Lemberg, G. S. Mushkacheva, M. G. Poplyko and I. A. Tseveleva

72-KOS

Mechanism of development of plutonium-induced pulmonary sclerosis Health Phys. 22, 753-754 (1972) NSA 26, 38745

KOSHURNIKOVA, N. A., M. G. Poplyko, R. A. Erokhin, and I. V. Iovlev

72-KOS-2

Behavior of plutonium 239 and dynamics of morphological change in rat lungs following chronic inhalation of a plutonium citrate complex

In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskaalev and V. S. Kalistratova, eds., Meditsina, Moscow) 248-257 (1972) translated in AEC-tr-7457, 368-380 NSA 30 10014

- KOSHURNIKOVA, N. A., and M. G. Poplyko 72-KOS-3
Influence of additional pathogenic factors on long-term sequelae of injury due to inhalation of plutonium 239
In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskalev and V. S. Kalistratova, eds., Meditsina, Moscow) 276-279 (1972) translated in AEC-tr-7457, 407-411
NSA 30, 9970
- KOSHURNIKOVA, N. A., V. P. Aristov, V. K. Lemberg, G. S. Mushkacheva, M. G. Poplyko and I. A. Tseveleva 73-KOS
Pathogenesis of plutonium pneumosclerosis (in Russian)
Ark. Patol. 35(5), 48-54 (1973) NSA 28, 21714
- KOSHURNIKOVA, N. A. 74-KOS
Long-term consequences of the inhalation of plutonium-239 in rabbits (Abstract)
Radiobiologiya 14, 464 (1974) translated in AEC-tr-7596, 195
- KOSHURNIKOVA, N. A., and E. R. Lyubchanskii 74-KOS-2
Osteosarcomogenic effectiveness of products of hydrolysis of plutonium-239 tetrafluoride in rats in the case of intraperitoneal injection (Abstract)
Radiobiologiya 14, 465 (1974) translated in AEC-tr-7596, 196-197
- KOSHURNIKOVA, N. A. See also: 69-ANT, 64-ERO, 66-ERO, 69-ERO, 71-ERO, 64-KUD, 62-LEM-3, 66-LEM, 74-LEV-2, 68-LYU, 69-LYU-2, 65-MOS, 66-MOS-2, 66-MOS-3, 74-POM, 74-TEA
- KOTRAPPA, P. 69-KOT
Calculation of the burden and dose to the respiratory tract from continuous inhalation of a radioactive aerosol
Health Phys. 17, 429-432 (1969) NSA 23, 45760
- KOTRAPPA, P., and O. R. Moss 71-KOT
Production of relatively monodisperse aerosols for inhalation experiments by aerosol centrifugation
Health Phys. 21, 531-535 (1971) NSA 25, 54982
- KOTRAPPA, P., C. J. Wilkinson and H. A. Boyd 72-KOT
Technology for the production of monodisperse aerosols of oxides of transuranic elements for inhalation experiments
Health Phys. 22, 837-843 (1972) NSA 26, 38421
- KRAEVSKII, N. A., V. N. Streltsova and Y. I. Moskalev 64-KRA
Some results of studying the blastomogenic effect of radioactive isotopes
Acta Unio Intern. Contra Cancrum 20, 1151-1154 (1964) NSA 19, 7026
- KRASNOSHYKOVA, G. P. See: 74-LIK
- KRAUSHAAR, J. J. See: 70-MAE
- KRESLOV, V. V., and R. E. Libinon 66-KRE
Behavior of ^{237}Np in the animal organism and some problems of its biological effects
Radiobiologiya 6, 837-841 (1966) translated in AEC-tr-6775, 105-113
NSA 21, 34578
- KRESLOV, V. V. 68-KRE
Influence of ^{237}Np on the activity of certain enzymes of phosphorous metabolism
Radiobiologiya 8, 30-33 (1968) translated in AEC-tr-6950, 47-53
NSA 22, 47471

KRESLOV, V. V., and G. S. Mushkacheva 70-KRE
 Change in composition of rat blood as affected by ^{237}Np (in Russian)
 Ukr. Biokhim, Zh. 42, 488-493 (1970) NSA 25, 13346

KRESLOV, V. V. See also: 71-TSE

KRETNER, H. K. See: 68-NGY

KREY, P. W., D. Bogen and E. French 62-KRP
 Plutonium in man and his environment
 Nature 195, 263-265 (1962) NSA 16, 25171

KREY, P. W. 67-KRP
 Atmospheric burnup of a ^{238}Pu generator
 Science 158, 769-771 (1967) NSA 22, 4362

KREY, P. W., and E. P. Hardy 70-KRP
 Plutonium in soil around the Rocky Flats plant
 Doc. HASL-235, 44 p. (1970) NSA 24, 46355

KREY, P. W. 74-KRP
 Plutonium-239 contamination in the Denver area
 Health Phys. 26, 117-120 (1974) NSA 29, 15599

KREY, P. W. See also: 71-HAR, 72-HAR, 72-HAR-2, 73-HAR

KRISTOFFERSSON, H. See: 62-ULB

KRIVOLUTSKII, D. A., and M. N. Fedorova 73-KRI
 Effect of soil heating by ^{239}Pu on field fauna
 Zool. Zh. 52, 601-603 (1973) translated in ORNL-tr-2824 NSA 30,
 15369 EP 6, 71

KRYUK, V. F. See: 71-KAV

KUBO, A. S., and D. J. Rose 73-KUB
 Disposal of nuclear wastes
 Science 182, 1205-1211 (1973)

KUDASHEVA, N. P., and N. A. Koshurnikova 64-KUD
 Effect of additional pathological agents on the peripheral blood
 of rats exposed to plutonium-239
 In: Distribution, Biological Effects, and Rapid Excretion of
 Radioactive Isotopes (Y. I. Moskalev, ed., Meditsina, Moscow)
 217-224 (1964) translated in AEC-tr-7590, 230-237 NSA 19, 40338

KUDASHEVA, N. P. 67-KUD
 The dynamics of changes of the morphological composition of the
 peripheral blood in rats following ^{239}Pu inhalation
 Radiobiologiya 7, 900-905 (1967) translated in AEC-tr-6891, 169-177
 NSA 22, 49503

KUDASHEVA, N. P. 69-KUD
 On the state of the blood system in rats under inhalation affection
 by ^{239}Pu
 In: Radioactive Isotopes and the Body (Y. I. Moskalev, ed., Meditsina,
 Moscow) (1969) translated in AEC-tr-7195, 347-353 NSA 25, 24324

KUDASHEVA, N. P. 72-KUD
 Changes in the dog's blood system following damage due to inhalation of americium 241
 In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskalev and V. S. Kalistratova, eds., Meditsina, Moscow) 312-315 (1972) translated in AEC-tr-7457, 455-459 NSA 29, 10475; 30, 9971

KUDASHEVA, N. P. See also: 62-BOG, 70-BUL, 71-BUL-2, 72-BUL, 66-LEM

KUNZENDORF, H. See: 70-GJO

KUNZLE-LUTZ, M., D. Nolibe, G. Petavy and J. C. Rannaud 70-KUN
 Retention and lung clearance of plutonium oxide. Structure of alveolar macrophages
 Arch. Mal. Prof. Med. Trav. Secur. Sociale 31, 185-196 (1970) translated in LF-tr-46 NSA 24, 48384; 25, 18891

KUNZLE-LUTZ, M., H. Metivier, D. Nolibe, A. Simon-Vermot, J. L. Gimbert and P. Jockey 70-KUN-2
 Effects of lung washing on the retention of inhaled particles of plutonium oxide
 Arch. Mal. Prof. Med. Trav. Secur. Sociale 31, 513-516 (1970) translated in LF-tr-53 NSA 25, 18895; 25, 42368

KUNZLE-LUTZ, M., H. Metivier, D. Nolibe, A. Simon-Vermot, J. L. Gimbert and P. Jockey 70-KUN-3
 Therapeutic pulmonary washing of plutonium oxide contaminations in the lung
 Poumon Coeur 26, 1029-1038 (1970) translated in LF-tr-71 NSA 26, 9528

KUNZLE-LUTZ, M., H. Metivier, D. Nolibe, et al. 71-KUN
 Pulmonary lavage: Therapy of pulmonary contamination by plutonium oxide (in French)
 J. Eur. Toxicol. 4(1), 53-59 (1971) NSA 26, 33828

KUNZLE-LUTZ, M. See also: 66-TRU, 66-TRU-2, 66-TRU-3

KUZMINA, E. A. See: 65-CHE

LAFUMA, J. Diagnosis and treatment of a local and afterwards generalized plutonium contamination (in French) In: Diagnosis and Treatment of Radioactive Poisoning (International Atomic Energy Agency, Vienna) 381-386 (1963) NSA <u>17</u> , 28639	63-LAF
LAFUMA, J., J. C. Nenot and M. Morin New method for studying the efficiency of chelating agents of the polyamino acid series for internal decontamination (in French) Doc. CEA-R-3519 (EUR-3864 f), 21 p. (1968) NSA <u>22</u> , 51564	68-LAF
LAFUMA, J. Treatment of ^{239}Pu contamination (in French) Doc. CEA-CONF-1549, 14 p. (1970) NSA <u>24</u> , 50863	70-LAF
LAFUMA, J., J. C. Nenot and M. Morin Experimental research on the treatment of contamination by transplutonium elements In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 249-258 (1971) translated in LF-tr-60 NSA <u>25</u> , 8590	71-LAF
LAFUMA, J., J. C. Nenot and M. Morin Problems of using urinary excretion data for evaluating body burden In: Assessment of Radioactive Contamination in Man (International Atomic Energy Agency, Vienna) 235-245 (1972) NSA <u>26</u> , 56524	72-LAF
LAFUMA, J. Inhaled radionuclides (in French) Radioprotection <u>9</u> (1), 15-25 (1974) NSA <u>31</u> , 14414	74-LAF
LAFUMA, J., J. C. Nenot, M. Morin, R. Masse, H. Metivier, D. Nolibe and W. Skupinski Respiratory carcinogenesis in rats after inhalation of radioactive aerosols of actinides and lanthanides in various physicochemical forms In: Experimental Lung Cancer. Carcinogenesis and Bioassays (E. Karbe and J. F. Park, eds., Springer-Verlag, Berlin) 443-453 (1974)	74-LAF-2
LAFUMA, J. Research on the biological effects of atmospheric pollutants (in French) Bull. Inform. Sci. Techn. (Paris) <u>191</u> , 91-95 (1974) NSA <u>31</u> , 26201	74-LAF-3
LAFUMA, J. See also: 70-BAI-5, 72-DUC, 68-MAP, 72-MET, 74-MET, 71- MOR, 72-MOR, 73-MOR, 73-MOR-2, 73-MOR-3, 73-MOR-4, 74-MOR, 67-NEO, 70-NEO, 71-NEO-2, 71-NEO-3, 71-NEO-4, 71-NEO-5, 72-NEO, 72-NEO-2, 64-PIJ	
LAGERQUIST, C. R., S. E. Hammond, E. A. Putzier and C. W. Piltingsrud Effectiveness of early DTPA treatments in two types of plutonium exposures in humans Health Phys. <u>11</u> , 1177-1180 (1965) NSA <u>18</u> , 43322	65-LAG
LAGERQUIST, C. R., I. B. Allen and K. L. Holman Plutonium excretion following contaminated acid burns and prompt DTPA treatments Health Phys. <u>13</u> , 1-4 (1967) NSA <u>21</u> , 6544	67-LAG
LAGERQUIST, C. R., E. A. Putzier and C. W. Piltingsrud Bioassay and body counter results for the first 2 years following an acute plutonium exposure Health Phys. <u>13</u> , 965-972 (1967) NSA <u>21</u> , 41456	67-LAG-2

LAGERQUIST, C. R., D. L. Bokowski, S. E. Hammond and D. B. Hylton Plutonium content of several internal organs following occupational exposure Am. Ind. Hyg. Assoc. J. <u>30</u> , 417-421 (1969) NSA <u>23</u> , 41307	69-LAG
LAGERQUIST, C. R., S. E. Hammond, D. L. Bokowski and D. B. Hylton Summary of the distribution of plutonium in the tissues of 12 occupationally exposed workers Doc. RFP-1783, 14 p. (1971) NSA <u>30</u> , 9992	71-LAG
LAGERQUIST, C. R., S. E. Hammond and D. B. Hylton Distribution of plutonium and americium in the body 5 years after an exposure via contaminated puncture wound Health Phys. <u>22</u> , 921-924 (1972) NSA <u>26</u> , 38756	72-LAG
LAGERQUIST, C. R., S. E. Hammond, D. L. Bokowski and D. B. Hylton Distribution of plutonium and americium in occupationally exposed humans as found from autopsy samples Doc. RFP-1849, 11 p. (1972) NSA <u>27</u> , 22797	72-LAG-2
LAGERQUIST, C. R., S. E. Hammond, D. L. Bokowski and D. B. Hylton Distribution of plutonium and americium in occupationally exposed humans as found from autopsy samples Health Phys. <u>25</u> , 581-584 (1973) NSA <u>29</u> , 5365	73-LAG
LAGERQUIST, C. R. See also: 68-HAS, 70-JOL-2, 72-JOL-2, 73-NOR, 65-PUT	
LAIDLER, J. J. See: 73-ADE	
LANCET Editorial Hot spots or hot lungs? Lancet <u>2</u> , 1238-1239 (1974) NSA <u>31</u> , 23047	74-LAE
LANDOLT, R. R. See: 71-MEW, 71-MEW-3	
LANGHAM, J. See: 62-LUS, 67-LUS, 68-RIC, 70-RIC	
LANGHAM, W., and E. R. Russell Excretion studies In: Report of Conference on Plutonium (J. J. Nickson, ed., Doc. CN-3167) 27-45 (1945) EP <u>S3</u> , 293	45-LAN
LANGHAM, W. H., S. H. Bassett, P. S. Harris and R. E. Carter Distribution and excretion of plutonium administered intravenously to man Doc. LA-1151 (1950)	50-LAN
LANGHAM, W., and R. E. Carter The relative physiological and toxicological properties of americium and plutonium Doc. LA-1309, 57 p. (1951) NSA <u>10</u> , 1200 EP <u>5</u> , 104-113	51-LAN
LANGHAM, W. H. Determination of internally deposited radioactive isotopes from excretion analyses Am. Ind. Hyg. Assoc. Quart. <u>17</u> , 305-318 (1956) EP 588	56-LAN
LANGHAM, W. H. Part V - Excretion methods - the application of excretion analyses to the determination of body burden of radioactive isotopes Brit. J. Radiol. Suppl. <u>7</u> , 95-113 (1957)	57-LAN

<p>LANGHAM, W. H. Physiology and toxicology of plutonium-239 and its industrial medical control Health Phys. <u>2</u>, 172-185 (1959) NSA <u>14</u>, 3377</p>	59-LAN
<p>LANGHAM, W. H. Radioisotope absorption and methods of elimination: Relative significance of portals of entry In: Radioisotopes in the Biosphere (R. S. Caldecott and L. A. Snyder, eds., Univ. of Minnesota) 489-513 (1960) NSA <u>14</u>, 23876 EP <u>S1</u>, 847</p>	60-LAN
<p>LANGHAM, W. H., J. N. P. Lawrence, J. McClelland and L. H. Hempelmann The Los Alamos Scientific Laboratory's experience with plutonium in man Health Phys. <u>8</u>, 753-760 (1962) NSA <u>17</u>, 10338</p>	62-LAN
<p>LANGHAM, W. H. Physiological properties of plutonium and assessment of body burden in man In: Assessment of Radioactivity in Man, Vol. 2 (International Atomic Energy Agency, Vienna) 565-581 (1964) NSA <u>18</u>, 23825</p>	64-LAN
<p>LANGHAM, W. H., P. S. Harris and T. L. Shipman Plutonium dispersal by accidental or experimental low-order detonation of atomic weapons Doc. LA-1981 (Rev), 40 p. (1966) NSA <u>20</u>, 13004</p>	66-LAN
<p>LANGHAM, W. H. The problem of large-area plutonium contamination Bur. Rad. Health Seminar Paper No. 002, 15 p. (1968) NSA <u>24</u>, 29738</p>	68-LAN
<p>LANGHAM, W. H. Biological considerations of nonnuclear incidents involving nuclear warheads Doc. UCRL-50639 (1969) NSA <u>24</u>, 29700</p>	69-LAN
<p>LANGHAM, W. H. Technical and laboratory support [Thule incident] USAF Nuclear Safety <u>65</u>, (Part 2), Spec. Edition AFRP 122-1, pp. 36-41 (1970) EP 467</p>	70-LAN
<p>LANGHAM, W. H. Plutonium distribution as a problem in environmental science In: Proceedings of Environmental Plutonium Symposium (E. B. Fowler, et al., eds., Doc. LA-4756) 3-11 (1971) PD <u>6</u>, 2202</p>	71-LAN
<p>LANGHAM, W. H. Biological implications of the transuranium elements for man Health Phys. <u>22</u>, 943-952 (1972) NSA <u>26</u>, 38758</p>	72-LAN
<p>LANGHAM, W. H., and J. W. Healy Maximum permissible body burdens and concentrations of plutonium: biological basis and history of development In: Uranium-Plutonium-Transplutonic Elements (H. C. Hodge, J. N. Stannard and J. B. Hursh, eds., Springer-Verlag, New York) 569-592 (1973) PD <u>8</u>, 1022</p>	73-LAN
<p>LANGHAM, W. H. See also: 47-CAR, 69-DEA, 60-FOR, 53-HEM, 73-HEM-2, 74-HEM</p>	
<p>LANSIART, A. See: 67-BOU</p>	

LANZ, H., K. G. Scott, J. Crowley and J. G. Hamilton 46-LAH
 The metabolism of thorium, protoactinium and neptunium in the rat
 Doc. MDCC-648, 18 p. (1946) ADD 1, 648

LANZ, H. See also: 46-CRJ

LARA SAENZ, D., and E. Ramos 73-LAD
 Physiopathology of contamination by plutonium: Fundamental
 concepts (in Spanish)
 Energ. Nucl. (Madrid) 17, 261-282 (1973) NSA 30, 696

LARSON, H. V. 67-LAR
 Factors in controlling personnel exposure to radiations from
 external sources
 In: Plutonium Handbook: A Guide to the Technology. Vol. 2 (O. J. Wick,
 ed., Gordon & Breach, New York) 845-857 (1967) NSA 22, 8333

LARSON, H. V., C. E. Newton, Jr., W. V. Baumgartner, K. R. Heid 68-LAR
 and G. H. Crook
 Management of an extensive plutonium wound and the evaluation of
 the residual internal deposition of plutonium
 Phys. Med. Biol. 13, 45-53 (1968) NSA 22, 21544

LARSON, H. V. See also: 69-JEC, 68-NEW

LARSON, K. H. 61-LAK
 Continental close-in fallout: Its history, measurement and
 characteristics
 In: Radioecology (V. Schultz and A. W. Klement, Jr., eds.,
 Reinhold, New York) 19-25 (1961) NSA 17, 33543 EP 51, 800

LARSON, K. H. See also: 65-NIS, 45-OLA, 63-OLA, 70-ROM

LAUER, G. J. See: 73-KNE

LAURENS, P., A. Piwnica, C. Reidemeister, W. M. Chardack and A. A. 73-LAU
 Gage
 Clinical results of the implantation of an isotopic pacemaker
 In: Cardiac Pacing (H. J. Thalen, ed., Van Gorcum, Assen) 198-208
 (1973) PD 8, 1818

LAWRENCE, B. See: 46-FID, 46-SNR, 46-SNR-3

LAWRENCE, J. N. P. 62-LAW
 Puqfua, an IBM 704 code for computing plutonium body burdens
 Health Phys. 8, 61-66 (1962) NSA 16, 28710

LAWRENCE, J. N. P. 74-LAW
 Measurement of plutonium in humans
 In: Plutonium Information Meeting for an Ad Hoc Subcommittee of
 the Advisory Committee on Reactor Safeguards, Doc. CONF-740115, 79-86
 (1974) NSA 31, 14402

LAWRENCE, J. N. P. See also: 74-JOL, 62-LAN

LEBEDINSKII, A. V., and Y. I. Moskalev (eds.) 61-LEB
 Biological Effects of Radiation and Problems of Radioactive Isotope
 Distribution, Atomizdat, Moscow, 342 p. (1961) translated in AEC-tr-
 5265 NSA 18, 13396

LEBEDINSKII, A. V., and Y. I. Moskalev (eds.) 61-LEB-2
 Distribution, Biological Effects, and Migration of Radioactive
 Isotopes, Medgiz, Moscow, 344 p. (1961) translated in AEC-tr-7512

LEBEDINSKII, A. V., and Y. I. Moskalev (eds.) Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination, Medgiz, Moscow (1962) translated in FTD-TT-63-559, and JPRS-16900 NSA <u>17</u> , 12101 EP <u>53</u> , 516	62-LEB
LEBEL, J. L., E. H. Bull, J. L. Johnson and R. L. Watters Lymphosarcoma associated with nodal concentration of plutonium in dogs Amer. J. Vet. Res. <u>31</u> , 1513-1516 (1970) NSA <u>24</u> , 41976	70-LEJ
LEBEL, J. L. A study of the translocation of plutonium and americium from wounds Doc. C00-1787-25, 218 p. (1974) NSA <u>31</u> , 8973	74-LEJ
LEBEL, J. L. See also: 72-BIS, 75-DAG, 75-DAG-2, 72-GOM, 74-GOM, 70-JOL, 72-JOL-2, 72-WAR	
LEDGERWOOD, R. M. See: 71-HES	
LEE, R. C. See: 69-NOM, 69-SAG	
LEE, R. E. See: 72-BRO	
LEIPUNSKII, O. I., J. E. Konstantinov, C. A. Fedorov and O. G. Scotnikova Mean residence time of radioactive aerosols in the upper layers of the atmosphere based on fallout of high altitude tracers J. Geophys. Res. <u>75</u> , 3569-3574 (1970) NSA <u>24</u> , 41441	70-LEI
LEMBERG, V. K., Z. M. Bukhtoyarova and A. P. Nifatov The distribution of plutonium in the liver and bones according to the data of histoautoradiography In: Biological Effects of Radiation and Problems of Radioactive Isotope Distribution (A. V. Lebedinskii and Y. I. Moskalev, eds., Atomizdat, Moscow) 136-144 (1961) translated in AEC-tr-5265, 135- 143 NSA <u>16</u> , 9914; <u>16</u> , 26720	61-LEM
LEMBERG, V. K., and A. P. Nifatov Microdistribution of plutonium in rabbit and rat liver In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskalev, eds., Medgiz, Moscow) 23-31 (1962) translated in FTD-TT-63-559, 25-38 NSA <u>17</u> , 30272	62-LEM
LEMBERG, V. K., and Z. M. Bukhtoyarova Histoautoradiography data on plutonium distribution in the bones of rat and rabbit In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskalev, eds., Medgiz, Moscow) 32-40 (1962) translated in FTD-TT-63-559, NSA <u>17</u> , 30273	62-LEM-2
LEMBERG, V. K., N. A. Koshurnikova and K. N. Klyzhuk Changes in the blood system of rabbit effected by plutonium-239 In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskalev, eds., Medgiz, Moscow) 92-102 (1962) translated in FTD-TT-63-559, 133-149 NSA <u>17</u> , 30251	62-LEM-3
LEMBERG, V. K. Bone tumors in dogs exposed to plutonium-239 In: Distribution, Biological Effects, and Rapid Excretion of Radioactive Isotopes (Y. I. Moskalev, ed., Meditsina, Moscow) 243-250 (1964) translated in AEC-tr-7590, 257-265 NSA <u>19</u> , 40382	64-LEM

- LEMBERG, V. K., N. A. Koshurnikova, A. P. Nifatov, Z. M. Bukhtoyarova and N. P. Kudasheva 66-LEM
Effect of additional pathological factors on the long-term consequences of ^{239}Pu poisoning
In: Distribution and Biological Effects of Radioactive Isotopes (Y. I. Moskaev, ed., Atomizdat, Moscow) 383-391 (1966) translated in AEC-tr-6944, 484-492 NSA 23, 22386
- LEMBERG, V. K., and T. I. Levdik 68-LEM
Concerning pathologic anatomy of the affection with ^{237}Np (in Russian)
Ark. Patol. 30(12), 36-41 (1968) NSA 23, 26900
- LEMBERG, V. K. See also: 64-BEL-2, 59-BUK, 68-BUK, 66-ERO, 69-ERO, 71-ERO, 64-KOS, 68-KOS, 71-KOS, 72-KOS, 73-KOS, 71-LEV, 71-LEV-2, 71-LEV-3, 72-LEV, 72-LEV-2, 74-LEV-2, 69-MOS-2, 71-RYS, 72-SOB
- LEUZE, R. E. 64-LEU
Safety in plutonium handling
Nucl. Safety 5, 392-396 (1964) NSA 18, 43857
- LEVDIK, T. I., V. K. Lemberg, L. A. Buldakov, E. R. Lyubchanskii and V. M. Pesternikov 71-LEV
Biological effectiveness of ^{237}Np
Radiobiologiya 11, 747-753 (1971) translated in AEC-tr-7306, 160-168 NSA 26, 38760
- LEVDIK, T. I., V. K. Lemberg, R. A. Erokhin and L. A. Buldakov 71-LEV-2
Some characteristics of the biological effect and behavior of ^{237}Np in the animal body after administering different isotope salts
In: Remote Aftereffects of Radiation Damage (Y. I. Moskaev, ed., Atomizdat, Moscow) 439-449 (1971) translated in AEC-tr-7387, 483-494
- LEVDIK, T. I., and V. K. Lemberg 71-LEV-3
Remote aftereffects of damage by ^{237}Np
In: Remote Aftereffects of Radiation Damage (Y. I. Moskaev, ed., Atomizdat, Moscow) 449-456 (1971) translated in AEC-tr-7387, 495-502
- LEVDIK, T. I., V. K. Lemberg, L. A. Buldakov, E. R. Lyubchanskii and V. M. Pesternikov 72-LEV
Biological effectiveness of ^{237}Np
Health Phys. 22, 643-645 (1972) NSA 26, 38741
- LEVDIK, T. I., V. K. Lemberg and E. R. Lyubchanskii 72-LEV-2
Dynamics of morphological changes and microdistribution of neptunium 237 in the rat lung following intratracheal administration of the isotope
In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskaev and V. S. Kalistratova, eds., Meditsina, Moscow) 229-236 (1972) translated in AEC-tr-7457, 342-351 NSA 30, 9965
- LEVDIK, T. I. 74-LEV
Histopathology of neptunium-237 lesion after a single intake of the isotope into the organism (Abstract)
Radiobiologiya 14, 466 (1974) translated in AEC-tr-7596, 198
- LEVDIK, T. I., L. A. Buldakov, V. K. Lemberg, A. P. Nifatov and N. A. Koshurnikova 74-LEV-2
Pathological anatomy of ^{237}Np lesion in the case of chronic intake of the isotope into the animal organism (Abstract)
Radiobiologiya 14, 467 (1974) translated in AEC-tr-7596, 199

- LEVDIK, T. I., and L. A. Buldakov 75-LEV
 Tumors of soft tissues and internal organs induced by neptunium-237 (in Russian)
 Vop. Onkol. 22, 80-87 (1975) NSA 31, 29967
- LEVDIK, T. I. See also: 68-LEM, 72-LYU-2, 73-MOS-4
- LIBINZON, R. Y., and V. V. Konstantinova 62-LIB
 Effect of plutonium on nucleic acid metabolism in the liver and bone marrow of the rabbit
 In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow) 74-79 (1962) translated in FTD-TT-63-559, 104-112
 NSA 17, 30279
- LIBINZON, R. Y., and V. V. Konstantinova 62-LIB-2
 Activity of tissue phosphatases in rats suffering from subacute or chronic plutonium injury
 In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow) 80-85 (1962) translated in FTD-TT-63-559, 113-121 NSA 17, 30455
- LIBINZON, R. Y., and N. I. Elkina 66-LIB
 Effect of plutonium on the concentration of nucleic acids in the bone tissue of rabbits (in Russian)
 Vop. Med. Khim. 12, 487-492 (1966) NSA 22, 25971
- LIBINZON, R. Y. See also: 67-ELK-2, 58-KON, 59-KON, 66-KRE, 66-TSE, 68-TSE
- LIKALA, R. C. 74-LIR
 Radioisotope composition of plutonium in the fuel cycle
 In: Plutonium Information Meeting for an Ad Hoc Subcommittee of the Advisory Committee on Reactor Safeguards, Doc. CONF-740115, 8-15 (1974) NSA 31, 13773
- LIKHTAREV, I. A., G. V. Arkhangelskaya, A. I. Dobroskok, I. A. Zvonova, N. F. Korelina, G. P. Krasnoshybekova, V. S. Repin and A. P. Ushakova 74-LIK
 Use of a specialized analog computer for the model of the metabolism of some radionuclides
 In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder, ed., Doc. CONF-730901-P2) Vol. 2, 1358-1363 (1974) NSA 30, 27250
- LIKHTAREVA, T. M. See: 74-DOE-2
- LINDENBAUM, A., and J. Schubert 60-LIN
 Sustained action of injected chelating agents
 Nature 187, 575-576 (1960) NSA 14, 21222
- LINDENBAUM, A., J. F. Markley and M. W. Rosenthal 62-LIN
 Removal of plutonium from blood as a function of DTPA treatment and of the physical state of the plutonium
 Health Phys. 8, 695-697 (1962) NSA 17, 10327
- LINDENBAUM, A., and W. Westfall 65-LIN
 Colloidal properties of plutonium in dilute aqueous solution
 Int. J. Appl. Radiat. Isotop. 16, 545-553 (1965) NSA 20, 1835

LINDENBAUM, A., C. Lund, M. Smoler and M. W. Rosenthal 68-LIN
 Preparation, characterization and distribution in mouse tissue of
 graded polymeric and monomeric plutonium. Radiochemical and
 autoradiographic studies
 In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg
 and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 56-64
 (1968) NSA 23, 24630

LINDENBAUM, A., M. W. Rosenthal and M. Smoler 68-LIN-2
 An autoradiographic study of the changes in distribution of polymeric
 plutonium in mouse tissues
 In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg
 and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 65-72
 (1968) NSA 23, 24631

LINDENBAUM, A., and C. J. Lund 69-LIN
 Alpha counting by liquid scintillation spectrometry: Plutonium-239
 in animal tissues
 Radiat. Res. 37, 131-140 (1969) NSA 23, 16328

LINDENBAUM, A., and M. H. Smoler 69-LIN-2
 High-resolution autoradiography of intracellular plutonium
 Science 165, 192-194 (1969) NSA 23, 35626

LINDENBAUM, A., and M. W. Rosenthal 72-LIN
 Deposition patterns and toxicity of plutonium and americium
 in liver
 Health Phys. 22, 597-605 (1972) NSA 26, 38770

LINDENBAUM, A., and J. J. Russell 72-LIN-2
 Autoradiographic determination of alpha activity by variable
 exposure to ^{239}Pu and ^{241}Am in mouse liver
 Health Phys. 22, 617-620 (1972) NSA 26, 38772

LINDENBAUM, A. See also: 73-BAX, 73-BAX-2, 62-MAR, 64-MAR, 64-RAH,
 62-ROS, 64-ROS, 67-ROS, 68-ROS, 68-ROS-2, 69-ROS,
 69-ROS-2, 72-ROS, 72-ROS-2, 73-ROS, 60-SCH, 61-SCH-2

LIPPERT, J. See: 70-GJO

LISCO, H., M. P. Finkel and A. M. Brues 47-LIS
 Carcinogenic properties of radioactive fission products and of
 plutonium
 Radiol. 49, 361-363 (1947) BA 22, 10792 EP S2, 15

LISCO, H., and W. E. Kisielleski 53-LIS
 The fate and pathologic effects of plutonium metal implanted into
 rabbits and rats
 Am. J. Path. 29, 305-321 (1953) NSA 6, 6290

LISCO, H. 59-LIS
 Autoradiographic and histopathologic studies in radiation
 carcinogenesis of the lung
 Lab. Invest. 8, 162-170 (1959) NSA 13, 5245

LISCO, H. See also: 46-ABR, 47-BRM

LISTER, B. A. J., A. Morgan and R. J. Sherwood 63-LIA
 Excretion of plutonium following accidental skin contamination
 Health Phys. 9, 803-815 (1963) NSA 17, 37044

LISTER, B. A. J. 64-LIA
 Some problems of radiological protection in plutonium areas
 (in Japanese)
 Nippon Genshiryoku Gakkaishi 6, 666-669 (1964) NSA 19, 13683

LISTER, B. A. J. Early assessment of the seriousness of lung contamination by insoluble alpha and low energy beta emitting materials after inhalation exposure In: Proceedings of the 1st International Congress of Radiation Protection. Part 2 (W. S. Snyder, et al., eds., Pergamon Press, Oxford) 1191-1198 (1968) NSA <u>23</u> , 14178	68-LIA
LITTLE, C. A. See: 74-WHF	
LITVINOV, N. N. Morphological changes in bony tissues in acute and sub-acute injury due to plutonium Med. Radiol. <u>4</u> (5), 68-72 (1959) translated in JPRS-2860, 85-91 NSA <u>13</u> , 15890	59-LIT
LIVERMAN, J. L. Introductory testimony (part of the AEC presentation at EPA Plutonium Standards Hearings, December 10-11, 1974) In: Doc. WASH-1359, 1-10 (1974)	74-LIV
LIVSHITS, R. Y. See: 74-NEM	
LLOYD, E., R. E. Rowland, D. Hodges and J. H. Marshall Surface to volume ratios of bone determined by computer analysis of microradiographs Nature <u>218</u> , 365-366 (1968) NSA <u>22</u> , 31003	68-LOE
LLOYD, E., and D. Hodges Quantitative characterization of bone: A computer analysis of microradiographs Clin. Orthopaedics, No. 78, July-Aug., 230-250 (1971) NSA <u>25</u> , 21750	71-LOE
LLOYD, E., and J. H. Marshall Toxicity of ^{239}Pu relative to ^{226}Ra in man and dog In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 377-383 (1972) NSA <u>26</u> , 41303	72-LOE
LLOYD, E. See also: 73-MAJ, 69-ROL	
LLOYD, R. D., C. W. Mays, W. Fisher and R. Hintze Total body γ -ray counting of Pu^{239} in beagles Health Phys. <u>8</u> , 777-780 (1962) BA <u>42</u> , 20406	62-LOR
LLOYD, R. D., C. W. Mays, G. N. Taylor and D. R. Atherton ^{241}Am studies in beagles Health Phys. <u>18</u> , 149-156 (1970) NSA <u>24</u> , 16953	70-LOR
LLOYD, R. D., C. W. Mays, G. N. Taylor and J. L. Williams Californium excretion and retention by beagles injected with ^{249}Cf or ^{252}Cf Health Phys. <u>22</u> , 667-673 (1972) NSA <u>22</u> , 38779	72-LOR
LLOYD, R. D., W. S. S. Jee, D. R. Atherton, G. N. Taylor and C. W. Mays ^{241}Am in beagles: Biological effects and skeletal distribution In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 141-148 (1972) NSA <u>26</u> , 41258	72-LOR-2
LLOYD, R. D., D. R. Atherton, C. W. Mays, S. S. McFarland and J. L. Williams The early excretion, retention and distribution of injected curium citrate in beagles Health Phys. <u>27</u> , 61-67 (1974) NSA <u>30</u> , 16051	74-LOR

LLOYD, R. D., J. G. Dockum, D. R. Atherton, C. W. Mays and J. L. Williams 75-LOR
The early retention, excretion and distribution of injected einsteinium citrate in beagles
Health Phys. 28, 585-589 (1975) NSA 32, 11853

LLOYD, R. D. See also: 72-ATH, 69-MAY, 72-MAY, 64-PEN

LOGAN, R., and R. Todd 68-LOG
Whole body counting of plutonium in rats
Int. J. Appl. Radiat. Isotop. 19, 422-425 (1968) NSA 22, 51630

LOGAN, R. See also: 66-TOD, 68-TOD

LOHR, W. See: 47-ABR

LONDON, J. E. See: 68-RIC

LONG, A. B. 71-LON
Plutonium inhalation: the burden of negligible consequence
Nucl. News 14(6), 69-73 (1971) NSA 25, 42508

LORENZ, E. See: 49-JAO

LOTZ, W. E. See: 65-DOS

LOUIE, B. J. See: 52-ASL-2

LOUIT, J. F. See: 74-BLM

LOVBORG, L. See: 70-GJO

LOW-BEER, A. de G. 73-LOW
Bioassay of plutonium
In: Uranium-Plutonium-Transplutonic Elements (H. C. Hodge, J. N. Stannard and J. B. Hursh, eds., Springer-Verlag, New York)
593-611 (1973) PD 8, 1023

LOW-BEER, A. de G. 73-LOW-3
Bioassay of transplutonium elements
In: Uranium-Plutonium-Transplutonic Elements (H. C. Hodge, J. N. Stannard and J. B. Hursh, eds., Springer-Verlag, New York)
909-928 (1973) PD 8, 127T

LOW-BEER, A. de G. See also: 62-PAH, 72-PAH

LUCAS, H. F., Jr. See: 73-ROL

LUDWIG, F. See: 62-KLO

LUND, C. J. See: 68-LIN, 69-LIN

LUSHBAUGH, C. C., and J. Langham 62-LUS
A dermal lesion from implanted plutonium
Arch. Dermatol. 86, 461-464 (1962) NSA 17, 7814

LUSHBAUGH, C. C., R. J. Cloutier, G. Humason, J. Langham and S. Guzak 67-LUS
Histopathologic study of intradermal plutonium metal deposits: Their conjectured fate
Ann. N. Y. Acad. Sci. 145, 791-797 (1967) NSA 23, 26931

LUSHBAUGH, C. C. See also: 56-FOR

LUTZ, D. See: 68-SHL

LUTZ, M., D. Nolibe, G. Petavy and J. Rannaud 70-LUT
 Contribution to the study of pulmonary retention and disposal
 of plutonium oxide. Ultrastructural study of alveolar macrophages
 Arch. Mal. Prof. Med. Trav. Secur. Sociale Paris, 31, 185-196
 (1970) translated in LF-tr-46 NSA 25, 18891

LUTZ, M. See also: 70-KUN, 70-KUN-2, 70-KUN-3, 71-KUN, 66-TRU, 66-
 TRU-2, 66-TRU-3

LUYSTERBORG, J. See: 71-DUL

LYAGINSKAYA, A. M., and E. P. Ovcharenko 71-LYA
 Effect of ^{241}Am on the histopathology of the ovaries in rats
 In: Remote Aftereffects of Radiation Damage (Y. I. Moskaev, ed.,
 Atomizdat, Moscow) 415-421 (1971) translated in AEC-tr-7387, 455-
 462 PD 7, 354T EP S3, 164

LYAGINSKAYA, A. M. 73-LYA
 Estimation of permissible radiation doses from ^{131}I , ^{90}Sr , HTO,
 and ^{241}Am to the gonads
 In: Health Physics Problems of Internal Contamination (E. Bujdosó,
 ed., Akademiai Kiado, Budapest) 181-184 (1973) NSA 28, 30275

LYAGINSKAYA, A. M. See also: 69-MOS-4, 72-OVC-4

LYNCH, O. D. T., Jr. See: 75-GUD

LYNN, J. C. See: 73-HOE, 73-SCG, 74-SCG, 71-WAF

LYUBCHANSKII, E. R. 64-LYU
 Behavior of a citrate complex of plutonium-239 in rats after
 inhalation
 In: Distribution, Biological Effects, and Rapid Excretion of
 Radioactive Isotopes (Y. I. Moskaev, ed., Meditsina, Moscow)
 35-41 (1964) translated in AEC-tr-7590, 34-41 NSA 19, 40316

LYUBCHANSKII, E. R. 64-LYU-2
 Behavior of plutonium-239 citrate in rats after single and
 repeated intraperitoneal injection of the isotope
 In: Distribution, Biological Effects, and Rapid Excretion of
 Radioactive Isotopes (Y. I. Moskaev, ed., Meditsina, Moscow)
 117-123 (1964) translated in AEC-tr-7590, 124-130 NSA 19, 40326

LYUBCHANSKII, E. R. 65-LYU
 The use of pentacium for the removal of ^{239}Pu from the organs
 of rats in inhalation affection (in Russian)
 Med. Radiol. 10(1), 45-49 (1965) NSA 19, 17475

LYUBCHANSKII, E. R., and L. A. Buldakov 66-LYU
 On the experimental substantiation of the maximum permissible
 content of ^{239}Pu in the human organism and in the air of work
 premises
 In: Distribution and Biological Effects of Radioactive Isotopes
 (Y. I. Moskaev, ed., Atomizdat, Moscow) 435-461 (1966) translated
 in AEC-tr-6944, 548-580 NSA 23, 22270

LYUBCHANSKII, E. R. 66-LYU-2
 Using Na_3CaDTPA (Pentacin) to eliminate ^{239}Pu from the organism
 of the rat with inhalation poisoning
 In: Distribution and Biological Effects of Radioactive Isotopes
 (Y. I. Moskaev, ed., Atomizdat, Moscow) 471-476 (1966) translated
 in AEC-tr-6944, 592-598 NSA 23, 22271

LYUBCHANSKII, E. R. The behavior of ^{239}Pu in rats after a single inhalation of some of its chemical compounds Radiobiologiya <u>7</u> , 541-547 (1967) translated in AEC-tr-6889, 84-96 NSA <u>22</u> , 14954	67-LYU
LYUBCHANSKII, E. R., and N. A. Koshurnikova Use of the DTPA aerosol (diethylene triamine pentaacetic acid) for prophylaxis of rats chronically inhaling ^{239}Pu (in Russian) Med. Radiol. <u>10</u> (13), 46-52 (1968) NSA <u>23</u> , 8039	68-LYU
LYUBCHANSKII, E. R. Behavior of a citrate complex of ^{239}Pu in the body of rats after stopping chronic inhalation In: Radioactive Isotopes and the Body (Y. I. Moskaev, ed., Meditsina, Moscow) (1969) translated in AEC-tr-7195, 153-160 NSA <u>25</u> , 23965	69-LYU
LYUBCHANSKII, E. R., Z. M. Bukhtoyarova and N. A. Koshurnikova Behavior of ^{239}Pu and the histological picture of injury of the skeleton and liver of rats under single and chronic intake of the isotope In: Radioactive Isotopes and the Body (Y. I. Moskaev, ed., Meditsina, Moscow) (1969) translated in AEC-tr-7195, 376-387 NSA <u>25</u> , 23986	69-LYU-2
LYUBCHANSKII, E. R. Behavior and character of microdistribution of ^{239}Pu in the rat organism in chronic inhalation of its citrate complex (in Russian) Gig. Tr. Prof. Zabol. <u>13</u> (Mar), 39-42 (1969) NSA <u>24</u> , 25370	69-LYU-3
LYUBCHANSKII, E. R. Behavior and nature of the microdistribution of plutonium-239 in the rat organism after chronic inhalation of its soluble compounds Radiobiologiya <u>12</u> , 272-278 (1972) translated in AEC-tr-7362, 170- 180 NSA <u>27</u> , 2840	72-LYU
LYUBCHANSKII, E. R., and T. I. Levdiik Neptunium 237 metabolism after inhalation thereof In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskaev and V. S. Kalistratova, eds., Meditsina, Moscow) 204-214 (1972) translated in AEC-tr-7457, 309-321 NSA <u>30</u> , 10012	72-LYU-2
LYUBCHANSKII, E. R., and A. P. Nifatov Americium 241 metabolism after inhalation In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskaev and V. S. Kalistratova, eds., Meditsina, Moscow) 279-291 (1972) translated in AEC-tr-7457, 412-426 NSA <u>30</u> , 10015	72-LYU-3
LYUBCHANSKII, E. R. See also: 69-ANT, 69-BUL, 70-BUL, 71-BUL-2, 64-ERO, 66-ERO, 69-KOS, 71-KOS, 71-KOS-2, 74-KOS-2, 71-LEV, 72-LEV, 72-LEV-2	
LYUBIMOVA-GERASIMOVA, R. M. See: 74-MOS, 74-SEA, 72-ZAL-2	

MADHVANATH, U., S. S. Murthy, R. R. Vishwakarma, P. Subrahmanyam and G. C. Das 74-MAD
 Alpha contamination of the skin: Dose and LET distribution at depths corresponding to the epidermal thickness of skin
 Health Phys. 27, 469-474 (1974) NSA 31, 16864

MAGEE, M. See: 53-FOR

MAGNO, P. J., P. E. Kauffman and B. Shleien 67-MAG
 Plutonium in environmental and biological media
 Health Phys. 13, 1325-1330 (1967) NSA 22, 28500

MAGNO, P. J., P. E. Kauffman and P. R. Groulx 69-MAG
²³⁹Pu in human tissues and bone
 Radiol. Health Data Rep. 10, 47-50 (1969) NSA 23, 45756

MAGNO, P. J. See also: 67-KAU, 67-SHL, 70-SHL, 70-SHL-2

MAHLUM, D. D., J. L. Palotay and W. J. Clarke 65-MAH
 Effect of internal emitters on liver tumours induced by dimethylaminoazobenzene
 Nature 206, 945-946 (1965) NSA 19, 31854

MAHLUM, D. D., and W. J. Clarke 66-MAH
²³⁷Np toxicity in the rat - I. Histopathologic and chemical observations in liver and kidney
 Health Phys. 12, 7-13 (1966) NSA 20, 8566

MAHLUM, D. D. 67-MAH
 Neptunium-237 toxicity in the rat II. Intracellular distribution of neptunium and cerium in rat liver
 Toxicol. Appl. Pharmacol. 11, 264-271 (1967) BA 50, 13911

MAHLUM, D. D., and M. R. Sikov 69-MAH
 Skeletal changes produced by the administration of ²³⁹Pu and ¹⁴⁴Ce to weanling rats
 In: Radiation Biology of the Fetal and Juvenile Mammal (M. R. Sikov and D. D. Mahlum, eds., Doc. CONF-69051) 567-576 (1969) NSA 24, 23084

MAHLUM, D. D., and M. R. Sikov 69-MAH-2
 Physicochemical state as a determinant of ²³⁸Pu toxicity in the rat
 Health Phys. 17, 346-347 (1969) NSA 23, 47927

MAHLUM, D. D. 71-MAH
 Modification of the hepatotoxic action of ²³⁷Np in the rat
 Toxicol. Appl. Pharmacol. 18, 696-702 (1971) NSA 26, 33800

MAHLUM, D. D., and M. R. Sikov 74-MAH
 Distribution and toxicity of monomeric and polymeric ²³⁹Pu in immature and adult rats
 Radiat. Res. 60, 75-88 (1974) NSA 31, 909

MAHLUM, D. D. See also: 70-BEJ, 74-CRD, 72-HUF, 72-KAS, 68-SIK, 68-SIK-2, 72-SIK, 72-SIK-2

MAHONY, T. D. See: 72-NEL-2, 68-NEW, 68-SIK-2, 74-SUL

MAISIN, J. R. 68-MAI
 Metabolism and toxicity of plutonium (in French)
 J. Belge Radiol. 51, 274-283 (1968) NSA 23, 9849

MAJOR, D. See: 73-NIA

MALVICINI, A. See: 68-DEB

MAMURO, T., and T. Matsunami 67-MAT
Alpha-activity of highly radioactive fallout particles
Health Phys. 13, 51-59 (1967) NSA 21, 6038

MAMURO, T., and T. Matsunami 69-MAT
Plutonium-238 in fallout
Science 163, 465-467 (1969) NSA 23, 33273

MANN, J. R., and R. A. Kirchner 67-MAN
Evaluation of lung burden following acute inhalation exposure to
highly insoluble PuO₂
Health Phys. 13, 877-882 (1967) NSA 21, 39415

MANN, J. R. See also: 70-ANH, 67-BOS, 68-HAS, 65-PUT

MANQUENE, J. See: 64-PIJ

MARCHIONNI, V. See: 71-TES

MARKLEY, J. F., M. W. Rosenthal and A. Lindenbaum 62-MAR
Comparative studies on the removal of monomeric and polymeric
plutonium by DTPA (Abstract)
Health Phys. 8, 739 (1962) EP 647

MARKLEY, J. F. 63-MAR
Removal of polymeric plutonium from mice by combined therapy
with the calcium chelate and penta-ethyl ester of DTPA
Intern. J. Radiat. Biol. 7, 405-407 (1963) NSA 18, 23369

MARKLEY, J. F., M. W. Rosenthal and A. Lindenbaum 64-MAR
Distribution and removal of monomeric and polymeric plutonium
in rats and mice
Intern. J. Radiat. Biol. 8, 271-278 (1964) NSA 19, 12926

MARKLEY, J. F. See also: 62-LIN, 62-ROS

MARKS, E. K. See: 49-JAO

MARKS, S. See: 68-NEW, 62-PAR, 59-TEM, 60-TEM, 58-THO

MARLOW, C. G. See: 69-SMH

MARSHALL, J. H. 69-MAJ
The retention of radionuclides in bone
In: Delayed Effects of Bone-Seeking Radionuclides (C. W. Mays,
et al., eds., Univ. of Utah Press, Salt Lake City) 7-27 (1969)
NSA 23, 38428

MARSHALL, J. H., and E. Lloyd 73-MAJ
The effect of the remodelling of bone upon the relative toxicities
of radium and plutonium in man and dog
In: Radionuclide Carcinogenesis (C. L. Sanders, et al., eds.,
Doc. CONF-720505) 421-436 (1973) NSA 28, 18538

MARSHALL, J. H. See also: 68-LOE, 72-LOE, 68-ROS

MARTELL, E. A., P. A. Golden, J. J. Kraushaar, D. W. Shea and 70-MAE
R. H. Williams
Fire [Rocky Flats Plant]
Environment 12(4), 14-20 (1970) EP 51, 75

MARTELL, E. A. See also: 72-POE, 74-POE

MASI, G. See: 71-TES

MASSE, R. 71-MAS
Comparative cytological study of the effect of inhaled plutonium and silica on the behavior of the alveolar macrophage (in French)
In: Inhaled Particles III (W. H. Walton, ed., Unwin Bros. Ltd., Old Woking, England) 247-257 (1971) NSA 26, 12509

MASSE, R. See also: 74-LAF-2, 72-MET, 74-MET, 67-NEO, 72-NEO

MASSEY, P., and J. Lafuma 68-MAP
In vitro binding of plutonium to human transferrin and competition reaction with ferric ions (in French)
Doc. CEA-R-3623, 17 p. (1968) NSA 23, 9830

MASSEY, P. See also: 71-NEO-5

MATLACK, G. M. 74-MAL
Chemistry of plutonium in relation to its behavior in biological and environmental systems
In: Plutonium Information Meeting for an Ad Hoc Subcommittee of the Advisory Committee on Reactor Safeguards, Doc. CONF-740115, 2-7 (1974) NSA 31, 13772

MATSUNAMI, T. See: 67-MAT, 69-MAT

MATSUOKA, O., K. Yoshikawa and T. Fukumoto 67-MAO
An application of ultra high speed α -autoradiography in the detection of ^{239}Pu skin surface contamination
Hoken Butsuri 2, 121-127 (1967) translated in NSJ-tr-136 NSA 23, 4931

MATSUOKA, O., M. Kashima and H. Joshima 71-MAO
The general rule which influences the behaviour of the radioactive particles in the body and its application to the plutonium metabolism
In: Final Report of Research Project on Plutonium Hazards, April 1966 - March 1970 (M. Suzuki, et al., eds., Doc. NIRS-Pu-8) 25-28 (1971) PD 6, 1571 EP 51, 521

MATSUOKA, O., H. Joshima and M. Kashima 71-MAO-2
Distribution of plutonium following inhalation of plutonium nitrate
In: Final Report of Research Project on Plutonium Hazards, April 1966 - March 1970 (M. Suzuki, et al., eds., Doc. NIRS-Pu-8) 36-38 (1971) PD 6, 1574

MATSUOKA, O., H. Joshima, M. Kashima and Y. Noda 71-MAO-3
Acute toxicity of plutonium in mice
In: Final Report of Research Project on Plutonium Hazards, April 1966 - March 1970 (M. Suzuki, et al., eds., Doc. NIRS-Pu-8) 44-47 (1971) PD 6, 1576 EP 51, 526

MATSUOKA, O., M. Kashima, H. Joshima and Y. Noda 72-MAO
Whole-body autoradiographic studies on plutonium metabolism as affected by its physicochemical state and route of administration
Health Phys. 22, 713-722 (1972) NSA 26, 38786

MATSUOKA, O. See also: 70-BAI-5, 71-ENO, 71-JOS, 71-KAS, 75-KAS, 71-SUZ

MATVEEV, V. I. 71-MAV
Dose administration of radioactive aerosols to dogs (in Russian)
Gig. Sanit. 1971(5), 69-72 (1971) PD 7, 1218

MATVEEV, V. I. See also: 72-BUL, 72-NIF

MAUDERLY, J. L. See: 72-THR-2

MAUSHART, R. See: 64-EHR, 62-KIE, 68-KIE

MAXWELL, R. E. See: 69-BED, 72-NAB

MAY, H. A. See: 72-RUN

MAYS, C. W., T. F. Dougherty, G. N. Taylor, R. D. Lloyd, B. J. Stover, W. S. S. Jee, W. R. Christensen, J. H. Dougherty and D. R. Atherton 69-MAY

Radiation-induced bone cancer in beagles
In: Delayed Effect of Bone-Seeking Radionuclides (C. W. Mays, et al., eds., Univ. of Utah Press, Salt Lake City) 387-408 (1969)
NSA 23, 38800

MAYS, C. W., G. N. Taylor, W. S. S. Jee and T. F. Dougherty 70-MAY
Speculated risk to bone and liver from ²³⁹Pu
Health Phys. 19, 601-610 (1970) NSA 25, 11301

MAYS, C. W., and R. D. Lloyd 72-MAY
Bone sarcoma incidence vs. alpha particle dose
In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 409-430 (1972) NSA 26, 41231

MAYS, C. W., and T. F. Dougherty 72-MAY-2
Progress in the beagle studies at the University of Utah
Health Phys. 22, 793-801 (1972) NSA 26, 38793

MAYS, C. W. See also: 72-BUS, 62-DOT, 69-DOT, 62-LOR, 70-LOR,
72-LOR, 72-LOR-2, 74-LOR, 75-LOR, 64-PEN, 62-REH,
62-STB-1, 72-TAG, 73-THU

McCARLEY, W. T. See: 61-KIN

McCLANAHAN, B. J., and H. A. Kornberg 68-MCB
Treatment of plutonium-contaminated wounds with
diethylenetriaminepentaacetic acid in rats
In: Diagnosis and Treatment of Deposited Radionuclides
(H. A. Kornberg and W. D. Norwood, eds., Excerpta Medica
Foundation, Amsterdam) 395-402 (1968) NSA 21, 36568; 23,
24547

McCLANAHAN, B. J. See also: 61-BAI-2, 68-SMV

McCLEAREN, H. A. See: 72-JOY

McCLELLAN, R. O., H. W. Casey and L. K. Bustad 62-MCR
Transfer of some transuranic elements to milk
Health Phys. 8, 689-694 (1962) NSA 17, 10326

McCLELLAN, R. O., L. K. Bustad, W. J. Clarke, N. L. Dockum, J. R. McKenney and H. A. Kornberg 62-MCR-2
Bone-seeking radionuclides in miniature swine
In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al., eds., Pergamon Press, Oxford) 341-348 (1962) NSA 17,
13955 EP S3, 197

McCLELLAN, R. O. 66-MCR
Use of swine in radionuclide toxicity studies
In: Swine in Biomedical Research (L. K. Bustad and R. O. McClellan, eds., Frayn Ptg. Co., Seattle) 447-462 (1966) BA 48, 117631

McCLELLAN, R. O. 72-MCR
Progress in studies with transuranic elements at the Lovelace
Foundation
Health Phys. 22, 815-822 (1972) NSA 26, 38795

McCLELLAN, R. O., H. A. Boyd, A. F. Gallegos and R. G. Thomas 72-MCR-2
Retention and distribution of ^{244}Cm following inhalation of
 $^{244}\text{CmCl}_3$ and $^{244}\text{CmO}_2$ by beagle dogs
Health Phys. 22, 877-885 (1972) NSA 26, 38800

McCLELLAN, R. O. See also: 71-BRA, 72-BRA, 74-BRA, 62-BUS, 68-BUS,
72-BUS, 63-CAH, 72-MCK, 72-MEW, 72-THR-2

McCLELLAND, J. See: 62-LAN

McCONNON, D. 70-MCO
Use of ^{235}Np for the calibration of plutonium lung counters
Int. J. Appl. Radiat. Isotop. 21, 744-747 (1970) NSA 25, 21402

McFARLAND, S. S. See: 74-LOR

McHENRY, R. E. 72-MCH
 ^{244}Cm : A radioisotopic power fuel
Doc. CONF-720519-1, 17 p. (1972) NSA 26, 38581

McINROY, J. F. See: 73-CAM

McKAY, L. R., A. L. Brooks and R. O. McClellan 72-MCK
Retention, distribution, dose, and cytogenetic effects of ^{241}Am
citrate in the Chinese hamster
Health Phys. 22, 633-640 (1972) NSA 26, 38775

McKAY, L. R. See also: 71-BRA

McKEE, R. W. 73-MCW
Public radiation exposure from ^{238}Pu -fueled artificial hearts
In: Doc. WASH-1220, 45-46 (1973) PD 7, 4280

McKENNEY, J. R. See: 62-MCR-2

McLEAN, A. S. See: 56-FAD

McLENDON, H. R. 75-MCL
Soil monitoring for plutonium at the Savannah River plant
Health Phys. 28, 347-354 (1975) NSA 32, 3493

McSWEENEY, T. I. See: 73-SEL

MEIER, D. M. See: 73-SAN-3

METCALF, R. G. See: 50-BOY, 50-BOY-2

METIVIER, H., D. Nolibe, R. Masse and J. Lafuma 72-MET
Cancers caused in baboons (*Papio papio*) by inhalation of PuO_2
(in French)
C. R. Acad. Sci., Ser. D, 275, 3069-3071 (1972) translated in
LF-tr-80 NSA 28, 2979; 29, 814

METIVIER, H. 73-MET
A contribution to the study of tetravalent plutonium hydrolysis
and complexation by acids of biological interest (Thesis)
Doc. CEA-R-4477, 88 p. (1973)

METIVIER, H., D. Nolibe, R. Masse and J. Lafuma 74-MET
Excretion and acute toxicity of $^{239}\text{PuO}_2$ in baboons
Health Phys. 27, 512-514 (1974) NSA 31, 20099

METIVIER, H. See also: 70-KUN-2, 70-KUN-3, 71-KUN, 74-LAF-2,
66-TRU-3

MEWHINNEY, J. A., P. L. Ziemer and R. R. Landolt Retention and distribution of injected ^{252}Cf in the rat Health Phys. <u>21</u> , 857-859 (1971) NSA <u>26</u> , 9463	71-MEW
MEWHINNEY, J. A. Fate of ^{252}Cf in the rat (Thesis, Purdue Univ.) University Microfilms Order No. 71-20, 506, 129 p. (1971) NSA <u>25</u> , 57922	71-MEW-2
MEWHINNEY, J. A., P. L. Ziemer and R. R. Landolt ^{252}Cf distribution in rat tissue and bone In: Contamination by Bone-Seeking Radionuclides and Radioprotection (Societe Francaise de Radioprotection, Montrouge, France) 264-296 (1971) NSA <u>26</u> , 25924	71-MEW-3
MEWHINNEY, J. A., A. L. Brooks and R. O. McClellan Comparison of the retention and distribution of injected ^{252}Cf in rats and Chinese hamsters Health Phys. <u>22</u> , 695-700 (1972) NSA <u>26</u> , 38784	72-MEW
MEWHINNEY, J. A. See also: 72-BRA	
MEYER, D. D. See: 58-SCF	
MICAL, R. S. See: 62-JEW-3	
MICHELS, D. E. Log-normal analysis of data for plutonium in the outdoors In: Proceedings of Environmental Plutonium Symposium (E. B. Fowler, et al., eds., Doc. LA-4756) 105-111 (1971) PD <u>6</u> , 2212	71-MIC
MICHELS, D. E. Plutonium fallout in the great plains relative to latitude and rainfall Doc. RFP-1960, 24 p. (1972) PD <u>7</u> , 3930	72-MIC
MICHELS, D. E. Plutonium plant safety Science <u>177</u> , 208-209 (1972) PD <u>7</u> , 1199	72-MIC-2
MICHELS, D. E. Diagnosis of plutonium reentrained in air Doc. RFP-1927, 16 p. (1973) NSA <u>27</u> , 24594	73-MIC
MICHELSON, I., J. C. Thompson, Jr., B. W. Hess and C. L. Comar Radioactivity in total diet J. Nutr. <u>78</u> , 371-383 (1962) NSA <u>17</u> , 7767	62-MIH
MIETTINEN, J. K. See: 74-MUH, 74-TUL	
MILLER, C. L., J. G. Payne, Jr., E. W. Bretthauer and A. A. Moghissi Transfer of plutonium from milk into cheese Health Phys. <u>22</u> , 563-565 (1972) NSA <u>26</u> , 38767	72-MIL
MILLER, J. E. See: 69-HOJ	
MILLIGAN, M. F. See: 72-CAM, 73-CAM, 71-FOW	
MILLS, W. A. Transuranics in the environment: The EPA perspective In: Sixth Annual National Conference on Radiation Control: New Challenges, Doc. DHEW/FDA-75-8010, 199-214 (1974) NSA <u>31</u> , 20094	74-MIW
MINTO, W. L. See: 50-BOY, 50-BOY-2	

MISHIMA, J. A review of research on plutonium releases during overheating and fires Doc. HW 83668 (1964) NSA <u>19</u> , 20200	64-MIS
MISHIMA, J., and L. C. Schwendiman Amount and characteristics of plutonium made airborne under thermal stress In: Health Physics Aspects of Nuclear Facility Siting. Vol. 1 (P. G. Voilleque, ed., Idaho Falls) 198-207 (1971) NSA <u>25</u> , 54546	71-MIS
MISHIMA, J. See also: 68-SCL, 73-SEL	
MITOLA, J. See: 67-MOP	
MIYAKE, Y., and K. Katsuragi Deposition of plutonium in Tokyo through the end of 1966 Pap. Meteorol. Geophys. (Tokyo) <u>19</u> , 267-276 (1968) NSA <u>23</u> , 17578	68-MIY
MIYAKE, Y., and Y. Sugimura Plutonium content in the Western North Pacific waters Pap. Meteorol. Geophys. (Tokyo) <u>19</u> , 481-485 (1968) NSA <u>23</u> , 45422	68-MIY-2
MIYAKE, Y., Y. Katsuragi and Y. Sugimura A study of plutonium fallout J. Geophys. Res. <u>75</u> , 2329-2330 (1970) NSA <u>24</u> , 25142	70-MIY
MIYAKE, Y. Environmental radioactive contamination and its chemical analysis (in Japanese) In: Studies on Radiation Effects (Y. Hiyama, ed., Tokyo Daigaku Shuppankai) 27-109 (1971) NSA <u>27</u> , 5244	71-MIY
MOEHRLE, G. Medical considerations and guidelines on personnel decontamination and decorporation. I. Personnel decontamination (in German) Atompraxis <u>14</u> , 69-73 (1968) NSA <u>22</u> , 31093 PD <u>2</u> , 2411	68-MOE
MOEHRLE, G. Medical considerations and guidelines on personnel decontamination and decorporation II. Decorporation (in German) Atompraxis <u>14</u> , 201-204 (1968) NSA <u>22</u> , 38298	68-MOE-2
MOEHRLE, G. Presently available methods for elimination of radioisotopes from the body and their practical application (in German) Strahlenschutz Forsch. Prax. <u>9</u> , 67-73 (1969) NSA <u>25</u> , 35134	69-MOE
MOEHRLE, G. See also: 64-EHR, 71-KIE	
MOGHISSI, A. A., and M. W. Carter Comments on "Comparative distribution and excretion of ²³⁷ Pu and ²³⁹ Pu nitrates in beagle dogs" Health Phys. <u>28</u> , 825-826 (1975) NSA <u>32</u> , 17577	75-MOG
MOGHISSI, A. A. See also: 72-MIL	
MOKANU, O. V. See: 70-ZLO	
MOLDENHAWER, F. Internal radiation burden from the radionuclides of world-wide nuclear war fallout (in German) In: Radiation Protection, Environment, and the Population (Staatliche Zentrale fur Strahlenschutz, Berlin, German Democratic Republic) 100-109 (1974) NSA <u>31</u> , 8949	74-MOL

MOLDOFSKY, P. J. See: 71-HUT, 72-SWI-2

MOLOKHIA, F. A. See: 73-NOM, 70-SAG

MORETTI, E. S. See: 73-BAX, 69-ROS, 72-ROS, 72-ROS-2, 73-ROS

MORGAN, A. See: 64-EAK, 63-LIB

MORGAN, K. Z. 72-MOK
 Proper use of information on organ and body burdens of radioactive material
 In: Assessment of Radioactive Contamination in Man (International Atomic Energy Agency, Vienna) 3-23 (1972)

MORIN, M., J. C. Nenot and J. Lafuma 71-MOR
 Experimental study of the evaluation of ^{239}Pu , ^{241}Am , ^{238}Pu , ^{242}Cm body burdens using different methods of administration (in French)
 In: Contamination by Bone-Seeking Radionuclides and Radioprotection (Societe Francaise de Radioprotection, Montrouge, France) 297-314 (1971) NSA 26, 25925

MORIN, M., J. C. Nenot and J. Lafuma 72-MOR
 Metabolic and therapeutic study following administration to rats of ^{238}Pu nitrate - A comparison with ^{239}Pu
 Health Phys. 23, 475-480 (1972) NSA 26, 56556

MORIN, M., J. C. Nenot and J. Lafuma 73-MOR
 The behavior of ^{237}Np in the rat
 Health Phys. 24, 311-315 (1973) NSA 27, 25065

MORIN, M., J. C. Nenot and J. Lafuma 73-MOR-2
 Comparison of the biological behavior of californium with that of other transuranic elements (in French)
 C. R. Acad. Sci. Paris, Ser. D, 276, 1209-1211 (1973) NSA 28, 15795

MORIN, M., W. Skupinski, J. C. Nenot and J. Lafuma 73-MOR-3
 Experimental research on the treatment of contamination by actinide solutions
 In: Health Physics Problems of Internal Contamination (E. Bujdoso, ed., Akademiai Kiado, Budapest) 317-320 (1973) NSA 28, 30361

MORIN, M., J. C. Nenot and J. Lafuma 73-MOR-4
 Californium: Study of its metabolism in relation to that of other transuranic elements (in French)
 Radioprotection 8(1), 33-36 (1973) NSA 29, 10494

MORIN, M., J. C. Nenot and J. Lafuma 74-MOR
 Distribution and removal by DTPA of injected ^{252}Cf in the rat
 Health Phys. 26, 323-326 (1974) NSA 29, 29872

MORIN, M. See also: 68-LAF, 71-LAF, 72-LAF, 74-LAF-2, 70-NEO, 71-NEO-2, 71-NEO-3, 71-NEO-4, 71-NEO-5, 72-NEO, 72-NEO-2

MORK, H. M. 70-MOH
 Redistribution of plutonium in the environs of the Nevada Test Site
 Doc. UCRL-12590, 29 p. (1970) EP 51, 668

MORK, H. M. See also: 70-ROM

MORLEY, F. See: 74-WEB

MORROW, P. E., and L. J. Casarett 61-MOP
 An experimental study of the deposition and retention of a plutonium-239 dioxide aerosol
 In: Inhaled Particles and Vapours (C. N. Davies, ed., Pergamon Press, New York) 167-175 (1961) NSA 15, 28978

MORROW, P. E., F. R. Gibb, H. Davies, J. Mitola, D. Wood, N. Wraight and H. S. Campbell 67-MOP
 The retention and fate of inhaled plutonium dioxide in dogs
 Health Phys. 13, 113-133 (1967) NSA 21, 14632

MORROW, P. E. See also: 68-CAS, 70-YUI

MORROW, W. G. See: 72-BAL-2

MORSY, S. M., F. M. El-Assaly and A. A. Aloush 72-MOQ
 Direct methods for the assessment of ^{239}Pu and ^{235}U body burdens
 In: Assessment of Radioactive Contamination in Man (International Atomic Energy Agency, Vienna) 115-127 (1972) NSA 26, 56522

MOSCATI, A. F., and R. C. Erdman 74-MOA
 Possible effects of ionizing radiation upon marine life and some implications of postulated accidental releases of radioactivity
 Nucl. Technol. 22, 184-190 (1974) PD 8, 2512

MOSKALEV, Y. I. 58-MOS
 Regularities in the distribution and toxicity of radioelements
 Biofizika 3, 725-731 (1958) translated by Consultants Bureau, 680-685 NSA 14, 7233

MOSKALEV, Y. I., L. A. Buldakov and V. N. Streltsova 61-MOS
 Dependence of the biological action of plutonium upon the rhythm of its entry into the organism
 Radiobiologiya 1, 250-256 (1961) translated in JPRS 11322, 297-315 NSA 16, 6307

MOSKALEV, Y. I., L. A. Buldakov and V. N. Streltsova 62-MOS
 Effect of plutonium-239 on rat body
 In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow) 86-91 (1962) translated in FTD-TT-63-559, 122-132, and JPRS-16900, 9-22 NSA 17, 12102

MOSKALEV, Y. I. 63-MOS
 Actual problems of the distribution of radioisotopes and the kinetics of their excretion (in Russian)
 In: Diagnosis and Treatment of Radioactive Poisoning (International Atomic Energy Agency, Vienna) 287-306 (1963) NSA 17, 28637

MOSKALEV, Y. I. (ed.) 64-MOS
 Distribution, Biological Effects, and Rapid Excretion of Radioactive Isotopes, Meditsina, Moscow, 375 p. (1964) translated in AEC-tr-7590 NSA 19, 3884

MOSKALEV, Y. I., L. A. Buldakov, N. A. Koshurnikova, A. P. Nifatov and G. N. Reshetov 65-MOS
 Combined effects of ^{90}Sr , ^{144}Ce , and ^{239}Pu on organs of rats
 Radiobiologiya 5, 836-841 (1965) translated in AEC-tr-6603, 85-93 NSA 20, 10552

MOSKALEV, Y. I., and V. N. Streltsova 65-MOS-2
 Radiation cancerogenesis and the problem of restoration (in Russian)
 Med. Radiol. 10, 40-47 (1965) NSA 20, 22696

MOSKALEV, Y. I., and V. N. Streltsova Radiocancerogenesis and the problem of restoration (in French) Biol. Med. (Paris) <u>54</u> , 428-439 (1965) NSA <u>21</u> , 16486	65-MOS-3
MOSKALEV, Y. I. (ed.) Distribution and Biological Effect of Radioactive Isotopes, Atomizdat, Moscow, 575 p. (1966) translated in AEC-tr-6944 NSA <u>22</u> , 8644; <u>24</u> , 39418	66-MOS
MOSKALEV, Y. I., L. A. Buldakov, N. A. Koshurnikova, A. P. Nifatov and G. N. Reshetov Combined effect of ^{90}Sr , ^{144}Ce , and ^{239}Pu on the rat organism (report 1) In: Distribution and Biological Effect of Radioactive Isotopes (Y. I. Moskaiev, ed., Atomizdat, Moscow) 346-356 (1966) translated in AEC-tr-6944, 441-452 NSA <u>23</u> , 22382	66-MOS-2
MOSKALEV, Y. I., L. A. Buldakov, N. A. Koshurnikova, A. P. Nifatov and G. N. Reshetov Combined effect of ^{90}Sr , ^{144}Ce , and ^{239}Pu on the rat organism (report 2) In: Distribution and Biological Effect of Radioactive Isotopes (Y. I. Moskaiev ed., Atomizdat, Moscow) 356-365 (1966) translated in AEC-tr-6944, 453-462 NSA <u>23</u> , 22383	66-MOS-3
MOSKALEV, Y. I., and V. N. Streltsova Late injuries from low-dose irradiation. (in French) In: Progress in Radiology, Vol. II (L. Tuvavo, A. Ratti, and C. Biagini, eds., Excerpta Medica Foundation, New York) 1364-1371 (1967) NSA <u>22</u> , 38483	67-MOS
MOSKALEV, Y. I., G. A. Zalikin, I. K. Petrovich and E. I. Rudnitskaya Radioresistance and radiosensitivity of animals to exposure to transuranium elements Radiatsiya i Organizm. Sbornik Material ov Konferentsii, 1, Obinsk (1967) translated in UCRL-tr-1462, 3 p. NSA <u>26</u> , 48282 EP <u>5</u> , 152	67-MOS-2
MOSKALEV, Y. I. (ed.) Radioactive Isotopes and the Body, Meditsina, Moscow, 458 p. (1969) translated in AEC-tr-7195 NSA <u>25</u> , 23946	69-MOS
MOSKALEV, Y. I., V. N. Streltsova and V. K. Lemberg Remote sequelae of radiation damage In: Radioactive Isotopes and the Body (Y. I. Moskaiev, ed., Meditsina, Moscow) (1969) translated in AEC-tr-7195, 439-458 NSA <u>25</u> , 24225	69-MOS-2
MOSKALEV, Y. I., V. N. Streltsova and L. A. Buldakov Late effects of radionuclide damage In: Delayed Effects of Bone-Seeking Radionuclides (C. W. Mays, et al., eds., Univ. of Utah Press, Salt Lake City) 489-509 (1969) NSA <u>23</u> , 38794	69-MOS-3
MOSKALEV, Y. I., L. A. Buldakov, A. M. Lyaginskaya, E. P. Ovcharenko and T. M. Egorova Experimental study of radionuclide transfer through the placenta and their biological action on the fetus In: Radiation Biology of the Fetal and Juvenile Mammal (M. R. Sikov and D. D. Mahlum, eds., Doc. CONF-690501) 153-160 (1969) NSA <u>24</u> , 23074	69-MOS-4
MOSKALEV, Y. I., E. I. Rudnitskaya, G. A. Zalikin and I. K. Petrovich Biological action of ^{237}Np nitrate (in Russian) Gig. Sanit. <u>2</u> , 42-47 (1971) NSA <u>25</u> , 42253	71-MOS

MOSKALEV, Y. I. (ed.) Remote Aftereffects of Radiation Damage, Atomizdat, Moscow, 528 p. (1971) translated in AEC-tr-7387 NSA <u>27</u> , 9851, 9855, 9881	71-MOS-2
MOSKALEV, Y. I., G. A. Zalikin, I. K. Petrovich and V. P. Panova Characteristics of the biological effect of ^{241}Am In: Remote Aftereffects of Radiation Damage (Y. I. Moskaev, ed., Atomizdat, Moscow) 395-401 (1971) translated in AEC-tr-7387, 434-440 PD <u>7</u> , 356T	71-MOS-3
MOSKALEV, Y. I., and E. I. Rudnitskaya Some aspects of the biological effect of ^{241}Am In: Remote Aftereffects of Radiation Damage (Y. I. Moskaev, ed., Atomizdat, Moscow) 509-517 (1971) translated in AEC-tr-7387, 560-567 PD <u>7</u> , 355T	71-MOS-4
MOSKALEV, Y. I. ^{239}Pu : Problems of its biological effect Health Phys. <u>22</u> , 723-729 (1972) NSA <u>26</u> , 38743	72-MOS
MOSKALEV, Y. I., G. A. Zalikin, V. S. Stepanov and A. I. Semenov Comparative biological effectiveness of ^{152}Eu and ^{244}Cm Radiobiologiya <u>12</u> , 730-734 (1972) translated in AEC-tr-7415, 125- 130 NSA <u>27</u> , 27997	72-MOS-2
MOSKALEV, Y. I., and V. S. Kalistratova (eds.) Biological Action of External and Internal Sources of Radiation, Meditsina, Moscow, 356 p. (1972) translated in AEC-tr-7457 NSA <u>28</u> , 6043; <u>29</u> , 696	72-MOS-3
MOSKALEV, Y. I., E. N. Rudnitskaya, G. A. Zalikin and I. K. Petrovich Distribution and biological effects of neptunium 237 In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskaev and V. S. Kalistratova, eds., Meditsina, Moscow) 220-229 (1972) translated in AEC-tr-7457, 330-341 NSA <u>30</u> , 9964	72-MOS-4
MOSKALEV, Y. I., G. A. Zalikin and V. I. Trofimov Influence of age on the resorption of ^{241}Am from the gastrointestinal tract of rats (Abstract) Radiobiologiya <u>13</u> , 155 (1973) translated in AEC-tr-7430, 215 PD <u>7</u> , 981T	73-MOS
MOSKALEV, Y. I., and V. N. Streltsova Dependence of osteosarcomogenic activity of radionuclides on their physical properties and physiological state of the animal In: Radionuclide Carcinogenesis (C. L. Sanders, et al., eds., Doc. CONF-720505) 307-311 (1973) NSA <u>28</u> , 18560	73-MOS-2
MOSKALEV, Y. I. Some important problems of biological action of transuranium elements In: Health Physics Problems of Internal Contamination (E. Bujdoso, ed., Akademiai Kiado, Budapest) 187-195 (1973) NSA <u>28</u> 30280 EP <u>5</u> , 149	73-MOS-3
MOSKALEV, Y. I., E.I. Rudnitskaya, G. A. Zalikin, I. K. Petrovich and T. I. Levdik Metabolic behavior and biological effects of neptunium-237 (in Russian) In: Proceedings of German-Soviet Working Meeting on the Question of Radiation Protection, Staatliche Zentrale fuer Strahlenschutz, Berlin, 12-28 (1973) NSA <u>30</u> , 19028	73-MOS-4

MOSKALEV, Y. I., G. A. Zalikin, R. M. Lyubimova-Gerasimova, I. K. Petrovich and E. I. Rudnitskaya Kinetics of exchange and biological action of americium-241 in dogs Radiobiologiya 14, 261-265 (1974) translated in AEC-tr-7571, 131- 137 NSA 30, 32566	74-MOS
MOSKALEV, Y. I., G. A. Zalikin, V. N. Streltsova, A. I. Semenov, I. K. Petrovich and E. S. Zhorova Biological effects of californium-252 Radiobiologiya 14, 266-270 (1974) translated in AEC-tr-7571, 138-143 NSA 30, 32567	74-MOS-2
MOSKALEV, Y. I., E. I. Rudnitskaya, L. A. Buldakov, A. P. Nifatov and L. G. Filippova Remote after effects associated with damage by transuranium elements (in Russian) In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder, ed., Doc. CONF-730901-P1) Vol. 1, 167-171 (1974) NSA 30, 27224	74-MOS-3
MOSKALEV, Y. I., G. A. Zalikin and A. I. Semenov Kinetics of ^{244}Cm accumulation in organs and tissues of rats in chronic introduction of the isotope into the body (in Russian) Gig. Sanit. (6), 41-43 (1974) NSA 30, 24401	74-MOS-4
MOSKALEV, Y. I. See also: 61-BUL, 61-BUL-2, 69-BUL, 69-BUL-2, 64-KRA, 61-LEB, 61-LEB-2, 62-LEB, 70-RUD, 72-RUD, 74-RUD, 73-SEA, 57-STV, 64-STV, 68-ZAL, 69-ZAL, 72-ZAL-2, 74-ZAL	
MOSS, O. R. See: 71-KOT	
MOSS, W. D., E. C. Hyatt and H. F. Schulte Particle size studies on plutonium aerosols Health Phys. 5, 212-218 (1961) EP S2, 294	61-MOW
MOSS, W. D., E. E. Campbell, H. F. Schulte and G. L. Tietjen Study of the variations found in plutonium urinary data Health Phys. 17, 571-578 (1969) NSA 24, 564	69-MOW
MOSS, W. D. See also: 69-CAM, 72-CAM, 73-CAM, 67-ETI, 72-ETI, 58-FOR, 60-FOR	
MOTT, W. E. See: 70-COD	
MOTTA, E. See: 45-RUE	
MOYER, R. A. Savannah River experience with transplutonium elements Health Phys. 15, 133-138 (1968) NSA 23, 16317	68-MOY
MUIR, J. R. See: 72-SNY-2	
MUNTZ, J. A., and E. S. G. Barron Combination of plutonium with plasma proteins Doc. MDDC-1268 (CH-3757), 23 p. (1947) ADD 1, 1268	47-MUN
MUNTZ, J. A. See also: 45-BAR, 45-RUE	
MURAMATSU, M. See: 68-TAS	
MURRAY, J. L. See: 68-WOD	
MURRAY, R. G. Gross and histopathology of animals treated with plutonium In: Report of Conference on Plutonium (J. J. Nickson, ed., Doc. CN-3167) 16-18 (1945) EP S3, 291	45-MUR

MURRAY, R. G. The spleen In: Histopathology of Irradiation from External and Internal Sources (W. Bloom, ed., McGraw Hill, New York) 243-347 (1948)	48-MUR
MURRAY, R. G. The thymus In: Histopathology of Irradiation from External and Internal Sources (W. Bloom, ed., McGraw Hill, New York) 446-501 (1948)	48-MUR-2
MURTHY, M. S. S. See: 74-MAD	
MUSEN, L. G. See: 72-EDL	
MUSHKACHEVA, G. S., and I. A. Tseveleva Effect of inhalation affection of rabbits by plutonium on chemical composition of blood (in Ukranian) Ukr. Biokhim. Zh. <u>41</u> , 306-310 (1969) NSA <u>23</u> , 48208	69-MUS
MUSHKACHEVA, G. S. Activity in nucleases in rabbit lungs after inhalation of plutonium (in Russian) Vop. Med. Khim. <u>17</u> , 301-305 (1972) NSA <u>26</u> , 43381	72-MUS
MUSHKACHEVA, G. S. See also: 72-BUL, 72-KOS, 73-KOS, 70-KRE, 68-TSE, 71-TSE	
MUSSALO, H., T. Jaakkola and J. K. Miettinen Plutonium in reindeer liver in Finnish Lapland during 1964-1973. Preliminary results In: Radioactive Foodchains in the Subarctic Environment (J. K. Miettinen, ed., Helsinki Univ.) Paper 63 (1974) NSA <u>30</u> , 15447	74-MUH
MYATT, J. Radioisotope-fuelled batteries for heart pacemakers Bio-med. Eng. <u>6</u> (5), 192-196 (1971) NSA <u>25</u> , 46594	71-MYA
MYERS, D. S. A plea for consistent lung burden criteria for insoluble alpha emitting isotopes Health Phys. <u>22</u> , 905-909 (1972)	72-MYE
MYERS, G. H. See: 73-PAV	

- NABORS, C. J., Jr., W. Stevens and R. E. Maxwell 72-NAB
Comparative effects of ^{239}Pu and ^{241}Am on biochemical parameters:
Effect of dose and radionuclide burden time
In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds.,
J. W. Press, Salt Lake City) 87-103 (1972) NSA 26, 41256
- NABORS, C. J., Jr., and J. S. Hinckley 75-NAB
Cortisol metabolism in skin of beagles bearing ^{241}Am
Radiat. Res. 61, 513-518 (1975) NSA 31, 29979
- NABORS, C. J., Jr. See also: 69-BED, 67-STW
- NAKAURA, M. See: 71-SAK-2
- NATIONAL Academy of Sciences - National Research Council - 61-NAT
Subcommittee on Inhalation Hazards of the Committee on Pathologic
Effects of Atomic Radiation
Effects of Inhaled Radioactive Particles. Publication 848.
NAS-NRC, Washington, D.C., 78 p. (1961) NSA 15, 27399
- NATIONAL Academy of Sciences - National Research Council - 72-NAT
Advisory Committee on the Biological Effects of Ionizing
Radiations
The Effects on Populations of Exposure to Low Levels of
Ionizing Radiation, NAS-NRC, Washington, 217 p. (1972)
NSA 28, 2908
- NEBEKER, N. See: 72-CHR
- NECHAEV, K. K. See: 74-ZAP
- NECHEV, K. 72-NEC
Early phases of plutonium-239 metabolism with the radioisotope
introduced at various sites of the vascular system (in Bulgarian)
Röntgenol. Radiol. 11, 92-96 (1972) NSA 31, 14434
- NECHEV, K. 73-NEC
Metabolic processes in the bone tissue of animals following
plutonium-239 administration at different sites of the vascular
system (in Bulgarian)
Röntgenol. Radiol. 12, 103-107 (1973) PD 8, 2871
- NECHEV, K. 73-NEC-2
Physicochemical state of plutonium-239 in rat blood plasma and
tissue (in Bulgarian)
Röntgenol. Radiol. 12, 107-112 (1973) NSA 31, 14435
- NECHEV, K. 73-NEC-3
Early phases of ^{239}Pu metabolism after peroral administration in the
animal organism (in Bulgarian)
Röntgenol. Radiol. 12, 171-174 (1973) NSA 30, 27276
- NEEF, W. I., and J. E. Ballou 57-NEF
Ultrasonic methods of decontaminating rat skin contaminated with
 ^{91}Y and ^{239}Pu
Doc. HW-51938, 4 p. (1957)
- NELSON, A. See: 62-ULB
- NELSON, I. C. 68-NEL
Theoretical excretion of plutonium in urine based on the new
ICRP lung model
In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg
and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 266-
278 (1968) NSA 23, 24640

NELSON, I. C. Urinary excretion of plutonium deposited in the lung Health Phys. <u>17</u> , 514-516 (1969) NSA <u>23</u> , 45632	69-NEL
NELSON, I. C. Simplified method for evaluating the Healy plutonium excretion equation Health Phys. <u>22</u> , 191-193 (1972)	72-NEL
NELSON, I. C., K. R. Heid, P. A. Fuqua and T. D. Mahony Plutonium in autopsy tissue samples Health Phys. <u>22</u> , 925-930 (1972) NSA <u>26</u> , 15524	72-NEL-2
NELSON, I. C. See also: 67-ANB, 74-BAI-4, 68-NEW	
NELSON, N. S. See: 71-STA	
NENOT, J. C., R. Masse and J. Lafuma Metabolism of plutonium (in French) Radioprotection <u>2</u> , 297-312 (1967) PD <u>3</u> , 615	67-NEO
NENOT, J. C., M. Morin and J. Lafuma Experimental study of ^{242}Cm contamination and treatment Health Phys. <u>18</u> , 613-622 (1970) translated in AEC-tr-7178 NSA <u>25</u> , 6619	70-NEO
NENOT, J. C. Study of the effect of irradiation on lung clearance (in French) In: Inhaled Particles III (W. H. Walton, ed., Unwin Bros. Ltd., Old Woking, England) 239-246 (1971) NSA <u>26</u> , 12508	71-NEO
NENOT, J. C., M. Morin and J. Lafuma Metabolic and therapeutic study of respiratory contamination by certain actinides (Pu, Am, and Cm) in solution Health Phys. <u>20</u> , 167-177 (1971) translated in ORNL-tr-2491 NSA <u>25</u> , 46676	71-NEO-2
NENOT, J. C., M. Morin and J. Lafuma Experimental contaminations by solutions of americium and their treatment Health Phys. <u>20</u> , 383-391 (1971) translated in LF-tr-61 NSA <u>25</u> , 44800	71-NEO-3
NENOT, J. C., M. Morin and J. Lafuma Experimental study of the decontamination of the skeleton after inhalation of americium nitrate Health Phys. <u>21</u> , 395-400 (1971) translated in UCRL-Trans-1477 NSA <u>25</u> , 49092	71-NEO-4
NENOT, J. C., M. Morin, P. Massey and J. Lafuma Metabolic study of the binding of plutonium to serum proteins (in French) Doc. CEA-R-4263, 11 p. (1971) NSA <u>26</u> , 25906	71-NEO-5
NENOT, J. C., R. Masse, M. Morin and J. Lafuma Experimental comparative study of the behaviour of ^{237}Np , ^{238}Pu , ^{239}Pu , ^{241}Am , and ^{242}Cm in bone Health Phys. <u>22</u> , 657-665 (1972) NSA <u>26</u> , 38778	72-NEO
NENOT, J. C., M. Morin, W. Skupinski and J. Lafuma Experimental removal of ^{144}Ce , ^{241}Am , ^{242}Cm and ^{238}Pu from the rat skeleton Health Phys. <u>23</u> , 635-640 (1972) NSA <u>26</u> , 56571	72-NEO-2

- NENOT, J. C. See also: 72-DUC, 74-DUC, 68-LAF, 71-LAF, 72-LAF, 74-LAF-2, 71-MOR, 72-MOR, 73-MOR, 73-MOR-2, 73-MOR-3, 73-MOR-4, 74-MOR
- NEVADA Applied Ecology Group 74-NEV
The dynamics of plutonium in desert environments (Progress Report, P. B. Dunaway and M. G. White, eds.)
Doc. NVO-142, 369 p. (1974) NSA 30, 29439
- NEVISSI, A., and W. R. Schell 75-NEA
Distribution of plutonium and americium in Bikini Atoll lagoon
Health Phys. 28, 539-547 (1975) NSA 32, 11545
- NEVSTRUYEVA, M. A., V. A. Kolotvin, R. Y. Livshits and V. M. Shubik 74-NEM
Effect of incorporated radionuclides on immunity (in Russian)
In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder, ed., Doc. CONF-730901-P1) Vol. 1, 141-146 (1974) NSA 30, 27222
- NEWCOMBE, C. L. See: 68-TER
- NEWTON, C. E., Jr., H. V. Larson, K. R. Heid, I. C. Nelson, 68-NEW
P. A. Fuqua, W. D. Norwood, S. Marks and T. D. Mahony
Tissue analysis for plutonium at autopsy
In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam)
460-468 (1968) NSA 23, 24649
- NEWTON, C. E., Jr. See also: 68-LAR, 72-NOJ, 73-NOR, 74-NOR, 75-NOR
- NEWTON, D., J. Rundo and B. T. Taylor 71-NED
Progress in instrumentation and calibration techniques for the assessment of lung burdens of ^{239}Pu
In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 469-482 (1971) NSA 25, 37801
- NEWTON, D., F. A. Fry, B. T. Taylor and M. C. Eagle 72-NED
Factors affecting the assessment of ^{239}Pu in vivo by external counting methods
In: Assessment of Radioactive Contamination in Man (International Atomic Energy Agency, Vienna) 83-96 (1972) NSA 26, 56521
- NEWTON, D., and M. C. Eagle 72-NED-2
Measurement of ^{252}Cf in vivo
Health Phys. 23, 817-825 (1972) PD 7, 46T
- NEWTON, D. See also: 68-RUN
- NEWTON, G. J. See: 75-RAB
- NG, Y. C., C. A. Burton, S. E. Thompson, R. K. Tandy, 68-NGY
H. K. Kretner and M. W. Pratt
Prediction of the maximum dosage to man from the fallout of nuclear devices. IV. Handbook for estimating the maximum internal dose from radionuclides released to the biosphere
Doc. UCRL-50163 (Part IV), 171 p. (1968) EP S1, 127 NSA 23, 8004
- NIAS, A. H. W., A. Howard, D. Greene and D. Major 73-NIA
Response of Chinese hamster (ovary) cells to protracted irradiation from ^{252}Cf and ^{60}Co
Brit. J. Radiol. 46, 991-995 (1973) NSA 29, 26973
- NICKSON, J. J. (ed.) 45-NIC
Report of conference on plutonium
Doc. CN-3167 (1945) NSA 30, 21069 EP S3, 286

NICKSON, J. J. 45-NIC-2
 Therapeutic experiments and suggestions
 In: Report of Conference on Plutonium (J. J. Nickson, ed.,
 Doc. CN-3167) 57-62 (1945) EP S3, 295

NICKSON, J. J. See also: 45-HEM, 51-RUE

NIFATOV, A. P. 61-NIF
 The dynamics of the morphological changes in the livers of
 rabbits under the influence of plutonium-239
 In: Biological Effects of Radiation and Problems of Radioactive
 Isotope Distribution (A. V. Lebedinskii and Y. I. Moskaev, eds.,
 Atomizdat, Moscow) 145-154 (1961) translated in AEC-tr-5265, 144-152
 NSA 16, 9915 EP S2, 300

NIFATOV, A. P. 61-NIF-2
 The long-term effects of intraperitoneal introduction of plutonium
 acetate
 In: Biological Effects of Radiation and Problems of Radioactive
 Isotope Distribution (A. V. Lebedinskii and Y. I. Moskaev, eds.,
 Atomizdat, Moscow) 174-181 (1961) translated in AEC-tr-5265,
 172-179 NSA 16, 9918 EP S2, 298

NIFATOV, A. P. 62-NIF
 Morphological changes in rabbit and dog liver induced by ^{239}Pu
 In: Plutonium-239: Its Distribution, Biological Effect and Accelerated
 Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz,
 Moscow) 129-141 (1962) translated in FTD-TT-63-559, 194-214 NSA 17,
 30252

NIFATOV, A. P., and L. A. Buldakov 71-NIF
 Microdistribution of ^{239}Pu in the bone tissue of rats during
 chronic peroral administration of the isotope
 In: Remote Aftereffects of Radiation Damage (Y. I. Moskaev, ed.,
 Atomizdat, Moscow) 365-372 (1971) translated in AEC-tr-7387,
 399-405 PD 7, 2075

NIFATOV, A. P., L. A. Buldakov and L. G. Filippova 71-NIF-2
 Comparative toxicity of ^{241}Am nitrate and citrate
 In: Remote Aftereffects of Radiation Damage (Y. I. Moskaev,
 ed., Atomizdat, Moscow) 387-395 (1971) translated in AEC-tr-
 7387, 425-433 PD 7, 357T EP 5, 160

NIFATOV, A. P., L. A. Buldakov and V. I. Matveev 72-NIF
 Some late effects after a single inhalation of ^{239}Pu and ^{241}Am
 in dogs
 Health Phys. 22, 875 (1972) NSA 26, 38751

NIFATOV, A. P., L. A. Buldakov and L. G. Filippova 72-NIF-2
 Blastomogenic effect of americium 241
 In: Biological Effects of Radiation from External and Internal
 Sources (Y. I. Moskaev and V. S. Kalistratova, eds., Meditsina,
 Moscow) 340-345 (1972) translated in AEC-tr-7457, 498-504
 NSA 30, 9977

NIFATOV, A. P. See also: 69-BUK, 67-BUL, 68-BUL-2, 69-BUL,
 71-BUL-3, 71-BUL-4, 72-BUL, 72-BUL-4, 72-BUL-5,
 64-ERO, 69-ERO, 71-ERO, 74-FIL, 74-FIL-2, 68-KOS,
 61-LEM, 62-LEM, 66-LEM, 74-LEV-2, 72-LYU-3,
 65-MOS, 66-MOS-2, 66-MOS-3, 74-MOS-3, 72-PUZ

NILSSON, A. See: 70-HAL, 70-HAL-2

NISHITA, H., E. M. Romney and K. H. Larson 65-NIS
 Uptake of radioactive fission products by plants
 In: Radioactive Fallout, Soils, Plants, Foods, Man (E. B. Fowler,
 ed., Elsevier, New York) 55-81 (1965) EP S1, 874

NISHITA, H. See also: 45-OLA

NODA, Y. See: 71-JOS, 71-MAO-3, 72-MAO

NOLIBE, D. 72-NOL
 In vitro migration measurements of alveolar histiocytes: Comparative
 effect of antiserums and plutonium oxide poisoning
 Compt. Rend. Ser. D. 274, 77-80 (1972) translated in LF-tr-73
 NSA 26, 33786; 27, 2843

NOLIBE, D. 73-NOL
 Morphologic study of microcinematography and scanning electron
 microscopy of the phagocytosis of plutonium oxide by the alveolar
 histiocyte (in French)
 C. R. Acad. Sci. Paris, Ser. D, 276, 65-68 (1973) NSA 28, 2996

NOLIBE, D. 73-NOL-2
 Elimination by pulmonary lavage, in vivo, of inhaled plutonium
 oxide particles. Description of techniques used
 C. R. Acad. Sci. Paris, Ser. D, 276, 225-228 (1973) translated in
 BNWL-tr-96 NSA 28, 24871

NOLIBE, D. 73-NOL-3
 Elimination by pulmonary lavage, in vivo, of inhaled plutonium
 oxide particles. Treatment times (in French)
 C. R. Acad. Sci. Paris, Ser. D, 276, 681-684 (1973) NSA 28, 6084

NOLIBE, D. See also: 70-KUN, 70-KUN-2, 70-KUN-3, 71-KUN,
 74-LAF-2, 70-LUT, 72-MET, 74-MET

NORCROSS, J. A., and C. E. Newton, Jr. 72-NOJ
 U. S. Transuranium Registry: A progress report
 Health Phys. 22, 887-890 (1972) NSA 26, 38754

NORCROSS, J. A. See also: 73-NOR

NORMAN, J., C. Pegg, G. Sandberg, R. Lee and F. Huffman 69-NOM
 Effects of intracorporeal heat and radiation on dogs
 Artificial Heart Program Conference, Washington D.C. (R. J. Hegyeli,
 ed., (Doc. CONF-690655) 901-911 (1969) NSA 25, 26931

NORMAN, J. C., F. N. Huffman, F. A. Molokhia, P. J. Asimacopoulos 73-NOM
 and S. Warren
 Implantable nuclear power sources for artificial hearts: Progress
 report, two years after implantation in the dog
 Bull. Soc. Int. Chir. 32, 62-74 (1973) NSA 29, 15803

NORMAN, J. See also: 69-SAG, 70-SAG

NORWOOD, W. D., P. A. Fuqua and B. C. Scudder 56-NOR
 Treatment of acute plutonium poisoning
 Indust. Med. Surg. 25, 135-139 (1956) BA 30, 28313 EP 5, 386

NORWOOD, W. D. 56-NOR-2
 Treatment of plutonium poisoning with zirconium citrate and with
 CaEDTA
 In: Therapy of Radioelement Poisoning (M. W. Rosenthal, ed.,
 Doc. ANL-5548) 36-44 (1956) EP S2, 201

NORWOOD, W. D., P. A. Fuqua, R. H. Wilson and J. W. Healy Treatment of plutonium inhalation - Case studies Proc. Int. Conf. Peaceful Uses At. Energy <u>23</u> , 434-438 (1958) Also: In: Progress in Nuclear Energy, VII, <u>2</u> , 105-113 (1959) NSA <u>12</u> , 14551 EP <u>5</u> , 385	58-NOR
NORWOOD, W. D. The determination of injury from the internally deposited radioisotope plutonium J. Occup. Med. <u>1</u> , 269-276 (1959)	59-NOR
NORWOOD, W. D. DTPA-effectiveness in removing internally deposited plutonium from humans J. Occup. Med. <u>2</u> , 371-376 (1960)	60-NOR
NORWOOD, W. D. Radioactive material in the body. Detection and treatment Arch. Environ. Health <u>5</u> (2), 167-172 (1962) NSA <u>16</u> , 31451	62-NOR
NORWOOD, W. D. Therapeutic removal of plutonium in humans Health Phys. <u>8</u> , 747-750 (1962) NSA <u>17</u> , 10336	62-NOR-2
NORWOOD, W. D. Long-term administration of DTPA for plutonium elimination - A followup study in one patient J. Occup. Med. <u>4</u> , 130-132 (1962) NSA <u>18</u> , 31109	62-NOR-3
NORWOOD, W. D. Early diagnosis and treatment of individuals who have excessive depositions of radioisotopes J. Occup. Med. <u>4</u> , 373-382 (1962) NSA <u>17</u> , 27208	62-NOR-4
NORWOOD, W. D. Medical therapy for internally deposited radioisotopes Am. Ind. Hyg. Assoc. J. <u>24</u> , 492-496 (1963) NSA <u>18</u> , 1461	63-NOR
NORWOOD, W. D. Removal of plutonium and other transuranic elements from man In: Diagnosis and Treatment of Radioactive Poisoning (International Atomic Energy Agency, Vienna) 307-318 (1963) NSA <u>17</u> , 2797	63-NOR-2
NORWOOD, W. D., and P. A. Fuqua Medical care for accidental deposition of plutonium (^{239}Pu) within the body In: Handling of Radiation Accidents (International Atomic Energy Agency, Vienna) 147-162 (1969) NSA <u>24</u> , 7941	69-NOR
NORWOOD, W. D. Plutonium (^{239}Pu) Toxicity diagnosis and therapy J. Occup. Med. <u>14</u> , 37-44 (1972) PD <u>7</u> , 1221	72-NOR
NORWOOD, W. D. U. S. Transuranium Registry: Progress and expectations In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 531-537 (1972) NSA <u>26</u> , 41271	72-NOR-2
NORWOOD, W. D., J. A. Norcross, C. E. Newton, Jr., D. B. Hylton and C. Lagerquist Preliminary autopsy findings in U. S. Transuranium Registry Cases In: Radionuclide Carcinogenesis (C. L. Sanders, et al., eds., Doc. CONF-720505) 465-474 (1973) NSA <u>28</u> , 18541	73-NOR

NORWOOD, W. D., and C. E. Newton, Jr. United States Transuranium Registry Summary Report to June 30, 1974 to USAEC Division of Biomedical and Environmental Research Doc. HEHF-22 (1974)	74-NOR
NORWOOD, W. D., and C. E. Newton Jr. U. S. Transuranium Registry study of thirty autopsies Health Phys. <u>28</u> , 669-675 (1975) NSA <u>32</u> , 17556	75-NOR
NORWOOD, W. D. See also: 54-FOR, 68-NEW	
NOSHKIN, V. E., V. T. Bowen, K. M. Wong and J. C. Burke Plutonium in North Atlantic Ocean organisms; ecological relation- ships In: Radionuclides in Ecosystems, Vol. 2 (D. J. Nelson, ed., Doc. CONF-710501-P2) 681-688 (1971) NSA <u>26</u> , 45541 EP <u>S1</u> , 878	71-NOS
NOSHKIN, V. E., and V. T. Bowen Concentrations and distributions of long-lived fallout radionuclides in open ocean sediments Doc. C00-3563-3, 22 p. (1972) NSA <u>26</u> , 45531 EP <u>S1</u> , 879	72-NOS
NOSHKIN, V. E. Ecological aspects of plutonium dissemination in aquatic environments Health Phys. <u>22</u> , 537-549 (1972) NSA <u>26</u> , 4715	72-NOS-2
NOSHKIN, V. E., Jr., and C. Gatrousis Fallout ²⁴⁰ Pu and ²³⁹ Pu in Atlantic marine samples Earth Planet. Sci. Lett. <u>22</u> , 111-117 (1974) NSA <u>30</u> , 3168	74-NOS
NOSHKIN, V. E., K. M. Wong, R. J. Eagle and C. Gatrousis Transuranics at Pacific atolls. I. Concentrations in the waters at Enewetak and Bikini Doc. UCRL-51612, 30 p. (1974) NSA <u>30</u> , 3383	74-NOS-2
NOSHKIN, V. E. See also: 71-BOW	
NOVOSELOVA, G. P. See: 71-GNE-2	
NUTTINCK, D. See: 71-DUL	

OAKLEY, W. D., and R. C. Thompson Further studies on percutaneous absorption and decontamination of plutonium in rats Doc. HW-41500, 106-113 (1956) EP <u>S2</u> , 206	56-OAK
OAKLEY, W. D. See also: 57-BAL, 55-KAT-2, 53-WEK, 53-WEK-2, 54-WEK, 55-WEK, 55-WK-2, 56-WEK	
ODLAND, L. T., R. L. Farr, K. E. Blackburn and A. J. Clay Industrial medical experience associated with the Palomares nuclear incident J. Occup. Med. <u>10</u> , 356-362 (1968) NSA <u>22</u> , 43318	68-ODL
ODLAND, L. T., R. G. Thomas, J. C. Taschner, H. R. Kaufman and R. E. Benson Bioassay experiences in support of field operations associated with widespread dispersion of plutonium In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 256-265 (1968) NSA <u>23</u> , 24639	68-ODL-2
OHELENSCHLAEGER, L. Report of a perforating and incised wound of the left forefinger contaminated with ^{241}Am (in German) Strahlentherapie <u>142</u> , 73-79 (1971) NSA <u>26</u> , 9572	71-OHL
OHELENSCHLAEGER, L. Surgical treatment of alpha-contaminated injuries (in German) In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 563-572 (1971) NSA <u>25</u> , 37782	71-OHL-2
OHELENSCHLAEGER, L., and H. Schieferdecker Report about a plutonium-239 contaminated lacerated and incised wound (in German) Strahlentherapie <u>146</u> , 675-684 (1973) NSA <u>30</u> , 21420	73-OHL
OHNO, S. See: 71-SUZ-2	
OKABAYASHI, H. and H. Watanabe Concentration of plutonium in Japanese human bone J. Radiat. Res. <u>14</u> , 363-368 (1973) NSA <u>31</u> , 33550	73-OKA
OKABAYASHI, H. See also: 71-SUZ-2	
OKSENTYUK, G. S. See: 71-KAV	
OLAFSON, J. H., N. Nishita and K. H. Larson Distribution of plutonium in the soils of central and northeastern New Mexico as a result of the atomic bomb test of July 16, 1945 Doc. UCLA 406, 24 p. (1945) NSA <u>11</u> , 13247 EP 28	45-OLA
OLAFSON, J. H., and K. H. Larson Plutonium, its biology and environmental persistence In: Radioecology (V. Schultz and A. W. Klement, Jr., eds., Reinhold, New York) 633-639 (1963) NSA <u>16</u> , 9812	63-OLA
OLIVER, G. D., Jr. See: 73-BEY, 70-BUC, 73-BUC, 73-CAJ, 71-WIT	
OLSON, J. S., S. I. Auerbach, D. G. Jacobs and T. Tamura Distribution of radioactive isotopes in plants, insects and soils Nucl. Safety <u>1</u> , 2-9 (1960)	60-OLS
OLSON, R. J. See: 74-PAR	
ORESHINA, A. F. See: 70-SMO, 68-TAR	

OSANOV, D. P., E. B. Ershov, O. V. Klickov and V. A. Rackova Kinetics of dose distribution in structural layers of skin contaminated with radioactive materials Health Phys. <u>20</u> , 559-599 (1971) NSA <u>25</u> , 46829	71-OSA
OSANOV, D. P., M. Y. Tissen and V. V. Filatov Determination of the content of plutonium in the human organism by the rate of its elimination (in Russian) Med. Radiol. <u>16</u> (4), 44-51 (1971) NSA <u>25</u> , 32334	71-OSA-2
OSANOV, D. P., E. B. Ershov, O. K. Ilikov and V. A. Rackova Kinetics of dose distribution in skin contaminated with radioactive substances (in Russian) Med. Radiol. <u>16</u> (5), 44-50 (1971) NSA <u>25</u> , 42257	71-OSA-3
OSANOV, D. P., V. V. Filatov and M. Y. Tissen Determination of ^{239}Pu in a living human organism from the rate of its elimination In: Health Physics Problems of Internal Contamination (E. Bujdosó, ed., Akademiai Kiado, Budapest) 491-496 (1973) NSA <u>28</u> , 30307	73-OSA
OSANOV, D. P. See also: 70-ERS, 74-ERS	
OSBORNE, R. V. Plutonium-239 and other nuclides in ground-level air and human lungs during Spring 1962 Nature <u>199</u> , 143-146 (1963) NSA <u>17</u> , 30770	63-OSB
O'TOOLE, J. J. See: 75-FEL	
OVCHARENKO, E. P. Transfer of transuranium elements to the offspring of rats with milk Radiobiologiya <u>11</u> , 566-569 (1971) translated in Doc. AEC-tr-7304, 110-114 NSA <u>26</u> , 36458	71-OVC
OVCHARENKO, E. P. Peculiarities of the postnatal development of offspring of male rats treated with ^{241}Am Radiobiologiya <u>11</u> , 570-574 (1971) translated in Doc. AEC-tr-7304, 115-120 NSA <u>26</u> , 36452	71-OVC-2
OVCHARENKO, E. P. Effect of ^{241}Am on the functional state of sex glands in female rats In: Remote Aftereffects of Radiation Damage (Y. I. Moskalév, ed., Atomizdat, Moscow) 421-430 (1971) translated in AEC-tr-7387, 463- 472 PD <u>7</u> , 358T	71-OVC-3
OVCHARENKO, E. P. Characteristics of postnatal development of offspring of female rats exposed to ^{241}Am In: Remote Aftereffects of Radiation Damage (Y. I. Moskalév, ed., Atomizdat, Moscow) 430-438 (1971) translated in AEC-tr-7387, 473-482 PD <u>7</u> , 359T	71-OVC-4
OVCHARENKO, E. P. Experimental evaluation of the effects of transuranic elements on reproductive ability Health Phys. <u>22</u> , 641 (1972) NSA <u>26</u> , 38740	72-OVC
OVCHARENKO, E. P. Quantitative estimation of ^{241}Am effect on the morphological structure of rat ovary (Abstract) (in Russian) Radiobiologiya <u>12</u> , 628 (1972) PD <u>7</u> , 360T	72-OVC-2

OVCHARENKO, E. P. Effect of ^{241}Am on the spermatogenesis of rats (Abstract) (in Russian) Radiobiologiya <u>12</u> , 629 (1972) PD <u>7</u> , 361T	72-OVC-3
OVCHARENKO, E. P, and A. M. Lyaginskaya Histopathology of rat testicles damaged by americium 241 In: Biological Effects of Radiation from External and Internal Sources, (Y. I. Moskalev and V. S. Kalistratova, eds., Meditsina, Moscow) 334-340 (1972) translated in AEC-tr-7457, 491-497 NSA <u>30</u> , 9976	72-OVC-4
OVCHARENKO, E. P. Investigation of the functional state of the ovaries of rats after introduction of plutonium-239 (Abstract) Radiobiologiya <u>14</u> , 466 (1974) translated in AEC-tr-7596, 197	74-OVC
OVCHARENKO, E. P. Influence of transuranic elements on the sex glands of male rats (Abstract) Radiobiologiya <u>14</u> , 467 (1974) translated in AEC-tr-7596, 199	74-OVC-2
OVCHARENKO, E. P. See also: 71-BUL-2, 71-LYA, 69-MOS-4	
OVERSTREET, R., L. Jacobson, H. Fisher and K. Scott Progress Report on Metabolism of Fission Products for Period Ending October 15, 1943 Doc. MDDC-1011 (CH-1049), 61 p. (no date) ADD <u>1</u> , 1011	43-OVE
OVERSTREET, R. See also: 48-JAL	
OWEN, J. B. Control of personnel exposures to external radiations in a plutonium chemical plant In: Health Physics Operational Monitoring, Vol. 2 (C. A. Willis, ed., Gordon and Breach, New York) 1215-1222 (1972) NSA <u>29</u> , 29780	72-OWE

PAGANINI FIORATTI, M., and S. Ricci Piermattei 73-PAF
 Evaluation of activity in lung and lymph nodes following inhalation
 of radioactive insoluble aerosols
 In: Health Physics Problems of Internal Contamination (E. Bujdoso,
 ed., Akademiai Kiado, Budapest) 65-76 (1973) NSA 28, 30348

PAGLIA, D. E. 68-PAG
 Hematopathologic surveys of kangaroo rats (*Dipodomys microps*)
 populating plutonium contaminated regions of the Nevada Test Site
 Health Phys. 15, 493-498 (1968) NSA 23, 7975

PAINE, D., J. E. Johnson and R. L. Watters 71-PAI
 Plutonium movement in aquatic systems: A review
 In: Proceedings of the Rocky Flats Symposium on Safety in Plutonium
 Handling Facilities (Doc. CONF-710401) 407-410 (1971) NSA 25,
 55150

PAINTER, E., E. Russell, C. L. Prosser, M. N. Swift, W. Kisielewski 46-PAE
 and G. Sacher
 Clinical physiology of dogs injected with plutonium
 Doc. AECD-2042 (CH-3858) 129 p. (1946) NSA 1, 42

PAINTER, E. See also: 45-COK-2, 45-RUE

PALMER, H. E. See: 62-ROE

PALOTAY, J. L. See: 66-BAL, 67-BAL, 64-CLA-2, 66-CLA, 65-MAH,
 68-SMV, 68-WOD

PANOVA, V. P. See: 71-MOS-3

PARK, H. Z., S. W. Whitson and W. S. S. Jee 72-PAZ
 Vascular theory of radiation injury to bone
 In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds.,
 J. W. Press, Salt Lake City) 305-322 (1972) NSA 26, 41261

PARK, J. F., D. H. Willard, S. Marks, J. E. West, G. S. Vogt and 62-PAR
 W. J. Bair
 Acute and chronic toxicity of inhaled plutonium in dogs
 Health Phys. 8, 651-657 (1962) NSA 17, 10322

PARK, J. F., W. J. Clarke and W. J. Bair 64-PAR
 Chronic effects of inhaled plutonium in dogs
 Health Phys. 10, 1211-1217 (1964) NSA 19, 3863

PARK, J. F., W. J. Clarke and W. J. Bair 65-PAR
 Plutonium particle-induced neoplasia of the canine lung. I.
 Clinical and gross pathology
 In: Lung Tumors in Animals (L. Severi, ed., University of Perugia,
 Perugia, Italy) 331-344 (1966) NSA 19, 38359

PARK, J. F., E. B. Howard and W. J. Bair 69-PAR
 Acute toxicity of inhaled $^{238}\text{PuO}_2$ in beagle dogs
 AFWL-TR-69-75, 66 p. (1969)

PARK, J. F., E. B. Howard, B. O. Stuart, A. P. Wehner and J. V. 71-PAR
 Dilley
 Cocarcinogenic studies in pulmonary carcinogenesis
 In: Morphology of Experimental Respiratory Carcinogenesis (P.
 Nettesheim, et al., eds., Doc. CONF-700501) 417-436 (1971)
 NSA 25, 32530

PARK, J. F., W. J. Bair and R. H. Busch 72-PAR
 Progress in beagle dog studies with transuranium elements at
 Battelle-Northwest
 Health Phys. 22, 803-810 (1972) NSA 26, 38747

PARK, J. F., D. L. Catt, D. K. Craig, R. J. Olson and V. H. Smith Solubility changes of ^{238}Pu oxide in water suspension and effect on biological behavior after inhalation by beagle dogs In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder, ed., Doc. CONF-730901-P1) Vol. 1, 719-724 (1974)	74-PAR
PARK, J. F. See also: 63-BAI-2, 64-BAI, 66-BAI, 68-BAI, 72-BAI, 73-BAI, 72-BAL-2, 64-CLA-2, 65-CLA, 66-CLA, 72-CRD, 71-SAN-2, 68-STU, 67-SWI, 72-SWI-2, 72-THO-2, 63-TOM	
PARKER, H. G., A. de G. Low-Beer and E. L. Isaac Comparison of retention and organ distribution of ^{241}Am and ^{252}Cf in mice: The effect of in vivo DTPA chelation Health Phys. <u>8</u> , 679-684 (1962) NSA <u>16</u> , 9765	62-PAH
PARKER, H. G., S. R. Wright, A. de G. Low-Beer and D. J. Yaeger Metabolism of ^{253}Es in mice Health Phys. <u>22</u> , 647-651 (1972) NSA <u>26</u> , 38776	72-PAG
PARKER, H. G., and S. R. Wright Whole-body counting of ^{241}Am and ^{252}Cf with the Anger camera Health Phys. <u>22</u> , 891-897 (1972) NSA <u>26</u> , 38479	72-PAH-2
PARKER, H. M. Status of Product Monitoring by Health Physics Section Doc. CN-1892, 9 p. (1944) NSA <u>30</u> , 21087	44-PAK
PARKER, H. M. Radiation exposure experience in a major atomic energy facility Proc. Int. Conf. Peaceful Uses At. Energy <u>13</u> , 266-269 (1956)	56-PAK
PARKER, H. M. Biological implications of the transuranic elements for man Health Phys. <u>22</u> , 953-954 (1972) NSA <u>22</u> , 38732	72-PAK
PARKER, H. M. Plutonium. Industrial hygiene, health physics and related aspects In: Uranium-Plutonium-Transplutonic Elements (H. C. Hodge, J. N. Stannard and J. B. Hursh, eds., Springer-Verlag, New York) 613-667 (1973) PD <u>8</u> , 1024	73-PAK
PARKER, H. M. See also: 55-KAT, 56-THO-2	
PARKHOMENKO, G. M. See: 72-KHO	
PARSONNET, V., T. F. Hursen and G. H. Myers Development of radioisotope power sources for pacemakers in the United States In: Cardiac Pacing (H. J. Thalen, ed., Van Gorcum, Assen) 192-197 (1973) PD <u>8</u> , 1817	73-PAV
PARSONT, M. A., W. L. Holley and W. D. Burnett Effect of particle size on organ distribution of radioactive material deposited in the lungs Health Phys. <u>22</u> , 143-148 (1972)	72-PAM
PASQUIER, C. See: 72-DUC, 74-DUC	
PASTERNAK, B. S. See: 75-HAI	
PATIN, S. A., V. L. Pechkurenkov and I. A. Shekhanova Kinetics and mechanism of accumulation of plutonium by <i>Misgurnus fossilis</i> spawn Radiobiologiya <u>11</u> , 742-746 (1971) translated in AEC-tr-7306, 153-159 NSA <u>26</u> , 38759	71-PAT
PATTI, F. See: 64-JEA	

PAYNE, J. G. See: 72-MIL

PEABODY, C. O. See: 64-SPE

PECHKURENKOV, V. L. See: 71-PAT

PEGG, C. A. S. See: 69-NOM, 69-SAG

PENDLETON, R. C., C. W. Mays, R. D. Lloyd and N. V. Hancock 64-PEN
 Fall-out ^{239}Pu and ^{95}Zr in the lungs of deer
 Nature 202, 715-716 (1964) NSA 18, 25693

PENNEMAN, R. A., and L. J. Johnson 71-PER
 Experience with handling transuranium elements at Los Alamos
 In: Radiation Protection Problems Relating to Transuranium Elements
 (Doc. EUR-4612) 327-351 (1971) NSA 25, 37798

PENTREATH, R. J. 72-PET
 The metabolism of radionuclides
 In: Marine Radioecology (Organization for Economic Co-operation and
 Development, Paris) 97-126 (1972) NSA 29, 827 PD 8, 1481

PERKINS, R. W. See: 67-THC

PERLYUK, M. F. See: 71-ZLO

PERSING, R. L. See: 62-BUS

PERSSON, R. B. R. See: 75-HOM

PESTERNIKOV, V. M., and Z. M. Bukhtoyarova 72-PES
 Dynamics of the ^{239}Pu -induced osteosarcoma growth rate (in Russian)
 Med. Radiol. 17 (3), 19-24 (1972) NSA 26, 43378

PESTERNIKOV, V. M. 72-PES-2
 Determination of maximum permissible plutonium 239 level
 according to the osteosarcomogenic effect
 In: Biological Effects of Radiation from External and Internal
 Sources (Y. I. Moskalev and V. S. Kalistratova, eds., Meditsina,
 Moscow) 265-270 (1972) translated in AEC-tr-7457, 391-397
 NSA 30, 9968

PESTERNIKOV, V. M. See also: 72-BUL, 71-LEV, 72-LEV

PETAVY, G. See: 70-KUN, 70-LUT

PETERMANN, P. See: 66-TAG

PETROVICH, I. K. See: 67-MOS-2, 71-MOS, 71-MOS-3, 72-MOS-4,
 73-MOS-4, 74-MOS, 74-MOS-2, 68-ZAL, 69-ZAL,
 72-ZAL-2, 74-ZAL

PEYRESBLANQUES, H. See: 70-ROD

PHELPS, P. L. See: 73-ANS

PHEMISTER, R. D. See: 75-DAG, 75-DAG-2

PHILLIPS, C. R. See: 71-SHE

PICKRELL, J. A. See: 72-THR-2

PIERCE, M. 48-PIE
 The gastrointestinal tract
 In: Histopathology of Irradiation from External and Internal Sources
 (W. Bloom, ed., McGraw Hill, New York) 502-540 (1948)

PIGFORD, T. H. 74-PIG
 Environmental aspects of nuclear energy production
 Annu. Rev. Nucl. Sci. 24, 515-559 (1974) NSA 31, 16528

PIGFORD, T. H. See also: 74-GAV

PILLAI, K. C., R. C. Smith and T. R. Folsom 64-PIL
 Plutonium in the marine environment
 Nature 203, 568-571 (1964) NSA 18, 39108

PILLERON, J. P., H. Jammet, J. Lafuma, J. Manquene and R. Gongora 64-PIJ
 Concerning a case of deep injury caused by foreign bodies heavily
 contaminated by ^{239}Pu . Decontamination surgery under surveillance
 of a nuclear detection device (in French)
 Mem. Acad. Chir. 90, 323-329 (1964) NSA 19, 33973

PILTINGSRUD, C. W. See: 65-LAG, 67-LAG-2, 65-PUT

PIWNICA, A. See: 73-LAU

PLANAS-BOHNE, F., and H. Ebel 75-PLA
 Dependence of DTPA-toxicity on the treatment schedule
 Health Phys. 29, 103-106 (1975) NSA 32, 28322

PLESKOVA, A. See: 71-TRN

PLOTNIKOVA, L. A., and G. D. Baisogolov 64-PLO
 The effect of Na_3Ca -DTPA (pentacene) on the excretion of Pu^{239}
 from the human organism
 Med. Radiol. 9(1), 49-52 (1964) translated in JPRS-23566, 9-13
 NSA 18, 13431

PODA, G. A. See: 72-JOY, 69-VER

PODGORODETSKAYA, V. N. See: 64-BAD

POET, S. E., and E. A. Martell 72-POE
 Plutonium-239 and ^{241}Am contamination in the Denver area
 Health Phys. 23, 537-548 (1972) NSA 26, 56113

POET, S. E., and E. A. Martell 74-POE
 Reply to "Plutonium-239 contamination in the Denver area"
 by P. W. Krey
 Health Phys. 26, 120-122 (1974) NSA 29, 15598

POLIG, E. See: 72-VOL

POLZER, W. L. 71-POW
 Solubility of plutonium in soil/water environments
 In: Proceedings of the Rocky Flats Symposium on Safety in Plutonium
 Handling Facilities (Doc. CONF-710401) 411-429 (1971) NSA 25, 54756

POND, S. F. See: 67-JOI

POPLYKO, M. G., and N. A. Koshurnikova 74-POM
 Long-term consequences of chronic inhalation of plutonium citrate
 (Abstract)
 Radiobiologiya 14, 464 (1974) translated in AEC-tr-7596, 195

POPLYKO, M. G. See also: 74-BUK, 72-KOS, 72-KOS-2, 73-KOS-3, 73-KOS,
 74-TEA

POPOV, B. A. 73-POV
 Influence of pentacin on the acceleration of the elimination of ^{241}Am from the rat organism (Abstract)
 Radiobiologiya 13, 154 (1973) translated in AEC-tr-7430, 214
 PD 7, 982T

POPOV, B. A. See also: 72-ZAL, 73-ZAL

POPPELWELL, D. S., and G. Boocock 68-POL
 Distribution of some actinides in blood serum proteins
 In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam)
 45-55 (1968) NSA 23, 24629

POPPELWELL, D. S., G. Boocock, D. M. Taylor and C. J. Danpure 71-POL
 Subcellular distribution of americium and curium in rat liver
 In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 205-222 (1971) NSA 25, 37720

POPPELWELL, D. S. 73-POL
 The chemistry of plutonium incorporated in humans
 Radiol. Prot. Bull. No. 3, 13-16 (1973) NSA 28, 6079

POPPELWELL, D. S. 73-POL-2
 Plutonium uptake by cell cultures in presence of some chelating agents
 Health Phys. 25, 413-420 (1973) NSA 28, 30289

POPPELWELL, D. S. See also: 65-BOC, 66-BOC, 70-BOC

POROZOV, N. V. See: 74-DOE, 74-DOE-2

POST, J. See: 57-FOR

POSTEL, S. See: 47-ABR

POTTER, T. See: 72-CAL

POTTS, A. M. See: 47-ABR

PRASAD, N. See: 70-BUC, 72-DEF, 73-BUC

PRATT, M. W. See: 68-NGY

PRICE, K. R. 71-PRI
 Critical review of biological accumulation, discrimination, and uptake of radionuclides important to waste management practices, 1943-1971
 Doc. BNWL-B-148, 67 p. (1971) PD 6, 3289

PRICE, K. R. 72-PRI
 Uptake of ^{237}Np , ^{239}Pu , ^{241}Am and ^{244}Cm from soil by tumbleweed and cheatgrass
 Doc. BNWL-1688, 14 p. (1972) NSA 27, 5570

PRICE, K. R. 73-PRI
 Tumbleweed and cheatgrass uptake of transuranium elements applied to soil as organic acid complexes
 Doc. BNWL-1755, 10 p. (1973) NSA 28, 21108

PRICE, K. R. 73-PRI-2
 Transuranic elements in soils, plants, and animals
 J. Environ. Qual. 2, 62-66 (1973) NSA 28, 385

PRINE, J. R. See: 74-ANE

<p>PROSSER, C. L. The clinical sequence of physiological effects of ionizing radiation in animals Radiology <u>49</u>, 299-313 (1947) BA <u>22</u>, 10794</p>	47-PRO
<p>PROSSER, C. L., and M. N. Swift An interspecies comparison of the radiotoxicity of X-ray, strontium- 89, and plutonium-239 Doc. AECD-2828 (CH-3893), 10 p. (1949) EP <u>S2</u>, 40</p>	49-PRO
<p>PROSSER, C. L. See also: 45-COK, 45-COK-2, 46-PAE</p>	
<p>PROUT, W. E. Adsorption of radioactive wastes by Savannah River Plant soil Soil Sci. <u>86</u>, 13-17 (1958) NSA <u>12</u>, 13076</p>	58-PRW
<p>PURTYMUN, W. D. Plutonium in stream channel alluvium in the Los Alamos area, New Mexico Doc. LA-4561, 7 p. (1970) NSA <u>25</u>, 15762</p>	70-PUR
<p>PURTYMUN, W. D. See also: 74-HAK-2, 70-KEN, 71-KEN</p>	
<p>PUTZIER, E. A., C. R. Lagerquist, S. E. Hammond, J. R. Mann and C. W. Piltingsrud Evaluation and treatment of an acute internal exposure to plutonium In: Personnel Dosimetry for Accidental High-Level Exposure to External and Internal Radiation (International Atomic Energy Agency, Vienna) 549-566 (1965) NSA <u>19</u>, 26579</p>	65-PUT
<p>PUTZIER, E. A. See also: 64-HAS, 65-LAG, 67-LAG-2</p>	
<p>PUZYREV, A. A., and A. P. Nifatov Microdistribution of americium 241 in some rat organs following intraperitoneal and intratracheal administration of this isotope In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskalev and V. S. Kalistratova, eds., Meditsina, Moscow) 298-302 (1972) translated in AEC-tr-7457, 435-440 NSA <u>30</u>, 10017 PD <u>8</u>, 664T</p>	72-PUZ
<p>PUZYREV, A. A. See also: 69-ERO, 71-ERO, 68-KOS, 71-KOS-2</p>	

RAABE, O. G., H. A. Boyd, G. M. Kanapilly, C. J. Wilkinson and G. J. Newton 75-RAB
 Development and use of a system for routine production of mono-disperse particles of $^{238}\text{PuO}_2$ and evaluation of gamma-emitting labels
 Health Phys. 28, 655-667 (1975) NSA 32, 16898

RAABE, O. G. See also: 74-KAN

RADASCH, C. A. See: 68-SCL

RADWAN, I. See: 73-JAW

RAFTER, J. J. See: 73-HAW

RAGAN, H. A. See: 68-SMV

RAHMAN, Y. E., and A. Lindenbaum 64-RAH
 Lysosome particles and subcellular distributions of polymeric tetravalent plutonium-239
 Radiat. Res. 21, 575-583 (1964) NSA 18, 19669

RAHMAN, Y. E., M. W. Rosenthal and E. A. Cerny 73-RAH
 Intracellular plutonium: Removal by liposome-encapsulated chelating agent
 Science 180, 300-302 (1973) NSA 27, 28038

RAJU, M. R., and J. H. Jett 74-RAJ
 RBE and OER variations of mixtures of plutonium alpha particles and X-rays for damage to human kidney cells (T-1)
 Radiat. Res. 60, 473-481 (1974) NSA 31, 8817

RAKOVA, V. A. See: 70-ERS, 71-OSA, 71-OSA-3

RAMIS, C. A. See: 70-ALV, 68-FOW

RAMOS, E. See: 69-IRA, 73-LAD

RAMSDEN, D., and R. G. Speight 68-RAM
 The measurement of ^{239}Pu in vivo. A progress report
 In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 171-188 (1968) NSA 23, 24636

RAMSDEN, D. 69-RAM
 The measurement of ^{239}Pu in vivo
 Health Phys. 16, 145-153 (1969) NSA 23, 14212

RAMSDEN, D., M. E. D. Bains and D. C. Fraser 70-RAM
 In-vivo and bioassay results from two contrasting cases of plutonium-239 inhalation
 Health Phys. 19, 9-17 (1970) NSA 24, 44502

RAMSDEN, D., and D. A. Waite 72-RAM
 Inhalation of insoluble iron-oxide particles in the submicron range
 In: Assessment of Radioactive Contamination in Man (International Atomic Energy Agency, Vienna) 65-81 (1972) NSA 26, 56520

RAMSDEN, D. See also: 70-DEA, 64-SPE

RANNAUD, J. C. See: 70-KUN, 70-LUT

REDISKE, J. H., J. F. Cline and A. A. Selders 55-RED
 The absorption of fission products by plants
 Doc. HW-36734, 17 p. (1955) NSA 9, 5837

REHFELD, C. E., B. J. Stover, G. N. Taylor and C. W. Mays 62-REH
 Fracture incidence in beagles receiving single injections of
 radium or plutonium
 In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al.,
 eds., Pergamon Press, New York) 131-143 (1962) NSA 17, 19891

REHFELD, C. E. See also: 62-CHR, 62-DOT, 62-TAG, 62-TAG-2, 66-TAG,
 69-TAG-2, 62-TAD

REIDEMEISTER, C. See: 73-LAU

REPIN, V. S. See: 74-LIK

RESHETOV, G. N. See: 64-ERO, 64-MOS, 66-MOS-2, 66-MOS-3

RETFERFORD, J. C. See: 74-BRA

RHOADES, R. P. 48-RHO
 Structures accessory to the gastrointestinal tract
 In: Histopathology of Irradiation from External and Internal
 Sources (W. Bloom, ed., McGraw Hill, New York) 541-549 (1948)

RHOADES, R. P. 48-RHO-2
 The adrenal
 In: Histopathology of Irradiation from External and Internal
 Sources (W. Bloom, ed., McGraw Hill, New York) 736-739 (1948)

RHODES, D. W. 57-RHD
 Absorption of plutonium by soil
 Soil Sci. 84, 465-471 (1957) NSA 12, 17014

RICCI PIERMATTEI, S. See: 73-PAF

RICHMOND, C. R., J. E. London, J. S. Wilson and J. Langham 68-RIC
 Biological response to small discrete highly radioactive sources.
 I. Observations on gastrointestinal transit, histological
 change, and tissue deposition in beagles fed one-half curie
²³⁸PuO₂ for 6 months
 Health Phys. 15, 487-492 (1968) NSA 23, 7950

RICHMOND, C. R., J. Langham and R. S. Stone 70-RIC
 Biological response to small discrete highly radioactive sources.
 II. Morphogenesis of microlesions in rat lungs from
 intravenously injected ²³⁸PuO₂ in microspheres
 Health Phys. 18, 401-408 (1970) NSA 24, 27510

RICHMOND, C. R. 70-RIC-2
 Program planning in inhalation carcinogenesis: USAEC plans
 In: Inhalation Carcinogenesis (M. G. Hanna, et al., eds.,
 Doc. CONF-691001) 483-497 (1970) PD 4, 4136

RICHMOND, C. R. 74-RIC
 Human experience as related to plutonium
 In: Plutonium Information Meeting for an Ad Hoc Subcommittee
 of the Advisory Committee on Reactor Safeguards, Doc. CONF-
 740115, 87-96 (1974) NSA 31, 14403

RICHMOND, C. R. 74-RIC-2
 Biomedical effects of plutonium on humans (part of AEC presentation
 at EPA Plutonium Standards Hearings, December 10-11, 1974)
 In: Doc. WASH-1359, 235-269 (1974) NSA 31, 16861

RICHMOND, C. R. See also: 74-ANE, 74-BAI-3, 72-BUS, 74-HEA-2, 73-HEM,
 73-HEM-2, 74-HEM

ROBERTS, L. See: 74-TAG

ROBERTSON, D. E. 72-ROQ
 Influence of the physico-chemical forms of radionuclides and
 stable trace elements in seawater in relation to uptake by the
 marine biosphere
 In: Marine Radioecology (Organization for Economic Cooperation
 and Development, Paris) 21-93 (1972) NSA 29, 399

ROBERTSON, D. M. See: 71-COR

ROBERTSON, J. S., and S. H. Cohn 64-ROB
 Evaluation of plutonium exposures in man
 Health Phys. 10, 373-389 (1964) NSA 18, 29298

ROBERTSON, J. S. See also: 70-ATK, 72-ATK, 64-COS, 73-FAI

RODIER, J., J. Chassany, R. Estournel and H. Peyresblanques 70-ROD
 Twelve years of health physics in a plutonium production plant
 (in French)
 Arch. Mal. Prof. Med. Trav. Secur. Sociale, 31, 9-22 (1970)
 NSA 25, 4526

RODRIGUEZ, E. R. 68-ROG
 Palomares two years after
 In: Radiological Protection of the Public in a Nuclear Mass Disaster,
 Proceedings of a Symposium, Interlaken, Switzerland, 1968 (H. Brunner
 and S. Pretre, eds., Fachverband fuer Strahlenschutz) 36-38 (1968)
 NSA 23, 20181

RODRIGUEZ, E. R. See also: 68-FOW

ROESCH, W. C., and J. W. Baum 58-ROE
 Detection of plutonium in wounds
 In: Proceedings of the Second United Nations International Conference
 on the Peaceful Uses of Atomic Energy, Vol. 23. Experience in
 Radiological Protection (United Nations, Geneva) 142-143 (1958)
 NSA 12, 14615

ROESCH, W. C., and H. E. Palmer 62-ROE
 Detection of plutonium in vivo by whole body counting
 Health Phys. 8, 773-776 (1962) NSA 17, 13882

ROGACHEVA, S. A. See: 62-BOG

ROIZIN-TOWLE, L. A. See: 71-HAZ, 74-HAZ

ROMNEY, E. M., H. M. Mork and K. H. Larson 70-ROM
 Persistence of plutonium in soil, plants and small animals
 Health Phys. 19, 487-491 (1970) NSA 25, 4478

ROMNEY, E. M., and J. J. Davis 72-ROM
 Ecological aspects of plutonium dissemination in terrestrial
 environments
 Health Phys. 22, 551-557 (1972) NSA 26, 38419

ROMNEY, E. M., A. Wallace, R. O. Gilbert, S. A. Bamberg, J. D. 73-ROM
 Childress, J. E. Kinnear and T. L. Ackerman
 Some ecological attributes and plutonium contents of perennial
 vegetation in area 13
 Doc. UCLA-12-937, 19 p. (1973) NSA 29, 10129

ROMNEY, E. M., A. Wallace, R. O. Gilbert and J. E. Kinnear 75-ROM
²³⁹⁻²⁴⁰Pu and ²⁴¹Am contamination of vegetation in aged plutonium
 fallout areas
 Doc. UCLA-12-986, 52 p. (1975) NSA 31, 29626

ROMNEY, E. M. See also: 65-NIS, 74-WAC

ROSE, D. J. Nuclear eclectic power Science <u>184</u> , 351-359 (1974)	74-ROX
ROSE, D. J. See also: 73-KUB	
ROSEN, J. C., N. Cohen and M. E. Wrenn Short term metabolism of ^{241}Am in the adult baboon Health Phys. <u>22</u> , 621-626 (1972) NSA <u>26</u> , 38773	72-ROJ
ROSEN, J. C. See also: 72-WRE	
ROSENBAUM, H. C. See: 70-GJO	
ROSENBLATT, L. S. See: 72-BUS, 69-DOJ, 70-DOJ, 71-DOJ	
ROSENTHAL, M. W. (ed.) Therapy of Radioelement Poisoning. Transcription of a Meeting on Experimental and Clinical Approaches to the Treatment of Poisoning by Radioactive Substances (Doc. ANL-5584) 181 p. (1956) NSA <u>11</u> , 893	56-ROS
ROSENTHAL, M. W. The use of zirconium and other carriers in the removal of radioelements from the body. Comments on the use of complexing agents In: Therapy of Radioelement Poisoning (M. W. Rosenthal, ed., Doc. ANL-5584) 100-113 (1956)	56-ROS-2
ROSENTHAL, M. W., and J. Schubert Kinetics of body distribution of plutonium as influence by zirconium Radiat. Res. <u>6</u> , 349-354 (1957) NSA <u>11</u> , 5754 EP <u>S2</u> , 218	57-ROS
ROSENTHAL, M. W. Radioisotope absorption and methods of elimination: Factors influencing elimination from the body In: Radioisotopes in the Biosphere (R. S. Caldecott and L. A. Snyder, eds., University of Minnesota, Minneapolis) 541-563 (1960) NSA <u>14</u> , 23878	60-ROS
ROSENTHAL, M. W., J. F. Markley, A. Lindenbaum and J. Schubert Influence of DTPA therapy on long-term effects of retained plutonium Health Phys. <u>8</u> , 741-745 (1962) NSA <u>17</u> , 12128	62-ROS
ROSENTHAL, M. W., and A. Lindenbaum Effect of desferrioxamine-B-methane sulfonate (DFOM) on removal of plutonium in vitro and in vivo Proc. Soc. Exptl. Biol. Med. <u>117</u> , 749-750 (1964) NSA <u>19</u> , 8769	64-ROS
ROSENTHAL, M. W., and A. Lindenbaum Influence of DTPA therapy on long-term effects of retained monomeric plutonium: Comparison with polymeric plutonium Radiat. Res. <u>31</u> , 506-521 (1967) NSA <u>21</u> , 34577	67-ROS
ROSENTHAL, M. W., J. H. Marshall and A. Lindenbaum Autoradiographic and radiochemical studies of the effect of colloidal state of intravenously injected plutonium on its distribution in bone and marrow In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 73-80 (1968) NSA <u>23</u> , 24632	68-ROS

ROSENTHAL, M. W., M. Smoler and A. Lindenbaum 68-ROS-2
 Combined reticuloendothelial stimulation and long-term intermittent
 DTPA therapy in poisoning by polymeric plutonium
 In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg
 and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam)
 403-412 (1968) NSA 23, 24548

ROSENTHAL, M. W., J. J. Russell, E. S. Moretti and A. Lindenbaum 69-ROS
 Effective dose of DTPA, spaced at 3 day intervals, in removal of
 skeletal plutonium
 Health Phys. 16, 806-808 (1969) NSA 23, 35711

ROSENTHAL, M. W., and A. Lindenbaum 69-ROS-2
 Osteosarcomas as related to tissue distribution of monomeric and
 polymeric plutonium in mice
 In: Delayed Effects of Bone-Seeking Radionuclides (C. W. Mays,
 et al., eds., University of Utah Press, Salt Lake City) 371-386
 (1969) NSA 23, 38801

ROSENTHAL, M. W., E. Moretti, J. J. Russell and A. Lindenbaum 72-ROS
 Marrow deposition and distribution of monomeric and polymeric
²³⁹Pu in the mouse, estimated by use of ⁵⁹Fe
 Health Phys. 22, 743-748 (1972) NSA 26, 38788

ROSENTHAL, M. W., A. Lindenbaum, J. J. Russell, E. Moretti and 72-ROS-2
 D. Chladek
 Metabolism of monomeric and polymeric plutonium in the rabbit.
 Comparison with the mouse
 Health Phys. 23, 231-238 (1972) NSA 26, 45917

ROSENTHAL, M. W., H. Brown, D. L. Chladek, E. S. Moretti, J. J. 73-ROS
 Russell and A. Lindenbaum
 Removal of plutonium from mouse liver by glucan and DTPA
 Radiat. Res. 53, 102-114 (1973) NSA 27, 22807

ROSENTHAL, M. W. See also: 73-BAX, 73-BAX-2, 62-LIN, 68-LIN, 68-LIN-2,
 72-LIN, 62-MAR, 64-MAR, 73-RAH, 61-SCH-2

ROSOFF, B. See: 62-STE

ROSS, D. M. 68-RON
 A statistical summary of USAEC contractors' internal exposure
 experience 1957-1966
 In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg
 and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 427-
 434 (1968) NSA 23, 24645

ROSSI, H. H. See: 71-HAZ, 74-HAZ-2

ROWDEN, G., and A. C. James 69-ROW
 An electron-microscope-autoradiographic investigation of the
 localization of ²⁴¹Pu in rat liver
 Biochem. J. 111, 36P - 37P (1969) NSA 23, 50326

ROWDEN, G. See also: 69-JAM

ROWLAND, R. E., and E. Lloyd 69-ROL
 Deposition patterns of bone-seeking isotopes in man
 In: Environmental Contamination by Radioactive Materials (International
 Atomic Energy Agency, Vienna) 63-72 (1969) NSA 24, 7721

<p>ROWLAND, R. E., A. T. Keane and H. F. Lucas, Jr. A preliminary comparison of the carcinogenicity of ^{226}Ra and ^{228}Ra in man In: Radionuclide Carcinogenesis (C. L. Sanders, et al., eds., Doc. CONF-720505) 406-420 (1973) NSA <u>28</u>, 18537; PD <u>7</u>, 4647</p>	73-ROL
<p>ROWLAND, R. E. See also: 72-BUS, 68-LOE</p>	
<p>ROYSTER, G. W. See: 67-FIS</p>	
<p>ROZZELL, T. C. See: 70-AND</p>	
<p>RUDNITSKAYA, E. I., and Y. I. Moskaev Microdistribution and morphological changes in rats in the case of intravenous injection of ^{241}Am Radiobiologiya <u>10</u>, 570-574 (1970) translated in AEC-tr-7205, 138-145 NSA <u>25</u>, 10942</p>	70-RUD
<p>RUDNITSKAYA, E. I. Morphology of some processes at remote times accompanying ^{241}Am damage In: Remote Aftereffects of Radiation Damage (Y. I. Moskaev, ed., Atomizdat, Moscow) 406-414 (1971) translated in AEC-tr-7387, 447-454 PD <u>7</u>, 362T</p>	71-RUD
<p>RUDNITSKAYA, E. I., and Y. I. Moskaev Effects of subacute-effective doses of ^{241}Am on rabbits Radiobiologiya <u>12</u>, 788-791 (1972) translated in AEC-tr-7415, 205-209 NSA <u>27</u>, 27998</p>	72-RUD
<p>RUDNITSKAYA, E. I. Characteristics of microdistribution and morphological changes in dogs with damage induced by americium 241 In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskaev and V. S. Kalistratova, eds., Meditsina, Moscow) 324-331 (1972) translated in AEC-tr-7457, 475-485 NSA <u>30</u>, 9974</p>	72-RUD-2
<p>RUDNITSKAYA, E. I. Some aspects of thyroid and parathyroid damage due to americium 241 In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskaev and V. S. Kalistratova, eds., Meditsina, Moscow) 331-334 (1972) translated in AEC-tr-7457, 486-490 NSA <u>30</u>, 9975</p>	72-RUD-3
<p>RUDNITSKAYA, E. I., and Y. I. Moskaev Somatic effects in the action of ^{241}Am on animals (in Russian) Gig. Sanit. <u>(4)</u>, 46-50 (1974) NSA <u>30</u>, 24311</p>	74-RUD
<p>RUDNITSKAYA, E. I. See also: 67-MOS-2, 71-MOS, 71-MOS-4, 72-MOS-4, 73-MOS-4, 74-MOS, 74-MOS-3, 69-ZAL</p>	
<p>RUDOLPH, A. W., T. E. Carroll and R. S. Davidson Plutonium and its effects in the environment - a selected literature survey Doc. TID-26130, 203 p. (1971) NSA <u>26</u>, 48058</p>	71-RUA
<p>RUHMANN, A. G., and D. L. Berliner Serum lactic dehydrogenase levels in adult beagle dogs with internally deposited radionuclides Radiat. Res. <u>26</u>, 287-294 (1965) NSA <u>20</u>, 112</p>	65-RUH

RUNDO, J., B. T. Taylor, D. V. Bocker, D. Newton and D. Seargill Attenuation in the chest wall of 20 keV X rays from an inhaled radioactive aerosol Nature <u>217</u> , 642-643 (1968) NSA <u>22</u> , 21501	68-RUN
RUNDO, J., A. T. Keane and H. A. May Measurement of ^{241}Am in a 10-year old boy In: Assessment of Radioactive Contamination in Man (International Atomic Energy Agency) 579-594 (1972) NSA <u>26</u> , 56536	72-RUN
RUNDO, J., and J. Sedlet Retention and elimination of berkelium-241 - californium-249 following acute accidental inhalation In: Proc. Third Int. Radiat. Prot. Assn. (W. S. Snyder, ed., Doc. CONF-730901-P1) Vol. 1, 731-735 (1974) NSA <u>30</u> , 27236	74-RUN
RUNDO, J. See also: 70-DEA, 71-NED	
RUSSELL, E. R., H. Delaney, E. Motta, J. Muntz, E. S. G. Barron, E. E. Painter, R. Edwards, O. France, C. W. Hagen and S. Schwartz Effects of product upon dogs In: Doc. CN-2786, 18-28 (1945) EP <u>5</u> , 188	45-RUE
RUSSELL, E. R., and J. J. Nickson Distribution and excretion of plutonium In: Industrial Medicine on the Plutonium Project (R. S. Stone, ed., McGraw-Hill, New York) 256-263 (1951) EP <u>S2</u> , 84	51-RUE
RUSSELL, E. R. See also: 45-COK-2, 45-LAN, 46-PAE	
RUSSELL, J. J. See: 73-BAX, 72-LIN-2, 69-ROS, 72-ROS, 72-ROS-2, 73-ROS	
RUSSELL, R. S. The extend and consequences of the uptake by plants of radioactive nuclides Ann. Rev. Plant Physiol. <u>14</u> , 271-294 (1963) NSA <u>18</u> , 9821	63-RUS
RUSSELL, R. S. Behavior of radioactive materials in soil In: Radioactivity and Human Diet (R. S. Russell, ed., Pergamon Press, New York) 105-126 (1966) NSA <u>21</u> , 43323	66-RUS
RUSSELL, R. S. Other fission products, induced activities, and fissile materials In: Radioactivity and Human Diet (R. S. Russell, ed., Pergamon Press, New York) 353-363 (1966) NSA <u>21</u> , 43414	66-RUS-2
RYSINA, T. N. Plutonium distribution and excretion in dogs at different periods of time Med. Radiol. <u>5</u> (11), 49-53 (1960) translated in JPRS 11907, 80-86 NSA <u>15</u> , 10631	60-RYS
RYSINA, T. N., and R. A. Erokhin The distribution and excretion of plutonium in dogs at remote dates after its introduction In: Biological Effects of Radiation and Problems of Radioactive Isotope Distribution (A. V. Lebedinskii and Y. I. Moskalev, eds., Atomizdat, Moscow) 119-127 (1961) translated in AEC-tr-5265, 117- 126 NSA <u>16</u> , 26719	61-RYS

RYSINA, T. N., and R. A. Erokhin 62-RYS
Distribution and excretion of plutonium at remote periods after
administration to dogs

In: Plutonium-239: Its Distribution, Biological Effect and Accelerated
Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow)
12-18 (1962) translated in FTD-TT-63-559, 8-18 NSA 17, 30270

RYSINA, T. N., and I. A. Tseveleva 62-RYS-2
Transmission of plutonium to offspring

In: Plutonium-239: Its Distribution, Biological Effect and
Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev,
eds., Medgiz, Moscow) 41-44 (1962) translated in FTD-TT-63-559,
52-57 NSA 17, 30274

RYSINA, T. N., V. K. Lemberg and I. A. Tseveleva 71-RYS
Biochemical and morphological changes in the lungs of rats
accompanying multiple inhalation of a plutonium citrate aerosol
In: Remote Aftereffects of Radiation Damage (Y. I. Moskaev, ed.,
Atomizdat, Moscow) 333-340 (1971) translated in AEC-tr-7387, 364-
370 PD 7, 2071 EP 5, 189

RYSINA, T. N. See also: 68-TSE, 71-TSE

SACHER, G. See: 46-PAE

SAFRONOV, E. I. 72-SAF
 Radiation Sickness from Internal Irradiation, Izdatel'stvo
 Meditsina Leningradskoe Otdelenie, Leningrad, 136 p. (1972)
 NSA 28, 719

SAGAN, L. A. See: 70-COD

SAKANOUÉ, M., and T. Tsuji 71-SAK
 Plutonium content of soil at Nagasaki
 Nature 234, 92-93 (1971) NSA 26, 6799 PD 6, 212

SAKANOUÉ, M., M. Nakaura, and T. Imai 71-SAK-2
 Determination of plutonium in environmental samples
 In: Rapid Methods for Measuring Radioactivity in the Environment
 (International Atomic Energy Agency, Vienna) 171-181 (1971)
 NSA 26, 27807

SAKANOUÉ, M. See also: 70-INO

SAN PIETRO, A. See: 47-CAR

SANDBERG, G. W., Jr., R. C. Lee, C. A. S. Pegg, F. N. Huffman, and 69-SAG
 J. C. Norman
 Simulated radiation fields from ^{238}Pu -fueled artificial hearts:
 Long-term effects of intracorporeal ^{90}Sr , ^{241}Am , and Be sources
 Surg. Forum 20, 194-196 (1969) NSA 24, 17147

SANDBERG, G. W., Jr., F. A. Molokhia, F. N. Huffman and J. C. Norman 70-SAG
 Implantable nuclear power sources for artificial organs: Preliminary
 pathologic effects
 Surg. Forum 21, 198-200 (1970) EP S2, 383

SANDBERG, G. See also: 69-NOM

SANDERS, C. L. 68-SAN
 Phagocytosis and translocation of $^{239}\text{PuO}_2$ particles by
 peritoneal phagocytes of the rat
 In: Diagnosis and Treatment of Deposited Radionuclides (H. A.
 Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation,
 Amsterdam) 81-90 (1968) NSA 23, 24533

SANDERS, C. L., and R. R. Adee 68-SAN-2
 Phagocytosis of inhaled plutonium oxide- ^{239}Pu particles by
 pulmonary macrophages
 Science 162, 918-920 (1968) NSA 23, 6375

SANDERS, C. L., and R. R. Adee 69-SAN
 The ultrastructure of mononuclear phagocytes following
 intraperitoneal administration of $^{239}\text{PuO}_2$ particles
 J. Reticuloendothel. Soc. 6, 1-23 (1969) NSA 23, 45873

SANDERS, C. L. 69-SAN-2
 The distribution of inhaled $^{239}\text{PuO}_2$ particles within pulmonary
 macrophages
 Arch. Environ. Health 18, 904-912 (1969) NSA 23, 31732

SANDERS, C. L. 69-SAN-3
 The biological behavior of $^{239}\text{PuO}_2$ particles: Role of the
 peritoneal mononuclear phagocyte
 Radiat. Res. 38, 125-139 (1969) NSA 23, 22419

SANDERS, C. L. Maintenance of phagocytic function following $^{239}\text{PuO}_2$ particle administration Health Phys. <u>18</u> , 82-85 (1970) NSA <u>24</u> , 11925	70-SAN
SANDERS, C. L., and W. J. Bair The effect of DTPA and calcium on the translocation of intraperitoneally administered $^{239}\text{PuO}_2$ particles Health Phys. <u>18</u> , 169-173 (1970) NSA <u>24</u> , 16952	70-SAN-2
SANDERS, C. L., Jr., R. C. Thompson and W. J. Bair Lung cancer: Dose response studies with radionuclides In: Inhalation Carcinogenesis (M. G. Hanna, Jr., et al., eds., Doc. CONF-691001) 285-303 (1970) NSA <u>24</u> , 27674	70-SAN-3
SANDERS, C. L., and R. R. Adee Ultrastructural localization of inhaled $^{239}\text{PuO}_2$ particles in alveolar epithelium and macrophages Health Phys. <u>18</u> , 293-295 (1970) NSA <u>25</u> , 34054	70-SAN-5
SANDERS, C. L., R. R. Adee and T. A. Jackson Fine structure of alveolar areas in the lung following inhalation of $^{239}\text{PuO}_2$ particles Arch. Environ. Health <u>22</u> , 525-533 (1971) NSA <u>25</u> , 32539	71-SAN
SANDERS, C. L., and J. F. Park Pulmonary distribution of α dose from $^{239}\text{PuO}_2$ and induction of neoplasia in rats and dogs In: Inhaled Particles III. (W. H. Walton, ed., Unwin Brothers, Old Woking, England) 489-497 (1971) NSA <u>26</u> , 12510	71-SAN-2
SANDERS, C. L. Deposition patterns and the toxicity of transuranium elements in lung Health Phys. <u>22</u> , 607-615 (1972) NSA <u>26</u> , 38771	72-SAN
SANDERS, C. L., and T. A. Jackson Induction of mesotheliomas and sarcomas from hot spots of $^{239}\text{PuO}_2$ activity Health Phys. <u>22</u> , 755-759 (1972) NSA <u>26</u> , 38746	72-SAN-2
SANDERS, C. L. Cocarcinogenesis of $^{239}\text{PuO}_2$ with chrysotile asbestos or benzpyrene in the rat abdominal cavity In: Radionuclide Carcinogenesis (C. L. Sanders, et al., eds., Doc. CONF-720505) 138-153 (1973) NSA <u>28</u> , 18551	73-SAN
SANDERS, C. L., Jr. Toxicology of inhaled ^{238}Pu in rats IRCS Int. Res. Commun. System (73-4) 28-8-2 (1973)	73-SAN-2
SANDERS, C. L., and D. M. Meier Effects of DTPA on excretion and tissue distribution of injected ^{238}Pu in fed and fasting rats Health Phys. <u>25</u> , 405-411 (1973) NSA <u>28</u> , 30342	73-SAN-3
SANDERS, C. L. Carcinogenicity of inhaled ^{238}Pu in the rat Radiat. Res. <u>56</u> , 540-553 (1973) NSA <u>29</u> , 16051	73-SAN-4
SANDERS, C. L. Rat mammary neoplasia following deposition of plutonium Health Phys. <u>27</u> , 592-593 (1974) NSA <u>31</u> , 23058	74-SAN

SANDERS, C. L., and G. E. Dagle 74-SAN-2
 Studies of pulmonary carcinogenesis in rodents following inhalation
 of transuranic compounds
 In: Experimental Lung Cancer. Carcinogenesis and Bioassays (E. Karbe
 and J. F. Park, eds., Springer-Verlag, Berlin) 422-429 (1974)

SANDERS, C. L. 75-SAN
 Effects of PuO₂ particles deposited in the lung following
 intraperitoneal injection
 Health Phys. 28, 84-86 (1975) NSA 31, 23060

SANDERS, C. L., Jr. 75-SAN-2
 Dose distribution and neoplasia in the lung following
 intratracheal instillation of ²³⁹PuO₂ and asbestos
 Health Phys. 28, 383-386 (1975) NSA 32, 3763

SANDERS, C. L. See also: 68-ADE, 72-BAI, 73-BAI, 72-HUF

SANDERS, S. M., Jr. 60-SAM
 Power functions relating excretion to body burdens
 Health Phys. 2, 295-303 (1960) NSA 14, 10706

SANDERS, S. M., Jr. 61-SAM
 Plutonium excretion
 Arch. Environ. Health 2, 474-483 (1961) NSA 15, 15355

SANDERS, S. M., Jr., and M. Brown 68-SAM
 Breath ionization from radionuclides deposited in the lungs
 Health Phys. 14, 431-438 (1968) NSA 22, 51622

SANDERS, S. M., Jr. 74-SAM
 Excretion of ²⁴¹Am and ²⁴⁴Cm following two cases of accidental
 inhalation
 Health Phys. 27, 359-365 (1974) NSA 31, 6371

SANDERS, S. M., Jr. See also: 57-GEI

SANSOM, B. F. 64-SAB
 The transfer of plutonium-239 from the diet of a cow to its milk
 Brit. Vet. J. 120, 158-161 (1964) NSA 18, 29206

SANSOM, J. M. See: 74-BLM

SARYCHEV, V. A. See: 72-KHO

SAUROV, M. M. See: 71-GNE-2

SAXBY, W. N. See: 68-JON

SAYEG, J. A. See: 68-BRO, 69-BUA

SCHAEFFER, R. 71-SCR
 Calculation of the soluble fraction of inhaled bone-seeking element
 compounds in the organism liquids from changes in urinary excretion
 with time (in French)
 In: Contamination by Bone-Seeking Radionuclides and Radioprotection,
 (Societe Francaise de Radioprotection, Montrouge, France) 670-683
 (1971) NSA 26, 25902

SCHAEFFER, R. See: 47-CAR

SCHALLBERGER, J. A. 74-SCA
 Plutonium lymph relationship
 Doc. C00-1787-24, 167 p. (1974) NSA 31, 8972

SHELL, W. R. See: 75-NEA

SCHIAGER, K. J. Alpha-active fallout particles; physical characteristics related to pulmonary exposure Thesis, Univ. of Michigan, Ann Arbor, 123 p. (1964) NSA <u>20</u> , 1602	64-SCJ
SCHIEFERDECKER, H. See: 74-KOE, 73-OHL	
SCHNAP, B. See: 47-CAR	
SCHNEEBELI, G. See: 62-TAG-2	
SCHNEIDER, V. M. See: 71-KIY	
SCHNELL, E. See: 72-CAL	
SCHOFIELD, G. B. Comparisons in the medical management of three cases of plutonium- contaminated wounds In: Handling of Radiation Accidents (International Atomic Energy Agency, Vienna) 163-172 (1969) NSA <u>24</u> , 7940	69-SCG
SCHOFIELD, G. B., and J. C. Lynn A measure of the effectiveness of DTPA chelation therapy in cases of plutonium inhalation and plutonium wounds Health Phys. <u>24</u> , 317-327 (1973) NSA <u>27</u> , 25034	73-SCG
SCHOFIELD, G. B., H. Howells, F. Ward, J. C. Lynn and G. W. Dolphin Assessment and management of a plutonium contaminated wound case Health Phys. <u>26</u> , 541-554 (1974) NSA <u>30</u> , 9996	74-SCG
SCHOFIELD, G. B., and G. W. Dolphin U. K. experience on the medical aspects of radiological protection of workers handling plutonium Ann. Occup. Hyg. <u>17</u> , 73-83 (1974) NSA <u>31</u> , 20084	74-SCG-2
SCHOFIELD, G. B. Health of plutonium workers Lancet <u>2</u> , 1456 (1974) NSA <u>31</u> , 20097	74-SCG-3
SCHOFIELD, G. B. See also: 73-HOE	
SCHUBERT, J. Treatment of plutonium poisoning by metal displacement Science <u>105</u> , 389-390 (1947) BA <u>21</u> , 22252	47-SCH
SCHUBERT, J. An experimental study of the effect of zirconium and sodium citrate treatment on the metabolism of plutonium and radioyttrium J. Lab. Clin. Med. <u>34</u> , 313-325 (1949) NSA <u>1</u> , 1534; <u>2</u> , 1757	49-SCH
SCHUBERT, J., M. P. Finkel, M. R. White and G. M. Hirsch Plutonium and yttrium content of the blood, liver, and skeleton of the rat at different times after intravenous administration J. Biol. Chem. <u>182</u> , 635-642 (1950) NSA <u>3</u> , 1047 BA <u>23</u> , 17671	50-SCH
SCHUBERT, J., and M. R. White The effect of different dose levels of zirconium on the excretion and distribution of plutonium and yttrium J. Biol. Chem. <u>184</u> , 191-196 (1950) NSA <u>4</u> , 4189	50-SCH-2
SCHUBERT, J. Estimating radioelements in exposed individuals. I. Radioelement metabolism Nucleonics <u>8</u> (2), 13-28 (1951) NSA <u>5</u> , 1473	51-SCH

SCHUBERT, J. Estimating radioelements in exposed individuals. II. Radiation dosage and permissible levels Nucleonics <u>8</u> (3), 66-78 (1951) NSA <u>5</u> , 3002	51-SCH-2
SCHUBERT, J. Estimating radioelements in exposed individuals. III. Bioassay operations and procedures Nucleonics <u>8</u> (4), 59-67 (1951) NSA <u>5</u> , 3311	51-SCH-3
SCHUBERT, J. Removal of radioelements from the mammalian body Ann. Rev. Nuclear Sci. <u>5</u> , 369-412 (1955) NSA <u>10</u> , 7444	55-SCH
SCHUBERT, J. Approaches to treatment of poisoning by both radioactive and nonradioactive elements encountered in atomic energy operations Proc. Int. Conf. Peaceful Uses At. Energy <u>13</u> , 274-296 (1956)	56-SCH
SCHUBERT, J., and A. Lindenbaum The mechanism of action of chelating agents on metallic elements in the intact animal In: Metal Binding in Medicine (M. J. Seven, ed., J. B. Lippincott, Philadelphia) 68-74 (1960) EP <u>S2</u> , 283	60-SCH
SCHUBERT, J. Radioelement removal by chelating agents: Application of mass action laws and other factors Fed. Proc. <u>20</u> , suppl. 10, 219-221 (1961) NSA <u>16</u> , 31455	61-SCH
SCHUBERT, J., J. F. Fried, M. W. Rosenthal and A. Lindenbaum Tissue distribution of monomeric and polymeric plutonium as modified by a chelating agent Radiat. Res. <u>15</u> , 220-226 (1961) NSA <u>16</u> , 26709	61-SCH-2
SCHUBERT, J. Internal contamination and its treatment In: Proceedings of the 9th International Congress of Radiology (B. Rajewsky, ed., Georg Thieme Verlag, Stuttgart, Germany) 1251-1257 (1961) EP <u>S3</u> , 223	61-SCH-3
SCHUBERT, J. Radioelement metabolism and decorporation as influenced by chelation and mixed ligand complexes: Rapid experimental and calculative approaches to predict in vivo behavior In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 355-375 (1972) NSA <u>26</u> , 41302	72-SCH
SCHUBERT, J. See also: 59-FRI, 60-LIN, 57-ROS, 62-ROS, 52-WHI	
SCHUETTELKOPF, H. Environmental surveillance for plutonium at the Karlsruhe Nuclear Research Center from 1969 until 1973 In: Environmental Surveillance Around Nuclear Installations. Vol. II. (International Atomic Energy Agency, Vienna) 327-344 (1974) NSA <u>31</u> , 14043	74-SCU
SCHULTE, H. F., and D. D. Meyer Control of health hazards in handling of plutonium: Results of 14 years' experience In: Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy, Vol. 23. Experience in Radiological Protection (United Nations, Geneva) 206-210 (1958) NSA <u>12</u> , 14722	58-SCF

SCHULTE, H. F., and H. O. Whipple 68-SCF
 Chelating agents in plutonium deposition - a minority view
 In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 587-592 (1968) NSA 23, 24657

SCHULTE, H. F. See also: 72-CAM, 73-CAM, 61-MOW, 69-MOW

SCHWARTZ, S. See: 45-RUE

SCHWENDIMAN, L. C., and J. W. Healy 58-SCL
 A sensitive analytical method for the determination of very low level plutonium in humans
 In: Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy, Vol. 23. Experience in Radiological Protection (United Nations, Geneva) 144-146 (1958) NSA 12, 14616

SCHWENDIMAN, L. C., J. Mishima and C. A. Radasch 68-SCL
 Airborne release of particles in overheating incidents involving plutonium metal and compounds
 In: Treatment of Airborne Radioactive Wastes (International Atomic Energy Agency, Vienna) 117-131 (1968) NSA 23, 29020

SCHWENDIMAN, L. C. See also: 71-MIS, 73-SEL

SCOTNIKOVA, O. G. See: 70-LEI

SCOTT, K. G., et al. 46-SCK
 Studies on the inhalation of fissionable materials and fission products and their subsequent fate in rats and man
 Doc. MDDC-1276 (CH-3590), 168 p. (1946) ADD 1, 1276

SCOTT, K. G., H. Fisher, D. Axelrod, J. Crowley, A. J. Barber and J. G. Hamilton 46-SCK-2
 Metabolism of plutonium in rats
 Doc. MDDC-1018, 27 p. (1946) EP S3, 224 ADD 1, 1018

SCOTT, K. G., D. J. Axelrod, H. Fisher, J. F. Crowley and J. G. Hamilton 48-SCK
 The metabolism of plutonium in rats following intramuscular injection
 J. Biol. Chem. 176, 283-293 (1948) BA 23, 10188

SCOTT, K. G., D. H. Copp, D. J. Axelrod and J. G. Hamilton 48-SCK-2
 The metabolism of americium in the rat
 J. Biol. Chem. 175, 691-703 (1948) NSA 1, 1389

SCOTT, K. G., D. J. Axelrod, J. F. Crowley and J. G. Hamilton 49-SCK
 Deposition and fate of plutonium, uranium and their fission products inhaled as aerosols by rats and man
 Arch. Path. 48, 31-54 (1949) NSA 3, 1178

SCOTT, K. G., D. J. Axelrod and J. G. Hamilton 49-SCK-2
 The metabolism of curium in the rat
 J. Biol. Chem. 177, 325-335 (1949) BA 23, 14386

SCOTT, K. G. 52-SCK
 Versene Pu complexing studies
 In: Doc. AECD-3448, 5 (1952)

SCOTT, K. G. See also: 46-CRJ, 53-HAM-2, 46-LAH, 43-OVE

SCUDDER, B. C. See: 56-NOR

SEABORG, G. T. 73-SEG
 Medical uses: Americium-241; californium-252
 In: Uranium-Plutonium-Tranplutonic Elements (H. C. Hodge, J. N. Stannard and J. B. Hursh, eds., Springer-Verlag, New York) 929-940 (1973) PD 8, 129T

SEARGILL, D. See: 68-RUN

SEDLER, J. See: 74-RUN

SEIBERT, H. C. See: 46-ABR, 47-ABR

SEIDEL, A., V. Volf and A. Catsch 71-SEI
 Effectiveness of Zn-DTPA in removal of plutonium from rats
 Int. J. Radiat. Biol. 19, 399-400 (1971) NSA 25, 46809

SEIDEL, A., and V. Volf 72-SEI
 Removal of internally deposited transuranium elements by Zn-DTPA
 Health Phys. 22, 779-783 (1972) NSA 26, 38791

SEIDEL, A. 72-SEI-2
 Distribution of ^{239}Pu related to different methods of preparation of a citrate injection solution
 Int. J. Appl. Radiat. Isotopes 23, 195-196 (1972) EP 5, 196

SEIDEL, A., and V. Volf 72-SEI-3
 Effect of diethylenetriaminepentaacetate on the ^{241}Am content of different bones of rats (in German)
 Naturwissenschaften 59, 652 (1972) NSA 27, 20171

SEIDEL, A. 73-SEI
 Retention of ^{241}Am by some endocrine organs of the rat and its response to DTPA treatment
 Int. J. Radiat. Biol. 23, 415-416 (1973) NSA 28, 8513

SEIDEL, A. 73-SEI-2
 Distribution of ^{241}Am in the rat as influenced by dose and the pH of the injection solution
 Int. J. Appl. Radiat. Isotop. 362-363 (1973) NSA 28, 8522

SEIDEL, A. 73-SEI-3
 Comparison of the effectiveness of CaDTPA and ZnDTPA in removing ^{241}Am from the rat
 Radiat. Res. 54, 304-315 (1973) NSA 28, 8516

SEIDEL, A. 73-SEI-4
 A multivariate analysis of Ca-DTPA effectiveness in removing ^{241}Am from the rat
 Z. Naturforsch. 28, 316-318 (1973) NSA 29, 815

SEIDEL, A. 74-SEI
 Removal by DTPA of internally deposited ^{241}Am : A comparative study on rats and Syrian hamsters
 Int. J. Nucl. Med. Biol. 1, 197-200 (1974) NSA 30, 29822

SEIDEL, A. 75-SEI
 Removal from the rat of internally deposited ^{241}Am by long-term treatment with Ca- and Zn-DTPA
 Radiat. Res. 61, 478-487 (1975) NSA 31, 29976

SEIDEL, A. 75-SEI-2
 Retention of ^{241}Am in the rat and the Syrian hamster (in German)
 Strahlentherapie 149, 442-449 (1975) NSA 32, 20019

SEIDEL, A. See also: 72-VOL, 74-VOL-3

SEIGNEUR, L. J. See: 62-BUS, 58-CLA

SELBY, J. M., E. C. Watson, J. P. Corley, D. A. Waite, L. A. Carter, J. G. Droppo, R. G. Clark, C. L. Brown, L. D. Williams, R. J. Hall, L. C. Schwendiman, J. Mishima, R. K. Woodruff, T. I. McSweeney and J. B. Burnham 73-SEL

Considerations in the assessment of the consequences of effluents from mixed oxide fuel fabrication plants
Doc. BNWL-1697, 159 p. (1973) NSA 28, 12856

SELBY, J. M. See also: 68-HEI

SELDERS, A. A. See: 55-RED

SEMENOV, A. I. 71-SEA
Biological effects of ^{244}Cm
Radiobiologiya 11, 134-137 (1971) translated in AEC-tr-7233,
203-207 NSA 25, 44905

SEMENOV, A. I. 71-SEA-2
Distribution of ^{244}Cm in the rat organism after intratracheal introduction (Abstract)
Radiobiologiya 11, 476 (1971) translated in AEC-tr-7303, 222
PD 6, 603T

SEMENOV, A. I. 71-SEA-3
Kinetics of the exchange of ^{244}Cm (Abstract)
Radiobiologiya 11, 155 (1971) translated in AEC-tr-7233, 237-238

SEMENOV, A. I. 72-SEA
Distribution of curium 244 in the rat organism
In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskalev and V. S. Kalistratova, eds., Meditsina, Moscow) 302-305 (1972) translated in AEC-tr-7457, 441-445
NSA 30, 10018

SEMENOV, A. I., Y. I. Moskalev and G. A. Zalikin 73-SEA
Influence of age on the absorption of ^{244}Cm from the rat gastrointestinal tract (Abstract)
Radiobiologiya 13, 155 (1973) translated in AEC-tr-7430
PD 7, 995T

SEMENOV, A. I., R. M. Lyubimova-Gerasimova and G. A. Zalikin 74-SEA
Biological effects of curium-244 in the case of intratracheal introduction
Radiobiologiya 14, 142-144 (1974) translated in AEC-tr-7548,
181-184 NSA 30, 13012

SEMENOV, A. I. See also: 72-MOS-2, 74-MOS-2, 74-MOS-4, 74-ZAL

SEMENOV, D. I., and I. P. Tregubenko 58-SED
The action of chelating compounds on tissue storage and excretion from the living organism of radioyttrium, radiocerium and plutonium
Biokhimiya 23, 59-65 (1958) translated by Consultants Bureau, 55-60
NSA 13, 1903

SEMENOV, D. I. See also: 60-TRE, 66-TRE-4

SEVASTYANOVA, Y. P. See: 72-KHA-2, 74-KHA

SEVC, J. 69-SEV
Mechanism of the simultaneous effects of ionizing radiation and fibroplastic dust (in Czech)
Prac. Lek. 21(Mar), 49-55 (1969) NSA 23, 35640

SHABESTARI, L. See: 69-TAG, 72-TAG, 72-TAG-2, 72-TAG-3, 74-TAG

SHALAK, N. I. See: 70-SMO, 68-TAR

SHAMOV, V. P. See: 70-BAI-5, 73-DOE, 74-DOE, 74-ERS

SHANAHAN, M. M. See: 72-EVA

SHANNON, L. V. See: 74-CHD

SHAPLEY, D. 71-SHA
 Plutonium: Reactor proliferation threatens a nuclear black market
 Science 172, 143-146 (1971) NSA 25, 37565

SHAPLEY, D. 71-SHA-2
 Radioactive cargoes: Record good but the problems will multiply
 Science 172, 1318-1322 (1971) NSA 26, 308

SHAPLEY, D. 71-SHA-3
 Rocky Flats: Credibility gap widens on plutonium plant safety
 Science 174, 569-571 (1971) PD 6, 866

SHEA, D. W. See: 70-MAC

SHEARIN, R. L., and C. R. Phillips 71-SHE
 Contingency response for rapid evaluation of radiological pollution
 from a space vehicle launch accident
 In: Rapid Methods for Measurement of Radioactivity in the Environment
 (International Atomic Energy Agency, Vienna) 757 (1971) EP 460

SHEEHAN, W. E. See: 70-ANH

SHEKHANOVA, I. A. See: 71-PAT

SHEPPARD, J. C. See: 72-CRO

SHERWOOD, R. J. See: 63-LIB

SHIBA, O. V. See: 69-KAP

SHINN, J. H. See: 74-ANS

SHIPMAN, T. L. 61-SHT
 Acute radiation death resulting from an accidental nuclear
 critical excursion
 J. Occup. Med. 3, 147-192 (1961) EP 471

SHIPMAN, T. L. See also: 66-LAN

SHIROTANI, T., and M. Fujita 72-SHI
 Estimation of effective tissue thickness in the assessment of ^{239}Pu
 in the lung
 J. Nucl. Sci. Technol. (Tokyo) 9, 165-171 (1972) NSA 26, 28517

SHIROTANI, T., and M. Fujita 73-SHI
 A method of determination of correction factors for different body
 builds in the assessment of ^{239}Pu in lung
 J. Nucl. Sci. Technol. (Tokyo) 10, 301-308 (1973) NSA 29, 801

SHIROTANI, T. 73-SHI-2
 Empirical formula for estimating effective tissue thickness in the
 assessment of plutonium in lung
 J. Nucl. Sci. Technol. (Tokyo) 10, 647-649 (1973) NSA 29, 27131
 PD 8, 1478

SHLEIEN, B., and P. J. Magno Plutonium concentrations in ground level air and changes in plutonium-238 to plutonium-239 ratios Radiol. Health Data Rep. <u>8</u> , 561-562 (1967)	67-SHL
SHLEIEN, B., M. A. Wall and D. Lutz Estimation of radiation doses to the respiratory tract from inhalation of airborne radioactivity Environ. Sci. Technol. <u>2</u> , 438-443 (1968) NSA <u>22</u> , 33821	68-SHL
SHLEIEN, B., J. A. Cochran and P. J. Magno Strontium and plutonium isotopes in ground level air Radiol. Health Data Rep. <u>11</u> , 129-134 (1970) NSA <u>24</u> , 33796	70-SHL
SHLEIEN, B., J. A. Cochran and P. J. Magno ⁹⁰ Sr, ⁸⁹ Sr, ²³⁹ Pu, and ²³⁸ Pu concentrations in ground-level air, 1964-1969 Environ. Sci. Technol. <u>4</u> , 598-602 (1970) NSA <u>24</u> , 33799	70-SHL-2
SHLEIEN, B. An evaluation of internal radiation exposure based on dose commitments from radionuclides in milk, food, and air Health Phys. <u>18</u> , 267-275 (1970) NSA <u>24</u> , 34340	70-SHL-3
SHLEIEN, B. See also: 67-MAG	
SHREVE, J. D., Jr. Operation plumbbob. Summary report, test group 57. Preliminary report Doc. ITR-1515, 143 p. (1958) NSA <u>13</u> , 11722	58-SHR
SHUBIK, V. M., A. V. Fedorova and V. V. Borisova Early changes in certain immunological indices in the case of ²³⁹ Pu lesion of experimental animals Radiobiologiya <u>13</u> , 119-123 (1973) translated in AEC-tr-7430, 161-166 NSA <u>28</u> , 18546	73-SHU
SHUBIK, V. M. See also: 74-NEM	
SHVYDKO, N. S. Kinetics of metabolism of ²³⁹ Pu in the liver (in Russian) Med. Radiol. <u>19</u> (10), 71-72 (1974) NSA <u>31</u> , 910	74-SHV
SIKOV, M. R., and D. D. Mahlum Cross-placental transfer of selected actinides in the rat Health Phys. <u>14</u> , 205-208 (1968) NSA <u>22</u> , 30948	68-SIK
SIKOV, M. R., D. D. Mahlum, T. D. Mahony and M. F. Sullivan Particle size and animal age as factors in evaluating hazards from ingested radionuclides In: Gastrointestinal Radiation Injury (M. F. Sullivan, ed., Excerpta Medica Foundation, Amsterdam) 524-535 (1968) NSA <u>21</u> , 28586; <u>22</u> , 49331	68-SIK-2
SIKOV, M. R., and D. D. Mahlum Plutonium in the developing animal Health Phys. <u>22</u> , 707-712 (1972) NSA <u>26</u> , 38785	72-SIK
SIKOV, M. R., and D. D. Mahlum Age-dependence of ²³⁹ Pu metabolism and effect in the rat In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 261-272 (1972) NSA <u>26</u> , 41298	72-SIK-2
SIKOV, M. R. See also: 72-HUF, 72-KAS, 69-MAH, 69-MAH-2, 74-MAH	
SILBERSTEIN, H. E. See: 50-BOY	

SILKER, W. B. See: 60-WIH

SILL, C. W. 71-SIL
 Use of plutonium-236 tracer and propagation of error
 In: Proceedings of Environmental Plutonium Symposium (E. B. Fowler,
 et al., eds., Doc. LA-4756) 51-53 (1971)

SIMAKOV, A. V. See: 74-KHO

SIMMONS, E. L. See: 46-ABR, 46-FID, 46-JAO

SIMON-VERMOT, A. See: 70-KUN-2

SISSONS, H. A. See: 73-THU

SITKO, R. Y. See: 72-KHO, 74-KHO

SKUPINSKI, W. See: 74-LAF-2, 73-MOR-3, 72-NEO-2

SKYTTE-JENSEN, B. See: 70-GJO

SLOBODIEN, M. J., A. Brodsky, C. H. Ke and I. Horm 73-SLO
 Removal of zinc from humans by DTPA chelation therapy
 Health Phys. 24, 327-330 (1973)

SMITH, C. C. See: 62-CHR

SMITH, C. L. D. See: 64-FAB, 73-FAB

SMITH, H., T. H. Bates, B. Dymond and I. V. Chapman 64-SMH
 The effect of DTPA treatment after administration to rats of
²³⁹Pu (VI) in nitric acid
 Int. J. Radiat. Biol. 8, 191-193 (1964) NSA 19, 5614

SMITH, H., and T. H. Bates 65-SMH
 Removal of radionuclides from the body
 Nature 207, 799-804 (1965) NSA 19, 43700

SMITH, H., I. V. Chapman and C. G. Marlow 69-SMH
 Efficiency of low level DTPA therapy in removing plutonium from mice
 Nature 222, 676 (1969) NSA 24, 695

SMITH, H., and I. V. Chapman 69-SMH-2
 Use of citrate in mobilizing plutonium in rat
 Nature 223, 642-643 (1969) NSA 24, 581

SMITH, H. 75-SMH
 The use and limitations of DTPA to remove plutonium
 Radiol. Prot. Bull. 11, 15-16 (1975) NSA 32, 9222

SMITH, R. C. See: 64-PIL

SMITH, V. H. 58-SMV
 Removal of internally deposited plutonium
 Nature 181, 1792-1793 (1958) NSA 12, 12206

SMITH, V. H., J. E. Ballou, W. J. Clarke and R. C. Thompson 61-SMV
 Effectiveness of DTPA in removing plutonium from the pig
 Proc. Soc. Exptl. Biol. Med. 107, 120-123 (1961) NSA 15, 23266

SMITH, V. H. 64-SMV
 Prevention of plutonium deposition by desferrioxamine-B
 Nature 204, 899-900 (1964) NSA 19, 21839

SMITH, V. H. Interactions in the metabolism of ^{239}Pu and ^{239}Np In: Doc. HW-80500, 73-75 (1964) NSA <u>18</u> , 41030	64-SMV-2
SMITH, V. H., H. A. Ragan, B. J. McClanahan, J. L. Beamer and J. L. Palotay The passage time of plutonium oxide in pigs In: Gastrointestinal Radiation Injury (M. F. Sullivan, ed., Excerpta Medica Foundation, Amsterdam) 518-523 (1968) NSA <u>21</u> , 6399	68-SMV
SMITH, V. H. Therapeutic removal of internally deposited transuranium elements Health Phys. <u>22</u> , 765-778 (1972) NSA <u>26</u> , 38790	72-SMV
SMITH, V. H. Metal-DTPA chelates in biological systems: A bibliography Doc. BNWL-1657, 52 p. (1972) NSA <u>26</u> , 48287	72-SMV-2
SMITH, V. H. Biological disposition of $\text{Es}(\text{NO}_3)_3$ in rats after intravenous, intramuscular and subcutaneous administration In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder, ed., Doc. CONF-730901-P1) Vol. 1, 725-730 (1974) NSA <u>30</u> , 27264	74-SMV
SMITH, V. H. See also: 69-BAI, 72-HUF, 74-PAR	
SMOLER, M. See: 68-LIN, 68-LIN-2, 69-LIN-2, 68-ROS-2	
SMORODINTSEVA, G. I., S. I. Tarasov, A. F. Oreshina, N. I. Shalak and V. Z. Yaskova Study of the uptake of air-borne ^{239}Pu by the human organism Translation of report A-AC-82/G/L-1301, in AEC-tr-7128, 235-245 (1970) NSA <u>24</u> , 12064	70-SMO
SMORODINTSEVA, G. I. See also: 68-TAR	
SNIDER, R. S. The skin In: Histopathology of Irradiation from External and Internal Sources (W. Bloom, ed., McGraw Hill, New York) 32-69 (1948)	48-SNI
SNYDER, R. H., W. Kisielleski, B. Lawrence and R. D. Finkle Part 3. The metabolism of injected plutonium In: The Toxicity and Metabolism of Plutonium in Laboratory Animals (R. D. Finkle et al., eds., Doc. MDDC-1140) (1946) EP <u>S2</u> , 7	46-SNR
SNYDER, R. H., W. Kisielseki and R. D. Finkle Part 4. The survival and growth of plutonium-injected animals In: The Toxicity and Metabolism of Plutonium in Laboratory Animals (R. D. Finkle, et al., eds., Doc. MDDC-1140) (1946) EP <u>S2</u> , 10	46-SNR-2
SNYDER, R. H., B. Lawrence and R. D. Finkle Part 5. The effect of ingested plutonium In: The Toxicity and Metabolism of Plutonium in Laboratory Animals (R. D. Finkle, et al., eds., Doc. MDDC-1140) (1946) EP <u>S2</u> , 11	46-SNR-3
SYNDER, R. H. See also: 46-FID	
SNYDER, W. S. Major sources of error in interpreting urinalysis data to estimate the body burden of Pu^{239} . A preliminary study. Health Phys. <u>8</u> , 767-772 (1962) NSA <u>17</u> , 10340	62-SNY

SNYDER, W. S. The distribution of ^{239}Pu in the body following exposure by inhalation Health Phys. <u>10</u> , 1035-1041 (1964) NSA <u>19</u> , 3854	64-SNY
SNYDER, W. S. On the estimation of a systemic body burden of plutonium In: Assessment of Radioactivity in Man, Vol. 2 (International Atomic Energy Agency, Vienna) 583-588 (1964) BA <u>46</u> , 105997	64-SNY-2
SNYDER, W. S., M. R. Ford and G. G. Warner The use of excretion data to predict the systemic body burden of plutonium In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 279-290 (1968) NSA <u>23</u> , 24641	68-SNY
SNYDER, W. S. A method of interpreting excretion data which allows for statistical fluctuation of the data In: Assessment of Radioactive Contamination in Man (International Atomic Energy Agency, Vienna) 485-494 (1972) NSA <u>26</u> , 56534	72-SNY
SNYDER, W. S., M. R. Ford, J. R. Muir and G. G. Warner Fluctuations of daily excretion of plutonium and their interpretation for estimation of the body burden In: Health Physics Operational Monitoring, Vol. 1 (C. A. Willis, ed., Gordon and Breach, New York) 711-722 (1972) NSA <u>29</u> , 29855	72-SNY-2
SNYDER, W. S. See also: 72-FIS	
SOBOLEV, S. G., and V. K. Lemberg Toxic effect of neptunium 237 on rat hepatocytes In: Biological Effects of Radiation from External and Internal Sources (Y. I. Moskaev and V. S. Kalistratova, eds., Meditsina, Moscow) 236-241 (1972) translated in AEC-tr-7457, 352-358 NSA <u>30</u> , 9966	72-SOB
SOLDAT, J. K., D. A. Baker and J. P. Corley Applications of a general computational model for composite environmental radiation doses In: Environmental Behavior of Radionuclides (International Atomic Energy Agency, Vienna) NSA <u>28</u> , 8132	73-SOL
SORENSEN, E. See: 70-GJO	
SOULE, H. F. Radiation standards and radioactive waste In: Health Physics Aspects of Nuclear Facility Siting. Vol. 3 (P. G. Voilleque, ed., Idaho Falls, Idaho) 656-666 (1971) NSA <u>25</u> , 55253 PD <u>7</u> , 733	71-SOU
SOWBY, F. D., and D. M. Taylor Removal of internally deposited americium by chelating agents Nature <u>187</u> , 612 (1960) NSA <u>14</u> , 21588	60-SOW
SOWBY, F. D. See also: 65-BEN, 61-TAY, 62-TAY	
SPEIGHT, R. G., C. O. Peabody and D. Ramsden An improved chest phantom for studies of plutonium and americium in human lungs In Assessment of Radioactivity in Man, Vol. 1 (International Atomic Energy Agency, Vienna) 115-130 (1964) NSA <u>19</u> , 30473	64-SPE
SPEIGHT, R. G. See also: 68-RAM	

SPENCER, H. See: 62-STE

SPIERS, F. W. 68-SPI
Radioisotopes in the Human Body: Physical and Biological Aspects,
Academic Press, New York, 359 p. (1968) NSA 23, 7953

SPIERS, F. W. 71-SPI
Biophysical basis for radiation hematology
In: Manual on Radiation Hematology (International Atomic Energy
Agency, Vienna) 45-69 (1971) NSA 25, 44805

SPITSYN, V. I. See: 74-GRO, 74-GRO-2, 74-GRO-3

SPRITZER, A. A. See: 69-BUA

STANNARD, J. N. 73-STJ
Toxicology of radionuclides
Annu. Rev. Pharmacol. 13, 325-357 (1973) NSA 28, 24878

STANNARD, J. N. 73-STJ-2
Biomedical aspects of plutonium (discovery, development, projections)
In: Uranium-Plutonium-Transplutonic Elements (H. C. Hodge, J. N.
Stannard and J. B. Hursh, eds., Springer-Verlag, New York) 309-322
(1973) PD 8, 1019 EP S3, 476

STANNARD, J. N. 73-STJ-3
Plutonium in the environment
In: Uranium-Plutonium-Transplutonic Elements (H. C. Hodge, J. N.
Stannard and J. B. Hursh, eds., Springer-Verlag, New York)
669-688 (1973) PD 8, 1038

STANNARD, J. N. 74-STJ
Standards for the transuranic elements (part of AEC presentation
at EPA Plutonium Standards Hearings, December 10-11, 1974)
In: Doc. WASH-1359, 291-305 (1974) NSA 31, 18668

STANNARD, J. N. See also: 73-HOC, 60-WIR

STARA, J. F., N. S. Nelson, R. J. Della Rosa and L. K. Bustad 71-STA
Comparative metabolism of radionuclides in mammals - a review
Health Phys. 20, 113-137 (1971) NSA 25, 32326

STATHER, J. W., and S. Howden 75-STH
Effect of chemical form on the clearance of 239-plutonium from
the respiratory system of the rat
Health Phys. 28, 29-39 (1975) NSA 31, 23081

STATHER, J. W., S. Howden and R. F. Carter 75-STH-2
Method for investigating the metabolism of the transportable
fraction of plutonium aerosols
Phys. Med. Biol. 20, 106-124 (1975) NSA 31, 23076

STEIN, P. C. See: 69-CAM

STEPANOV, V. S. See: 72-MOS-2, 72-ZAL-2

STEVENS, E., B. Rosoff, M. Weiner and H. Spencer 62-STE
Metabolism of the chelating agent diethylenetriamine pentaacetic
acid (C¹⁴DTPA) in man
Proc. Soc. Exptl. Biol. Med. 111, 235-238 (1962) NSA 17, 1223

STEVENS, W., and D. L. Berliner 64-STW
Serum transaminase levels in beagle dogs burdened with ²³⁹Pu
Radiat. Res. 23, 420-429 (1964) NSA 18, 29241

STEVENS, W., J. W. Bruenger and B. J. Stover In vitro studies of the interactions of Pu IV with blood proteins Radiat. Res. <u>26</u> , 114-123 (1965) NSA <u>19</u> , 43705	65-STW
STEVENS, W., C. J. Nabors, Jr. and D. L. Berliner A comparison of serum transaminase levels and other serum constituents in dogs burdened with ^{239}Pu , ^{238}Th , ^{228}Ra , and ^{226}Ra Ann. N. Y. Acad. Sci. <u>145</u> , 817-829 (1967) NSA <u>23</u> , 26886	67-STW
STEVENS, W., J. W. Bruenger and B. J. Stover In vivo studies on the interactions of Pu (IV) with blood constituents Radiat. Res. <u>33</u> , 490-500 (1968) NSA <u>22</u> , 36204	68-STW
STEVENS, W., B. J. Stover, F. W. Bruenger and G. N. Taylor Some observations on the deposition of ^{241}Am in the thyroid gland of the beagle Radiat. Res. <u>39</u> , 201-206 (1969) NSA <u>23</u> , 35615	69-STW
STEVENS, W., and F. W. Bruenger Interaction of ^{249}Cf and ^{252}Cf with constituents of dog and human blood Health Phys. <u>22</u> , 679-683 (1972) NSA <u>26</u> , 38781	72-STW
STEVENS, W., B. J. Stover, D. R. Atherton and F. W. Bruenger Distribution and excretion of three chemical species of $^{239}\text{Pu(IV)}$ in the beagle Health Phys. <u>28</u> , 387-394 (1975) NSA <u>32</u> , 3828	75-STW
STEVENS, W. See also: 69-BED, 69-BRU, 69-BRU-2, 71-BRU, 72-BRU, 72-NAB, 68-STB-2, 70-STB, 72-STB-2	
STEWART, K. The particulate material formed by the oxidation of plutonium Progr. Nucl. Energy, Ser. IV, <u>5</u> , 535-579 (1963) NSA <u>18</u> , 8565	63-STK
STEWART, K., D. M. C. Thomas, J. L. Terry and R. H. Wilson A preliminary evaluation of the biological measurements on operation roller coaster Doc. AWRE-0-29/65, 33 p. (1965) NSA <u>19</u> , 36697	65-STK
STEWART, K. Principal characteristics of radioactive contaminants which may appear in the atmosphere Prog. Nucl. Energy, Ser. XII, <u>2</u> , 321-360 (1969) PD <u>4</u> , 1692	69-STK
STEWART, K., and R. H. Wilson Final evaluation of the biological measurements on Operation Roller Coaster (joint U.S./U.K. field experiments) Doc. AWRE-0-76/67, 46 p. (1969) EP <u>S3</u> , 220	69-STK-2
STEWART, K. See also: 71-CAF	
STONE, R. S. Health protection activities of the plutonium project Proc. Amer. Philosoph. Soc. <u>90</u> , 11-19 (1946) BA <u>22</u> , 12005	45-STR
STONE, R. S. Industrial Medicine on the Plutonium Project, McGraw-Hill, New York, 511 p. (1951) EP 548	51-STR
STONE, R. S. See also: 70-RIC	
STORR, M. C. See: 73-DUA, 73-HOG, 74-HOG	

STOVER, B. J. Metabolism of radioactive isotopes which deposit mainly in the skeleton Health Phys. <u>1</u> , 373-378 (1959) NSA <u>13</u> , 11570	59-STB
STOVER, B. J., D. R. Atherton and N. Keller Metabolism of Pu ²³⁹ in adult beagle dogs Radiat. Res. <u>10</u> , 130-147 (1959) NSA <u>13</u> , 9641	59-STB-2
STOVER, B. J., D. R. Atherton and C. W. Mays Studies of the retention and distribution of Ra ²²⁶ , Pu ²³⁹ , Ra ²²⁸ (MsTh ₁), Th ²²⁸ (RdTh), and Sr ⁹⁰ in adult beagles In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al., eds., Pergamon Press, New York) 7-25 (1962) NSA <u>17</u> , 19884	62-STB
STOVER, B. J., D. R. Atherton, F. W. Bruenger and D. S. Buster Further studies of the metabolism of Pu ²³⁹ in adult beagles Health Phys. <u>8</u> , 589-597 (1962) NSA <u>17</u> , 10319	62-STB-2
STOVER, B. J., and W. S. S. Jee Some effects of long-term alpha irradiation on the composition and structure of bone Health Phys. <u>9</u> , 267-275 (1963) NSA <u>17</u> , 24929	63-STB
STOVER, B. J., D. R. Atherton, F. W. Bruenger and D. S. Buster ²³⁹ Pu in liver, spleen, and kidneys of the beagle Health Phys. <u>14</u> , 193-197 (1968) NSA <u>22</u> , 28336	68-STB
STOVER, B. J., F. W. Bruenger and W. Stevens Reaction of Pu(IV) with the iron transport system in human blood serum Radiat. Res. <u>33</u> , 381-394 (1968) NSA <u>22</u> , 21416	68-STB-2
STOVER, B. J., D. R. Atherton, F. W. Bruenger and D. S. Buster Pu-239(IV) - Its distribution in the beagle In: Delayed Effects of Bone-Seeking Radionuclides (C. W. Mays, et al., eds., Univ. of Utah Press, Salt Lake City) 109-123 (1969) NSA <u>23</u> , 38423	69-STB
STOVER, B. J., F. W. Bruenger and W. Stevens Association of americium with ferritin in the canine liver Radiat. Res. <u>43</u> , 173-186 (1970) NSA <u>24</u> , 48445	70-STB
STOVER, B. J., and H. Eyring The dynamics of life. I. Death from internal irradiation by ²³⁹ Pu and ²²⁶ Ra, aging, cancer, and other diseases Proc. Nat. Acad. Sci. U.S. <u>66</u> , 132-139 (1970) NSA <u>24</u> , 32204	70-STB-2
STOVER, B. J., D. R. Atherton and D. S. Buster Protracted hepatic, splenic and renal retention of ²³⁹ Pu in the beagle Health Phys. <u>20</u> , 369-374 (1971) NSA <u>25</u> , 29451	71-STB
STOVER, B. J., and W. S. S. Jee (eds.) Radiobiology of Plutonium, J. W. Press, Salt Lake City, 583 p. (1972) NSA <u>26</u> , 41253	72-STB
STOVER, B. J., W. Stevens and F. W. Bruenger Chemical associations of ²³⁹ Pu(IV) and ²⁴¹ Am(III) in blood, liver, and thyroid In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 129-140 (1972) NSA <u>26</u> , 41293	72-STB-2

STOVER, B. J., D. R. Atherton and D. S. Buster 72-STB-3
Retention of $^{239}\text{Pu}(\text{IV})$ in the beagle
In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds.,
J. W. Press, Salt Lake City) 149-169 (1972) NSA 26, 41294

STOVER, B. J., H. Eyring and D. R. Atherton 72-STB-4
Effects of ^{239}Pu and related radionuclides on survival of the
adult beagles
In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds.,
J. W. Press, Salt Lake City) 385-407 (1972) NSA 26, 41262

STOVER, B. J. 72-STB-5
Life shortening consequent to internal irradiation from ^{239}Pu
Health Phys. 22, 823-827 (1972) NSA 26, 38748

STOVER, B. J., and C. N. Stover, Jr. 72-STB-6
The Laboratory of Radiobiology at the University of Utah
In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee,
eds., J. W. Press, Salt Lake City) 29-46 (1972)

STOVER, B. J., and D. R. Atherton 74-STB
Kinetics of the skeletal retention of $^{239}\text{Pu}(\text{IV})$
Radiat. Res. 60, 525-535 (1974) NSA 31, 8985

STOVER, B. J. See also: 69-BRU, 69-BRU-2, 71-BRU, 62-COH, 62-DOT,
62-JEW, 69-MAY, 62-REH, 65-STW, 68-STW, 69-STW, 75-STW

STOVER, C. N., Jr. See: 72-STB-6

STRELTSOVA, V. N., and Y. I. Moskaev 57-STV
Radioactive isotopes as cancerogenic agents
Med. Radiol. 2(5), 39-51 (1957) translated in JPRS 210, 35-52
NSA 12, 3490

STRELTSOVA, V. N. 61-STV
Comparative morphology of chronic radioisotope injury
In: Distribution, Biological Effects, and Migration of Radioactive
Isotopes (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow)
269-283 (1961) translated in AEC-tr-7512, 317-331 NSA 30, 7132

STRELTSOVA, V. N. 62-STV
Pathological anatomy of ^{239}Pu sickness
In: Plutonium-239: Its Distribution, Biological Effect and Accelerated
Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow)
115-128 (1962) translated in FTD-TT-63-559, 173-193; also JPRS-16900,
23-47 NSA 17, 12103 EP S3, 502

STRELTSOVA, V. N., and Y. I. Moskaev 64-STV
Blastomogenic Action of Ionizing Radiation, Meditsina, Moscow,
383 p. (1964) translated in AEC-tr-7595 NSA 31, 16777, 16778,
16779, 16781

STRELTSOVA, V. N. See also: 61-BUL-2, 69-BUL-2, 64-KRA, 61-MOS,
62-MOS, 65-MOS-2, 65-MOS-3, 67-MOS, 69-MOS-2,
69-MOS-3, 73-MOS-2, 74-MOS-2, 74-ZAL

STUART, B. O., W. J. Bair and J. F. Park 68-STU
Interpretation of excretion data from beagle dogs after ^{239}Pu
inhalation
In: Diagnosis and Treatment of Deposited Radionuclides (H. A.
Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation,
Amsterdam) 243-255 (1968) NSA 23, 24539

STUART, B. O., P. J. Dionne and W. J. Bair A dynamic simulation of the retention and translocation of inhaled plutonium oxide in beagle dogs In: Proceedings of the 11th AEC Air Cleaning Conference, Vol. 2 (M. W. First and J. M. Morgan, Jr., eds., Doc. CONF-700816) 721-737 (1970) NSA <u>25</u> , 21546	70-STU
STUART, B. O. (Panel Chmn.) Inhalation Risks from Radioactive Contaminants, International Atomic Energy Agency, Vienna, 146 p. (1973) NSA <u>27</u> , 24983	73-STU
STUART, B. O. Deposition of inhaled aerosols Arch. Intern. Med. <u>131</u> , 60-73 (1973) EP <u>S3</u> , 263	73-STU-2
STUART, B. O. See also: 64-BAI, 71-PAR	
STUBER, C. E. Transplutonium Elements. A Bibliography Doc. TID-3317-54, 215 p. (1974) NSA <u>29</u> , 17299	74-STC
SUBRAHMANYAM, P. See: 74-MAD	
SUDAKOV, L. V. See: 69-KAP	
SUGAI, R. See: 71-TAK, 72-TAK	
SUGIMURA, Y. See: 68-MIY-2, 70-MIY	
SULERZHITSKII, L. D. See: 65-CHE	
SULLIVAN, M. F., and R. C. Thompson Absence of lethal radiation effects following massive oral administration of plutonium Nature <u>180</u> , 651-652 (1957) NSA <u>12</u> , 1197	57-SUL
SULLIVAN, M. F., P. L. Hackett, L. A. George and R. C. Thompson Irradiation of the intestine by radioisotopes Radiat. Res. <u>13</u> , 343-355 (1960) NSA <u>14</u> , 21225	60-SUL
SULLIVAN, M. F., J. L. Beamer and T. D. Mahony Effects of intracavitary irradiation by californium-252 In: Biological Effects of Neutron Irradiation, International Atomic Energy Agency, Vienna, 299-310 (1974) NSA <u>30</u> , 3664	74-SUL
SULLIVAN, M. F. See also: 72-BAX, 68-SIK-2, 58-THO	
SURIKOV, V. V. See: 74-GRO	
SURINA, A. G., and I. A. Tseveleva Lipid metabolism in the lungs of rabbits in the normal state and in the presence of plutonium lesion (Abstract) Radiobiologiya <u>14</u> , 316 (1974) translated in AEC-tr-7571, 207	74-SUR
SURINA, A. G. See also: 72-BUL, 68-TSE, 71-TSE	
SUTER, G. M. See: 50-BOY	
SUZUKI, M., E. Tanaka and O. Matsuoka (eds.) Final Report of Research Project on Plutonium Hazards, April 1966-March 1970, Doc. NIRS-Pu-8, 94 p. (1971) NSA <u>25</u> , 57998	71-SUZ

SUZUKI, M., H. Okabayashi, S. Watanabe, S. Hongo and S. Ohno Studies on the inhalation of submicron plutonium nitrate aerosols in Wistar adult rats In: Final Report of Research Project on Plutonium Hazards, April 1966-March 1970 (M. Suzuki, et al., eds., Doc. NIRS-Pu-8) 66-75 (1971) PD <u>6</u> , 1580 EP <u>S1</u> , 531	71-SUZ-2
SUZUKI, M. See also: 69-WAT	
SWANBERG, F., Jr. Comparison of urinary excretion data from selected plutonium exposure cases at Hanford Health Phys. <u>8</u> , 761-765 (1962) NSA <u>17</u> , 10339	62-SWA
SWANBERG, F., and R. C. Henle Excretion of Pu-239 in a patient with a plutonium contaminated injury J. Occup. Med. <u>6</u> (4), 174-178 (1964) BA <u>45</u> , 84903	64-SWA
SWIFT, M. N. See: 46-PAE, 49-PRO	
SWINTH, K. L., B. I. Griffin and J. F. Park Whole body counting of inhaled plutonium in dogs Health Phys. <u>13</u> , 1223-1231 (1967) NSA <u>22</u> , 8558	67-SWI
SWINTH, K. L. Interpreting counting data for internally deposited plutonium In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 208-221 (1968) NSA <u>23</u> , 24638	68-SWI
SWINTH, K. L. Photon intensities and their importance in counting transuranic materials Doc. BNWL-1648, 24 p. (1972)	72-SWI
SWINTH, K. L., J. F. Park and P. J. Moldofsky Counting plutonium in the tracheobronchial lymph nodes Health Phys. <u>22</u> , 899-904 (1972) NSA <u>26</u> , 38801	72-SWI-2
SWISHER, C. D. See: 72-FIS	
SYCH, Z. G. See: 59-TSA, 61-TSA	

TAKIZAWA, Y., and R. Sugai ²³⁹ Pu, ⁹⁰ Sr and ¹³⁷ Cs: Concentrations in human organs of the Japanese Arch. Environ. Health <u>23</u> , 446-450 (1971) EP <u>S1</u> , 852	71-TAK
TAKIZAWA, Y., T. Kosaka, R. Sugai, M. Izawa and H. Watanabe Concentrations of plutonium-239, strontium-90, and cesium-137 in human organs of the northern Japanese in the last ten years (in Japanese) Nippon Koshu Eisei Zasshi <u>19</u> , 251-255 (1972) NSA <u>30</u> , 3692	72-TAK
TAMPLIN, A. R., and T. B. Cochran Radiation Standards for Hot Particles, Natural Resources Defense Council, Washington, D.C., 52 p. (1974) NSA <u>29</u> , 25892	74-TAM
TAMPLIN, A. R., and T. B. Cochran NRDC Comments on WASH 1535, Draft Environmental Statement, Liquid Metal Fast Breeder Reactor Program. Re: Volume II, Part 2, Section 4.6.5, Particle Lung Dose Effects, pp. 4.6-89 to 4.6-105; National Resources Defense Council, Washington, D.C. 40 p. (1974)	74-TAM-2
TAMPLIN, A. R., and T. B. Cochran The Hot Particle Issue: A Critique of WASH 1320 As It Relates to the Hot Particle Hypothesis, Natural Resources Defense Council, Washington, D.C., 47 p. (1974)	74-TAM-3
TAMPLIN, A. R., and T. B. Cochran NRDC Supplemental Submission to the Environmental Protection Agency Public Hearings on Plutonium and Transuranium Elements, Natural Resources Defense Council, Washington, D.C. (1975)	75-TAM
TAMURA, T. See: 59-JAD, 60-OLS	
TANAKA, E. See: 71-SUZ	
TANDY, R. K. See: 68-NGY	
TARASENKO, N. Y., and M. A. Khodyreva Action of washing agents on skin and their effect on the absorption of radioactive substances (in Russian) Gig. Sanit. <u>33</u> (7), 107-109 (1968) PD <u>5</u> , 3187	68-TAN
TARASOV, S. I., G. I. Smorodintseva, A. F. Oreshina, N. I. Shalak and V. Z. Yaskova The extent of aerogenic introduction of ²³⁹ Pu into the human body (in Russian) Gig. Sanit. <u>33</u> (4), 34-38 (1968) NSA <u>22</u> , 40721 EP <u>5</u> , 406	68-TAR
TARASOV, S. I. See also: 70-SMO	
TASCHNER, J. C. See: 68-ODL-2	
TASHIRO, S. Autoradiographic analysis of plutonium contamination of pig skin I. (in Japanese) Hoken Butsuri <u>2</u> , 128-133 (1967) NSA <u>22</u> , 23539	67-TAS
TASHIRO, S., Y. Wadach and M. Muramatsu Skin contamination by radioisotopes. V. Pig skin contamination by ²³⁹ Pu J. Nucl. Sci. Technol. (Tokyo) <u>5</u> , 160 (1968) PD <u>2</u> , 2728	68-TAS

TASHIRO, S. Autoradiographic analysis of plutonium contamination on pig skin. 2. Change with contaminating time of the state of plutonium on the skin, and its state after decontamination (in Japanese) Hoken Butsuri <u>5</u> (4), 187-193 (1970) NSA <u>26</u> , 9526	70-TAS
TASHIRO, S. Plutonium skin contamination and decontamination by decontaminants (in Japanese) Nippon Genshiryoku Gakkaishi, <u>13</u> , 2-7 (1971) NSA <u>25</u> , 24143	71-TAS
TASHIRO, S. Contaminative behavior of plutonium chloride on protein film J. Nucl. Sci. Technol. (Tokyo) <u>9</u> , 344-347 (1972) NSA <u>26</u> , 56513	72-TAS
TAUBE, M. Physiological effects of plutonium and health physics In: Plutonium (M. Taube, Polish Scientific Publishers, Warsaw, translation Macmillan Co., New York) 85-102 (1964) NSA <u>18</u> , 44083	64-TAU
TAYLOR, B. T. A proportional counter for low-level measurement of ^{239}Pu in lungs Health Phys. <u>17</u> , 59-69 (1969) NSA <u>23</u> , 29203	69-TAB
TAYLOR, B. T. See also: 71-NED, 72-NED, 68-RUN	
TAYLOR, D. M., F. D. Sowby and N. F. Kember The metabolism of americium and plutonium in the rat Phys. Med. Biol. <u>6</u> , 73-86 (1961) NSA <u>15</u> , 24669	61-TAY
TAYLOR, D. M., and F. D. Sowby The removal of americium and plutonium from the rat by chelating agents Phys. Med. Biol. <u>7</u> , 83-91 (1962) NSA <u>16</u> , 23396	62-TAY
TAYLOR, D. M. Some aspects of the comparative metabolism of plutonium and americium in rats Health Phys. <u>8</u> , 673-677 (1962) NSA <u>17</u> , 10325	62-TAY-2
TAYLOR, D. M. The metabolism of the transuranic elements Brit. J. Radiol. <u>37</u> , 95-100 (1964) NSA <u>18</u> , 11586	64-TAY
TAYLOR, D. M. Effects of desferrioxamine on the retention of actinide elements in the rat Health Phys. <u>13</u> , 135-140 (1967) NSA <u>21</u> , 14669	67-TAY
TAYLOR, D. M. Metabolism of plutonium in adult rabbits Brit. J. Radiol. <u>42</u> , 44-50 (1969) NSA <u>23</u> , 38406	69-TAY
TAYLOR, D. M., and J. P. M. Bensted Long-term biological damage from ^{239}Pu and ^{241}Am in rats In: Delayed Effects of Bone-Seeking Radionuclides (C. W. Mays, et al., eds., Univ. of Utah Press, Salt Lake City) 357-370 (1969) NSA <u>23</u> , 38802	69-TAY-2
TAYLOR, D. M., and C. J. Danpure Lysosomal uptake of actinide elements (Abstract) Biochem. J. <u>115</u> , 53P (1969)	69-TAY-3

- TAYLOR, D. M., and A. R. Chipperfield 70-TAY
The mode of fixation of ^{239}Pu and ^{241}Am in bone: A possible explanation of their different carcinogenicity
In: Symposium Ossium (A. M. Jelliffe, eds., E. & S. Livingstone, London) 215-217 (1970) NSA 25, 24014
- TAYLOR, D. M., and A. R. Chipperfield 71-TAY
Binding of transplutonium elements to proteins of bone
In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 187-204 (1971) NSA 25, 37719
- TAYLOR, D. M., A. R. Chipperfield and A. C. James 71-TAY-2
Effects of tetracycline on the deposition of plutonium and related elements in rat bone
Health Phys. 21, 197-204 (1971) NSA 25, 46695
- TAYLOR, D. M. 72-TAY
Interactions between transuranium elements and the components of cells and tissues
Health Phys. 22, 575-581 (1972) NSA 26, 38768
- TAYLOR, D. M. 72-TAY-2
Cellular deposition and retention of ^{239}Pu in relation to the induction of neoplasms
In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 273-279 (1972) NSA 26, 41299
- TAYLOR, D. M., and J. D. Jones 72-TAY-3
Effects of EDTA and DTPA on DNA synthesis in kidney and intestinal mucosa of folate treated rats
Biochem. Pharmacol. 21, 3313-3315 (1972)
- TAYLOR, D. M. 73-TAY
Chemical and physical properties of plutonium
In: Uranium-Plutonium-Transplutonic Elements (H. C. Hodge, J. N. Stannard and J. B. Hursh, eds., Springer-Verlag, New York) 323-347 (1973) PD 8, 872
- TAYLOR, D. M. 73-TAY-2
Chemical and physical properties of the transplutonium elements
In: Uranium-Plutonium-Transplutonic Elements (H. C. Hodge, J. N. Stannard and J. B. Hursh, eds., Springer-Verlag, New York) 717-738 (1973) PD 8, 130T
- TAYLOR, D. M. See also: 65-BEN, 69-BEN, 70-BOC, 68-CHI, 70-CHI, 70-CHI-2, 72-CHI, 74-DAN, 71-JAM, 71-POL, 60-SOW, 68-TUR, 68-TUR-2, 73-VAU
- TAYLOR, G. N., W. R. Christensen, W. S. S. Jee, C. E. Rehfeld and W. Fisher 62-TAG
Anatomical distribution of fractures in beagles injected with Pu^{239}
Health Phys. 8, 609-613 (1962) BA 42, 16455
- TAYLOR, G. N., C. E. Rehfeld, G. Schneebeil and H. A. Johnson 62-TAG-2
Eye changes induced by internal irradiation
In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al., eds., Pergamon Press, New York) 163-178 (1962) NSA 17, 19893
- TAYLOR, G. N., W. R. Christensen, W. S. S. Jee, C. E. Rehfeld and P. Petermann 66-TAG
Intercomparison of pathological fractures in beagles injected with ^{226}Ra , ^{228}Ra , ^{239}Pu or ^{90}Sr
Health Phys. 12, 361-367 (1966) NSA 20, 16253

TAYLOR, G. N., T. F. Dougherty, L. Shabestari and J. H. Dougherty Soft-tissue tumors in internally irradiated beagles In: Delayed Effects of Bone-Seeking Radionuclides (C. W. Mays, et al., eds., Univ. of Utah Press, Salt Lake City) 323-336 (1969) NSA <u>23</u> , 38804	69-TAG
TAYLOR, G. N., C. E. Rehfeld, W. R. Christensen and W. S. S. Jee Influence of ^{226}Ra and ^{239}Pu on the dental root canal of the dog J. Dent. Res. <u>48</u> , 924-927 (1969) NSA <u>24</u> , 864	69-TAG-2
TAYLOR, G. N., W. S. S. Jee, N. Dockum and E. Hromyk Microscopic distribution of ^{241}Am in the beagle thyroid gland Health Phys. <u>17</u> , 723-725 (1969) NSA <u>24</u> , 11923	69-TAG-3
TAYLOR, G. N., T. F. Dougherty and W. R. Christensen Some toxicity aspects of internally deposited ^{239}Pu In: Pathology of Irradiation (C. C. Berdjis, ed., Williams and Wilkins Co., Baltimore) 110-119 (1971) NSA <u>25</u> , 29627	71-TAG
TAYLOR, G. N., W. S. S. Jee, C. W. Mays, R. B. Dell, J. L. Williams and L. Shabestari Microscopic distribution of ^{249}Cf and ^{249}Bk in the soft tissues of beagles Health Phys. <u>22</u> , 691-693 (1972) NSA <u>26</u> , 38783	72-TAG
TAYLOR, G. N., W. S. S. Jee, J. L. Williams and L. Shabestari Hepatic changes induced by ^{239}Pu In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 105-127 (1972) NSA <u>26</u> , 41257	72-TAG-2
TAYLOR, G. N., W. R. Christensen, L. Shabestari and W. S. S. Jee General syndrome induced by ^{239}Pu in the beagle In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 59-74 (1972) NSA <u>26</u> , 41254	72-TAG-3
TAYLOR, G. N., J. L. Williams, L. Roberts, D. R. Atherton and L. Shabestari Increased toxicity of Na_3CaDTP when given by protracted administration Health Phys. <u>27</u> , 285-288 (1974) NSA <u>31</u> , 3763	74-TAG
TAYLOR, G. N. See also: 62-CHR, 72-CHR, 62-COH, 62-JEW, 70-LOR, 72-LOR, 72-LOR-2, 69-MAY, 70-MAY, 62-REH, 69-STW, 73-THU	
TAYSUM, D. H., F. G. Evans, W. M. Hammer, W. S. S. Jee, C. E. Rehfeld and L. W. Blake Radionuclides and bone strength in beagles In: Some Aspects of Internal Irradiation (T. F. Dougherty, et al., eds., Pergamon Press, New York) 145-162 (1962) NSA <u>17</u> , 19892	62-TAD
TEMPLE, L. A., D. H. Willard, S. Marks and W. J. Bair Induction of lung tumors by radioactive particles Nature <u>183</u> , 408-409 (1959) NSA <u>13</u> , 7435	59-TEM
TEMPLE, L. A., S. Marks and W. J. Bair Tumours in mice after pulmonary deposition of radioactive particles Int. J. Radiat. Biol. <u>2</u> , 143-156 (1960) NSA <u>14</u> , 16551	60-TEM
TEMPLE, L. A. See also: 61-BAI, 62-BAI-2, 53-JOF, 54-WAG	

TERESI, J. D., and C. L. Newcombe 68-TER
 An evaluation of hazards from immersion of plutonium in the marine environment
 In: Proceedings of the 1st International Congress of Radiation Protection. Part 1. (W. S. Snyder, et al., eds., Pergamon Press, New York) 673-680 (1968) NSA 23, 12107

TERNOVSKII, A. I., R. A. Erokhin, N. A. Koshurnikova and M. G. Poplyko 74-TEA
 Evaluation of the uniformity of irradiation of the lungs in the case of chronic inhalation of plutonium-239 citrate (Abstract)
 Radiobiologiya 14, 635 (1974) translated in AEC-tr-7602, 216

TERRY, J. L. See: 62-BUS, 58-CLA, 65-STK, 65-WIR, 67-WIR, 68-WIR

TESTA, C., G. Masi and V. Marchionni 71-TES
 Plutonium bioassay laboratory at the Casaccia Nuclear Centre
 In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 421-435 (1971) NSA 25, 37820

TESTA, C. 72-TES
 Indirect methods used at CNEN for the evaluation of internal contamination
 In: Assessment of Radioactive Contamination in Man (International Atomic Energy Agency, Vienna) 405-421 (1972) NSA 26, 55768

TESTA, C., and A. Delle Site 73-TES
 Study of a case which involved a wound contaminated with insoluble Pu and ²⁴¹Am
 In: Health Physics Problems of Internal Contamination (E. Bujdoso, ed., Akademiai Kiado, Budapest) 593-599 (1973) NSA 28, 30321

THILO, G. See: 52-ASL

THOMAS, C. W., and R. W. Perkins 67-THC
 Airborne radionuclides associated with normal and anomalous reactor operations
 In: Assessment of Airborne Radioactivity (International Atomic Energy Agency, Vienna) 105-118 (1967) PD 2, 1687

THOMAS, D. M. C. See: 65-STK

THOMAS, J. M. See: 72-CRD

THOMAS, R. G. 64-THR
 Influence of aerosol properties upon gross distribution and excretion
 Health Phys. 10, 1013-1028 (1964) NSA 19, 3852

THOMAS, R. G. 68-THR
 Transport of relatively insoluble materials from lung to lymph nodes
 Health Phys. 14, 111-117 (1968) NSA 22, 21507

THOMAS, R. G. 70-THR
 Estimation of ²⁴¹Am body burdens by analysis of whole-body scanning, excreta and body weight data
 Health Phys. 19, 751-755 (1970) NSA 25, 16009

THOMAS, R. G. 72-THR
 Interspecies model for retention of inhaled particles
 In: Assessment of Airborne Particles. Fundamentals, Applications and Implications to Inhalation Toxicity (T. T. Mercer, ed., Charles C. Thomas, Publisher, Springfield, Illinois) 405-420 (1972) NSA 26, 36463

THOMAS, R. G., R. O. McClellan, R. L. Thomas, T. L. Chiffelle, C. H. Hobbs, R. K. Jones, J. L. Mauderly and J. A. Pickrell
Metabolism, dosimetry and biological effects of inhaled ^{241}Am in beagle dogs
Health Phys. 22, 863-871 (1972) NSA 26, 38749 72-THR-2

THOMAS, R. G.
Tracheobronchial lymph node involvement following inhalation of alpha emitters
In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 231-241 (1972) NSA 26, 41297 72-THR-3

THOMAS, R. G. See also: 62-CHW, 72-MCR-2, 68-ODL-2, 60-WIR

THOMAS, R. L. See: 72-THR-2

THOMAS, W. A., and D. G. Jacobs
Curium behavior in plants and soil
Soil Sci. 108, 305-307 (1969) BA 51, 52874 69-THW

THOMPSON, J. C., Jr. See: 62-MIH

THOMPSON, J. L. See: 67-FIS

THOMPSON, R. C.
Research at Hanford on therapy for internally deposited plutonium
In: Therapy of Radioelement Poisoning (M. W. Rosenthal, ed., Doc. ANL-5584) 114-122 (1956) EP S2, 200 56-THO

THOMPSON, R. C., H. M. Parker and H. A. Kornberg
Validity of maximum permissible standards for internal exposure
Proc. Int. Conf. Peaceful Uses At. Energy 13, 201-204 (1956) 56-THO-2

THOMPSON, R. C., W. J. Bair, S. Marks and M. F. Sullivan
Evaluation of internal exposure hazards for several radioisotopes encountered in reactor operation
In: Proceedings of the Second United Nations International Conference on the Peaceful Uses of Atomic Energy, Vol. 23, Experience on Radiological Protection (United Nations, Geneva) 283-289 (1958) NSA 12, 14512 58-THO

THOMPSON, R. C.
Vertebrate radiobiology: Metabolism of internal emitters
Annu. Rev. Nucl. Sci. 10, 531-560 (1960) NSA 15, 4904 60-THO

THOMPSON, R. C. (ed.)
Proceedings of the Hanford Symposium on the Biology of the Transuranic Elements
Health Phys. 8, 561-784 (1962) NSA 17, 10316 62-THO

THOMPSON, R. C.
SNPO and SNAP biological studies. Summary technical report
Doc. BNWL-182, 17 p. (1966) NSA 20, 14785 66-THO

THOMPSON, R. C.
Biological factors
In: Plutonium Handbook; A Guide to the Technology, Vol. 2 (O. J. Wick, ed., Gordon and Breach, New York) 785-829 (1967) NSA 22, 8490 67-THO

THOMPSON, R. C.
Properties of radionuclides in tissues: A new look at some old problems
In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 39-44 (1968) NSA 22, 2479 68-THO

THOMPSON, R. C., and W. J. Bair (eds.) Proceedings of the Hanford Symposium on the Biological Implications of the Transuranium Elements Health Phys. <u>22</u> , 533-954 (1972) NSA <u>26</u> , 38766	72-THO
THOMPSON, R. C., J. F. Park and W. J. Bair Some speculative extensions to man of animal risk data on plutonium In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 221-230 (1972) NSA <u>26</u> , 41260	72-THO-2
THOMPSON, R. C. Biology of the transuranium elements. A bibliography Doc. BNWL-1782 (1973) NSA <u>28</u> , 27669	73-THO
THOMPSON, R. C. Effects of plutonium in animals In: Plutonium Information Meeting for an Ad Hoc Subcommittee of the Advisory Committee on Reactor Safeguards, Doc. CONF-740115, 56-63 (1974) NSA <u>31</u> , 14413	74-THO
THOMPSON, R. C. Implications with respect to protection criteria (part of AEC presentation at EPA Plutonium Standards Hearings, December 10-11, 1974) In: Doc. WASH-1359, 271-289 (1974) NSA <u>31</u> , 16862	74-THO-2
THOMPSON, R. C. See also: 74-BAI, 62-BAL, 62-BAL-2, 67-BAL, 72-HUF, 56-OAK, 70-SAN-3, 61-SMV, 57-SUL, 60-SUL, 53-WEK-2, 55-WEK, 56-WEK	
THOMPSON, S. E. See: 68-NGY	
THURMAN, G. B. Growth dynamics of osteosarcomas in beagles (Thesis, Univ. of Utah) Doc. C00-119-243, 127 p. (1971) NSA <u>25</u> , 29621	71-THU
THURMAN, G. B., C. W. Mays, G. N. Taylor, A. T. Keane and H. A. Sissons Skeletal location of radiation-induced and naturally occurring osteosarcomas in man and dog Cancer Res. <u>33</u> , 1604-1607 (1973) NSA <u>29</u> , 8067 EP <u>5</u> , 234	73-THU
TIEDEMAN, D. V. See: 50-BOY-2	
TIETJEN, G. L. See: 69-MOW	
TIMOFEEV, G. A. See: 69-KAP	
TISSSEN, M. Y. See: 71-OSA-2, 73-OSA	
TODD, R., and R. Logan ²³⁷ Pu labelling: A new technique for plutonium metabolic studies in animals Int. J. Appl. Radiat. Isotop. <u>17</u> , 253-255 (1966) NSA <u>20</u> , 18221	66-TOD
TODD, R., and R. Logan ²³⁷ Pu for metabolic studies: Its preparation and use Int. J. Appl. Radiat. Isotop. <u>19</u> , 141-145 (1968) NSA <u>22</u> , 28385	68-TOD
TODD, R. See also: 68-LOG	
TOKARSKAYA, Z. B. See: 63-ELK	
TOLOCHKOVA, N. M. See: 67-BUL	

TOMBROPOULOS, E. G., W. J. Bair and J. F. Park Effect of diethylenetriaminepentaacetic acid and polypropylenogly- colethylene oxide polymer on excretion of inhaled $^{239}\text{PuO}_2$ in dogs Nature <u>198</u> , 703-704 (1963) NSA <u>17</u> , 23055	63-TOM
TOMBROPOULOS, E. G. Review of therapeutic procedures for removal of inhaled radioactive materials Health Phys. <u>10</u> , 1251-1257 (1964) NSA <u>19</u> , 3866	64-TOM
TOMBROPOULOS, E. G. See also: 63-BAI-2	
TOTTER, J. R. Biological research with plutonium 1944-1984 In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds., J. W. Press, Salt Lake City) 23-27 (1972) PD <u>6</u> , 2787	72-TOT
TREGUBENKO, I. P., and D. I. Semenov The effect of complexones on the behavior of metals and radioactive agents in the body. III. Phosphates (in Russian) Tr. Inst. Biol., Akad. Nauk SSSR, Ural. Filial, <u>12</u> , 5-22 (1960) NSA <u>16</u> , 32706	60-TRE
TREGUBENKO, I. P. Inhalation of plutonium by rats Tr. Inst. Biol., Akad. Nauk SSSR, Ural. Filial, No. 46, 89-97 (1966) translated in AEC-tr-7169, 124-136 NSA <u>22</u> , 8477; <u>25</u> , 6611	66-TRE
TREGUBENKO, I. P. Fate of plutonium in a pregnant organism and its effect on the viability of the fetus Tr. Inst. Biol., Akad. Nauk SSSR, Ural. Filial, No. 46, 125-130 (1966) translated in AEC-tr-7169, 171-179 NSA <u>22</u> , 8478; <u>25</u> , 6614	66-TRE-2
TREGUBENKO, I. P. Experiments on the effect of certain materials on the behavior of plutonium in an organism Tr. Inst. Biol., Akad. Nauk SSSR, Ural. Filial, No. 46, 143-146 (1966) translated in AEC-tr-7169, 199-204 NSA <u>22</u> , 8480; <u>25</u> , 6616	66-TRE-3
TREGUBENKO, I. P., and D. I. Semenev Combined effects of complex forming substances and diuretics on the behavior of radio-emitters in the organism Tr. Inst. Biol., Akad. Nauk SSSR, Ural. Filial, No. 46, 147-149 (1966) translated in AEC-tr-7169, 205-209 NSA <u>22</u> , 12787; <u>25</u> , 6617	66-TRE-4
TREGUBENKO, I. P. See also: 58-SED	
TRIFONOV, V. I. See: 74-KAV, 72-ZAL-3, 74-ZAL	
TRNOVEC, T., and A. Pleskova Mechanisms of hepatic uptake of hepatotropic radionuclides Prac. Lek. <u>23</u> (5), 175-181 (1971) translated in BNWL-tr-71 NSA <u>25</u> , 49095 EP <u>5</u> , 235	71-TRN
TROFIMOV, V. I. See: 73-MOS	
TRUHAUT, R., C. Boudene and M. Lutz Research in the complexon series. I. Detoxicant capacity of Ca-DTPA in experimental chronic plutonium poisoning in rats (in French) Ann. Biol. Clin. (Paris) <u>24</u> , 419-426 (1966) NSA <u>21</u> , 18007	66-TRU

<p>TRUHAUT, R., C. Boudene and M. Lutz Research in the complexon series. II. Influence of the repeated intravenous administration of Ca-DTPA on the elimination of trace elements in rats (in French) Ann. Biol. Clin. (Paris) <u>24</u>, 427-434 (1966) NSA <u>21</u>, 18008</p>	66-TRU-2
<p>TRUHAUT, R., C. Boudene, M. Lutz and H. Metivier On the comparative efficacy of desferrioxamine and DTPA as agents for the elimination of plutonium in poisoned rats (in French) Arch. Mal. Prof. Med. Trav. Secur. Sociale <u>27</u>, 669-676 (1966) NSA <u>23</u>, 9893</p>	66-TRU-3
<p>TRUJILLO, T. T. See: 54-FOR-2, 55-FOR</p>	
<p>TSARAPKIN, S. R., and Z. G. Sych The effect of ^{239}Pu and $^{89,90}\text{Sr}$ on the bone marrow of the white rat Med. Radiol. <u>4</u>(6), 75-77 (1959) translated in JPRS-2773, 110-113 NSA <u>15</u>, 66; <u>13</u>, 16708</p>	59-TSA
<p>TSARAPKIN, S. R., and Z. G. Sych Effects of plutonium-239 and strontium-89, 90 on albino rat marrow In: Distribution, Biological Effects, and Migration of Radioactive Isotopes (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow) 284-289 (1961) translated in AEC-tr-7512, 332-338 NSA <u>30</u>, 7133</p>	61-TSA
<p>TSEVELEVA, I. A. The plutonium content in the protein fraction of rat tubular bones Biokhimiya <u>25</u>, 636-639 (1960) translated by Consultants Bureau, 487-489 NSA <u>15</u>, 12701</p>	60-TSE
<p>TSEVELEVA, I. A. Plutonium content in protein fractions in bone In: Plutonium-239: Its Distribution, Biological Effect and Accelerated Elimination (A. V. Lebedinskii and Y. I. Moskaev, eds., Medgiz, Moscow) 52-55 (1962) translated in FTD-TT-63-559, 70-76 NSA <u>17</u>, 30276</p>	62-TSE
<p>TSEVELEVA, I. A., and R. E. Libinon Influence of ^{239}Pu on metabolism of free ribonucleotides in rabbit liver Radiobiologiya <u>6</u>, 219-223 (1966) translated in AEC-tr-6771, 81-87 NSA <u>21</u>, 6424</p>	66-TSE
<p>TSEVELEVA, I. A., R. E. Libinon, G. S. Mushkacheva, T. N. Rysina and A. G. Surina Biochemical changes in the lungs of rabbits after inhalation of plutonium Radiobiologiya <u>8</u>, 535-541 (1968) translated in AEC-tr-7014, 68-76 NSA <u>23</u>, 4869</p>	68-TSE
<p>TSEVELEVA, I. A., and R. A. Erokhin Behavior of ^{241}Am in the body of rats under intraperitoneal and intratracheal administration In: Radioactive Isotopes and the Body (Y. I. Moskaev, ed., Meditsina, Moscow) (1969) translated in AEC-tr-7195, 161-167 NSA <u>25</u>, 23966</p>	69-TSE
<p>TSEVELEVA, I. A. Metabolism of glucosamineglycans (acid mucopolysaccharides) in rabbits lungs after plutonium poisoning (in Russian) Vop. Med. Khim. <u>16</u>, 399-405 (1970) NSA <u>24</u>, 51051</p>	70-TSE
<p>TSEVELEVA, I. A., G. S. Mushkacheva, T. N. Rysina, A. G. Surina and V. V. Kreslov Mechanism of development of plutonium pneumosclerosis In: Remote Aftereffects of Radiation Damage (Y. I. Moskaev, ed., Atomizdat, Moscow) 340-350 (1971) translated in AEC-tr-7387, 371-380 .PD <u>7</u>, 2072</p>	71-TSE

TSEVELEVA, I. A. Collagen biosynthesis in rat lungs in radiation injury (in Russian) Vop. Med. Khim. <u>20</u> , 640-643 (1974) NSA <u>31</u> , 23059	74-TSE
TSEVELEVA, I. A. See also: 62-BEL-2, 72-BUL, 61-ELK, 62-ELK, 72-KOS, 73-KOS, 69-MUS, 62-RYS-2, 71-RYS, 74-SUR	
TSUJI, T. See: 71-SAK	
TULIKOURA, J., T. Jaakkola and J. K. Miettinen Plutonium in lichen in Finland during 1960-1973 In: Radioactive Foodchains in the Subarctic Environment (J. K. Miettinen, ed., Helsinki Univ.) Paper 62 (1974) NSA <u>30</u> , 15446	74-TUL
TURNER, G. A., and D. M. Taylor Binding of plutonium to serum proteins in vitro Radiat. Res. <u>36</u> , 22-30 (1968) NSA <u>22</u> , 51466	68-TUR
TURNER, G. A., and D. M. Taylor The transport of plutonium, americium, and curium in the blood of rats Phys. Med. Biol. <u>13</u> , 535-546 (1968) NSA <u>23</u> , 2748	68-TUR-2
TWENTE, J. A., and W. S. S. Jee The determination of localized concentration of Pu ²³⁹ in bone Health Phys. <u>5</u> , 142-148 (1961) NSA <u>15</u> , 23257	61-TWE
TWENTE, J. A. See also: 62-JEW-3	
TYLER, G. R. Self-absorption of x-rays by plutonium particles with special reference to plutonium in wound monitoring Health Phys. <u>12</u> , 509-519 (1966) NSA <u>20</u> , 20951	66-TYL

ULLBERG, S., A. Nelson, H. Kristoffersson and A. Engstrom Distribution of plutonium in mice - An autoradiographic study Acta Radiol. <u>58</u> , 459-471 (1962) NSA <u>17</u> , 10260	62-ULB
UNITED Nations Scientific Committee on the Effects of Atomic Radiation Ionizing Radiation: Levels and Effects, Vols. I and II, United Nations, New York, 200 p., 254 p. (1972)	72-UNS
UNITED States Atomic Energy Commission - Division of Operational Safety Operational accidents and radiation exposure experience within the USAEC 1943-1970 Doc. WASH 1192, 126 p. (1971) NSA <u>26</u> , 9558	71-UNI
UNITED States Atomic Energy Commission - Nevada Operations Office Enewetak Radiological Survey Doc. NVO-140; Vol. 1, 747 p.; Vol. 2, 617 p.; Vol. 3, 687 p. (1973) NSA <u>30</u> , 24007, 24008, 24009	73-UNI
UNITED States Atomic Energy Commission, Advisory Committee on Reactor Safeguards Plutonium Information Meeting for an Ad Hoc Subcommittee of the Advisory Committee on Reactor Safeguards Doc. CONF-740115, 96 p. (1974)	74-UNI
UNITED States Atomic Energy Commission Plutonium and Other Transuranium Elements: Sources, Environmental Distribution and Biomedical Effects Doc. WASH-1359, 327 p. (1974) NSA <u>31</u> , 16524	74-UNI-2
UNITED States Environmental Protection Agency Environmental Radiation Dose Commitment: An Application to the Nuclear Power Industry Doc. EPA-520/4-73-002, 88 p. (1974) NSA <u>30</u> , 3175	74-UNE
UNITED States Environmental Protection Agency Proceedings of Public Hearings: Plutonium and Other Transuranium Elements. Vol. 1. Proceedings of Hearings in Washington, D.C., December 10-11, 1974 Doc. ORP/CSD-75-1, 863 p. (1975) NSA <u>32</u> , 22273	75-UNE
UNRUH, C. M. Radiation hazards with recycle plutonium fuels Nucl. Safety <u>5</u> , 378-382 (1964) NSA <u>18</u> , 43854	64-UNR
USHAKOVA, A. P. See: 74-LIK	
USHAKOVA, V. F. See: 63-FRA	

VAANE, J. P. 69-VAN
 Hazards connected with the handling of transuranium elements and
 methods used for the protection of personnel
 Actinides Rev. 1, 337-370 (1969) NSA 24, 2436 PD 3, 470T

VAANE, J. P., and E. M. M. DeRas 71-VAN
 Analysis of a case of internal contamination with ^{242}Cm
 Health Phys. 21, 821-826 (1971) NSA 26, 9531

VAANE, J. P., E. M. M. DeRas and C. Von Brandenstein 71-VAN-2
 Particle size distributions of some transuranium element compounds
 and the deposition in the respiratory tract after inhalation
 In: Radiation Protection Problems Relating to Transuranium Elements
 (Doc. EUR-4612) 383-401 (1971) NSA 25, 37799

VALBERG, P. A. See: 74-BRJ

VALENTINE, A. M. 74-VAM
 Capabilities for control of plutonium in processing
 In: Plutonium Information Meeting for an Ad Hoc Subcommittee of the
 Advisory Committee on Reactor Safeguards, Doc. CONF-740115, 72-78
 (1974) NSA 31, 14342

VAN DER STRICHT, E. See: 68-DEB

VAN MIDDLESWORTH, L. 47-VAL
 Study of plutonium metabolism in bone
 Doc. MDDC-1022, 100 p. (n.d.) (decl. 1947) ADD 1, 1022

VANDERBEEK, J. W. 60-VAJ
 Plutonium in puncture wounds
 Doc. HW-66172, 18 p. (1960) NSA 29, 18659 PD 8, 2499

VAUGHAN, J. M. 56-VAU
 The effects of radiation on bone
 In: The Biochemistry and Physiology of Bone (G. H. Bourne, ed., Academic
 Press, New York) 729-765 (1956)

VAUGHAN, J. M. 62-VAU
 Bone disease induced by radiation
 Int. Rev. Exptl. Pathol. 1, 243-369 (1962) NSA 18, 21870

VAUGHAN, J. 65-VAU
 Non-uniformity of radiation dose in space with special reference
 to radiological protection
 Int. J. Radiat. Biol. 9, 513-543 (1965) NSA 20, 8524

VAUGHAN, J., B. Bleaney and M. Williamson 67-VAU
 Uptake of plutonium in bone marrow: A possible leukaemic risk
 Brit. J. Haematol. 13, 492-502 (1967) NSA 22, 10736

VAUGHAN, J. 71-VAU
 Haematological consequences of radioisotope incorporation with
 particular reference to plutonium, thorium, radium, iron, and
 gold
 In: Manual on Radiation Hematology (International Atomic Energy
 Agency, Vienna) 215-242 (1971) NSA 25, 44754

VAUGHAN, J. 72-VAU
 Bone surfaces: What are they?
 In: Radiobiology of Plutonium (B. J. Stover and W. S. S. Jee, eds.,
 J. W. Press, Salt Lake City) 323-332 (1972) NSA 26, 41301

VAUGHAN, J., B. Bleaney and D. M. Taylor Distribution, excretion and effects of plutonium as a bone-seeker In: Uranium-Plutonium-Transplutonic Elements (H. C. Hodge, J. N. Stannard and J. B. Hursh, eds., Springer-Verlag, New York) 349-502 (1973) PD <u>8</u> , 1020	73-VAU
VAUGHAN, J. M. Effects of Irradiation on the Skeleton, Oxford University Press, New York, 308 p. (1973) NSA <u>30</u> , 9879	73-VAU-2
VAUGHAN, J. See also: 71-BLE, 62-HER, 67-WIM	
VERNON, P. B. Health hazards associated with the fabrication of plutonium- aluminum fuel elements Health Phys. <u>12</u> , 1109-1113 NSA <u>20</u> , 39153	66-VER
VERNON, P. B., R. M. Hall and G. A. Poda Monitoring, decontamination and bio-assay of a plutonium-contaminated injury Health Phys. <u>12</u> , 1539-1543 (1966) NSA <u>21</u> , 14650	66-VER-2
VIER, M. See: 53-FOR	
VISHWAKARMA, R. R. See: 74-MAD	
VOELZ, G. L. See: 73-HEM, 73-HEM-2, 74-HEM	
VOGT, G., and B. Kawin Localization of radioelements in rat ovary Doc. HW-53500, 120-125 (1958) EP <u>S2</u> , 246	58-VOG
VOGT, G. See also: 58-DOC, 59-DOC, 62-PAR	
VOLCHOK, H. L. Resuspension of plutonium-239 in the vicinity of Rocky Flats In: Proceedings of Environmental Plutonium Symposium (E. G. Fowler, et al., eds., Doc. LA-4756) 99-103 (1971) PD <u>6</u> , 2211	71-VOH
VOLCHOK, H. L., R. H. Knuth and M. T. Kleinman Respirable fraction of plutonium at Rocky Flats Health Phys. <u>23</u> , 395-396 (1972) NSA <u>26</u> , 50585	72-VOH-2
VOLCHOK, H. L. Transuranic elements in the marine environment (part of AEC presentation at EPA Plutonium Standards Hearings, December 10-11, 1974) In: Doc. WASH-1359, 155-168 (1974) NSA <u>31</u> , 16541	74-VOH
VOLCHOK, H. L. See also: 72-HAR, 72-HAR-2, 69-KLE, 73-HAR	
VOLF, V. Present position and problems of chelation therapy In: Radiation Protection Problems Relating to Transuranium Elements (Doc. EUR-4612) 223-248 (1971) NSA <u>25</u> , 37780	71-VOL
VOLF, V., E. Polig and A. Seidel Biological experiments with transuranium elements (in German) KFK Nachr. <u>4</u> (2), 20-23 (1972) NSA <u>26</u> , 59144	72-VOL
VOLF, V. Combined effect of DTPA and citrate on an intramuscular ²³⁹ Pu deposit in rats Health Phys. <u>27</u> , 152-153 (1974) NSA <u>30</u> , 16052	74-VOL

VOLF, V. 74-VOL-2
Experimental background for prompt treatment with DTPA of ^{239}Pu -contaminated wounds
Health Phys. 27, 273-277 (1974) NSA 31, 3765

VOLF, V., and A. Seidel 74-VOL-3
Decorporation of ^{239}Pu and ^{241}Am in the rat and hamster by Zn-DTPA
Radiat. Res. 59, 638-644 (1974) NSA 30, 29813

VOLF, V. 75-VOL
The effect of combinations of chelating agents on the translocation of intramuscularly deposited ^{239}Pu nitrate in the rat
Health Phys. 29, 61-68 (1975) NSA 32, 28321

VOLF, V. See also: 71-SEI, 72-SEI, 72-SEI-3

VON BRANDENSTEIN, C. See: 71-VAN-2

VORONINA, T. F. See: 71-GNE-2

WACHHOLZ, B. W. See; 74-BAI-3

WADACH, Y. See: 68-TAS

WAGER, R. W., and L. A. Temple 54-WAG
 Comparison of CaEDTA with zirconium citrate in promoting excretion
 of plutonium from the dog
 In: Doc. HW-30437, 114-121 (1954)

WAITE, D. A. 72-WAI
 Production and human inhalation of plutonium labeled particles
 in the submicron range
 Thesis, Oklahoma State Univ., Stillwater, 104 p. (1972) Univ.
 Microfilms Order No. 73-15,271 NSA 28, 18568

WAITE, D. A. See also: 72-RAM, 73-SEL

WALD, N., R. Wechsler, A. Brodsky and S. Yaniv 68-WAL
 Problems in independent medical management of plutonium-americiu
 contaminated patients
 In: Diagnosis and Treatment of Deposited Radionuclides (H. A. Kornberg
 and W. D. Norwood, eds., Excerpta Medica Foundation, Amsterdam) 575-586
 (1968) NSA 23, 24656

WALD, N. See also: 68-BRO, 72-BRO

WALKE, W. P. See: 72-JOY

WALKER, R. L. See: 67-FIS

WALL, M. A. See: 68-SHL

WALLACE, A., V. Q. Hale and C. B. Joven 69-WAC
 DTPA and pH effects on leaf uptake of ⁵⁹Fe, ⁶⁵Zn, ¹³⁷Cs, ²⁴¹Am and
²¹⁰Pb
 J. Amer. Soc. Hort. Sci. 94, 684-686 (1969) NSA 24, 23102

WALLACE, A. 71-WAC
 Effects of micronutrient and DTPA applications on ²⁴¹Am and
 micronutrient contents of PI54619-5-1 soybeans grown in
 calcareous Hacienda loam soil
 In: Regulation of the Micronutrient Status of Plants by Chelating
 Agents and Other Factors (A. Wallace, University of California, Los
 Angeles) 8-9 (1971) EP 5, 246

WALLACE, A. 71-WAC-2
 Retranslocation of ²⁴¹Am in bush beans
 In: Regulation of the Micronutrient Status of Plants by Chelating
 Agents and Other Factors (A. Wallace, University of California,
 Los Angeles) 96-97 (1971) EP 5, 245

WALLACE, A. 71-WAC-3
 Transport of some heavy metals into the xylem exudate of tobacco
 In: Regulation of the Micronutrient Status of Plants by Chelating
 Agents and Other Factors (A. Wallace, University of California, Los
 Angeles) 140-142 (1971)

WALLACE, A. 71-WAC-4
 Effect of citrus rootstock and chelating agent on specific activity
 of iron and zinc in shoots of grafted plants and on ⁵⁹Fe, ⁶⁵Zn, ²¹⁰Pb,
 and ²⁴¹Am contents in the shoots
 In: Regulation of the Micronutrient Status of Plants by Chelating
 Agents and Other Factors (A. Wallace, University of California,
 Los Angeles) 168-172 (1971) EP 5, 244

WALLACE, A. 72-WAC
 Increased uptake of ^{241}Am by plants caused by the chelating agent
 DTPA
 Health Phys. 22, 559-562 (1972) NSA 26, 38804

WALLACE, A. 72-WAC-2
 Effect of soil pH and chelating agent (DTPA) on uptake by and
 distribution of ^{241}Am in plant parts of bush beans
 Radiat. Bot. 12, 433-435 (1972) NSA 27, 15129

WALLACE, A., and E. M. Romney 74-WAC
 Feasibility and alternate procedures for decontamination and post
 treatment management of Pu-contaminated areas in Nevada
 Doc. UCLA 12-973, 90 p. (1974) NSA 31, 3390

WALLACE, A. See also: 70-HAQ, 73-ROM, 75-ROM

WALLACE, P. See: 53-HAM

WARD, E. E. 66-WAE
 Uptake of plutonium by the lobster *Homarus vulgaris*
 Nature 209, 625-626 (1966) NSA 20, 18227

WARD, F. A., and J. C. Lynn 71-WAF
 Effect of the irradiation of nuclear fuel on the internal
 dosimetry of plutonium
 In: Radiation Protection Problems Relating to Transuranium Elements
 (Doc. EUR-4612) 363-382 (1971) NSA 25, 37818

WARD, F. A. See also: 73-HOE, 74-SCG

WARNER, G. G. See: 68-SNY, 72-SNY-2

WARREN, S. See: 73-NOM

WASHBURN, L. C. See: 73-HAW

WATANABE, H. See: 73-OKA, 72-TAK

WATANABE, S., and M. Suzuki 69-WAT
 Plutonium aerosol inhalation apparatus (in Japanese)
 Nippon Genshiryoku Gakkaishi 11, 562-566 (1969) NSA 23, 50004

WATANABE, S. See also: 71-SUZ-2

WATSON, E. C. See: 73-SEL

WATSON, E. E. See: 67-CLO

WATTERS, R. L., and J. E. Johnson 70-WAR
 Skin absorption of plutonium in DMSO solution
 Health Phys. 19, 318-320 (1970) NSA 24, 50693

WATTERS, R. L., and J. L. Lebel 72-WAR
 Progress in the beagle studies at Colorado State University
 Health Phys. 22, 811-814 (1972) NSA 26, 38794

WATTERS, R. L., and L. J. Johnson 72-WAR-2
 Movement of plutonium and americium from wound sites
 In: Health Physics Operational Monitoring, Vol. 1 (C. A. Willis, ed.,
 Gordon and Breach, New York) 723-730 (1972) NSA 29, 29868

WATTERS, R. L. See also: 72-BIS, 75-DAG, 75-DAG-2, 72-GOM, 74-GOM,
 70-JOL, 70-JOL-2, 72-JOL-2, 70-LEJ, 71-PAI

WATTS, L. 75-WAS
Clearance rates of insoluble plutonium-239 compounds from the lung
Health Phys. 29, 53-59 (1975) NSA 32, 28317

WEBB, G. A. M., and F. Morley 74-WEB
A model for the evaluation of the deep ocean disposal of radioactive
wastes
In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder,
ed., Doc. CONF-730901-P1) Vol. 1, 313-318 (1974)

WECHSLER, R. See: 68-BRO, 68-WAL

WEEKS, M. H., and W. D. Oakley 53-WEK
Absorption of plutonium through the living skin of the rat: Rates
of penetration and methods of skin decontamination
In: Doc. HW-28636, 85-91 (1953) EP S2, 149

WEEKS, M. H., W. D. Oakley, J. Katz and R. C. Thompson 53-WEK-2
Absorption of plutonium through the skin of the rat - Rates of
penetration and methods for skin decontamination
Doc. HW-30232, 20 p. (1953) EP S2, 137

WEEKS, M. H., and W. D. Oakley 54-WEK
Absorption of plutonium through the living skin of the rat
In: Doc. HW-30437, 102-105 (1954) EP 6, 151

WEEKS, M. H., W. D. Oakley and R. C. Thompson 55-WEK
Influence of plutonium concentration on effectiveness of therapeutic
agents
Radiat. Res. 2, 237-239 (1955) NSA 8, 6078

WEEKS, M. H., and W. D. Oakley 55-WEK-2
Percutaneous absorption of plutonium solutions in rats
In: Doc. HW-35917, 56-63 (1955) EP S2, 177

WEEKS, M. H., J. Katz, W. D. Oakley, J. E. Ballou, L. A. George, 56-WEK
L. K. Bustad, R. C. Thompson and H. A. Kornberg
Further studies on the gastrointestinal absorption of plutonium
Radiat. Res. 4, 339-347 (1956) NSA 10, 7458 EP S3, 510

WEEKS, M. H. See also: 55-KAT-2

WEGST, W. F., Jr. 71-WEG
Safety analysis report for alpha sources used on surveyor spacecraft
Health Phys. 21, 301-308 (1971) NSA 25, 47030

WEHNER, A. P. 71-WEH
Negatively charged aerosols. Effects on pulmonary clearance of
inhaled $^{239}\text{PuO}_2$ in rats
Chest 60(5), 468-471 (1971) NSA 26, 33824

WEHNER, A. P. See also: 71-PAR

WEI, C. T. See: 72-ARN

WEIMER, W. C. See: 74-EMR

WEINER, M. See: 62-STE

WELANDER, A. D. 69-WEL
Distribution of radionuclides in the environment of Eniwetok and
Bikini Atolls, August 1964
In: Symposium on Radioecology, Proceedings of the Second National
Symposium held at Ann Arbor, Michigan, May 15-17, 1967 (Doc. CONF-
670503) 346-354 (1969) NSA 23, 17977

WENSTRAND, T. K. See: 71-KER

WERNER, J. See: 73-BEY

WEST, J. E., and W. J. Bair 64-WES
Plutonium inhalation studies V. Radiation syndrome in beagles
after inhalation of plutonium dioxide
Radiat. Res. 22, 489-506 (1964) NSA 18, 29906

WEST, J. E. See also: 62-PAR

WESTFALL, W. M. See: 59-FRI, 65-LIN

WHALEN, R. P., and S. Davies 72-WHA
Americium contamination incident in a New York State Health
Department laboratory
Radiat. Data Rep. 13, 249-253 (1972) NSA 26, 41497 Also: N.Y.
State J. Med. 72, 2430-2434 (1972) NSA 26, 59133

WHICKER, F. W., C. A. Little and T. F. Winsor 74-WHF
Plutonium behavior in the terrestrial environs of the Rocky Flats
installation
In: Environmental Surveillance Around Nuclear Installations. Vol.
II (International Atomic Energy Agency, Vienna) 89-103 (1974)
NSA 31, 14032

WHIPPLE, H. O. See: 68-SCF

WHITE, M. R., and J. Schubert 52-WHI
The action of salts of zirconium and other metals on plutonium
and yttrium distribution and excretion
J. Pharmacol. Exptl. Therap. 104, 317-324 (1952) NSA 6, 3206

WHITE, M. R. See also: 50-SCH, 50-SCH-2

WHITSON, S. W. See: 72-PAZ

WIGGINS, A. D. See: 62-BAI-2

WILDUNG, R. E., and T. R. Garland 74-WIE
Influence of soil plutonium concentration on plutonium uptake
and distribution in shoots and roots of barley
J. Agr. Food Chem. 22, 836-838 (1974) NSA 30, 29825

WILKINSON, C. J. See: 72-KOT, 75-RAB

WILKINSON, P. N., and F. E. Hoecker 53-WIP
Selective placental transmission of radioactive alkaline earths
and plutonium
Trans. Kansas Acad. Sci. 56, 341-363 (1953) also Doc. AECU-2400, 33 p.
NSA 7, 1863 BA 28, 13017

WILLARD, D. H. See: 61-BAI, 61-BAI-3, 62-BAI, 62-BAI-3, 63-BAI,
74-BAI-4, 62-PAR, 59-TEM

WILLIAMS, A. See: 50-BOY-2

WILLIAMS, J. L. See: 72-LOR, 74-LOR, 75-LOR, 72-TAG, 72-TAG-2,
74-TAG

WILLIAMS, K. 59-WIL
Studies of the toxicology of plutonium
Doc. AERE-R-2907, 22 p. (1959) NSA 13, 20023

WILLIAMS, M. H. See: 61-DUR, 69-DUR

WILLIAMS, R. H. See: 70-MAE

WILLIAMSON, M., and J. Vaughan Histochemistry of the mucosaccharides in the epiphyseal plate of young rabbits Nature <u>215</u> , 711-714 (1967) PD <u>2</u> , 122T	67-WIM
WILLIAMSON, M. See also: 62-HER, 67-VAU	
WILSON, D. O., and J. F. Cline Removal of ²³⁹ Pu, ¹⁸⁵ W, and ²¹⁰ Pb from soil Nature <u>209</u> , 941-942 (1966) NSA <u>20</u> , 22538	66-WID
WILSON, D. W. See: 74-ANS	
WILSON, J. S. See; 68-RIC	
WILSON, R. H. Decontamination of human skin after immersion in a plutonium solution Doc. HW-42030, 31 p. (1956) NSA <u>11</u> , 11037	56-WIH
WILSON, R. H. Distribution of plutonium observed in human blood Doc. HW-44341, 5 p. (1956) NSA <u>33</u> , 5812	56-WIH-2
WILSON, R. H. Hanford experience with plutonium contaminated injuries, 1945-1959 Doc. HW-62274, 23 p. (1959)	59-WIH
WILSON, R. H. A review of significant Hanford plutonium deposition cases In: Doc. WASH-1023, 71-83 (1959) NSA <u>14</u> , 2268	59-WIH-2
WILSON, R. H., and W. B. Silker Plutonium contaminated injury case study and associated use of Na ₄ EDTA as a decontaminating agent Doc. HW-66309, 5 p. (1960) NSA <u>16</u> , 4393	60-WIH
WILSON, R. H. Controlling and evaluating plutonium deposition in humans In: Plutonium handbook: A Guide to the Technology. Vol. 2 (O. J. Wick, ed., Gordon and Breach, New York) 831-844 (1967) NSA <u>22</u> , 8557	67-WIH
WILSON, R. H. [WIH] See also: 58-NOR, and all WIR listings (a different R. H. Wilson)	
WILSON, R. H., R. G. Thomas and J. N. Stannard Biomedical and aerosol studies associated with field release of plutonium Doc. WT-1511, 67 p. (1960) NSA <u>15</u> , 12697	60-WIR
WILSON, R. H., and J. L. Terry Plutonium uptake by animals exposed to a non-nuclear detonation of a plutonium-bearing weapon simulant. Part 1. Field operations Doc. UR-665, 45 p. (1965) NSA <u>19</u> , 31712	65-WIR
WILSON, R. H., and J. L. Terry Biological studies associated with a field release of plutonium In: Inhaled Particles and Vapours II (C. N. Davies, ed., Pergamon Press, Oxford) 273-290 (1967) NSA <u>21</u> , 32597	67-WIR
WILSON, R. H., and J. L. Terry Operation Roller Coaster - Project Officers report - Project 4.1. Plutonium uptake by animals exposed to a non-nuclear detonation of a plutonium-bearing weapon simulant Doc. POR-2512 (WT-2512), 162 p. (1968) EP <u>S3</u> , 393	68-WIR

WILSON, R. H. [WIR] See also: 65-STK, 69-STK-2, and all WIH listings
(a different R. H. Wilson)

WILSON, S. A. See: 65-HSI

WINSOR, T. F. See: 74-WHF

WIRTH, J. E. 51-WIJ
Management and treatment of exposed personnel
In: Industrial Medicine on the Plutonium Project (R. S. Stone,
ed., McGraw-Hill, New York) 264-275 (1951) EP S2, 85

WIRTH, J. E. See also: 45-HEM

WITHERS, H. R., G. D. Oliver, Jr. and D. W. Glenn 71-WIT
Response of mouse jejunal crypt cells to low dose rate irradiation
with californium neutrons or radium gamma-rays
Radiat. Res. 48, 484-494 (1971) NSA 26, 18064

WITHERS, H. R. See also: 73-CAJ

WONG, K. M., J. C. Burke and V. T. Bowen 71-WON
Plutonium concentration in organisms of the Atlantic Ocean
In: Health Physics Aspects of Nuclear Facility Siting. Vol. II
(P. G. Voilleque, ed., Idaho Falls, Idaho) 529-539 (1971)
NSA 25, 55161

WONG, K. M., V. F. Hodge and T. R. Folsom 71-WON-2
Concentrations of plutonium, cobalt, and silver radionuclides in
selected Pacific seaweeds
In: Proceedings of Environmental Plutonium Symposium (E. G. Fowler,
et al., eds., Doc. LA-4756) 93-98 (1971)

WONG, K. M., V. F. Hodge and T. R. Folsom 72-WON
Plutonium and polonium inside giant brown algae
Nature 237, 460-462 (1972) NSA 26, 45924

WONG, K. M. See also: 71-BOW, 71-NOS, 74-NOS-2

WOOD, D. See: 67-MOP

WOOD, D. H., J. L. Murray and J. L. Palotay 68-WOD
Correlation of rose bengal clearance and histopathologic change of
sheep livers damaged by ²³⁷Np
Am. J. Vet. Res. 29, 1103-1108 (1968) NSA 22, 33932

WOOD, R., and B. A. Burden 67-WOR
Accumulation of radionuclides in water works filter bed material
Nature 213, 637-638 (1967) NSA 21, 16006

WOODHEAD, D. S. 73-WOS
Levels of radioactivity in the marine environment and the dose
commitment to marine organisms
In: Radioactive Contamination of the Marine Environment (International
Atomic Energy Agency, Vienna) 499-525 (1973) NSA 28, 8184

WOODRUFF, L. See: 47-KIS

WOODRUFF, R. K. See: 73-SEL

WRAIGHT, N. See: 67-MOP

WRENN, M. E., J. C. Rosen and N. Cohen 72-WRE
In vivo measurement of ^{241}Am in man
In: Assessment of Radioactive Contamination in Man (International
Atomic Energy Agency, Vienna) 595-621 (1972) NSA 25, 44802

WRENN, M. E. 74-WRE
Environmental levels of plutonium and transplutonium elements
(part of AEC presentation at EPA Plutonium Standards Hearings,
December 10-11, 1974)
In: Doc. WASH-1359, 89-112 (1974) NSA 31, 16526

WRENN, M. E. See also: 72-CON, 73-CON, 74-CON, 72-ROJ

WRIGHT, S. R. 72-WRI
I X-ray measurement of actinide metabolism using ^{243}Am in mice
Int. J. Appl. Radiat. Isotop. 23, 423-429 (1972) NSA 27, 603

YAEGER, D. J. See: 72-PAH

YANIV, S. S.

73-YAN

Plutonium and americium measurements in humans by X- and gamma-ray spectral analysis (Thesis, University of Pittsburgh)
Doc. WASH-1241, 183 p. (1973) NSA 28, 2974

YANIV, S. S. See also: 68-WAL

YASKOVA, V. Z. See: 70-SMO, 68-TAR

YATES, C. W. See: 65-DOS

YEE, J. See: 69-JEW

YODER, R. E.

74-YOD

Potential source terms and control measures (part of AEC presentation at EPA Plutonium Standards Hearings, December 10-11, 1974)
In: Doc. WASH-1359, 13-86 (1974) NSA 31, 16525

YOKOVLEV, G. N. See: 69-KAP

YOSHIKAWA, K. See: 67-MAO

YOUNG, D. R. See: 73-HOV

YUILE, C. L., F. R. Gibb and P. E. Morrow

70-YUI

Dose-related local and systemic effects of inhaled ^{239}Pu and ^{239}Pu dioxide in dogs
Radiat. Res. 44, 821-834 (1970) NSA 25, 26929

ZALIKIN, G. A., Y. I. Moskalev and I. K. Petrovich 68-ZAL
 Distribution and biological effect of ^{241}Am
 Radiobiologiya 8, 65-71 (1968) translated in AEC-tr-6950, 107-118
 NSA 22, 47473

ZALIKIN, G. A., Y. I. Moskalev, I. K. Petrovich and E. I. Rudnitskaya 69-ZAL
 Biological effects of ^{241}Am
 Radiobiologiya 9, 599-603 (1969) translated in AEC-tr-7109, 169-175
 NSA 24, 556

ZALIKIN, G. A., and B. A. Popov 72-ZAL
 Influence of DTPA on the acceleration of the elimination of ^{241}Am
 in the case of introduction of the isotope into the mammalian
 organism, lasting up to 300 days (Abstract)
 Radiobiologiya 12, 316 (1972) translated in AEC-tr-7362, 238

ZALIKIN, G. A., Y. I. Moskalev, R. M. Lyubimova-Gerasimova, I. K. Petrovich and V. S. Stepanov 72-ZAL-2
 Distribution and biological action of ^{252}Cf
 Radiobiologiya 12, 894-897 (1972) translated in AEC-tr-7421, 124-128
 NSA 28, 2990

ZALIKIN, G. A., and V. I. Trifonov 72-ZAL-3
 Distribution of americium 241 in the rat organism as related to the
 properties of the administered salt
 In: Biological Effects of Radiation from External and Internal Sources
 (Y. I. Moskalev and V. S. Kalistratova, eds., Meditsina, Moscow)
 292-297 (1972) translated in AEC-tr-7457, 427-434 NSA 30, 10016

ZALIKIN, G. A., and B. A. Popov 73-ZAL
 Influence of DTPA on the acceleration of ^{241}Am excretion after
 chronic intake by rat (in Russian)
 In: Proceedings of German-Soviet Working Meeting on the Question
 of Radiation Protection, Staatliche Zentrale fuer Strahlenschutz,
 Berlin, 51-56 (1973) NSA 30, 19030

ZALIKIN, G. A., Y. I. Moskalev, A. I. Semenov, Y. S. Zhorova, V. N. Streltsova, I. K. Petrovich and V. I. Trifonov 74-ZAL
 Materials on the toxicology of californium-252 (in Russian)
 In: Proc. Third Int. Cong. Int. Radiat. Prot. Assn. (W. S. Snyder, ed.,
 Doc. CONF-730901-P1) Vol. 1, 117-128 (1974) NSA 30, 27262

ZALIKIN, G. A. See also: 67-MOS-2, 71-MOS, 71-MOS-3, 72-MOS-2, 72-MOS-4,
 73-MOS, 73-MOS-4, 74-MOS, 74-MOS-2, 74-MOS-4, 73-SEA,
 74-SEA

ZALMANZON, Y. E., and O. A. Chutkin 72-ZAY
 Radiation absorbed dose in the lungs from radioactive aerosols
 Med. Radiol. 17(4), 63-68 (1972) translated in RFP-Trans-130
 NSA 27, 17686

ZALMANZON, Y. E., and O. A. Chutkin 72-ZAY-2
 Distribution of absorbed dose from alpha-active aerosol particles by
 tissue depth (in Russian)
 Med. Radiol. 17(7) 69-72 (1972) NSA 27, 17689

ZALMANZON, Y. E., and O. A. Chutkin 73-ZAY
 Control of the inhaled fraction of radioactive aerosol particles
 (in Russian)
 Tr. Soyuznogo Nauch.-Issled. Inst. Priborostr. 21, 34-39 (1973)
 NSA 29, 24526

ZAPOLSKAYA, N. A., A. V. Fedorova, V. V. Borisova, K. K. Nechaev and E. I. Dolgirev 74-ZAP
 Metabolic routes of ^{239}Pu at early periods following its introduction
 (in Russian)
 Med. Radiol. 19(11), 74-76 (1974) NSA 31, 11703

ZHOROVA, E. S. See: 74-MOS-2, 74-ZAL

ZHURAVLEVA, A. K. see: 72-KHA, 74-KHA

ZIEMER, P. L. See: 71-MEW, 71-MEW-3

ZLOBIN, V. S. 66-ZLO
 Accumulation of uranium and plutonium by marine algae
 Radiobiologiya 6, 613-617 (1966) translated in AEC-tr-6773, 219-227
 NSA 21, 22372

ZLOBIN, V. S., and O. V. Mokanu 70-ZLO
 Mechanisms of the accumulation of ^{239}Pu and ^{210}Po by the brown
 alga *Ascophyllum nodosum* and marine phytoplankton
 Radiobiologiya 10, 584-589 (1970) translated in AEC-tr-7205, 160-
 169 NSA 25, 10941

ZLOBIN, V. S., and M. F. Perlyuk 71-ZLO
 Photosynthesis and the mechanism of the action of cyanide on cell
 respiration and ^{239}Pu accumulation by marine algae
 Proc. Sci. Res. & Planning Inst. of Sea Fisheries & Oceanog. 29, 159-
 168 (1971) translated in AEC-tr-7418, 195-206 NSA 27, 28069

ZLOBIN, V. S. 71-ZLO-2
 Active phase of assimilation of ^{239}Pu by the marine algae
Ascophyllum nodosum
 Proc. Sci. Res. & Planning Inst. of Sea Fisheries & Oceanog. 29,
 169-175 (1971) translated in AEC-tr-7418, 207-217 NSA 27, 28070

ZLOBIN, V. S. 73-ZLO
 Comparative evaluation of accumulation dynamics of some corrosion
 and fission group radioisotopes and alpha emitters by northern
 marine algae
 In: Radioecology of Water Organisms. II. Distribution and
 Migration of Radionuclides in Freshwater and Sea-water Biocenoses
 (G. P. Andrumaitis, ed., Izdatelstvo Zinatne, Riga) 242-247 (1973)
 translated in AEC-tr-7606, 144-147 NSA 30, 21142

ZVONOVA, I. A. See: 74-LIK

ZYLICZ, E. See: 71-JAW, 73-JAW-2

INDEX CATEGORIES

(and index page on which each appears)

RADIONUCLIDES

- 1 Neptunium
- 1 Plutonium-<238
- 1 Plutonium-238
- 1 Plutonium->239
- 1 Americium
- 2 Curium
- 2 Berkelium
- 2 Californium
- 3 Einsteinium

COMPOUNDS OF PLUTONIUM

- 4 Trivalent
- 4 Hexavalent
- 4 Chloride
- 4 Citrate
- 4 Fluoride
- 5 Nitrate
- 5 Oxide

PHYSICAL STATE

- 6 Particles
- 6 Polymeric Behavior
- 6 Specific Activity

DISPERSAL MODE

- 7 Fallout
- 7 Industrial
- 7 Accidents
- 8 Site-Specific
 - Hanford
 - Los Alamos
 - Mound
 - Nevada Test Site
 - "Safety Shots"
 - Rocky Flats
 - Savannah River
 - Pacific Islands
 - Palomares
 - Thule

EXPOSURE MODE

- 9 Inhalation or Intratracheal
- 9 Ingestion
- 10 Intramuscular or Wound
- 11 Percutaneous
- 11 Repeated

EXPERIMENTAL ANIMAL

- 12 Dog
- 12 Hamster
- 12 Mouse
- 13 Primate
- 13 Rabbit
- 13 Rat
- 14 Swine
- 14 Other

ORGANS, TISSUES, SECRETIONS

- 15 Adrenals
- 15 Blood
- 15 Bone
 - Marrow
- 17 Brain (Nervous System)
- 17 Excreta
 - Urine Data Only
- 18 Eyes
- 18 Fetus (Placenta)
- 18 Gastrointestinal Tract
- 18 Gonads
- 19 Hair
- 19 Heart
- 19 Kidney
- 19 Liver
 - Bile
- 21 Lung
 - Upper Respiratory Tract
- 22 Lymph Node
 - Non-Pulmonary
- 22 Mammary Gland
- 22 Milk
- 22 Muscle
- 23 Pituitary
- 23 Skin
- 23 Spleen
- 23 Teeth
- 24 Thyroid

METABOLISM

- 25 Microdistribution
 - Cellular
- 25 Biochemical Binding
- 25 Retention
- 25 Dosimetry
- 25 Data from Non-Adults

TOXICITY

- 31 Dosimetry
- 31 Acute Effects
- 31 Survival Data
- 31 Neoplasia
 - Leukemia
- 31 Hematological Effects
- 31 Biochemical Effects
- 31 Chromosomal Effects
- 31 Combined Insults
- 31 Effects in Non-Adults

THERAPEUTIC REMOVAL

- 37 Chelate Therapy
- 37 Non-Chelate Therapy
- 37 Excretion Data
- 37 Distribution Data
- 37 Survival or Tumor Data
- 37 External Decontamination
- 37 Colloid Therapy
- 37 Lavage Therapy
- 37 Chelate Toxicity

HUMAN EXPERIENCE

- 41 Exposures
- 41 Dosimetry
- 41 Excretion Data
- 41 Body Burden Estimates
- 41 Autopsy Data
- 41 Therapy
- 41 Biological Effects
- 41 Psychosocial Effects

ENVIRONMENTAL DISTRIBUTION

- 45 Terrestrial
- 45 Aquatic
- 45 Air
- 45 Soil or Sediments
- 45 Water
- 45 Plants
- 45 Wild Animals
- 45 Livestock
- 45 Food
- 45 Resuspension
- 45 Decontamination

HAZARD EVALUATION

- 48 Dosimetry
- 48 Comparative Radionuclide Data
- 48 Standards
- 48 Hot Particles
- 48 Risk Estimates

RADIONUCLIDES

Np		< 238Pu	238Pu				> 239Pu	Am
61-BAI-5	71-MOS-2	70-BAI-5	70-ADM	53-HAM-2	67-MOP	68-SWI	72-ALD	75-ADM
63-BAI-2	72-MOS	74-BAI-2	75-ADM	72-HAN	72-MOR	72-SWI	68-ALK	72-ALD
74-BAI-5	72-MOS-3	74-BAI-4	72-ALD	74-HAN	73-MOR-3	71-TAK	74-BAI	68-ALK
62-BAL-2	72-MOS-4	74-HEA	70-ANH	75-HAN	74-MUH	75-TAM	74-BAI-2	75-ALM
64-BAL	73-MOS-3	72-INT	68-ANO	72-HAR	71-MYA	56-THO	74-BAN	52-ASL
74-BEG-3	73-MOS-4	74-KOE	71-ARK	72-HAR-2	71-NEO-5	66-THO	74-BEG-2	72-ATH
70-BEJ	74-MOS-3	67-LAR	70-BAI	73-HAR	72-NEO	67-THO	73-BIS	68-BAI
68-BRH	72-NAT	74-LAW	70-BAI-2	74-HAR	72-NEO-2	73-THO	72-CAD	74-BAI-3
75-BRI	72-NEO	72-LIN	70-BAI-5	71-HEA	74-NEV	74-THO	60-CRA	74-BAI-5
72-BUL-3	63-NOR	74-LIR	73-BAI	74-HEA	69-NOM	74-TUL	69-DEN	74-BAN
72-BUL-4	63-NOR-2	68-LOG	74-BAI	71-HED	73-NOM	74-UNE	72-DIX	74-BEG-3
62-CAB	72-NOS-2	67-MAG	74-BAI-2	73-HOC	72-NOR	72-UNS	74-EMR-2	69-BEL
73-CAG	74-NOS-2	73-PAK	74-BAI-3	69-HOJ	71-NOS	74-VAM	72-FIS	65-BEN
63-CAH	71-OVC	64-PIL	74-BAI-5	71-HOL	72-NOS	71-VAN-2	72-GAV	69-BEN
71-CRL	72-OVC	72-RAM	74-BAI-6	75-HOM	72-NOS-2	73-VAU	71-HAE	72-BIS
58-DAJ	43-OVE	71-SIL	74-BAI-7	70-INO	74-NOS-2	73-VAU-2	72-HAN	73-BIS
60-DUR	74-PIG	69-SMH	64-BAL	72-INT	73-OKA	71-VOH	72-HAR-2	66-BOC
62-DUR	71-PRI	69-SMH-2	67-BAL	68-JOH	73-PAK	74-VOH	71-HEA	67-BOS
74-DUR-2	72-PRI	72-SMV	74-BAN	74-JOL	72-PAM	71-WAF	74-HEA	71-BRA
72-FIS	73-PRI	66-TOD	74-BEG-3	68-JON	69-PAR	55-WEK	69-HEI	68-BRH
75-FOL	73-PRI-2	68-TOD	71-BER	72-JOY	72-PAR	56-WEK	71-HEI	68-BRO
63-FOS	72-SIK	73-VAU	68-BRH	74-KAN	74-PAR	72-WON	72-HEI	72-BRO
47-HAM	64-SMV-2	72-WAI	75-BRI	69-KAP	73-PAV	74-WRE	71-HOL	69-BRU
48-HAM	72-SMV		69-BUL	55-KAT	71-PER	74-YOD	68-INT-2	69-BUA
49-HAM	72-SMV-2		62-CAB	73-KEC	74-PIG	70-YUI	69-JAM	70-BUA
49-HAM-2	72-SOB		73-CAG	70-KEN	64-PIL		68-JON	72-BUL
74-HAN	71-STA		70-COD	71-KEN	71-PRI		73-KEC	72-BUL-4
75-HAN	72-SWI		65-COM	71-KER	73-PRI-2		71-KER	72-BUL-5
74-HEA	60-THO		60-CRA	69-KLE	70-PUR		74-KOE	71-CAF
73-HOC	62-THO		74-CRD	74-KOE	75-RAB		65-LAG	73-CAG
73-KEC	73-THO		75-CRD	71-KOT	69-RAM		67-LAR	72-CAL
74-KHA	74-UVE		46-CRJ	67-KRP	70-RAM		74-LAW	61-CAT
74-KHO	56-VAU		71-CRL	70-KRP	68-RIC		63-LIA	63-CAT
66-KRE	73-VAU-2		72-CRO	71-LAF	70-RIC		74-LIR	68-CHI
68-KRE	68-WOD		71-CUM	74-LAF	74-RIC		67-MAG	70-CHI-2
70-KRE	74-YOD		68-DEB	74-LAF-2	74-RIC-2		67-MAT	72-CHI
46-LAH			69-DEB	68-LAN	64-ROB		69-MAT	68-CLI
68-LEM			72-DIX	71-LAN	72-ROM		74-MIW	67-CLO
71-LEV			72-DOW	72-LAN	72-ROQ		71-MIY	72-CON
71-LEV-2			71-DRE	67-LAR	69-SAG		74-NEV	73-CON
71-LEV-3			71-DUR	73-LAU	70-SAG		72-NOR	74-CON
72-LEV			72-DUR-2	74-LAW	71-SAK		74-NOS-2	60-CRA
72-LEV-2			74-DUR-2	70-LEI	70-SAN-3		73-PAK	71-CRL
74-LEV			72-EDL	63-LIA	73-SAN-2		71-PER	75-DAG-2
74-LEV-2			72-EDL-2	72-LIN	73-SAN-3		74-PIG	70-DEA
75-LEV			73-EIS	71-LON	73-SAN-4		70-RAM	69-DEN
72-LYU-2			74-EMR	67-MAG	74-SAN		70-RIC	56-DOB
66-MAH			74-EMR-2	65-MAH	74-SAN-2		72-ROQ	73-DOE
67-MAH			72-ETI	69-MAH-2	52-SCK		69-ROW	74-DOE
71-MAH			72-FIS	69-MAT	73-SEL		74-SCG	74-DOE-2
67-MAT			75-FLE	75-MCL	71-SHE		73-SEL	73-DOL
70-MCO			60-FOR	66-MCR	67-SHL		68-SWI	71-DRE
62-MCR			72-GAV	72-MCR	70-SHL		72-SWI	73-DUA
66-MCR			68-GES	73-MCW	70-SHL-2		68-TOD	74-DUC
74-MIW			68-GES-2	73-MET	70-SHL-3		71-TRN	71-DUL
75-MOG			75-GOF	72-MIL	68-SMV		74-UNE	60-DUR
73-MOR			71-HAE	74-MIW	72-SMV		74-VAM	61-DUR
73-MOR-3			74-HAK-1	68-MIY	73-STJ		71-VAN-2	62-DUR
67-MOS-2			74-HAK-2	68-MIY-2	73-STJ-2		71-WAF	69-DUR
69-MOS-4			45-HAM	70-MIY	73-STJ-3		74-WRE	71-DUR
71-MOS			45-HAM-2	71-MIY	73-STU		73-YAN	72-DUR-2

RADIONUCLIDES

Am					Cm		Bk	Cf
73-DUR	72-KHO	71-NIF-2	69-SAG	71-TRN	74-BAI-3	72-NEO-2	74-BAI-5	72-ATH
74-DUR-2	71-KIE	72-NIF	74-SAM	69-TSE	74-BAI-5	72-NOS-2	68-BRH	70-ATK
74-EMR	74-KOE	72-NIF-2	72-SAN	68-TUR-2	74-BAN	71-PER	60-CRA	72-ATK
74-EMR-2	71-KOT	62-NOR-4	74-SCG	74-UNE	74-BEG-3	74-PIG	69-DEN	73-ATK
74-ERS	72-KUD	63-NOR	74-SCG-2	71-UNI	68-BRH	68-POL	73-DOL	74-BAI-3
64-FAB	71-LAF	63-NOR-2	55-SCH	60-VAJ	72-CHI	71-POL	62-DUR	74-BAI-5
73-FAB	74-LAF	72-NOR	56-SCH	69-VAN	60-CRA	71-PRI	73-DUR	73-BEY
71-FAS	74-LAF-2	74-NOR	72-SCH	71-VAN-2	71-CRL	72-PRI	71-HAY	72-BRA
74-FIL	65-LAG	72-NOS-2	48-SCK-2	56-VAU	69-DEN	73-PRI	72-HUF	68-BRH
74-FIL-2	72-LAG	74-NOS-2	73-SEG	65-VAU	73-DOL	73-PRI-2	68-INT	72-BRU
72-FIS	72-LAG-2	68-ODL	72-SEI	72-VAU	74-DOL	74-SAM	73-KEC	70-BUC
56-FOR-2	73-LAG	68-ODL-2	72-SEI-3	73-VAU	71-DRE	72-SAN	73-LOW-2	73-BUC
58-FOR	51-LAN	71-OHL	73-SEI	73-VAU-2	74-DUC	74-SAN-2	72-MAY-2	73-CAJ
60-FOR-2	67-LAR	71-OHL-2	73-SEI-2	74-VOH	71-DUL	55-SCH	71-PER	60-CRA
62-FOR-2	74-LEJ	71-OSA	73-SEI-3	71-VOL	60-DUR	56-SCH	74-RUN	71-CRL
63-FOR	71-LEV	71-OSA-3	73-SEI-4	74-VOL-3	62-DUR	49-SCK-2	72-SMV	72-DEF
72-GAV	72-LIN	71-OVC	74-SEI	69-WAC	73-DUR	71-SEA	74-STC	69-DEN
72-GON	72-LIN-2	71-OVC-2	75-SEI	71-WAC	74-DUR-2	71-SEA-2	72-TAG	75-DIT
66-HAJ	70-LOR	71-OVC-3	75-SEI-2	71-WAC-2	72-FIS	71-SEA-3	73-TAY-2	73-DOL
74-HAK-1	72-LOR	71-OVC-4	72-SMV	71-WAC-3	56-FOR-2	72-SEA	72-THO	71-DRE
70-HAL	72-LOR-2	72-OVC	72-SMV-2	71-WAC-4	58-FOR	73-SEA	73-THO	72-DRM
70-HAL-2	75-LOR	72-OVC-2	60-SOW	72-WAC	72-GAV	74-SEA	69-VAN	62-DUR
47-HAM	73-LOW-2	72-OVC-3	64-SPE	72-WAC-2	47-HAM	72-SEI		73-DUR
48-HAM	71-LYA	72-OVC-4	68-SPI	71-WAF	48-HAM	72-SMV		69-FAI
70-HAQ	73-LYA	74-OVC	71-STA	68-WAL	71-HAV	72-SMV-2		70-FAI
74-HAR	72-LYU-3	74-OVC-2	70-STB	72-WAR	71-HAY	74-STC		70-FAI-2
68-HAS	69-MAJ	62-PAH	72-STB-2	72-WAR-2	73-HOC	72-SWI		73-FAI
71-HAV	67-MAN	72-PAH	72-STB-6	72-WHA	69-HOJ	64-TAY		71-HAY
71-HAY	72-MAY-2	73-PAK	74-STC	67-WIM	71-HOL	67-TAY		70-HAZ
74-HEA	72-MCK	72-PAZ	73-STJ	72-WRE	68-INT	71-TAY		71-HAZ
69-HEI	62-MCR	71-PER	73-STJ-3	74-WRE	72-INT	72-TAY		72-HAZ
71-HEI	72-MCR	74-PIG	69-STW	72-WRI	69-KAP	73-TAY-2		72-HAZ-2
72-HEI	71-MEW-3	72-POE	72-STW	73-YAN	73-KEC	60-THO		74-HAZ
72-HEN	74-MIW	68-POL	68-SWI	74-YOD	71-KIE	62-THO		74-HAZ-2
62-HER	67-MOP	71-POL	72-SWI	68-ZAL	71-KOT	72-THO		73-HOC
71-HES	71-MOR	73-POL	69-TAG-3	69-ZAL	71-LAF	73-THO		71-HOL
73-HOC	73-MOR-3	73-POV	72-TAG	72-ZAL	74-LAF	69-THW		68-INT
73-HOE	58-MOS	71-PRI	72-TAG-2	72-ZAL-3	74-LAF-2	68-TUR-2		72-INT
72-HOG	67-MOS-2	72-PRI	72-TAG-3	73-ZAL	71-LAN	74-UNE		73-KEC
73-HOG	69-MOS	73-PRI	61-TAY	74-ZAP	72-LAN	71-UNI		71-KIE
74-HOG	69-MOS-4	73-PRI-2	62-TAY		74-LOR	69-VAN		71-LAN
71-HOL	71-MOS-2	72-PUZ	62-TAY-2		75-LOR	71-VAN		72-LAN
74-HOV-2	71-MOS-3	68-RAM	64-TAY		73-LOW-2	71-VAN-2		72-LIN
74-ILY	71-MOS-4	69-RAM	67-TAY		74-MAD	56-VAU		72-LOR
68-INT	72-MOS	70-RAM	69-TAY-2		72-MCH	71-VOL		75-LOR
68-INT-2	72-MOS-3	62-ROE	69-TAY-3		62-MCR	71-WEG		73-LOW-2
72-INT	73-MOS	72-ROJ	70-TAY		72-MCR	74-WRE		72-MAY-2
71-JEA	73-MOS-3	69-ROL	71-TAY		72-MCR-2	74-YOD		72-MCR
72-JEC	74-MOS	73-ROM	71-TAY-2		71-MEW-3			71-MEW
72-JEW	74-MOS-3	75-ROM	72-TAY		74-MIW			71-MEW-2
68-JOH	72-NAB	56-ROS	72-TAY-2		71-MOR			71-MEW-3
69-JOL	75-NAB	60-ROS	73-TAY-2		73-MOR-3			72-MEW
70-JOL-2	72-NAT	68-ROS	72-TES		58-MOS			74-MIW
72-JOL-2	75-NEA	72-ROS	73-TES		72-MOS			73-MOR-2
68-JON	71-NEO-2	70-RUD	60-THO		72-MOS-2			73-MOR-3
72-KAL-2	71-NEO-3	71-RUD	62-THO		73-MOS-3			73-MOR-4
72-KAL-3	71-NEO-4	72-RUD	72-THO		74-MOS-4			74-MOR
74-KAO	72-NEO	72-RUD-2	73-THO		68-MOY			74-MOS-2
71-KAV	72-NEO-2	72-RUD-3	70-THR		70-NEO			68-MOY
74-KAV	74-NEV	74-RUD	72-THR-2		71-NEO-2			72-NED-2
73-KEC	68-NGY	72-RUN	72-THR-3		72-NEO			73-NIA

RADIONUCLIDES

<u>Cf</u>	<u>Es</u>
63-NOR	74-BAI-5
63-NOR-2	68-BRH
62-PAH	69-DEN
72-PAH-2	73-DOL
71-PER	73-DUR
74-RUN	73-HAW
73-SEG	71-HAY
72-SMV	73-HOC
72-STB-6	72-HUF
74-STC	68-INT
72-STW	73-KEC
74-SUL	75-LOR
72-TAG	73-LOW-2
64-TAY	72-PAH
73-TAY-2	72-SIK
62-THO	72-SMV
72-THO	72-SMV-2
73-THO	74-SMV
69-VAN	74-STC
73-VAU-2	73-TAY-2
71-VOL	72-THO
71-WIT	73-THO
72-ZAL-2	
74-ZAL	

COMPOUNDS OF PLUTONIUM

Trivalent	Hexavalent		Chloride	Citrate				Fluoride
45-ABR	45-ABR	58-PRW	69-BAI	45-ABR	47-CAR	68-LOG	59-STB-2	71-BAI
47-ABR	47-ABR	64-ROB	73-BAI	47-ABR	72-CHI	71-LYA	62-STB	73-BAI
73-BAI	72-ALD	45-RUE	74-BAI-2	69-ANT	58-CLA	64-LYU	62-STB-2	74-BAI-2
74-BAI	69-ANT	61-SAM	74-BAI-5	72-ARI	62-CLA	64-LYU-2	63-STB	74-BAI-3
74-BAI-2	73-BAI	55-SCH	69-BUL	56-ARN	62-CLA-2	66-LYU	68-STB	74-BAI-5
69-BUL	74-BAI	56-SCH	47-CAR	57-ARN	45-COK	66-LYU-2	69-STB	74-BAI-6
47-CAR	74-BAI-2	46-SCK-2	71-DOL	59-ARN	45-COK-2	67-LYU	71-STB	74-BAI-7
74-DUR-2	62-BEL-2	48-SCK	74-DUR-2	62-ARN	59-DOC	68-LYU	72-STB-2	57-BAL
44-HAM	75-BRI	49-SCK	74-GRO-2	52-ASL-2	55-DOJ	69-LYU	72-STB-3	74-DUR-2
44-HAM-2	45-BRM	52-SCK	62-HER	70-BAI-2	62-DOJ	69-LYU-3	74-STB	74-JOR
45-HAM	69-BUL	64-SMH	51-LAN	71-BAI	72-DOL	72-LYU	75-STH	74-KOS-2
47-HAM	72-BUL-2	72-SMV	74-LEJ	73-BAI	65-DOS	69-MAH	75-STH-2	74-LEJ
48-HAM	47-CAR	46-SNR	74-MAL	74-BAI	62-DOT	74-MAH	62-STV	74-MAL
72-INT	69-CHA-2	46-SNR-3	73-NEC	74-BAI-2	69-DOT	71-MAO-3	75-STW	71-MIS
48-JAL	45-COK	59-STB-2	73-NEC-2	74-BAI-3	71-DUR	72-MAY	69-TAG	73-PAF
70-LAF	45-COK-2	69-STB	70-RAM	74-BAI-5	72-DUR	72-MAY-2	69-TAG-3	73-PAK
65-LAG	46-CRJ	75-STH-2	64-SAB	74-BAI-6	72-DUR-2	68-MCB	71-TAG	73-SCG
51-LAN	60-DUR	73-TAY	72-SAN	74-BAI-7	73-DUR	66-MCR	72-TAG-2	68-SCL
59-LAN	71-DUR	56-THO	71-SCR	62-BAL	74-DUR-2	73-MET	72-TAG-3	73-SEL
64-LAN	72-DUR	67-THO	68-TAS	62-BAL-2	62-ELK	61-MOS	62-TAY-2	73-TAY
67-LYU	72-DUR-2	74-THO	71-TAS	62-BAL-3	45-FID	62-MOS	64-TAY	67-THO
74-MAL	74-DUR-2	64-THR	72-TAS	62-BAL-4	47-FIN-2	65-MOS	67-TAY	66-VER-2
73-NEC	64-ERO	60-VAJ	73-TAY	64-BAL	62-FIN	66-MOS-2	69-TAY-3	
73-NEC-2	66-ERO	47-VAL	67-THO	66-BAL	45-FIR	69-MOS-3	73-TAY	
73-NEC-3	69-ERO	73-VAU	73-VAU	67-BAL	57-FOR	72-MOS	74-TEA	
67-NEO	71-ERO	73-VAU-2	70-WAR	72-BAL	53-HAK	73-MOS-2	56-THO	
65-NIS	45-FID	56-WEK	74-ZAP	72-BAL-2	45-HAM	73-MOS-3	67-THO	
71-PRI	74-FIL-2	59-WIL		72-BAX	74-HEA	47-MUN	74-THO	
73-PRI-2	44-HAM			73-BAX	48-HEL-2	45-MUR	64-THR	
58-PRW	44-HAM-2			73-BAX-2	74-HOG	74-NEV	66-TRE-2	
64-ROB	45-HAM			59-BEL	75-HOG	71-NIF	66-TRU-3	
72-SAN	47-HAM			60-BEL	72-INT	72-NOR	62-TSE	
46-SCK-2	48-HAM			60-BEL-2	72-JAM	71-OVC	68-TUR-2	
48-SCK	72-INT			61-BEL	46-JAO	72-OVC	65-VAU	
72-SMV	48-JAL			62-BEL-3	61-JEW	74-OVC	67-VAU	
68-TAS	46-JAO			62-BEL-4	62-JEW	74-OVC-2	73-VAU	
62-TAY-2	53-JOF			62-BEL-5	72-JEW	72-PAR	73-VAU-2	
64-TAY	50-KAW			64-BEL	53-JOF	72-PES	58-VOG	
73-TAY	63-KAW			64-BEL-3	64-KAL	72-PES-2	71-VOL	
67-THO	72-KHA-2			65-BEN	69-KAL	74-POM	74-VOL-2	
66-TOD	74-KHA			73-BIS	72-KAL	64-ROB	74-VOL-3	
73-VAU	45-LAN			66-BOC	58-KAW	56-ROS-2	56-WEK	
70-WAR	51-LAN			70-BOC	73-KEC	57-ROS	52-WHI	
56-WEK	59-LAN			74-BRA	72-KHA-2	69-ROS	59-WIL	
59-WIL	60-LAN			45-BRM	71-KOS	45-RUE		
	64-LAN			69-BRU-2	71-KOS-2	71-RYS		
	69-LAN			71-BRU	72-KOS-2	70-SAN-3		
	62-LEM			72-BRU	67-KUD	72-SAN		
	64-LYM			74-BUK	69-KUD	74-SCG-2		
	66-LYU			61-BUL	45-LAN	50-SCH		
	67-LYU			67-BUL	51-LAN	71-SEI		
	74-MAL			68-BUL	59-LAN	72-SEI		
	72-MOS			68-BUL-2	60-LAN	72-SEI-2		
	45-NIC-2			69-BUL	62-LAN	74-SHV		
	62-NIF			69-BUL-2	64-LAN	69-SMH		
	65-NIS			70-BUL	74-LIK	58-SMV		
	72-NOR			71-BUL-2	60-LIN	61-SMV		
	63-OLA			71-BUL-3	62-LIN	64-SMV		
	46-PAE			71-BUL-4	65-LIN	46-SNR		
	71-PRI			62-BUS	68-LIN	71-STA		
	73-PRI-2			72-BUS	72-LIN	59-STB		

COMPOUNDS OF PLUTONIUM

Nitrate				Oxide				
45-ABR	64-DOL	69-LAN	71-STA	45-ABR	74-DUC	68-LAN	70-SAN-5	75-WAS
46-ABR	71-DOL	74-LEJ	75-STH	47-ABR	74-DUR-2	69-LAN	71-SAN	71-WEH
47-ABR	72-DOL	61-LEM	75-STH-2	68-ADE	72-EDL	70-LAN	71-SAN-2	64-WES
72-AID	72-DUC	62-LEM	68-STU	73-ADE	67-ETI	72-LAN	72-SAN	59-WIL
64-BAD	73-DUR	62-LEM-2	73-STU	75-ADM	72-FIS	74-LEJ	73-SAN	60-WIR
62-BAI-3	74-DUR-2	62-LEM-3	60-SUL	64-ANB	75-FLE	59-LIS	73-SAN-2	74-YOD
63-BAI-2	62-ELK	64-LEM	62-SWA	52-ASL	67-FRD	71-LON	73-SAN-3	70-YUI
64-BAI	62-ELK-2	66-LEM	64-SWA	66-BAC	72-GAV	70-LUT	73-SAN-4	
69-BAI	63-ELK-2	62-LIB	64-TAU	60-BAI	74-GAV	64-LYU	74-SAN	
70-BAI-2	67-ELK	62-LIB-2	61-TAY	61-BAI	68-GES	66-LYU	74-SAN-2	
71-BAI	71-ELK	66-LIB	62-TAY	61-BAI-2	68-GES-2	70-MAE	75-SAN	
73-BAI	64-ERO	64-LYU	62-TAY-2	61-BAI-3	70-GJO	74-MAL	75-SAN-2	
74-BAI	66-ERO	66-LYU	64-TAY	61-BAI-4	75-GOF	67-MAN	74-SCA	
74-BAI-2	69-ERO	74-HAM	67-TAY	62-BAI	72-GOM	68-MCB	68-SCF	
74-BAI-3	71-ERO	71-MAO-2	69-TAY	62-BAI-2	73-GOM	72-MCR	73-SCG	
74-BAI-4	73-FAB	72-MAO	71-TAY-2	62-BAI-3	74-GOM	72-MET	74-SCG-2	
74-BAI-5	45-FIB	72-MAY	73-TAY	63-BAI	45-HAM	74-MET	49-SCK	
74-BAI-6	74-FIL-2	68-MCB	56-THO-2	63-BAI-2	47-HAM	71-MIS	68-SCL	
74-BAI-7	53-FIN	66-MCR	67-THO	64-BAI	53-HAM	61-MOP	71-SCR	
58-BAL	45-FIR	71-MIS	64-THR	66-BAI	74-HAN	67-MOP	73-SEL	
61-BAL	45-HAM	72-MOR	65-TOM	68-BAI	75-HAN	61-MOW	68-SIK-2	
62-BAL-2	48-HEL-2	73-MOR-3	66-TRE	69-BAI	68-HAS	61-NAT	65-SMH	
45-BAR	66-INT	69-MOS-3	62-TSE	70-BAI	74-HEA	68-NEL	68-SMV	
72-BAX	72-INT	72-MOS	66-TSE	70-BAI-2	69-HEI	67-NEO	72-SMV	
66-BEA	71-JAM	47-MUN	68-TUR-2	70-BAI-4	71-HEI	74-NEV	71-STA	
59-BEL	72-JAM	57-NEF	67-VAU	71-BAI	72-HEI	72-NOL	75-STH	
60-BEL-2	72-JAM-2	68-NEL	72-VAU	73-BAI	61-HOR	73-NOL	75-STH-2	
61-BEL	46-JAO	74-NEV	73-VAU	74-BAI	71-HOW	73-NOL-2	73-STJ	
62-BEL	72-JEC	45-NIC-2	73-VAU-2	74-BAI-2	66-INT	73-NOL-3	63-STK	
62-BEL-3	72-JEW	62-NIF	71-VOL	74-BAI-3	72-INT	72-NOR	69-STK	
62-BEL-4	67-JOI	72-NIF	74-VOL-2	74-BAI-5	72-JEC	73-NOR	68-STU	
62-BEL-5	74-JOR	63-NOR-2	75-VOL	74-BAI-6	72-JEW	74-NOR	70-STU	
64-BEL-2	72-JOY	72-NOR	72-WAR	74-BAI-7	67-JOI	75-NOR	73-STU	
68-BEM	73-KEC	73-NOR	53-WEK	66-BEA	69-JOL	73-PAF	73-STU-2	
65-BEN	71-KER	74-NOR	53-WEK-2	72-BIS	70-JOL	71-PAI	62-SWA	
72-BIS	72-KHA-2	75-NOR	54-WEK	73-BIS	72-JOL	73-PAK	68-SWI	
73-BIS	65-KHO	56-OAK	55-WEK-2	59-BOE	72-JOL-2	72-PAM	74-TAM	
67-BLE	66-KHO	71-OSA	56-WEK	74-BRA	74-JOL	62-PAR	74-TAM-2	
69-BLE	74-KOE	71-OSA-3	66-WID	73-BRI	74-JOR	64-PAR	75-TAM	
69-BLE-2	58-KON	73-PAF	59-WIL	69-BUL	74-KAN	65-PAR	64-TAY	
71-BLE	62-KON	73-PAK		72-BUS	69-KAP	69-PAR	73-TAY	
61-BOG	62-KON-2	72-PAR		71-CAF	68-KAR	71-PAR	64-TAU	
62-BOG	63-KON	64-PIJ		68-CAS	73-KEC	72-PAR	59-TEM	
45-BRM	63-KON-2	64-RAH		63-CAT	61-KIN	74-PAR	60-TEM	
59-BUK	61-KOS	64-ROB		64-CLA	74-KOE	72-POE	73-TES	
61-BUK	64-KOS	56-ROS-2		64-CLA-2	69-KOT	74-POE	58-THO	
62-BUK	68-KOS	45-RUE		65-CLA	71-KOT	75-RAB	67-THO	
69-BUK	71-KOS	60-RYS		66-CLA	72-KOT	69-RAM	72-THO-2	
74-BUK	64-KUD	61-RYS		72-CRD	70-KUN	70-RAM	74-THO	
69-BUL	63-LAF	62-RYS		73-CRD	70-KUN-2	68-RIC	64-THR	
72-BUL	74-LAF	62-RYS-2		75-CRD	70-KUN-3	70-RIC	72-THR-2	
72-BUL-4	74-LAF-2	72-SAN		73-DAG	71-KUN	64-ROB	72-THR-3	
62-BUS	74-LAF-3	74-SCA		75-DAG	74-LAF	64-SAB	63-TOM	
47-CAR	65-LAG	73-SCG		75-DAG-2	74-LAF-2	68-SAM	64-TOM	
68-CHI	67-LAG	55-SCH		72-DIL	65-LAG	68-SAN	71-TRN	
70-CHI	45-LAN	56-SCH		72-DIX	71-LAG	68-SAN-2	73-VAU	
70-CHI-2	51-LAN	68-SCL		59-DOC	72-LAG-2	69-SAN	73-VAU-2	
45-COK	59-LAN	73-SEL		64-DOL	59-LAN	69-SAN-2	66-VER-2	
74-CRD	60-LAN	69-SEV		71-DOL	60-LAN	69-SAN-3	71-VOL	
75-CRD	62-LAN	46-SNR		72-DOL	62-LAN	70-SAN	72-WAR	
74-DAN	64-LAN	64-SNY-2		72-DUC	64-LAN	70-SAN-2	72-WAR-2	

PHYSICAL STATE

Particles				Polymeric Behavior				Specific Activity
47-ABR	65-CLA	74-HEA-2	71-MAO-2	68-SAM	64-TAU	70-AND	64-MAR	70-ADM
68-ADE	66-CLA	69-HEI	72-MAO	68-SAN	74-TEA	62-BAI-3	72-MAY	75-ADM
73-ADE	45-COK	71-HEI	67-MAT	68-SAN-2	59-TEM	74-BAI	72-MAY-2	74-ANE
70-ADM	72-CRD	72-HEI	69-MAT	69-SAN	60-TEM	74-BAI-2	75-MOG	73-BAI
74-ALB	73-CRD	68-HOD	72-MCR	69-SAN-2	67-THC	74-BAI-4	72-MOS-4	74-BAI-2
64-ANB	74-CRD	70-HOL	72-MCR-2	69-SAN-3	58-THO	67-BAL	73-MOS-3	74-BAI-3
67-ANB	75-CRD	71-HOL	72-MET	70-SAN	66-THO	45-BAR	72-NAT	74-BAI-4
74-ANE	73-DAG	68-HOR	74-MET	70-SAN-2	67-THO	73-BAX	67-NEO	74-BAI-5
73-ANS	75-DAG	71-HOW	71-MIS	70-SAN-3	74-THO	62-BEL	72-OVC	74-BAI-6
69-ANT	75-DAG-2	71-HUN	74-MIW	70-SAN-5	74-THO-2	73-BIS	71-POL	74-BAI-7
52-ASL	61-DAV	71-HUN-2	70-MOH	71-SAN	64-THR	74-BUK	64-RAH	67-BAL
66-BAC	69-DEA	66-INT	61-MOP	71-SAN-2	72-THR-2	68-BUL-2	60-ROS	72-DIX
60-BAI	72-DIX	72-INT	67-MOP	72-SAN	72-THR-3	69-BUL	67-ROS	74-DUR-2
61-BAI	59-DOC	69-IRA	73-MOS-3	73-SAN	64-TOM	72-BUL	68-ROS	72-EDL-2
61-BAI-2	64-DOL	70-JAM	61-MOW	73-SAN-2	71-TRN	72-BUL-2	68-ROS-2	74-EMR
61-BAI-3	71-DOL	67-JOI	61-NAT	73-SAN-4	66-TYL	72-BUL-4	69-ROS-2	74-EMR-2
61-BAI-4	72-DOL	72-JOL	75-NEA	74-SAN	74-UNE	63-CAT	72-ROS	75-FLE
61-BAI-5	72-DOL-2	74-JOR	68-NEL	74-SAN-2	72-UNS	45-COK	72-ROS-2	74-HAN
62-BAI	74-DOL	71-JOS	67-NEO	75-SAN	71-VAN	74-DAN	73-ROS	75-HAN
62-BAI-2	73-DUR	74-KAN	74-NEV	75-SAN-2	71-VAN-2	71-DOL	73-SAN-2	74-HEA
62-BAI-3	74-DUR-2	75-KAS	71-NIF	74-SCA	65-VAU	73-DUR	50-SCH	72-INT
63-BAI	64-EAK	73-KEC	72-NIF-2	74-SCG-2	67-VAU	74-DUR-2	50-SCH-2	74-KAN
63-BAI-2	72-EDL	71-KEL	72-NOL	74-SCG-3	73-VAU	64-ERO	61-SCH-2	69-KAP
64-BAI	72-EDL-2	71-KER	73-NOL	64-SCJ	73-VAU-2	66-ERO	61-SCH-3	71-LAF
66-BAI	74-ELD	61-KIN	73-NOL-2	49-SCK	71-VOH	72-FIS	72-SCH	74-LAF
68-BAI	74-EMR-2	71-KOS	74-NOS	68-SCL	72-VOH-2	68-INT	71-SEI-2	72-LIN
69-BAI	64-ERO	72-KOS-2	74-NOS-2	71-SCR	74-WAC	72-INT	68-SIK	67-MAG
70-BAI	71-ERO	71-KOT	63-OLA	73-SEL	72-WAI	71-JAM	72-SIK	69-MAH-2
70-BAI-2	67-ETI	72-KOT	73-OSA	71-SHA-3	75-WAS	72-JEW	72-SIK-2	72-MCR-2
70-BAI-5	72-ETI	74-KRP	73-PAF	67-SHL	71-WEH	71-JOS	65-SMH	75-MOG
71-BAI	64-EVI	70-KUN	68-PAG	68-SHL	64-WES	71-KAS	72-SMV	67-MOP
73-BAI	67-FIS	70-KUN-2	73-PAK	70-SHL	74-WHF	72-KAS	62-STB-2	72-MOR
74-BAI	72-FIS	70-KUN-3	72-PAM	70-SHL-2	59-WIL	75-KAS	75-STH	68-MOY
74-BAI-2	75-FLE	71-KUN	62-PAR	70-SHL-3	67-WIR	73-KEC	75-STH-2	72-NEO
74-BAI-3	68-FOW	74-LAE	64-PAR	68-SIK-2	68-WIR	72-KHA-2	73-STJ	69-PAR
74-BAI-5	67-FRD	74-LAF	65-PAR	71-SPI	74-WRE	74-KHA	75-STW	72-PAR
74-BAI-6	65-FUQ	74-LAF-2	69-PAR	68-STB	74-YOD	74-KOE	70-TAS	74-PAR
74-BAI-7	72-GAV	74-LAF-3	71-PAR	72-STB-2	69-ZAL	59-LAN	62-TAY-2	68-RIC
74-BAN	74-GAV	56-LAN	72-PAR	75-STH	72-ZAL-3	64-LAN	69-TAY-3	70-RIC
74-BEG	68-GES	59-LAN	74-PAR	75-STH-2	72-ZAY	69-LAN	71-TAY-2	73-SAN-2
74-BEG-2	68-GES-2	60-LAN	72-POE	73-STJ-3	72-ZAY-2	61-LEM	72-TAY	73-SAN-3
73-BIS	74-GIL	64-LAN	74-POE	74-STJ	73-ZAY	62-LEM-2	72-TAY-2	73-SAN-4
59-BOE	70-GJO	68-LAN	71-PRI	63-STK	70-ZLO	71-LEV-2	73-TAY	74-SAN
74-BRA	67-GLA	69-LAN	73-PRI-2	65-STK	71-ZLO	60-LIN	73-TAY-2	64-SMV-2
73-BRI	75-GOF	70-LAN	72-PUZ	69-STK	71-ZLO-2	62-LIN	67-THO	72-SMV
75-BRI	75-GOF-2	72-LAN	75-RAB	69-STK-2		65-LIN	74-THO	73-STJ
74-BRJ	72-GOM	70-LEJ	70-RAM	68-STU		68-LIN	71-TRN	67-THO
67-BRT	73-GOM	74-LEJ	72-RAM	73-STU		68-LIN-2	68-TUR-2	74-THO
69-BUK	74-GOM	61-LEM	68-RIC	73-STU-2		69-LIN	47-VAL	71-VAN-2
69-BUL	74-GRO	62-LEM	70-RIC	64-STW		72-LIN	67-VAU	73-VAU
72-BUL-4	75-GUD	72-LEV-2	74-RIC	69-TAG-3		72-LIN-2	73-VAU	70-YUI
72-BUS	75-HAI	68-LIA	74-RIC-2	71-TAG		69-MAH-2	73-VAU-2	
71-CAF	45-HAM	71-LON	64-ROB	72-TAG		74-MAH	71-VOL	
60-CAS	47-HAM	70-LUT	70-ROM	72-TAG-2		69-MAJ	72-ZAL-3	
68-CAS	53-HAM	67-LYU	73-ROM	72-TAG-3		73-MAJ		
63-CAT	72-HAN	72-LYU-2	75-ROM	74-TAM		74-MAL		
68-CHA	74-HAN	72-LYU-3	72-ROQ	74-TAM-2		71-MAO		
69-CHA	75-HAN	70-MAE	70-RUD	74-TAM-3		71-MAO-3		
69-CHA-2	72-HAR	67-MAG	71-RUD	75-TAM		72-MAO		
64-CLA	71-HEA-2	67-MAN	71-RYS	72-TAS		62-MAR		
64-CLA-2	74-HEA	71-MAO	64-SAB	64-TAY		63-MAR		

DISPERSAL MODE

Fallout			Industrial		Accidents			
63-ALE	67-MAG	71-VOH	64-ANB	74-POE	75-ADM	74-GIL-2	65-LAG	56-PAK
68-ALK	69-MAG	74-VOH	61-BAI-5	71-PRI	71-ALD	74-GIL-3	67-LAG	72-PAK
70-ARK	67-MAT	74-WHF	74-BAI	58-PRW	70-ALV	70-GJO	67-LAG-2	73-PAK
74-BAI	69-MAT	71-WON	74-BAN	70-PUR	70-ANH	75-GOF-2	69-LAG	71-PER
74-BAI-2	70-MAY	71-WON-2	75-BRI	57-RHD	70-ARK	73-GOM	71-LAG	64-PIJ
74-BAI-3	71-MIC	67-WOR	67-BRT	68-SCL	71-ARK	72-GOM	72-LAG	64-PLO
67-BAJ	72-MIC	73-WOS	72-BUS	74-SCU	72-ARK	56-GRA	72-LAG-2	72-POE
74-BAN	62-MIH	74-WRE	71-CAF	73-SEL	70-BAI-5	71-HAE	73-LAG	74-POE
74-BEG	74-MIW	74-YOD	69-CHA	71-SHA	74-BAI	72-HAN	56-LAN	65-PUT
74-BEG-2	68-MIY		69-CHA-2	71-SHA-2	74-BAI-3	74-HAN	57-LAN	69-RAM
74-BEG-3	68-MIY-2		70-COL	71-SHA-3	58-BAK	72-HAR	59-LAN	70-RAM
71-BOW	70-MIY		64-COS	71-SOU	68-BRH	73-HAR	60-LAN	74-RIC
69-BUL	71-MIY		58-DAJ	75-STH-2	68-BRO	74-HAR	62-LAN	74-RIC-2
74-BUR	74-MOL		56-DUH	73-STJ-3	72-BRO	64-HAS	64-LAN	64-ROB
73-CAM	74-MUH		71-DUL	67-THC	72-BRP	68-HAS	66-LAN	70-ROD
74-CHD	75-NEA		73-DUR	74-UNE	67-BRT	71-HAS	68-LAN	58-ROE
65-CHE	68-NEW		74-ELD	64-UNR	69-BUL	71-HAY	69-LAN	62-ROE
65-COM	68-NGY		74-EMR	71-VAN-2	74-BUR	57-HEA	70-LAN	68-ROG
71-COR	72-NOR		74-EMR-2	71-VOH	71-CAF	74-HEA-2	68-LAR	70-ROM
64-COS	71-NOS		67-ETI	74-VOH	72-CAL	68-HEI	63-LIA	72-ROM
68-DEB	72-NOS		56-FAD	71-WAF	73-CAM	69-HEI	64-LIA	68-RON
69-DEB	72-NOS-2		72-FIS	74-WEB	69-CHA	71-HEI	68-LIA	74-ROX
69-DEB-2	74-NOS		74-FOL	74-WHF	69-CHA-2	72-HEI	73-LOW	72-RUN
72-DIX	74-NOS-2		63-FOS	71-WON-2	45-COK-2	53-HEM	73-LOW-2	74-RUN
73-EIS	73-OKA		72-GAV	74-WRE	70-COL	73-HEM	62-LUS	60-SAM
63-FOS	63-OLA		74-GAV	74-YOD	65-COM	73-HEM-2	67-LUS	61-SAM
61-FRJ	63-OSB		73-GIL		72-CON	74-HEM	70-MAE	74-SAM
75-GOF	73-PAK		74-GIL-2		69-DEN	71-HES	67-MAN	72-SAN
75-GOF-2	64-PEN		74-GIL-3		72-DIX	68-HOD	75-MCL	58-SCF
74-GRO	72-PET		74-HAK-2		56-DOB	73-HOE	72-MCR	68-SCF
75-GUD	64-PIL		74-HAN		56-DOC	69-HOJ	71-MIC	69-SCG
71-HAE	72-POE		75-HAN		58-DOC	68-HOR	72-MIC-2	73-SCG
74-HAK-1	74-POE		74-HAP		58-DOC-2	71-HUN	73-MIC	74-SCG
72-HAN	71-PRI		68-HAS		59-DOC	71-HUN-2	62-MIH	74-SCG-2
74-HAN	73-PRI-2		71-HAS		64-DOL	68-IRA	72-MIL	51-SCH-3
75-HAN	70-PUR		68-HOR		71-DOL	69-IRA	64-MIS	55-SCH
71-HAR	74-RIC		74-HOV		65-DOW	71-JEA	71-MIS	56-SCH
72-HAR	74-RIC-2		71-JOR		72-DOW	69-JEC	70-MIY	72-SCH
72-HAR-2	72-ROM		74-JOR		71-DRE	72-JEC	74-MOA	68-SCL
73-HAR	75-ROM		74-KRP		72-DUC	68-JOH	72-NEL-2	71-SCR
74-HAR	72-ROQ		73-KUB		71-DUL	67-JOI	68-NEW	73-SEL
62-HIL	71-SAK		68-LAN		71-DUR	72-JOL	72-NOJ	71-SHA-2
68-HOD	71-SAK-2		71-LAN		72-DUR-2	74-JOL	56-NOR	71-SHA-3
69-HOJ	64-SCJ		74-LIR		73-DUR	68-JON	56-NOR-2	71-SHE
75-HOM	67-SHL		70-MAE		64-EAK	71-JOR	58-NOR	67-SHL
73-HOV	68-SHL		75-MCL		73-EIS	74-JOR	60-NOR	70-SHL
74-HOV	70-SHL		71-MIC		67-ETO	74-KAN	62-NOR-2	70-SHL-2
70-INO	70-SHL-2		72-MIC-2		71-FAS	68-KAR	62-NOR-3	61-SHT
71-JOR	70-SHL-3		73-MIC		72-FIS	73-KEC	62-NOR-4	72-SMV
67-KAU	70-SMO		64-MIS		56-FOR-2	71-KER	63-NOR	64-SNY
70-KEN	73-STJ-3		71-MIS		58-FOR	71-KIE	63-NOR-2	73-STJ-3
71-KEN	71-TAK		74-MIW		60-FOR	61-KIN	69-NOR	62-SWA
69-KLE	72-TAK		74-MOA		60-FOR-2	71-KIY	72-NOR-2	64-SWA
62-KLO	74-TAM		68-MOY		63-FOR	69-KLE	73-NOR	74-TAM
62-KRP	68-TAR		72-NAT		68-FOW	68-KOC	74-NOR	74-TAM-2
67-KRP	60-THO		58-NOR		65-FUQ	74-KOE	68-ODL	74-TAM-3
70-KRP	67-THO		72-NOR-2		72-GAV	69-KOT	68-ODL-2	75-TAM
74-KRP	72-THO-2		71-PAI		74-GAV	67-KRP	71-OHL	72-TES
68-LAN	74-TUL		73-PAK		57-GEI	74-KRP	71-OHL-2	73-TES
69-LAN	73-UNI		74-PIG		73-GIL	63-LAF	73-OHL	67-THC
70-LEI	72-UNS		72-POE		74-GIL	70-LAF	71-PAI	56-THO

DISPERSAL MODE

Accidents Site Specific Studies

67-THO	<u>Hanford</u>	74-TAM	Rocky	74-RIC-2	72-NOS-2
71-UNI		67-THO	<u>Flats</u>	67-THO	71-PAI
64-UNR	71-COR	74-WRE		74-WRE	72-PET
72-UNS	58-DAJ		73-BIS	74-YOD	72-ROM
60-VAJ	74-EMR	<u>Mound</u>	70-COL		72-ROQ
69-VAN	74-EMR-2		73-EIS	<u>Pacific</u>	73-STJ-3
71-VAN	63-FOS	70-ANH	75-GOF-2	<u>Islands</u>	72-UNS
71-VAN-2	73-GIL	72-EDL	75-HAN		74-VOH
73-VAU	72-HEI	72-EDL-2	71-HAR	75-GUD	74-WAC
66-VER	69-JEC	74-NOR	64-HAS	71-HED	74-WRE
71-VOH	69-KOT	72-NOS-2	68-HAS	75-NEA	74-YOD
72-VOH-2	59-LAN	74-RIC-2	71-HAS	74-NEV	
75-WAS	72-NEL-2	74-WRE	71-HUN	74-NOS-2	
71-WEG	68-NEW	74-YOD	74-JOR	73-UNI	
72-WHA	58-NOR		70-KRP	74-VOH	
56-WIH	72-NOR	<u>Nevada</u>	74-KRP	74-WAC	
56-WIH-2	73-NOR	<u>Test</u>	67-LAG	69-WEL	
59-WIH	74-NOR	<u>Site</u>	67-LAG-2	74-WRE	
59-WIH-2	72-NOS-2		69-LAG		
60-WIH	56-PAK	73-ANS	71-LAG	<u>Palomares</u>	
67-WIH	73-PAK	*73-BAI	72-LAG		
51-WIJ	71-PRI	74-BAI	72-LAG-2	75-ADM	
72-WRE	73-PRI-2	*58-BAK	73-LAG	70-ALV	
74-WRE	57-RHD	74-BEG-3	70-MAE	74-BAI	
74-YOD	74-RIC-2	*69-BRE	67-MAN	74-BEG-3	
	73-SEL	71-BUJ	70-MIC	71-BUJ	
	56-THO	75-HAN	72-MIC-2	68-FOW	
	58-THO	72-HAR-2	73-MIC	74-HAN	
	67-THO	74-HAR	72-NOR	75-HAN	
	60-VAJ	74-HEA	73-NOR	68-IRA	
	56-WIH	*68-JOH	74-NOR	69-IRA	
	56-WIH-2	*71-JOR	71-PAI	71-JOR	
	59-WIH	*74-JOR	73-PAK	74-JOR	
	59-WIH-2	61-LAK	72-POE	68-LAN	
	60-WIH	*66-LAN	74-POE	69-LAN	
	74-WRE	*68-LAN	71-PRI	68-ODL	
	74-YOD	*69-LAN	73-PRI-2	68-ODL-2	
		70-MOH	74-RIC	68-ROG	
	<u>Los</u>	*74-NEV	74-RIC-2	72-ROM	
	<u>Alamos</u>	*63-OLA	73-SEL	73-STJ-3	
		*68-PAG	71-SHA-3	72-UNS	
	75-GOF-2	71-PRI	73-STJ-3	74-WAC	
	74-HAK-1	73-PRI-2	74-TAM	74-WRE	
	74-HAK-2	*70-ROM	75-TAM	74-YOD	
	74-HAN	72-ROM	71-VOH		
	74-HEA-2	73-ROM	72-VOH-2	<u>Thule</u>	
	53-HEM	*75-ROM	74-WAC		
	73-HEM	*58-SHR	74-WHF	70-ARK	
	73-HEM-2	*73-STJ-3	74-WRE	71-ARK	
	74-HEM	*65-STK	74-YOD	72-ARK	
	74-JOL	*69-STK-2		72-DIX	
	70-KEN	67-THO	<u>Savannah</u>	70-GJO	
	71-KEN	*74-WAC	<u>River</u>	72-HAN	
	56-LAN	*75-WAS		74-HAN	
	59-LAN	*60-WIR	72-JOY	75-HAN	
	62-LAN	*65-WIR	75-MCL	71-JOR	
	69-MOW	*67-WIR	68-MOY	74-JOR	
	74-NOR	*68-WIR	72-NOR	68-KOC	
	70-PUR	74-WRE	74-NOR	68-LAN	
	74-RIC-2		72-NOS-2	70-LAN	

* Includes "safety shot" data

EXPOSURE MODE

Inhalation or Intratracheal

Ingestion

45-ABR	69-BUL	63-FOR	73-KAS	64-LYU	74-NEV	74-RUN	62-SWA	69-BAI
46-ABR	70-BUL	65-FUQ	73-KEC	65-LYU	72-NIF	71-RYS	68-SWI	70-BAI-5
47-ABR	71-BUL-2	72-GAV	71-KEL	66-LYU	72-NOL	68-SAM	74-TAM	74-BAI
74-ALB	72-BUL	74-GAV	71-KER	66-LYU-2	73-NOL	74-SAM	74-TAM-2	74-BAI-2
71-ALD	62-BUS	68-GES	68-KIE	67-LYU	73-NOL-2	68-SAN-2	74-TAM-3	74-BAI-5
72-ALD	72-BUS	68-GES-2	71-KIY	68-LYU	73-NOL-3	69-SAN-2	75-TAM	58-BAL
67-ANB	71-CAF	74-GIL	74-KOE	69-LYU	56-NOR	70-SAN-2	64-TAU	62-BAL-2
74-ANE	73-CAG	74-GIL-2	68-KOS	69-LYU-3	56-NOR-2	70-SAN-3	64-TAY	72-BAL-2
70-ANH	60-CAS	70-GJO	69-KOS	72-LYU	58-NOR	70-SAN-5	72-TAY-2	74-BAN
69-ANT	68-CAS	75-GOF	71-KOS	72-LYU-2	59-NOR	71-SAN	74-TEA	72-BAX
72-ARI	63-CAT	75-GOF-2	71-KOS-2	72-LYU-3	62-NOR	71-SAN-2	59-TEM	74-BEG-2
52-ASL	58-CLA	72-GON	72-KOS	70-MAE	62-NOR-2	72-SAN	60-TEM	74-BEG-3
66-BAC	64-CLA	71-HAE	72-KOS-2	67-MAG	62-NOR-3	73-SAN-2	71-TES	60-BEL
60-BAI	64-CLA-2	75-HAI	72-KOS-3	68-MAI	62-NOR-4	73-SAN-4	72-TES	60-BEL-2
61-BAI	65-CLA	44-HAM	73-KOS	67-MAN	63-NOR-2	74-SAN	56-THO	61-BEL
61-BAI-2	66-CLA	44-HAM-2	74-KOS	71-MAO-2	69-NOR	74-SAN-2	56-THO-2	62-BEL-4
61-BAI-3	45-COK	45-HAM	69-KOT	72-MAO	72-NOR	75-SAN	58-THO	64-BEL-3
61-BAI-4	45-COK-2	45-HAM-2	71-KOT	71-MAS	73-NOR	75-SAN-2	60-THO	69-BRE
61-BAI-5	64-COS	47-HAM	72-KOT	71-MAV	74-NOR	68-SCF	66-THO	75-BRI
62-BAI	72-CRD	53-HAM	62-KRP	70-MAY	75-NOR	74-SCG-2	67-THO	68-BUL
62-BAI-2	73-CRD	74-HAP	67-KUD	72-MAY	68-ODL	74-SCG-3	68-THO	68-BUL-2
62-BAI-3	74-CRD	68-HAS	69-KUD	70-MCO	68-ODL-2	51-SCH	72-THO-2	69-BUL
63-BAI	75-CRD	72-HAX	72-KUD	66-MCR	73-OKA	55-SCH	74-THO	71-BUL-4
63-BAI-2	61-DAV	57-HEA	70-KUN	72-MCR	63-OLA	56-SCH	64-THR	72-BUL-5
64-BAI	69-DEA	71-HEA	70-KUN-2	72-MCR-2	71-OSA-2	64-SCJ	68-THR	68-BUS
66-BAI	70-DEA	74-HEA	70-KUN-3	72-MET	73-OSA	46-SCK	70-THR	73-CAG
68-BAI	72-DIL	74-HEA-2	71-KUN	74-MET	63-OSB	46-SCK-2	72-THR	47-CAR
69-BAI	58-DOC	68-HEI	73-LAD	68-MOE-2	43-OVE	49-SCK	72-THR-2	63-CAT
70-BAI	59-DOC	69-HEI	74-LAE	61-MOP	73-PAF	71-SCR	72-THR-3	58-CLA
70-BAI-2	74-DOE-2	71-HEI	70-LAF	67-MOP	68-PAG	71-SEA-2	63-TOM	64-COS
70-BAI-4	64-DOL	72-HEI	71-LAF	71-MOR	44-PAK	74-SEA	64-TOM	71-DOL
70-BAI-5	71-DOL	53-HEM	74-LAF	72-MOR	56-PAK	73-SEL	66-TRE	72-DOW
71-BAI	72-DOL	73-HEM	74-LAF-2	73-MOR-3	73-PAK	68-SHL	68-TSE	74-DUC
73-BAI	72-DOL-2	73-HEM-2	74-LAF-3	63-MOS	72-PAM	70-SHL	69-TSE	64-DUN
74-BAI	74-DOL	74-HEM	65-LAG	67-MOS-2	62-PAR	70-SHL-2	70-TSE	73-DUR
74-BAI-2	65-DOW	72-HEN	69-LAG	69-MOS	64-PAR	70-SHL-3	71-TSE	74-DUR-2
74-BAI-3	72-DOW	70-HOL	71-LAG	69-MOS-2	65-PAR	58-SHR	73-UNI	62-ERD
74-BAI-5	72-DUC	71-HOL	72-LAG-2	69-MOS-3	69-PAR	65-SMH	72-UNS	64-EVI
74-BAI-6	74-DUC	71-HOW	56-LAN	71-MOS-2	71-PAR	75-SMH	69-VAN	47-FIN
74-BAI-7	71-DUL	72-HUF	57-LAN	72-MOS	72-PAR	70-SMO	71-VAN	47-FIN-2
62-BAL-2	64-DUN	71-HUT	59-LAN	72-MOS-4	74-PAR	72-SMV	71-VAN-2	47-FIN-3
72-BAL-2	71-DUR	66-INT	60-LAN	73-MOS-3	64-PEN	64-SNY	73-VAU	72-FIS
74-BAN	72-DUR-2	68-INT	62-LAN	73-MOS-4	71-PER	64-SNY-2	73-VAU-2	55-FOR
64-BEA	73-DUR	68-INT-2	64-LAN	74-MOS-3	73-POL	73-SOL	72-VOH-2	56-FOR-2
73-BEA	74-DUR-2	71-INT	66-LAN	45-MUR	74-POM	68-SPI	71-VOL	57-FOR
74-BEG	64-EAK	72-INT	68-LAN	69-MUS	73-POV	71-STA	72-WAI	63-FOS
74-BEG-3	64-EHR	69-IRA	69-LAN	72-MUS	71-PRI	72-STB-6	68-WAL	65-FUQ
64-BEL-2	73-EIS	71-JEA	71-LAN	72-MYE	73-PRI-2	75-STH	75-WAS	71-HAE
68-BEV	64-ERO	69-JEC	72-LAN	61-NAT	72-PUZ	75-STH-2	71-WEH	44-HAM
73-BIS	69-ERO	72-JEC	74-LAW	71-NED	70-RAM	73-STJ	64-WES	44-HAM-2
59-BOE	71-ERO	72-JEW	71-LEV	72-NED	72-RAM	73-STJ-2	67-WIH	47-HAM
67-BOS	64-EVI	72-JOL	71-LEV-3	68-NEL	70-RIC-2	73-STJ-3	59-WIL	48-HAM
67-BOU	71-FAS	74-JOR	72-LEV	69-NEL	74-RIC	63-STK	60-WIR	49-HAM
71-BOU	74-FIL	64-KAL	72-LEV-2	72-NEL	74-RIC-2	65-STK	67-WIR	71-HEA
69-BRE	74-FIL-2	68-KAL	74-LEV	67-NEO	64-ROB	69-STK-2	68-WIR	74-HEA
73-BRI	72-FIS	69-KAL	64-LIA	71-NEO	70-ROM	68-STU	72-WRE	73-HEM
74-BRJ	55-FOR	72-KAL	68-LIA	71-NEO-2	72-ROM	70-STU	70-YUI	73-HEM-2
68-BRO	58-FOR	72-KAL-2	59-LIS	71-NEO-3	68-RON	73-STU-2	68-ZAL	74-HEM
72-BRP	60-FOR	72-KAL-3	71-LON	71-NEO-4	60-ROS	64-STV	72-ZAY	75-HOM
67-BRT	60-FOR-2	74-KAN	73-LOW	72-NEO	68-RUN	74-SUR	72-ZAY-2	72-HUF
74-BUK	62-FOR-2	74-KAO	70-LUT	72-NEO-2	72-RUN	71-SUZ-2	73-ZAY	68-INT-2

EXPOSURE MODE

Ingestion		Intramuscular or Wound				Percutaneous		
71-INT	71-SEA-3	52-ASL-2	61-FIN	67-LAG-2	56-OAK	58-THO	75-ALM	65-LAG
72-INT	72-SEA	62-BAI	72-FIS	69-LAG	71-OHL	67-THO	69-BAI	67-LAG
72-JEW	73-SEA	69-BAI	55-FOR	71-LAG	71-OHL-2	74-THO	74-BAI	67-LAG-2
55-KAT	73-SHU	70-BAI-5	56-FOR-2	72-LAG	73-OHL	66-TYL	74-BAI-2	59-LAN
67-KAU	68-SIK-2	74-BAI	58-FOR	72-LAG-2	63-OLA	60-VAJ	74-BAI-5	60-LAN
73-KEC	72-SIK	74-BAI-2	60-FOR-2	46-LAH	46-PAE	47-VAL	57-BAL	64-LAN
71-KIY	72-SIK-2	74-BAI-5	63-FOR	59-LAN	62-PAH	72-VAU	61-BAL	69-LAN
74-KOE	68-SMV	61-BAL	65-FUQ	60-LAN	72-PAH	73-VAU	67-BUL	63-LIA
65-LAG	72-SMV	64-BEA	57-GEI	62-LAN	44-PAK	73-VAU-2	69-BUL	64-LIA
46-LAH	46-SNR-3	73-BEA	72-GOM	64-LAN	56-PAK	66-VER-2	71-BUL-3	62-LUS
59-LAN	73-SOL	72-BIS	73-GOM	69-LAN	73-PAK	71-VOL	72-BUL-2	67-LUS
60-LAN	68-SPI	73-BIS	74-GOM	68-LAR	71-PER	74-VOL	72-BUL-4	74-MAD
64-LAN	71-STA	69-BLE	44-HAM	74-LAW	64-PIJ	74-VOL-2	62-BUS	67-MAO
69-LAN	72-STB-6	69-BLE-2	44-HAM-2	70-LEJ	73-POL	75-VOL	62-CAB	72-MAO
64-LIA	73-STJ-2	71-BLE	47-HAM	74-LEJ	65-PUT	68-WAL	45-COK	66-MCR
67-MAG	64-STV	48-BLO	48-HAM	64-LEU	48-RHO	70-WAR	64-COS	68-MOE
68-MAI	57-SUL	48-BLW	49-HAM-2	64-LIA	74-RIC	72-WAR	74-CRD	68-MOE-2
72-MAY	60-SUL	45-BRM	53-HAM-2	47-LIS	74-RIC-2	72-WAR-2	69-DEA	72-MOS
66-MCR	64-TAU	47-BRM	64-HAS	53-LIS	64-ROB	55-WEK-2	56-DOC	57-NEF
68-MOE-2	62-TAY-2	72-BRP	71-HEA	73-LOW	58-ROE	56-WIH-2	58-DOC	45-NIC-2
64-MOS	64-TAY	67-BUL	74-HEA	62-LUS	68-RON	59-WIH	58-DOC-2	56-NOR
67-MOS-2	56-THO	69-BUL	74-HEA-2	67-LUS	60-ROS	59-WIH-2	59-DOC	62-NOR-2
69-MOS-3	58-THO	71-BUL-3	68-HEI	68-MAI	45-RUE	60-WIH	71-DOL	62-NOR-4
72-MOS	60-THO	72-BUL-2	69-HEI	71-MAO	61-SAM	67-WIH	65-DOW	72-NOR
73-MOS	66-THO	72-BUL-4	71-HEI	72-MAO	74-SCA	51-WIJ	72-DOW	56-OAK
73-NEC-3	67-THO	62-BUS	72-HEI	72-MAY	68-SCF	59-WIL	72-DUC	71-OSA
67-NEO	68-THO	62-CAB	73-HEM	68-MCB	69-SCG	72-WRI	71-DUR	71-OSA-3
74-NEV	73-VAU	73-CAG	73-HEM-2	66-MCR	73-SCG	72-ZAL	73-DUR	73-PAK
71-NIF	73-VAU-2	45-COK	74-HEM	68-MOE	74-SCG		70-ERS	65-PUT
56-NOR	71-VOL	45-COK-2	71-HES	68-MOE-2	74-SCG-2		74-ERS	74-RIC
56-NOR-2	56-WEK	47-COP	73-HOE	71-MOR	55-SCH		45-FID	61-SAM
59-NOR	67-WIH	64-COS	65-HSI	72-MOR	56-SCH		56-FOR-2	48-SCK
62-NOR	51-WIJ	73-DAG	72-HUF	73-MOR	46-SCK-2		58-FOR	48-SCK-2
62-NOR-2	59-WIL	75-DAG	68-INT	73-MOR-2	48-SCK		60-FOR-2	49-SCK-2
62-NOR-4	60-WIR	75-DAG-2	68-INT-2	73-MOR-3	48-SCK-2		65-FUQ	74-SMV
63-NOR	68-ZAL	48-DEP	71-INT	74-MOR	49-SCK-2		56-GEO	48-SNI
69-NOR	69-ZAL	56-DOB	72-INT	71-MOS-2	75-SEI		57-GEO	64-STV
72-NOR		56-DOC	46-JAO	72-MOS	75-SMH		53-HAM-2	68-TAN
73-OKA		58-DOC	73-JAW	73-MOS-3	72-SMV		64-HAS	67-TAS
63-OLA		58-DOC-2	73-JAW-2	73-MOS-4	74-SMV		71-HAV	68-TAS
43-OVE		59-DOC	64-JEA	45-MUR	48-SNI		71-HEA	70-TAS
68-PAG		71-DOL	69-JEC	48-MUR	46-SNR		74-HEA	71-TAS
44-PAK		72-DOL-2	72-JEC	67-NEO	73-STJ		74-HEA-2	67-THO
56-PAK		74-DOL	72-JEW	70-NEO	62-STV		68-HEI	73-VAU
73-PAK		65-DOW	69-JOL	71-NEO-3	62-SWA		71-HEI	73-VAU-2
73-POV		72-DOW	70-JOL	71-NEO-5	64-SWA		72-HEI	68-WAL
71-PRI		72-DUC	70-JOL-2	72-NEO	68-SWI		65-HSI	70-WAR
73-PRI-2		74-DUC	72-JOL-2	72-NEO-2	74-TAM		72-HUF	53-WEK
68-RIC		64-DUN	74-JOL	45-NIC-2	74-TAM-2		74-ILY	53-WEK-2
64-ROB		60-DUR	68-JON	56-NOR	74-TAM-3		68-INT-2	54-WEK
70-ROM		61-DUR	72-JOY	56-NOR-2	75-TAM		72-INT	55-WEK-2
72-ROM		62-DUR	53-KAW	59-NOR	70-TAS		64-JEA	56-WIH
60-ROS		69-DUR	73-KEC	62-NOR	64-TAU		73-KEC	56-WIH-2
64-SAB		71-DUR	68-KIE	62-NOR-2	62-TAY		65-KHO	67-WIH
51-SCH		72-DUR-2	71-KIY	62-NOR-4	64-TAY		66-KHO	51-WIJ
55-SCH		73-DUR	74-KOE	63-NOR	67-TAY		72-KHO	59-WIL
56-SCH		74-DUR-2	63-LAF	63-NOR-2	69-TAY		74-KHO	
46-SCK-2		66-EPS	70-LAF	69-NOR	71-TAY-2		71-KIY	
48-SCK		67-ETO	71-LAF	72-NOR	72-TES		74-KOE	
48-SCK-2		45-FID	65-LAG	73-NOR	73-TES		63-LAF	
49-SCK-2		46-FID	67-LAG	74-NOR	56-THO		70-LAF	

EXPOSURE MODERepeated

73-ATK	62-RYS
66-BEA	62-RYS-2
73-BEA	71-RYS
74-BEG	60-SAM
65-BEN	69-TAY-2
61-BOG	74-TEA
62-BOG	67-THO
63-BOG	74-THO
74-BRJ	66-TRU
72-BRP	67-VAU
61-BUL	73-VAU
68-BUL-2	56-WEK
69-BUL	72-ZAL
69-BUL-2	
71-BUL-4	
72-BUL-3	
72-BUL-5	
72-BUS	
73-CAG	
63-CAT	
72-DRM	
73-FAB	
70-FAI	
70-FAI-2	
73-FRC	
68-INT-2	
71-INT	
68-KAL	
69-KAL	
55-KAT	
69-KOT	
69-KUD	
56-LAN	
57-LAN	
59-LAN	
62-LAN	
64-LAN	
66-LEM	
74-LEV-2	
75-LEV	
64-LYU-2	
66-LYU	
68-LYU	
69-LYU	
69-LYU-2	
69-LYU-3	
72-LYU	
72-MAY	
61-MOS	
63-MOS	
65-MOS-2	
65-MOS-3	
69-MOS-3	
73-MOS-2	
74-MOS-4	
72-MYE	
71-NIF	
74-POM	
68-RIC	
60-RYS	
61-RYS	

EXPERIMENTAL ANIMAL

<u>Dog</u>					<u>Hamster</u>		<u>Mouse</u>	
59-ARN	62-COH	64-JEW	72-NAB	70-STB	71-TRN	73-ADE	73-ATK	71-JOS
62-ARN	45-COK	69-JEW	75-NAB	71-STB	61-TWE	74-ANE	60-BAI	75-KAS
72-ATH	45-COK-2	71-JEW	61-NAT	72-STB-2	65-VAU	73-ATK	61-BAI	73-KEC
64-BAD	72-CRD	72-JEW	72-NIF	72-STB-3	71-VAU	74-BAI-3	61-BAI-4	45-LAN
60-BAI	73-CRD	72-JEW-2	69-NOM	72-STB-4	73-VAU	74-BAI-5	62-BAI-2	59-LAN
61-BAI-2	73-DAG	72-JEW-3	56-NOR	72-STB-5	73-VAU-2	71-BRA	69-BAI	65-LIN
61-BAI-3	75-DAG	53-JOF	59-NOR	72-STB-6	71-VOL	72-BRA	70-BAI	68-LIN
61-BAI-4	75-DAG-2	69-JOL	62-NOR-2	74-STB	54-WAG	74-BRA	73-BAI	68-LIN-2
62-BAI	72-DIL	70-JOL	72-NOR	65-STK	72-WAR	70-BUC	74-BAI	69-LIN
62-BAI-3	55-DOJ	70-JOL-2	63-OLA	69-STK-2	72-WAR-2	73-BUC	74-BAI-2	69-LIN-2
63-BAI	62-DOJ	72-JOL-2	46-PAE	68-STU	75-WAS	73-DUR	74-BAI-3	72-LIN
63-BAI-2	69-DOJ	71-JOR	62-PAR	70-STU	64-WES	72-HAZ	74-BAI-6	72-LIN-2
64-BAI	70-DOJ	72-KAL-2	64-PAR	73-STU	59-WIL	72-HAZ-2	74-BAI-7	47-LIS
66-BAI	71-DOJ	72-KAL-3	65-PAR	73-STU-2	67-WIM	74-HAZ	73-BAX	71-LOE
68-BAI	72-DOJ	71-KAV	69-PAR	61-STV	60-WIR	72-INT	73-BEY	66-LYU
69-BAI	64-DOL	73-KEC	71-PAR	62-STV	65-WIR	72-MCK	64-BLA	69-MAJ
70-BAI	71-DOL	71-KOT	72-PAR	64-STV	67-WIR	72-MCR	72-BLA	71-MAO
70-BAI-2	72-DOL	72-KOT	74-PAR	64-STW	68-WIR	71-MEW-3	74-BLM	71-MAO-3
70-BAI-4	73-DOL	72-KUD	72-PAZ	65-STW	70-YUI	72-MEW	48-BLO	72-MAO
70-BAI-5	74-DOL	45-LAN	72-PES-2	67-STW	69-ZAL	73-NIA	49-BLO	62-MAR
71-BAI	62-DOT	59-LAN	47-PRO	68-STW		74-SEI	47-BLW	63-MAR
73-BAI	62-DOT-2	62-LAN	49-PRO	69-STW		75-SEI-2	48-BLW	64-MAR
74-BAI	62-DOT-3	64-LAN	62-REH	72-STW		74-TAM-3	48-BLW-2	72-MAY
74-BAI-2	69-DOT	69-LAN	68-RIC	75-STW		75-TAM	48-BLW-3	72-MAY-2
74-BAI-3	71-DUR	70-LEJ	64-ROB	67-SWI		74-VOL-3	73-BRE	72-MCR
74-BAI-4	72-DUR-2	74-LEJ	69-ROL	68-SWI			45-BRM	71-MEW-3
74-BAI-5	73-DUR	64-LEM	56-ROS-2	72-SWI-2			47-BRM	45-MUR
74-BAI-6	74-DUR-2	72-LIN	60-ROS	62-TAD			51-BRM	48-MUR
74-BAI-7	68-ELI	71-LOE	72-RUD-2	62-TAG			69-BUL	48-MUR-2
72-BAL-2	62-ELK-2	72-LOE	74-RUD	62-TAG-2			72-BUS	61-NAT
45-BAR	63-ELK	71-LON	45-RUE	66-TAG			62-CAT	72-NAT
73-BAX	71-ELK	62-LOR	51-RUE	69-TAG			63-CAT	59-NOR
73-BAX-2	60-ERL	70-LOR	65-RUH	69-TAG-2			72-CHR	62-NOR-2
66-BEA	45-FID	72-LOR	60-RYS	69-TAG-3			45-COK	63-NOR-2
62-BED	61-FIN	72-LOR-2	61-RYS	71-TAG			72-DEF	69-NOR
69-BED	72-FIS	74-LOR	62-RYS	72-TAG			48-DEP	72-NOR
72-BIS	72-GAV	75-LOR	62-RYS-2	72-TAG-2			59-DOC	62-PAH
73-BIS	74-GAV	66-LYU	69-SAG	72-TAG-3			74-DOL	72-PAH
68-BLA	74-GIL	69-MAJ	68-SAM	74-TAG			73-DUR	72-PES-2
72-BLA	70-GJO	73-MAJ	70-SAN-3	74-TAM			60-ERL	48-PIE
61-BOG	75-GOF	70-MAV	71-SAN-2	74-TAM-2			45-FID	47-PRO
62-BOG	75-GOF-2	69-MAY	72-SAN	74-TAM-3			46-FID	49-PRO
63-BOG	62-GOL	70-MAY	74-SCA	64-TAY			47-FIN	73-RAH
45-BRM	72-GOM	72-MAY	74-SCG-2	72-TAY			47-FIN-2	48-RHO
69-BRU	73-GOM	72-MAY-2	47-SCH	72-TAY-2			47-FIN-3	64-ROB
69-BRU-2	74-GOM	72-MCR	49-SCH	56-THO			53-FIN	56-ROS-2
71-BRU	71-GRI	72-MCR-2	55-SCH	60-THO			56-FIN	60-ROS
72-BRU	74-HEA	61-MOP	56-SCH	66-THO			59-FIN	62-ROS
69-BUK	62-HER	67-MOP	72-SIK	67-THO			62-FIN	64-ROS
69-BUL	71-HOW	64-MOS	72-SMV	72-THO-2			68-FIN	67-ROS
72-BUL	71-HUT	67-MOS-2	64-SNY-2	74-THO			45-FIR	68-ROS
72-BUS	66-INT	69-MOS	71-SPI	64-THR			72-FIS	68-ROS-2
73-CAG	68-INT	69-MOS-3	71-STA	68-THR			70-HAL	69-ROS
68-CAS	72-INT	71-MOS-2	59-STB	70-THR			74-HEA	69-ROS-2
63-CAT	72-JAM	71-MOS-3	59-STB-2	72-THR			48-HEL	72-ROS
62-CHR	60-JEW	72-MOS	62-STB	72-THR-2			48-HEL-2	72-ROS-2
72-CHR	60-JEW-2	73-MOS-3	62-STB-2	72-THR-3			68-INT	73-ROS
64-CLA	61-JEW	74-MOS	63-STB	71-THU			72-INT	51-RUE
64-CLA-2	62-JEW	74-MOS-3	68-STB	73-THU			46-JAO	72-SAN
65-CLA	62-JEW-3	47-MUN	68-STB-2	63-TOM			71-JEW	61-SCH
66-CLA	62-JEW-4	45-MUR	69-STB	64-TOM			72-JEW	61-SCH-2

EXPERIMENTAL ANIMAL

Mouse	Primate	Rabbit	Rat					
69-SEV	73-BAI	74-BAI	70-MOH	45-ABR	47-BLW	64-ERO	64-KAL	62-LIB-2
69-SMH	74-BAI	74-BAI-2	67-MOS-2	46-ABR	48-BLW	66-ERO	68-KAL	74-LIK
72-SMV	74-BAI-2	74-BAI-3	69-MOS-3	47-ABR	65-BOC	69-ERO	69-KAL	60-LIN
48-SNI	74-BAI-3	74-BAI-5	71-MOS-2	68-ANE	70-BOC	71-ERO	72-KAL	62-LIN
46-SNR	74-BAI-5	74-BAI-6	69-MUS	74-ALB	59-BOE	64-FAB	74-KAO	72-LIN
46-SNR-2	74-BAI-6	74-BAI-7	72-MUS	74-ANE	50-BOY	73-FAB	71-KAS	47-LIS
46-SNR-3	74-BAI-7	62-BEL	74-NEM	69-ANT	50-BOY-2	45-FID	72-KAS	53-LIS
59-STB	72-CON	68-BEM	61-NIF	72-ARI	75-BRI	46-FID	55-KAT	59-LIS
72-STB-6	73-CON	67-BLE	62-NIF	51-ARN	45-BRM	74-FIL	55-KAT-2	59-LIT
73-STJ	74-CON	69-BLE	72-NOL	51-ARN-2	47-BRM	74-FIL-2	74-KAV	68-LOG
73-STU	61-DUR	69-BLE-2	73-NOL	56-ARN	51-BRM	47-FIN	50-KAW	71-LYA
73-STU-2	71-DUR	71-BLE	62-NOR-2	57-ARN	59-BUK	47-FIN-2	53-KAW	73-LYA
64-STV	72-DUR-2	45-BRM	72-NOR	52-ASL	68-BUK	45-FIR	58-KAW	64-LYU
59-TEM	73-DUR	51-BRM	63-OLA	52-ASL-2	74-BUK	50-FIR	63-KAW	64-LYU-2
60-TEM	74-DUR-2	61-BUK	71-PRI	60-BAI	61-BUL	72-FIS	73-KEC	65-LYU
67-THO	53-HAM	62-BUK	73-PRI-2	61-BAI-5	61-BUL-2	51-FOR	74-KHA	66-LYU
74-THO	72-INT	69-BUL	47-PRO	63-BAI 2	68-BUL-2	53-FOR	47-KIS	66-LYU-2
72-THR	70-KUN-2	72-BUL-4	70-ROM	69-BAI	69-BUL	55-FOR	58-KON	67-LYU
71-TRN	70-KUN-3	71-DUR	72-ROM	70-BAI	69-BUL-2	56-FOR-2	62-KON	68-LYU
62-ULB	71-KUN	72-DUR-2	72-ROS-2	70-BAI-2	70-BUL	57-FOR	62-KON-2	69-LYU
60-VAJ	74-LAF-2	62-ELK-2	72-RUD	70-BAI-5	71-BUL-2	62-FOR	64-KOS	69-LYU-2
56-VAU	72-LIN	63-ELK	51-RUE	71-BAI	71-BUL-3	62-FOR-2	68-KOS	69-LYU-3
65-VAU	72-MET	63-ELK-2	71-SPI	73-BAI	71-BUL-4	63-FOR	69-KOS	72-LYU
73-VAU	74-MET	67-ELK	72-STB-6	74-BAI	72-BUL-3	63-FOS	71-KOS	72-LYU-2
71-VOL	73-NOL-2	67-ELK-2	61-STV	74-BAI-2	72-BUL-5	63-FRA	71-KOS-2	72-LYU-3
59-WIL	72-ROJ	71-ELK	74-SUR	74-BAI-3	73-CAG	59-FRI	72-KOS-2	65-MAH
71-WIT	72-SMV	60-ERL	69-TAY	74-BAI-5	47-CAR	72-GAV	72-KOS-3	66-MAH
72-WRI	72-WRE	46-FID	72-TAY	74-BAI-6	60-CAS	53-HAC	73-KOS	67-MAH
		45-FIR	72-TAY-2	74-BAI-7	68-CAS	70-HAL-2	74-KOS-2	69-MAH
		68-INT	67-THO	57-BAL	61-CAT	44-HAM	64-KRA	69-MAH-2
		72-INT	74-THO	58-BAL	63-CAT	44-HAM-2	66-KRE	71-MAH
		72-JAM	71-TRN	61-BAL	72-CHI	45-HAM	68-KRE	74-MAH
		46-JAO	62-TSE	62-BAL	45-COK	45-HAM-2	70-KRE	71-MAO-2
		71-JAW	66-TSE	62-BAL-2	45-COK-2	47-HAM	64-KUD	72-MAO
		73-JAW	68-TSE	62-BAL-3	47-COP	48-HAM	67-KUD	64-MAR
		73-JAW-2	70-TSE	62-BAL-4	56-COP	49-HAM	69-KUD	71-MAS
		72-JEW	71-TSE	64-BAL	74-CRD	49-HAM-2	70-KUN	72-MAY
		73-KEC	65-VAU	66-BAL	75-CRD	53-HAM-2	71-LAF	68-MCB
		65-KHO	67-VAU	67-BAL	46-CRJ	73-HAW	74-LAF-2	72-MCR
		66-KHO	72-VAU	72-BAL	74-DAN	74-HEA	74-LAF-3	71-MEW
		59-KON	73-VAU	45-BAR-2	48-DEP	48-HEL	46-LAH	71-MEW-2
		63-KON	73-VAU-2	72-BAX	59-DOC	48-HEL-2	45-LAN	71-MEW-3
		63-KON-2	59-WIL	70-BEJ	72-DOL	72-HEN	51-LAN	72-MEW
		61-KOS	67-WIM	59-BEL	73-DOL	72-HOG	57-LAN	70-MOH
		71-KOS		60-BEL	74-DOL	73-HOG	59-LAN	71-MOR
		74-KOS		60-BEL-2	65-DOS	74-HOG	60-LAN	72-MOR
		70-KUN		61-BEL	73-DUA	75-HOG	64-LAN	72-MOR-2
		45-LAN		62-BEL-2	74-DUC	65-HSI	69-LAN	73-MOR
		59-LAN		62-BEL-3	60-DUR	72-HUF	61-LEM	73-MOR-2
		60-LAN		62-BEL-4	62-DUR	66-INT	62-LEM	73-MOR-3
		62-LAN		62-BEL-5	69-DUR	68-INT	62-LEM-2	73-MOR-4
		62-LEM		64-BEL	71-DUR	72-INT	66-LEM	74-MOR
		62-LEM-2		64-BEL-2	72-DUR	69-JAM	68-LEM	61-MOS
		62-LEM-3		64-BEL-3	72-DUR-2	70-JAM	71-LEV	62-MOS
		62-LIB		69-BEL	73-DUR	71-JAM	71-LEV-2	63-MOS
		66-LIB		65-BEN	74-DUR-2	72-JAM	71-LEV-3	65-MOS
		72-LIN		69-BEN	61-ELK	72-JAM-2	72-LEV	65-MOS-2
		47-LIS		73-BIS	62-ELK	46-JAO	72-LEV-2	65-MOS-3
		53-LIS		64-BLA	71-ELK	62-JEW-2	74-LEV	66-MOS-2
		70-LUT		68-BLA	71-ENO	72-JEW	74-LEV-2	66-MOS-3
		66-LYU		48-BLO	60-ERL	72-JEW-3	75-LEV	67-MOS-2

EXPERIMENTAL ANIMAL

Rat					Swine		Other
69-MOS	43-OVE	46-SCK-2	62-TAY-2	72-ZAL-2	70-ATK	59-WIL	58-BAI
69-MOS-2	68-PAG	48-SCK	64-TAY	72-ZAL-3	72-ATK		73-BAI
69-MOS-3	72-PES	48-SCK-2	67-TAY	73-ZAL	73-ATK		74-BAI
69-MOS-4	72-PES-2	49-SCK	69-TAY-2	74-ZAP	74-BAI-2		74-BAI-2
71-MOS	48-PIE	49-SCK-2	69-TAY-3		74-BAI-5		69-BRE
71-MOS-2	75-PLA	52-SCK	71-TAY-2		67-BUL		69-BUL
71-MOS-3	68-POL	71-SEA	72-TAY		68-BUL		72-BUL-2
71-MOS-4	71-POL	71-SEA-2	72-TAY-2		69-BUL		63-CAH
72-MOS	73-POL	71-SEA-3	72-TAY-3		62-BUS		71-DUR
72-MOS-2	74-POM	72-SEA	56-THO		68-BUS		72-DUR-2
72-MOS-4	73-POV	73-SEA	56-THO-2		62-CAB		73-DUR
73-MOS	71-PRI	74-SEA	58-THO		58-CLA		74-DUR-2
73-MOS-2	73-PRI-2	71-SEI	60-THO		62-CLA		62-ERD
73-MOS-3	47-PRO	72-SEI	67-THO		62-CLA-2		47-FIN
73-MOS-4	49-PRO	72-SEI-2	74-THO		58-DOC		48-HEL
74-MOS-2	72-PUZ	72-SEI-3	72-THR		71-DUR		72-HOG
74-MOS-3	64-RAH	73-SEI	64-TOM		72-DUR-2		72-JEW
74-MOS-4	48-RHO	73-SEI-2	60-TRE		73-DUR		73-KEC
45-MUR	48-RHO-2	73-SEI-3	66-TRE		74-DUR-2		72-LIN
48-MUR	70-RIC	73-SEI-4	66-TRE-2		70-ERS		62-MCR
48-MUR-2	64-ROB	74-SEI	66-TRE-3		72-FIS		72-MIL
61-NAT	70-ROM	75-SEI	66-TRE-4		56-GEO		72-NAT
72-NAT	72-ROM	75-SEI-2	71-TRN		57-GEO		74-NEV
72-NEC	56-ROS-2	73-SHU	66-TRU		74-ILY		73-POL-2
73-NEC	57-ROS	68-SIK	66-TRU-2		72-INT		71-PRI
73-NEC-2	60-ROS	68-SIK-2	66-TRU-3		72-JEW		73-PRI-2
57-NEF	69-ROW	72-SIK	59-TSA		62-KRP		64-SAB
74-NEM	70-RUD	72-SIK-2	61-TSA		59-LAN		71-STA
67-NEO	71-RUD	64-SMH	60-TSE		64-LAN		65-STK
70-NEO	72-RUD-3	65-SMH	62-TSE		69-LAN		69-STK-2
71-NEO	51-RUE	69-SMH-2	69-TSE		72-LIN		67-THO
71-NEO-3	71-RYS	58-SMV	74-TSE		62-MCR-2		73-VAU
71-NEO-4	68-SAN	64-SMV	68-TUR-2		66-MCR		60-WIR
71-NEO-5	68-SAN-2	64-SMV-2	60-VAJ		57-NEF		65-WIR
72-NEO	69-SAN	72-SMV	47-VAL		62-NOR-2		67-WIR
72-NEO-2	69-SAN-2	74-SMV	47-VAL-2		63-NOR-2		68-WIR
45-NIC-2	69-SAN-3	46-SNR	67-VAU		72-NOR		68-WOD
61-NIF-2	70-SAN	46-SNR-2	71-VAU		71-OSA		
62-NIF	70-SAN-2	46-SNR-3	73-VAU		71-OSA-3		
71-NIF	70-SAN-3	72-SOB	73-VAU-2		64-ROB		
71-NIF-2	70-SAN-5	60-SOW	58-VOG		61-SMV		
72-NIF-2	71-SAN	71-SPI	71-VOL		68-SMV		
73-NOL-3	71-SAN-2	71-STA	74-VOL		71-STA		
56-NOR	72-SAN	72-STB-6	74-VOL-2		73-STJ		
60-NOR	72-SAN-2	75-STH	74-VOL-3		74-SUL		
62-NOR-2	73-SAN	75-STH-2	75-VOL		69-TAG-3		
62-NOR-4	73-SAN-2	73-STJ	70-WAR		67-TAS		
63-NOR	73-SAN-3	73-STJ-2	71-WEH		68-TAS		
72-NOR	73-SAN-4	73-STU	53-WEK		70-TAS		
56-OAK	74-SAN	61-STV	53-WEK-2		71-TAS		
63-OLA	74-SAN-2	62-STV	54-WEK		56-THO-2		
71-OVC	75-SAN	64-STV	55-WEK		58-THO		
71-OVC-2	75-SAN-2	57-SUL	55-WEK-2		60-THO		
71-OVC-3	47-SCH	60-SUL	56-WEK		66-THO		
71-OVC-4	49-SCH	71-SUZ-2	69-WEL		67-THO		
72-OVC	50-SCH	69-TAG-3	52-WHI		68-THO		
72-OVC-2	50-SCH-2	74-TAM-3	59-WIL		74-THO		
72-OVC-3	55-SCH	75-TAM	60-WIR		60-VAJ		
72-OVC-4	56-SCH	64-TAU	68-ZAL		73-VAU		
74-OVC	61-SCH-3	61-TAY	69-ZAL		73-VAU-2		
74-OVC-2	46-SCK	62-TAY	72-ZAL		56-WEK		

ORGANS, TISSUES, SECRETIONS

Adrenals		Blood						Bone
72-ATH	72-ROJ	46-ABR	72-BUL-4	71-JEA	62-MCR	62-RYS	73-VAU-2	45-ABR
60-BAI	70-RUD	64-BAD	62-BUS	60-JEW-2	71-MEW	73-SAN-3	66-VER	46-ABR
61-BAI-2	72-RUD	60-BAI	63-CAH	62-JEW	67-MOP	68-SCF	71-VOL	47-ABR
61-BAI-4	72-RUD-2	61-BAI-2	63-CAT	62-JEW-3	72-MOR	74-SCG	54-WAG	75-ADM
61-BAI-5	73-SAN	61-BAI-3	68-CHI	62-JEW-4	73-MOR	49-SCH	70-WAR	71-ARK
62-BAI-3	73-SAN-4	61-BAI-4	70-CHI	69-JEW	73-MOR-2	50-SCH	72-WAR	51-ARN
63-BAI	75-SAN-2	62-BAI-3	72-CHI	71-JEW	74-MOR	50-SCH-2	56-WEK	51-ARN-2
66-BAI	71-SEI	63-BAI	58-CLA	72-JEW	62-MOS	51-SCH	64-WES	*56-ARN
74-BAI-2	72-SEI	66-BAI	45-COK	72-JEW-3	65-MOS	55-SCH	52-WHI	*57-ARN
74-BAI-4	73-SEI	68-BAI	45-COK-2	53-JOF	65-MOS-2	61-SCH	56-WIH	*59-ARN
74-BAI-6	61-SMV	70-BAI	72-CON	70-JOL-2	65-MOS-3	46-SCK	56-WIH-2	*62-ARN
64-BAL	74-SMV	70-BAI-4	73-CON	64-KAL	66-MOS-2	48-SCK	67-WIH	72-ARN
67-BAL	75-STH	71-BAI	74-CON	68-KAL	66-MOS-3	48-SCK-2	59-WIL	52-ASL-2
45-BAR-2	69-STW	73-BAI	46-CRJ	69-KAL	69-MOS-2	49-SCK	68-ZAL	72-ATH
62-BED	69-TAG	74-BAI	72-DIL	72-KAS	69-MOS-3	49-SCK-2	69-ZAL	*64-BAD
65-BEN	69-TAG-3	74-BAI-2	55-DOJ	75-KAS	72-MOS	52-SCK	72-ZAL-2	60-BAI
73-BIS	72-TAG	74-BAI-3	62-DOJ	71-KAV	72-MOS-4	71-SEA	72-ZAL-3	61-BAI
59-BUK	69-TAY	74-BAI-4	69-DOJ	63-KAW	47-MUN	71-SEA-3	74-ZAP	61-BAI-2
69-BUL	69-TAY-2	74-BAI-5	70-DOJ	73-KEC	69-MUS	72-SEA		61-BAI-4
62-BUS	72-TAY	74-BAI-6	71-DOJ	65-KHO	72-NAB	73-SHU		62-BAI
58-CLA	72-TAY-2	62-BAL	72-DOJ	66-KHO	72-NEC	65-SMH		62-BAI-3
71-DUR	58-THO	67-BAL	71-DOL	71-KIY	73-NEC	61-SMV		63-BAI
72-DUR-2	67-THO	72-BAL	72-DOL	74-KOE	73-NEC-2	64-SNY-2		63-BAI-2
73-DUR	63-TOM	72-BAL-2	72-DOL-2	64-KOS	73-NEC-3	71-STA		66-BAI
71-ERO	62-ULB	45-BAR	62-DOT	72-KOS-2	68-NEL	59-STB		68-BAI
73-FAB	73-VAU	73-BAX	73-DUA	73-KOS	69-NEL	59-STB-2		69-BAI
45-FID	59-WIL	73-BAX-2	62-DUR	66-KRE	67-NEO	62-STB		70-BAI
70-HAL	68-ZAL	69-BED	71-DUR	70-KRE	71-NEO-3	62-STB-2		70-BAI-2
70-HAL-2		74-BEG	72-DUR	64-KUD	71-NEO-5	68-STB-2		70-BAI-4
72-INT		59-BEL	72-DUR-2	67-KUD	72-NEO	69-STB		*70-BAI-5
53-JOF		61-BEL	73-DUR	69-KUD	74-NEV	72-STB-2		71-BAI
70-JOL-2		62-BEL-2	74-DUR-2	73-LAD	45-NIC-2	72-STB-6		73-BAI
72-JOL-2		62-BEL-4	62-ELK-2	63-LAF	61-NIF	70-STU		*74-BAI
64-KOS		62-BEL-5	63-ELK	71-LAF	61-NIF-2	62-STV		*74-BAI-2
66-KRE		69-BEL	67-ELK-2	65-LAG	62-NIF	65-STW		74-BAI-3
74-LEJ		65-BEN	71-ELK	67-LAG	71-NIF-2	67-STW		74-BAI-4
64-LEM		73-BEY	64-ERO	67-LAG-2	69-NOM	68-STW		74-BAI-5
66-LEM		73-BIS	66-ERO	45-LAN	58-NOR	72-STW		74-BAI-6
71-LEV-2		67-BLE	71-ERO	59-LAN	74-NOR	75-STW		74-BAI-7
71-LEV-3		65-BOC	73-FAB	69-LAN	75-NOR	72-TAG		58-BAL
70-LOR		66-BOC	45-FID	68-LAR	71-OHL	62-TAY-2		61-BAL
74-LOR		61-BOG	62-FIN	74-LEJ	73-OHL	69-TAY		62-BAL
69-LYU		62-BOG	50-FIR	61-LEM	46-PAE	69-TAY-2		62-BAL-2
72-LYU		63-BOG	72-FIS	62-LEM-3	73-PAK	71-TAY		62-BAL-3
72-LYU-2		50-BOY	58-FOR	71-LEV-2	69-PAR	71-TAY-2		62-BAL-4
72-LYU-3		50-BOY-2	59-FRI	71-LEV-3	72-PAZ	72-TAY		*67-BAL
69-MAH-2		47-BRM	72-GAV	63-LIA	64-PIJ	72-TAY-2		72-BAL-2
72-MAO		69-BRU	62-GOL	62-LIB	68-POL	73-TAY		74-BAN
67-MOP		69-BRU-2	70-HAL	74-LIK	73-POL	73-TAY-2		72-BAX
66-MOS-3		59-BUK	70-HAL-2	60-LIN	73-POL-2	56-THO		*73-BAX
69-MOS-2		61-BUK	53-HAM-2	62-LIN	64-ROB	66-THO		73-BAX-2
69-MOS-3		62-BUK	73-HAW	72-LIN	72-ROJ	67-THO		66-BEA
72-MOS-4		69-BUK	57-HEA	64-LYU	56-ROS-2	64-THR		74-BEG
74-MOS		61-BUL-2	71-HES	69-MAJ	57-ROS	66-TOD		74-BEG-3
74-MOS-2		69-BUL	75-HOG	73-MAJ	60-ROS	71-TRN		60-BEL
61-NIF-2		69-BUL-2	66-INT	67-MAN	64-ROS	68-TUR		61-BEL
73-NOR		70-BUL	72-INT	71-MAO	72-ROS-2	68-TUR-2		*62-BEL
74-NOR		71-BUL-2	71-JAM	71-MAO-3	72-RUD-2	62-ULB		62-BEL-2
75-NOR		71-BUL-3	46-JAO	72-MAO	45-RUE	47-VAL		62-BEL-4
69-PAR		71-BUL-4	49-JAO	68-MAP	51-RUE	56-VAU		62-BEL-5
48-RHO-2		72-BUL	73-JAW-2	72-MAY-2	65-RUH	73-VAU		64-BEL

* Indicates Marrow Data

ORGANS, TISSUES, SECRETIONS

Bone

64-BEL-2	62-CHR	*73-FAB	71-JAW	59-LAN	73-MAJ	73-NEC-3	*72-ROJ	72-SEI
64-BEL-3	72-CHR	75-FEL	73-JAW	60-LAN	*71-MAO	72-NED-2	69-ROL	72-SEI-2
*69-BEL	58-CLA	*45-FID	73-JAW-2	62-LAN	*72-MAO	72-NEL	70-ROM	72-SEI-3
*68-BEM	*62-CLA	74-FIL-2	*60-JEW	64-LAN	62-MAR	72-NEL-2	72-ROQ	73-SEI-2
*65-BEN	*62-CLA-2	47-FIN	60-JEW-2	*69-LAN	63-MAR	*67-NEO	56-ROS-2	73-SEI-3
69-BEN	66-CLA	53-FIN	*61-JEW	72-LAN	64-MAR	70-NEO	57-ROS	73-SEI-4
73-BIS	62-COH	56-FIN	*62-JEW	74-LEJ	*69-MAY	71-NEO-2	60-ROS	74-SEI
68-BLA	45-COK	59-FIN	*62-JEW-2	*61-LEM	70-MAY	71-NEO-3	62-ROS	75-SEI
72-BLA	45-COK-2	62-FIN	*62-JEW-3	*62-LEM-2	72-MAY	71-NEO-4	64-ROS	75-SEI-2
*67-BLE	72-CON	*68-FIN	62-JEW-4	*62-LEM-3	*72-MAY-2	71-NEO-5	*67-ROS	73-SEL
*69-BLE	73-CON	*45-FIR	*64-JEW	*64-LEM	68-MCB	*72-NEO	*68-ROS	70-SHL-3
*69-BLE-2	74-CON	50-FIR	*69-JEW	*66-LEM	*72-MCK	72-NEO-2	*68-ROS-2	*73-SHU
*71-BLE	*47-COP	72-FIS	*71-JEW	68-LEM	70-MCO	74-NEV	69-ROS	68-SIK
*74-BLM	56-COP	51-FOR	*72-JEW	*71-LEV	62-MCR-2	68-NEW	*69-ROS-2	72-SIK
*48-BLO	*64-COS	55-FOR	*72-JEW-2	*71-LEV-2	66-MCR	68-NGY	*72-ROS	72-SIK-2
*49-BLO	*46-CRJ	57-FOR	*72-JEW-3	71-LEV-3	72-MCR	61-NIF-2	*72-ROS-2	69-SMH-2
*48-BLW	74-DAN	60-FOR	53-JOF	*72-LEV	72-MCR-2	*71-NIF	73-ROS	58-SMV
*61-BOG	75-DIT	62-FOR	69-JOL	74-LEV-2	71-MEW	*71-NIF-2	70-RUD	64-SMV
*62-BOG	72-DIX	62-FOR-2	70-JOL-2	75-LEV	71-MEW-2	72-NIF	*72-RUD	64-SMV-2
50-BOY	56-DOB	63-FOR	72-JOL-2	64-LIA	*71-MEW-3	*72-NIF-2	*72-RUD-2	*72-SMV
50-BOY-2	73-DOE	63-FOS	74-JOR	*62-LIB	72-MEW	56-NOR	*74-RUD	74-SMV
*71-BRA	74-DOE	59-FRI	*72-KAL-2	62-LIB-2	70-MOH	59-NOR	*51-RUE	46-SNR
*72-BRA	74-DOE-2	65-FUQ	*72-KAL-3	*66-LIB	*67-MOP	60-NOR	72-RUN	46-SNR-2
*74-BRA	55-DOJ	72-GAV	*72-KAS	74-LIK	71-MOR	62-NOR-4	60-RYS	46-SNR-3
69-BRE	*62-DOJ	74-GAV	*75-KAS	60-LIN	72-MOR	63-NOR-2	61-RYS	64-SNY
75-BRI	*70-DOJ	62-GOL	55-KAT	65-LIN	73-MOR	*72-NOR	62-RYS	72-SNY
45-BRM	*71-DOJ	71-GRI	55-KAT-2	*68-LIN	73-MOR-2	73-NOR	62-RYS-2	73-SOL
47-BRM	*72-DOJ	53-HAC	50-KAW	*68-LIN-2	73-MOR-3	74-NOR	74-SAM	60-SOW
51-BRM	64-DOL	71-HAE	53-KAW	69-LIN	73-MOR-4	75-NOR	71-SAN-2	68-SPI
*59-BUK	71-DOL	*70-HAL	58-KAW	72-LIN	74-MOR	72-NOS-2	72-SAN	*71-SPI
*61-BUK	*72-DOL	70-HAL-2	63-KAW	47-LIS	58-MOS	73-OKA	*72-SAN-2	71-STA
*62-BUK	72-DOL-2	44-HAM-2	73-KEC	53-LIS	61-MOS	63-OLA	*73-SAN	59-STB
68-BUK	73-DOL	*45-HAM	74-KHA	59-LIT	62-MOS	71-OVC	73-SAN-2	59-STB-2
*69-BUK	*65-DOS	45-HAM-2	66-KHO	*68-LOE	65-MOS	71-OVC-3	73-SAN-3	62-STB
61-BUL	*62-DOT	*47-HAM	73-KNE	*71-LOE	65-MOS-2	72-OVC-4	73-SAN-4	*63-STB
*61-BUL-2	62-DOT-3	*48-HAM	74-KOE	*72-LOE	65-MOS-3	46-PAE	74-SAN	68-STB-2
*67-BUL	69-DOT	49-HAM	*59-KON	68-LOG	*66-MOS-2	*68-PAG	75-SAN	69-STB
68-BUL	73-DUA	49-HAM-2	61-KOS	70-LOR	66-MOS-3	62-PAH	68-SCF	70-STB-2
68-BUL-2	71-DUL	53-HAM-2	64-KOS	72-LOR	67-MOS	72-PAH	74-SCG-2	*72-STB-2
*69-BUL	64-DUN	*73-HAW	69-KOS	*72-LOR-2	67-MOS-2	73-PAK	47-SCH	72-STB-3
69-BUL-2	60-DUR	74-HEA	71-KOS	74-LOR	69-MOS-2	72-PAM	49-SCH	72-STB-4
*71-BUL-2	61-DUR	74-HEA-2	*71-KOS-2	75-LOR	*69-MOS-3	64-PAR	50-SCH	72-STB-5
71-BUL-3	*62-DUR	*48-HEL	72-KOS-3	71-LYA	69-MOS-4	65-PAR	50-SCH-2	72-STB-6
*71-BUL-4	*69-DUR	73-HEM	74-KOS	64-LYU	71-MOS	*69-PAR	51-SCH	*74-STB
*72-BUL	*71-DUR	73-HEM-2	74-KOS-2	64-LYU-2	71-MOS-3	71-PAR	55-SCH	75-STH
72-BUL-2	*72-DUR	74-HEM	66-KRE	65-LYU	71-MOS-4	72-PAR	56-SCH	73-STJ
*72-BUL-4	*72-DUR-2	*62-HER	*67-KUD	*66-LYU	*72-MOS	74-PAR	61-SCH	73-STJ-2
72-BUL-5	*73-DUR	72-HOG	*69-KUD	66-LYU-2	72-MOS-2	72-PAZ	61-SCH-2	73-STJ-3
62-BUS	*74-DUR-2	73-HOG	*72-KUD	67-LYU	72-MOS-4	72-PES	46-SCK	74-STJ
72-BUS	73-EIS	74-HOG	*73-LAD	69-LYU	73-MOS-2	72-PES-2	46-SCK-2	45-STR
62-CAB	*61-ELK	75-HOG	71-LAF	*69-LYU-2	*73-MOS-3	73-POL	*48-SCK	70-STU
73-CAG	*62-ELK	75-HOM	72-LAF	69-LYU-3	73-MOS-4	74-POM	48-SCK-2	73-STU
73-CAM	63-ELK	65-HSI	74-LAF	*72-LYU	*74-MOS	73-POV	49-SCK	61-STV
47-CAR	*63-ELK-2	72-HUF	67-LAG	72-LYU-2	*74-MOS-2	71-PRI	*49-SCK-2	*62-STV
61-CAT	67-ELK	*68-INT	69-LAG	72-LYU-3	74-MOS-3	73-PRI-2	52-SCK	67-STW
62-CAT	67-ELK-2	68-INT-2	71-LAG	67-MAG	74-MOS-4	*47-PRO	71-SEA-2	69-STW
*63-CAT	71-ELK	*72-INT	72-LAG	69-MAG	*45-MUR	*72-PUZ	71-SEA-3	*75-STW
68-CHI	74-EMR	70-JAM	72-LAG-2	69-MAH	72-NAB	62-REH	72-SEA	71-SUZ-2
70-CHI	*71-ENO	*71-JAM	73-LAG	69-MAH-2	72-NAT	74-RIC	73-SEA	62-TAD
*70-CHI-2	*71-ERO	72-JAM	46-LAH	74-MAH	73-NEC	74-RIC-2	74-SEA	62-TAG
*72-CHI	*64-FAB	*72-JAM-2	*51-LAN	*69-MAJ	73-NEC-2	64-ROB	71-SEI	66-TAG

* Indicates Marrow Data

ORGANS, TISSUES, SECRETIONS

Bone		Brain**	Excreta					
*69-TAG	72-VOL	72-ATH	47-ABR	68-CAS	70-GJO	45-LAN	71-NEO-5	68-SAN
69-TAG-2	74-VOL	61-BAI-2	71-ALD	61-CAT	56-GRA	50-LAN	72-NEO	70-SAN-2
71-TAG	74-VOL-2	74-BAI-4	72-ALD	+62-CAT	44-HAM-2	51-LAN	72-NEO-2	+72-SAN
72-TAG-3	74-VOL-3	62-BUS	74-ANE	63-CAT	45-HAM	56-LAN	74-NEV	73-SAN-2
71-TAK	75-VOL	63-CAH	70-ANH	58-CLA	45-HAM-2	57-LAN	+45-NIC-2	73-SAN-3
72-TAK	54-WAG	71-DUR	+70-ARK	45-COK	47-HAM	59-LAN	+56-NOR	73-SAN-4
74-TAM	70-WAR	72-DUR-2	+71-ARK	45-COK-2	+49-HAM-2	62-LAN	+56-NOR-2	75-SAN-2
*64-TAU	72-WAR	73-DUR	61-BAI-2	72-CON	53-HAM	64-LAN	58-NOR	+58-SCF
61-TAY	55-WEK	45-FID	61-BAI-3	73-CON	53-HAM-2	+72-LAN	60-NOR	68-SCF
62-TAY	56-WEK	70-HAL	61-BAI-4	74-CON	+64-HAS	68-LAR	+62-NOR	+69-SCG
62-TAY-2	52-WHI	73-HAW	61-BAI-5	47-COP	+68-HAS	+62-LAW	62-NOR-2	73-SCG
64-TAY	59-WIL	53-JOF	62-BAI	56-COP	57-HEA	74-LAW	62-NOR-3	+74-SCG
67-TAY	67-WIM	73-LAG	62-BAI-3	+64-COS	68-HEI	74-LEJ	62-NOR-4	47-SCH
69-TAY	60-WIR	62-LIB-2	63-BAI	75-CRD	+69-HEI	63-LIA	63-NOR	49-SCH
*69-TAY-2	68-WIR	70-LOR	63-BAI-2	46-CRJ	71-HEI	68-LIA	63-NOR-2	50-SCH
70-TAY	71-WON	74-LOR	64-BAI	61-DAV	72-HEI	74-LIK	72-NOR	50-SCH-2
71-TAY	72-WRE	69-LYU	68-BAI	56-DOB	+53-HEM	+60-LIN	+74-NOR	51-SCH
*71-TAY-2	*70-YUI	72-LYU	69-BAI	64-DOL	+73-HEM	72-LIN	+68-ODL	51-SCH-3
*72-TAY	68-ZAL	73-NOR	70-BAI-2	+71-DOL	+73-HEM-2	53-LIS	+68-ODL-2	55-SCH
*72-TAY-2	*69-ZAL	74-NOR	70-BAI-5	+72-DOL	+74-HEM	59-LIS	71-OHL	+56-SCH
73-TAY	72-ZAL-2	75-NOR	71-BAI	72-DOL-2	72-HEN	68-LOG	73-OHL	61-SCH-2
73-TAY-2	72-ZAL-3	69-PAR	73-BAI	73-DOL	+71-HES	70-LOR	63-OLA	+61-SCH-3
*56-THO	74-ZAP	72-ROJ	74-BAI	62-DOT	+73-HOE	72-LOR	+71-OSA-2	46-SCK
58-THO		70-RUD	74-BAI-2	+65-DOW	70-HOL	74-LOR	73-OSA	46-SCK-2
60-THO		72-RUD-2	74-BAI-3	73-DUA	71-HOL	75-LOR	43-OVE	48-SCK
66-THO		62-RYS	74-BAI-4	72-DUC	72-HUF	73-LOW	46-PAE	48-SCK-2
*67-THO		74-SCG-2	74-BAI-5	+71-DUL	68-INT-2	73-LOW-2	62-PAH	49-SCK-2
68-THO		48-SCK	+61-BAL	+64-DUN	71-INT	64-LYU-2	72-PAH	52-SCK
72-THO-2		71-TAK	62-BAL-2	60-DUR	72-INT	68-LYU	73-PAK	+58-SCL
*74-THO		72-TAK	62-BAL-3	61-DUR	+69-IRA	68-MAI	69-PAR	+71-SCR
74-THO-2		66-TOD	62-BAL-4	62-DUR	+66-JAC	67-MAN	74-PAR	71-SEA-2
64-THR		62-ULB	66-BAL	69-DUR	+64-JEA	62-MAR	71-PER	71-SEA-3
*72-THR-2		59-WIL	72-BAL	71-DUR	71-JEA	+72-MAY-2	64-PIJ	72-SEA
71-THU			72-BAL-2	72-DUR	69-JEC	+68-MCB	64-PLO	+58-SED
73-THU			+72-BAX	72-DUR-2	+72-JEC	66-MCR	+73-POL	64-SMH
66-TOD			73-BAX	73-DUR	+69-JOL	+72-MCR	+65-PUT	69-SMH
60-TRE			+73-BAX-2	74-DUR-2	70-JOL-2	72-MCR-2	73-RAH	69-SMH-2
66-TRE			+64-BEA	64-EAK	72-JOY	74-MET	70-RAM	61-SMV
66-TRE-2			+66-BEA	71-ENO	+74-KAN	71-MEW-2	72-RAM	64-SMV
66-TRE-3			+73-BEA	64-ERO	+50-KAW	71-MEW-3	74-RIC-2	+64-SMV-2
*59-TSA			60-BEL-2	64-EVI	53-KAW	72-MEW	64-ROB	68-SMV
*61-TSA			61-BEL	71-FAS	+63-KAW	61-MOP	72-ROJ	72-SMV
60-TSE			62-BEL-2	45-FID	73-KEC	67-MOP	68-RON	74-SMV
62-TSE			62-BEL-4	+47-FIN	71-KER	+71-MOR	+56-ROS-2	46-SNR
69-TSE			62-BEL-5	72-FIS	71-KIE	72-MOR	57-ROS	62-SNY
*61-TWE			64-BEL	51-FOR	74-KOE	73-MOR	+64-ROS	+64-SNY
*62-ULB			64-BEL-2	+54-FOR	66-KRE	73-MOR-3	67-ROS	+64-SNY-2
72-UNS			69-BEL	55-FOR	73-LAD	74-MOR	+72-ROS-2	+68-SNY
60-VAJ			73-BIS	56-FOR-2	63-LAF	74-MOS	73-ROS	+72-SNY
47-VAL			59-BOG	58-FOR	71-LAF	+69-MOW	45-RUE	+72-SNY-2
56-VAU			75-BRI	+60-FOR	+72-LAF	72-MYE	51-RUE	60-SOW
62-VAU			68-BRO	60-FOR-2	65-LAG	61-NAT	74-RUN	71-STA
*65-VAU			72-BRO	62-FOR-2	67-LAG	68-NEL	60-RYS	59-STB
*67-VAU			+72-BRP	63-FOR	67-LAG-2	+69-NEL	61-RYS	59-STB-2
*71-VAU			69-BUL	63-FRA	+69-LAG	+72-NEL	62-RYS	62-STB
*72-VAU			62-BUS	67-FRD	+71-LAG	67-NEO	+62-RYS-2	62-STB-2
*73-VAU			+69-CAM	+59-FRI	+72-LAG	70-NEO	64-SAB	69-STB
*73-VAU-2			+72-CAM	65-FUQ	+72-LAG-2	+71-NEO-2	60-SAM	72-STB-3
74-VOH			47-CAR	+57-GEI	+73-LAG	71-NEO-3	61-SAM	72-STB-6
71-VOL			+60-CAS	74-GIL-2	61-LAK	71-NEO-4	74-SAM	75-STH

* Indicates Marrow Data
 ** Includes Nervous System
 + Indicates Urine Data Only

ORGANS, TISSUES, SECRETIONS

Excreta	Eyes	Fetus*	Gastrointestinal Tract				Gonads	
75-STH-2	72-ATH	74-BAI-5	47-ABR	74-FIL-2	45-MUR	73-STJ-2	72-ATH	71-LYA
73-STJ-2	73-BIS	73-DUR	70-ADM	47-FIN-2	72-NEC	73-STJ-3	60-BAI	73-LYA
68-STU	73-DUR	47-FIN	75-ADM	47-FIN-3	73-NEC-3	65-STK	61-BAI	69-LYU
70-STU	72-INT	47-FIN-2	71-ARK	62-FIN	68-NEL	70-STU	61-BAI-2	72-LYU
73-STU	70-JOL-2	47-FIN-3	60-BAI	45-FIR	67-NEO	62-STV	61-BAI-4	72-LYU-2
73-STU-2	74-LEJ	62-FOR	61-BAI	72-FIS	74-NEV	64-STV	61-BAI-5	72-LYU-3
75-STW	70-LOR	70-HAL	61-BAI-2	55-FOR	68-NGY	57-SUL	63-BAI	71-MAO-3
71-SUZ-2	74-LOR	72-HUF	61-BAI-4	57-FOR	61-NIF-2	60-SUL	66-BAI	72-MAO
+62-SWA	69-PAR	71-JOE	61-BAI-5	62-FOR-2	71-NIF-2	69-TAG	69-BAI	72-MCR-2
64-SWA	62-STB	69-MOS-4	63-BAI	63-FOS	62-NOR-4	74-TAG	73-BAI	67-MOP
64-TAU	62-TAG-2	71-MOS-4	63-BAI-2	72-GAV	74-NOR	64-TAU	74-BAI-4	66-MOS-3
61-TAY	69-TAG	72-NAT	66-BAI	70-HAL	75-NOR	64-TAY	74-BAI-5	69-MOS-3
64-TAY	69-TAY-2	74-NEV	68-BAI	70-HAL-2	72-NOS-2	56-THO-2	67-BAL	72-MOS-4
71-TES		73-OKA	69-BAI	44-HAM	63-OLA	58-THO	74-BAN	74-MOS-2
73-TES		71-OVC-2	70-BAI-5	44-HAM-2	71-OVC	60-THO	73-BAX	45-MUR
56-THO		71-OVC-3	73-BAI	45-HAM	43-OVE	67-THO	73-BAX-2	68-NGY
58-THO		71-OVC-4	74-BAI	47-HAM	68-PAG	66-TOD	65-BEN	71-NIF-2
66-THO		72-OVC	74-BAI-2	49-HAM	69-PAR	66-TRE	73-BIS	74-NOR
67-THO		74-OVC	74-BAI-4	53-HAM-2	48-PIE	62-ULB	48-BLW	75-NOR
64-THR		74-OVC-2	74-BAI-5	74-HAN	71-PRI	73-VAU	48-BLW-2	63-OLA
70-THR		62-RYS-2	58-BAL	73-HAW	73-PRI-2	73-VAU-2	62-BOG	71-OVC-2
72-THR		68-SIK	62-BAL-2	74-HEA	47-PRO	56-WEK	50-BOY	71-OVC-3
72-THR-2		72-SIK	72-BAL	75-HOM	48-RHO	52-WHI	50-BOY-2	71-OVC-4
66-TOD		72-SIK-2	72-BAL-2	72-HUF	68-RIC	67-WIH	45-BRM	72-OVC
63-TOM		71-STA	74-BAN	66-INT	64-ROB	60-WIR	73-BUC	72-OVC-2
60-TRE		67-THO	72-BAX	68-INT-2	72-ROJ	68-WIR	59-BUK	72-OVC-3
+66-TRE-3		74-THO	74-BEG-2	72-INT	70-ROM	71-WIT	68-BUL	72-OVC-4
+66-TRE-4		66-TRE-2	60-BEL-2	53-JOF	72-ROM	71-WON	69-BUL	74-OVC
+66-TRU		62-ULB	61-BEL	55-KAT	72-ROQ	68-ZAL	72-BUL-5	74-OVC-2
66-TRU-3		53-WIP	62-BEL	73-KEC	72-ROS-2	69-ZAL	62-BUS	69-PAR
47-VAL			62-BEL-4	73-KNE	70-RUD	74-ZAP	73-CAM	74-RIC
71-VAN			62-BOG	74-KOE	72-RUD-2		58-CLA	74-RIC-2
73-VAU			75-BRI	66-KRE	51-RUE		46-CRJ	72-ROJ
73-VAU-2			45-BRM	46-LAH	62-RYS		75-DIT	72-ROS-2
+66-VER-2			59-BUK	56-LAN	62-RYS-2		59-DOC	70-RUD
+71-VOL			68-BUL	59-LAN	74-SAM		71-DUR	72-RUD
+71-WAF			68-BUL-2	60-LAN	72-SAN-2		72-DUR-2	51-RUE
54-WAG			69-BUL	64-LAN	73-SAN		73-DUR	73-SAN
72-WAI			72-BUL-5	69-LAN	73-SAN-2		68-ELI	73-SAN-2
68-WAL			68-BUS	62-LIB-2	73-SAN-3		74-EMR	73-SAN-4
70-WAR			47-CAR	70-LOR	73-SAN-4		71-ERO	75-SAN-2
72-WAR-2			63-CAT	74-LOR	75-SAN-2		73-FAB	48-SCK
75-WAS			45-COK	70-LUT	46-SCK-2		45-FID	72-SEA
56-WEK			45-COK-2	64-LYU	48-SCK		45-FIR	71-SEI
64-WES			64-COS	66-LYU	48-SCK-2		50-FIR	72-SEI
72-WHA			74-CRD	69-LYU	49-SCK-2		72-FIS	73-SEI
52-WHI			48-DEP	72-MAO	52-SCK		70-HAL	61-SMV
56-WIH			75-DIT	70-MCO	71-SEA-3		75-HAN	74-SMV
56-WIH-2			64-DOL	71-MEW	72-SEA		73-HAW	46-SNR-2
59-WIH			71-DOL	71-MEW-2	73-SEA		48-HEL-2	69-STB
+59-WIH-2			72-DOL-2	71-MEW-3	73-SHU		72-INT	62-STV
60-WIH			73-DOL	72-MEW	68-SIK-2		70-JOL-2	64-STV
67-WIH			71-DUR	70-MOH	72-SIK		58-KAW	69-TAG
59-WIL			72-DUR-2	62-MOS	72-SIK-2		61-KOS	72-TAG
68-WIR			73-DUR	66-MOS-3	69-SMH-2		64-KOS	71-TAK
72-WRE			74-DUR-2	67-MOS-2	68-SMV		62-KRP	72-TAK
72-WRI			74-EMR	69-MOS-3	46-SNR-2		74-LEJ	69-TAY
68-ZAL			71-ENO	72-MOS-4	46-SNR-3		71-LEV-2	69-TAY-2
72-ZAL			71-ERO	73-MOS	73-SOL		71-LEV-3	69-TAY-3
73-ZAL			64-EVI	74-MOS	72-STB-6		70-LOR	72-TAY
74-ZAL			45-FID	74-MOS-2	75-STH		74-LOR	72-TAY-2

+ Indicates Urine Data Only

* Includes Placenta

ORGANS, TISSUES, SECRETIONS

Gonads	Hair	Heart	Kidney					Liver
58-THO	45-BRM	61-BAI-2	47-ABR	61-CAT	74-LOR	71-RUD	69-TAY	45-ABR
67-THO	71-JAW	61-BAI-5	72-ATH	58-CLA	75-LOR	72-RUD	58-THO	46-ABR
74-THO	73-JAW	63-BAI	60-BAH	45-COK	66-LYU	72-RUD-2	66-THO	47-ABR
74-THO-2	73-JAW-2	66-BAI	61-BAI	45-COK-2	66-LYU-2	74-RUD	67-THO	56-ARN
62-ULB	74-KOE	68-BAI	61-BAI-2	72-CON	67-LYU	51-RUE	64-THR	72-ATH
65-VAU	62-ULB	74-BAI-4	61-BAI-4	46-CRJ	69-LYU-2	61-RYS	72-THR-2	60-BAI
73-VAU	55-WEK-2	67-BUL	61-BAI-5	71-DOL	72-LYU	62-RYS	66-TOD	61-BAI
58-VOG		69-BUL	62-BAI	73-DOL	72-LYU-2	62-RYS-2	63-TOM	61-BAI-2
59-WIL		62-BUS	62-BAI-3	73-DUA	72-LYU-3	72-SAN-2	60-TRE	61-BAI-4
68-ZAL		58-CLA	63-BAI	60-DUR	67-MAG	73-SAN	69-TSE	61-BAI-5
		70-COD	63-BAI-2	71-DUR	69-MAG	73-SAN-2	62-ULB	62-BAI
		46-CRJ	66-BAI	72-DUR-2	66-MAH	73-SAN-3	73-VAU	62-BAI-3
		71-DUR	68-BAI	73-DUR	74-MAH	73-SAN-4	73-VAU-2	63-BAI
		72-DUR-2	69-BAI	74-DUR-2	72-MAO	75-SAN-2	74-VOL-3	63-BAI-2
		73-DUR	70-BAI-2	74-EMR	70-MAY	74-SCG-2	75-VOL	66-BAI
		74-EMR	70-BAI-5	45-FID	72-MAY-2	47-SCH	72-WAR	68-BAI
		45-FID	71-BAI	74-FIL-2	68-MCB	49-SCH	56-WEK	69-BAI
		60-FOR	73-BAI	50-FIR	72-MCK	48-SCK	52-WHI	70-BAI
		73-HAW	74-BAI-2	60-FOR	70-MCO	48-SCK-2	59-WIL	70-BAI-2
		53-JOF	74-BAI-3	59-FRI	72-MCR-2	49-SCK-2	68-WIR	*70-BAI-5
		72-KAL-3	74-BAI-4	70-HAL	71-MEW	52-SCK	72-WRI	71-BAI
		72-KAS	74-BAI-5	70-HAL-2	71-MEW-2	72-SEA	68-ZAL	*73-BAI
		66-KHO	74-BAI-6	45-HAM	71-MEW-3	73-SEA	69-ZAL	74-BAI
		62-KRP	74-BAI-7	45-HAM-2	72-MEW	71-SEI	72-ZAL-2	74-BAI-2
		72-LAG-2	62-BAL	49-HAM-2	67-MOP	72-SEI	72-ZAL-3	74-BAI-3
		73-LAG	62-BAL-2	53-HAM-2	72-MOR	73-SEI-2		74-BAI-4
		59-LAN	67-BAL	73-HAW	73-MOR	73-SEI-3		74-BAI-5
		60-LAN	74-BAN	75-HOG	73-MOR-3	74-SEI		74-BAI-6
		71-LEV-3	45-BAR-2	72-HUF	74-MOR	75-SEI		74-BAI-7
		70-LOR	73-BAX	72-INT	58-MOS	75-SEI-2		58-BAL
		74-LOR	73-BAX-2	53-JOF	66-MOS-3	68-SIK		61-BAL
		67-MAG	74-BEG	70-JOL-2	67-MOS-2	72-SIK-2		62-BAL
		69-MAG	74-BEG-3	72-JOL-2	69-MOS-3	69-SMH-2		62-BAL-2
		70-MAY	61-BEL	75-KAS	71-MOS	58-SMV		62-BAL-3
		72-MEW	62-BEL	53-KAW	71-MOS-3	61-SMV		62-BAL-4
		67-MOP	62-BEL-2	58-KAW	71-MOS-4	64-SMV		*66-BAL
		73-NOR	62-BEL-5	73-KEC	72-MOS-4	64-SMV-2		67-BAL
		74-NOR	64-BEL	74-KHA	74-MOS	72-SMV		*72-BAL
		75-NOR	64-BEL-2	66-KHO	74-MOS-2	74-SMV		72-BAL-2
		69-PAR	64-BEL-3	71-KOS-2	74-MOS-3	71-STA		74-BAN
		72-ROJ	69-BEL	66-KRE	74-MOS-4	59-STB-2		45-BAR-2
		70-RUD	73-BIS	68-KRE	45-MUR	62-STB-2		72-BAX
		72-RUD	48-BLW	70-KRE	67-NEO	68-STB		73-BAX
		72-RUD-2	48-BLW-3	74-LAF	71-NEO-3	69-STB		73-BAX-2
		51-RUE	50-BOY	69-LAG	74-NEV	71-STB		66-BEA
		62-RYS	50-BOY-2	71-LAG	68-NGY	75-STH		74-BEG
		72-SAN-2	45-BRM	72-LAG	72-NIF-2	70-STU		74-BEG-3
		48-SCK-2	72-BRU	72-LAG-2	59-NOR	62-STV		70-BEJ
		49-SCK-2	59-BUK	73-LAG	73-NOR	69-STW		60-BEL
		74-SMV	67-BUL	59-LAN	74-NOR	69-TAG-3		61-BEL
		75-STH	68-BUL	60-LAN	75-NOR	71-TAG		62-BEL
		69-TAG	68-BUL-2	62-LAN	63-OLA	72-TAG		62-BEL-2
		69-TAG-3	69-BUL	70-LEJ	72-PAH	72-TAG-2		62-BEL-3
		64-TAU	71-BUL-4	74-LEJ	72-PAM	72-TAG-3		62-BEL-4
		66-THO	72-BUL-3	71-LEV-2	69-PAR	74-TAG		62-BEL-5
		62-ULB	72-BUL-4	74-LEV	72-PUZ	71-TAK		64-BEL
		73-VAU	72-BUL-5	74-LEV-2	74-RIC	72-TAK		64-BEL-2
		56-WEK	62-BUS	75-LEV	74-RIC-2	64-TAU		64-BEL-3
			62-CAB	62-LIB-2	64-ROB	61-TAY		69-BEL
			63-CAH	68-LIN-2	72-ROJ	62-TAY-2		73-BIS
			73-CAM	70-LOR	57-ROS	64-TAY		70-BOC
			47-CAR	72-LOR-2	70-RUD	67-TAY		62-BOG

* Indicates Bile Data

ORGANS, TISSUES, SECRETIONS

Liver

67-BOS	72-DOL-2	72-HOG	62-LEM	68-MCB	60-NOR	60-RYS	59-STB	74-THO
50-BOY	73-DOL	75-HOG	64-LEM	72-MCK	63-NOR-2	61-RYS	59-STB-2	74-THO-2
50-BOY-2	62-DOT	75-HOM	66-LEM	70-MCO	72-NOR	62-RYS	62-STB	72-THR-2
71-BRA	65-DOW	73-HOV	68-LEM	66-MCR	73-NOR	62-RYS-2	62-STB-2	66-TOD
72-BRA	73-DUA	72-HUF	71-LEV-2	72-MCR	74-NOR	71-SAN-2	63-STB	63-TOM
74-BRA	71-DUL	68-INT-2	72-LEV-2	72-MCR-2	75-NOR	72-SAN	68-STB	60-TRE
69-BRE	*60-DUR	*72-INT	74-LEV	71-MEW	72-NOS-2	72-SAN-2	69-STB	66-TRE-2
75-BRI	61-DUR	69-JAM	74-LEV-2	71-MEW-2	56-OAK	73-SAN	70-STB	66-TRE-3
45-BRM	62-DUR	71-JAW	75-LEV	71-MEW-3	63-OLA	73-SAN-3	70-STB-2	66-TRE-4
47-BRM	69-DUR	73-JAW	64-LIA	72-MEW	71-OVC	73-SAN-4	71-STB	71-TRN
71-BRU	*71-DUR	73-JAW-2	62-LIB	70-MOH	71-OVC-3	75-SAN-2	72-STB-2	66-TSE
72-BRU	72-DUR	62-JEW-3	62-LIB-2	67-MOP	72-OVC-4	68-SCF	72-STB-3	69-TSE
59-BUK	*72-DUR-2	71-JEW	74-LIK	72-MOR	46-PAE	74-SCG	72-STB-4	68-TUR-2
62-BUK	*73-DUR	53-JOF	60-LIN	73-MOR	62-PAH	74-SCG-2	72-STB-5	62-ULB
68-BUK	74-DUR-2	69-JOL	62-LIN	73-MOR-2	72-PAH	47-SCH	72-STB-6	72-UNS
69-BUK	73-EIS	70-JOL-2	65-LIN	73-MOR-3	73-PAK	49-SCH	74-STB	47-VAL
61-BUL	63-ELK	72-JOL-2	68-LIN	74-MOR	72-PAM	50-SCH	75-STH	65-VAU
67-BUL	74-EMR	74-JOR	68-LIN-2	58-MOS	64-PAR	50-SCH-2	75-STH-2	73-VAU
68-BUL	*71-ENO	71-JOS	69-LIN	62-MOS	65-PAR	55-SCH	73-STJ	*73-VAU-2
68-BUL-2	64-ERO	72-KAL-3	69-LIN-2	65-MOS	*69-PAR	56-SCH	73-STJ-2	74-VOH
*69-BUL	71-ERO	72-KAS	*72-LIN	66-MOS-2	71-PAR	61-SCH-2	73-STJ-3	71-VOL
71-BUL-4	73-FAB	75-KAS	72-LIN-2	66-MOS-3	72-PAR	48-SCK	74-STJ	74-VOL
72-BUL	*45-FID	53-KAW	47-LIS	67-MOS-2	74-PAR	48-SCK-2	45-STR	74-VOL-2
72-BUL-2	47-FIN	58-KAW	53-LIS	69-MOS-2	71-POL	49-SCK-2	70-STU	74-VOL-3
72-BUL-3	59-FIN	73-KEC	68-LOG	69-MOS-3	73-POL	52-SCK	73-STU	75-VOL
72-BUL-4	62-FIN	74-KHA	70-LOR	71-MOS	73-POV	71-SEA-2	61-STV	54-WAG
72-BUL-5	45-FIR	66-KHO	72-LOR	71-MOS-3	73-PRI-2	71-SEA-3	62-STV	70-WAR
62-BUS	50-FIR	73-KNE	72-LOR-2	71-MOS-4	47-PRO	72-SEA	64-STW	72-WAR
72-BUS	72-FIS	74-KOE	74-LOR	72-MOS	65-PUT	73-SEA	67-STW	53-WEK-2
62-CAB	55-FOR	58-KON	75-LOR	72-MOS-2	72-PUZ	74-SEA	69-STW	56-WEK
73-CAG	57-FOR	59-KON	71-LYA	72-MOS-4	64-RAH	71-SEI	75-STW	*64-WES
63-CAH	60-FOR	62-KON	64-LYU	73-MOS-4	73-RAH	72-SEI	71-SUZ-2	52-WHI
73-CAM	62-FOR-2	62-KON-2	64-LYU-2	74-MOS	68-RAM	72-SEI-2	68-SWI	59-WIL
47-CAR	63-FOR	63-KON	65-LYU	74-MOS-2	69-RAM	73-SEI-2	*69-TAG	68-WIR
61-CAT	63-FOS	63-KON-2	66-LYU	74-MOS-3	48-RHO	73-SEI-3	69-TAG-3	68-WOD
62-CAT	59-FRI	61-KOS	66-LYU-2	74-MOS-4	68-RIC	73-SEI-4	71-TAG	71-WON
*63-CAT	65-FUQ	64-KOS	67-LYU	74-MUH	74-RIC	74-SEI	72-TAG	73-WOS
58-CLA	72-GAV	71-KOS	69-LYU	45-MUR	74-RIC-2	75-SEI	72-TAG-2	72-WRE
66-CLA	74-GAV	66-KRE	69-LYU-2	48-MUR	64-ROB	75-SEI-2	72-TAG-3	72-WRI
62-COH	72-GOM	68-KRE	72-LYU	72-NAB	62-ROE	69-SEV	71-TAK	68-ZAL
45-COK	73-GOM	70-KRE	72-LYU-2	*72-NEC	72-ROJ	73-SHU	72-TAK	69-ZAL
45-COK-2	74-GOM	73-LAD	72-LYU-3	73-NEC-2	56-ROS-2	74-SHV	64-TAU	72-ZAL-2
72-CON	53-HAK	71-LAF	67-MAG	73-NEC-3	57-ROS	68-SIK	61-TAY	72-ZAL-3
73-CON	74-HAK-1	72-LAF	69-MAG	72-NEL-2	60-ROS	72-SIK-2	62-TAY	74-ZAP
*74-CON	74-HAK-2	74-LAF	65-MAH	67-NEO	64-ROS	64-SMH	62-TAY-2	
47-COP	*70-HAL	67-LAG-2	66-MAH	70-NEO	67-ROS	65-SMH	64-TAY	
56-COP	70-HAL-2	69-LAG	67-MAH	71-NEO-3	68-ROS	69-SMH-2	67-TAY	
64-COS	45-HAM	71-LAG	69-MAH-2	71-NEO-4	68-ROS-2	58-SMV	*69-TAY	
46-CRJ	45-HAM-2	72-LAG	71-MAH	71-NEO-5	69-ROS	*61-SMV	69-TAY-2	
74-DAN	47-HAM	72-LAG-2	74-MAH	72-NEO	69-ROS-2	64-SMV	69-TAY-3	
75-DIT	48-HAM	73-LAG	71-MAO	72-NEO-2	*72-ROS-2	64-SMV-2	71-TAY-2	
72-DIX	49-HAM	51-LAN	71-MAO-2	*74-NEV	73-ROS	72-SMV	72-TAY	
56-DOB	49-HAM-2	59-LAN	71-MAO-3	68-NEW	69-ROW	74-SMV	72-TAY-2	
73-DOE	53-HAM-2	60-LAN	72-MAO	68-NGY	70-RUD	46-SNR	56-THO	
74-DOE	73-HAW	62-LAN	62-MAR	61-NIF	71-RUD	46-SNR-2	58-THO	
74-DOE-2	74-HEA	64-LAN	63-MAR	61-NIF-2	72-RUD	64-SNY	60-THO	
72-DOJ	73-HEM	69-LAN	64-MAR	62-NIF	72-RUD-2	72-SNY	66-THO	
64-DOL	73-HEM-2	70-LEJ	69-MAY	71-NIF-2	74-RUD	72-SOB	*67-THO	
71-DOL	74-HEM	*74-LEJ	70-MAY	72-NIF-2	*51-RUE	68-SPI	68-THO	
72-DOL	71-HES	61-LEM	72-MAY-2	59-NOR	72-RUN	71-STA	72-THO-2	

* Indicates Bile Data

ORGANS, TISSUES, SECRETIONS

Lung

45-ABR	68-BRO	74-EMR	71-HOW	+45-LAN	73-MOS-3	68-RAM	70-SHL-3	64-TOM
46-ABR	72-BRP	+64-ERO	72-HUF	56-LAN	73-MOS-4	69-RAM	65-SMH	66-TRE
+47-ABR	69-BUA	66-ERO	+66-INT	+57-LAN	74-MOS	70-RAM	70-SMO	68-TSE
73-ADE	59-BUK	69-ERO	68-INT-2	+59-LAN	74-MOS-2	72-RAM	72-SMV	69-TSE
74-ALB	74-BUK	71-ERO	+72-INT	60-LAN	74-MOS-3	70-RIC	74-SMV	70-TSE
72-ALD	67-BUL	+64-EVI	69-IRA	+62-LAN	45-MUR	74-RIC	64-SNY	71-TSE
+67-ANB	68-BUL	45-FID	66-JAC	64-LAN	72-MUS	74-RIC-2	72-SNY	74-TSE
74-ANE	68-BUL-2	74-FIL	71-JEA	69-LAN	72-MYE	64-ROB	73-SOL	62-ULB
70-ANH	+69-BUL	62-FIN	+69-JEC	72-LAN	+61-NAT	+72-RQJ	64-SPE	72-UNS
74-ANS	70-BUL	72-FIS	72-JEC	+74-LAW	72-NAT	72-ROS-2	+69-STB	+71-VAN
69-ANT	71-BUL-2	75-FLE	53-JOF	+74-LEJ	71-NED	70-RUD	+75-STH	+71-VAN-2
72-ARI	71-BUL-4	55-FOR	+70-JOL-2	71-LEV	72-NED	72-RUD	75-STH-2	65-VAU
+52-ASL	72-BUL	57-FOR	72-JOL	71-LEV-2	68-NEL	72-RUD-2	73-STJ	+73-VAU
66-BAC	72-BUL-5	58-FOR	72-JOL-2	71-LEV-3	69-NEL	51-RUE	73-STJ-2	73-VAU-2
+60-BAI	62-BUS	+60-FOR	74-JOL	72-LEV	72-NEL	68-RUN	73-STJ-3	71-VOL
+61-BAI	72-BUS	60-FOR-2	74-JOR	+72-LEV-2	72-NEL-2	72-RUN	74-STJ	72-WAI
+61-BAI-2	73-CAG	62-FOR-2	64-KAL	74-LEV	67-NEO	61-RYS	69-STK-2	68-WAL
61-BAI-3	73-CAM	63-FOR	68-KAL	+68-LIA	+71-NEO	62-RYS	68-STU	72-WAR
61-BAI-4	+60-CAS	61-FRJ	69-KAL	+59-LIS	71-NEO-2	62-RYS-2	+70-STU	75-WAS
+61-BAI-5	68-CAS	65-FUQ	72-KAL	71-LON	71-NEO-3	71-RYS	+73-STU	71-WEH
62-BAI	+63-CAT	72-GAV	72-KAL-2	+70-LOR	71-NEO-4	+68-SAM	73-STU-2	56-WEK
+62-BAI-3	58-CLA	74-GAV	72-KAL-3	+74-LOR	72-NEO	+74-SAM	62-STV	+64-WES
+63-BAI	64-CLA	68-GES	74-KAN	70-LUT	74-NEV	68-SAN-2	74-SUR	52-WHI
+63-BAI-2	64-CLA-2	68-GES-2	73-KAS	64-LYU	68-NEW	69-SAN-2	71-SUZ-2	+67-WIH
+64-BAI	65-CLA	74-GIL	75-KAS	65-LYU	61-NIF-2	70-SAN-3	68-SWI	59-WIL
+66-BAI	66-CLA	74-GIL-2	58-KAW	66-LYU	71-NIF-2	70-SAN-5	69-TAB	60-WIR
+68-BAI	45-COK	+75-GOF	73-KEC	66-LYU-2	72-NIF	71-SAN	69-TAG	67-WIR
+69-BAI	45-COK-2	75-GOF-2	71-KEL	+67-LYU	72-NIF-2	71-SAN-2	69-TAG-3	+68-WIR
70-BAI	72-CON	72-GON	71-KER	69-LYU	72-NOL	72-SAN	72-TAG	72-WRE
70-BAI-2	64-COS	71-HAE	66-KHO	69-LYU-3	73-NOL	72-SAN-2	71-TAK	74-WRE
70-BAI-4	+72-CRD	+75-HAI	68-KIE	72-LYU	73-NOL-2	73-SAN	72-TAK	72-WRI
+70-BAI-5	+74-CRD	74-HAK-1	+74-KOE	72-LYU-2	73-NOL-3	73-SAN-2	74-TAM	74-YOD
71-BAI	75-CRD	74-HAK-2	68-KOS	72-LYU-3	58-NOR	73-SAN-3	74-TAM-2	+70-YUI
+73-BAI	+61-DAV	+70-HAL	69-KOS	70-MAE	72-NOR	73-SAN-4	74-TAM-3	+68-ZAL
+74-BAI	69-DEA	44-HAM-2	71-KOS	67-MAG	73-NOR	74-SAN-2	+75-TAM	69-ZAL
+74-BAI-2	+70-DEA	45-HAM	71-KOS-2	69-MAG	+74-NOR	75-SAN	68-TAR	72-ZAL-3
74-BAI-3	72-DIL	45-HAM-2	72-KOS	+67-MAN	+75-NOR	75-SAN-2	64-TAU	+72-ZAY
+74-BAI-4	75-DIT	+47-HAM	72-KOS-2	71-MAO-2	68-ODL	74-SCG-2	61-TAY	
74-BAI-5	59-DOC	49-HAM	72-KOS-3	72-MAO	68-ODL-2	74-SCG-3	62-TAY-2	
74-BAI-6	73-DOE	53-HAM	73-KOS	+71-MAS	63-OLA	64-SCJ	64-TAY	
74-BAI-7	74-DOE	75-HAN	74-KOS	71-MAV	73-OSA	+46-SCK	69-TAY	
62-BAL-2	74-DOE-2	+74-HAP	+69-KOT	70-MAY	63-OSB	46-SCK-2	72-TAY-2	
+72-BAL-2	72-DOJ	68-HAS	71-KOT	+70-MCO	43-OVE	48-SCK	74-TEA	
74-BAN	64-DOL	73-HAW	62-KRP	66-MCR	73-PAF	48-SCK-2	59-TEM	
73-BAX	71-DOL	+72-HAX	72-KUD	72-MCR	68-PAG	+49-SCK	60-TEM	
73-BAX-2	72-DOL	+57-HEA	70-KUN	72-MCR-2	72-PAH	49-SCK-2	58-THO	
64-BEA	+72-DOL-2	74-HEA	70-KUN-2	72-MET	+73-PAK	71-SCR	60-THO	
66-BEA	73-DOL	74-HEA-2	70-KUN-3	74-MET	72-PAM	71-SEA-2	66-THO	
73-BEA	74-DOL	68-HEI	71-KUN	72-MEW	62-PAR	72-SEA	+67-THO	
+74-BEG	65-DOW	69-HEI	73-LAD	74-MIW	+64-PAR	73-SEA	68-THO	
+74-BEG-3	72-DUC	71-HEI	74-LAE	70-MOH	65-PAR	74-SEA	72-THO-2	
62-BEL	74-DUC	+72-HEI	+71-LAF	61-MOP	+69-PAR	71-SEI	74-THO	
64-BEL-2	71-DUL	+53-HEM	74-LAF	+67-MOP	71-PAR	72-SEI	74-THO-2	
69-BEL	64-DUN	+73-HEM	74-LAF-2	71-MOR	72-PAR	72-SEI-2	64-THR	
68-BEV	71-DUR	+73-HEM-2	74-LAF-3	72-MOR	74-PAR	73-SEI-2	68-THR	
+73-BIS	72-DUR-2	74-HEM	67-LAG-2	66-MOS-3	64-PEN	73-SEI-3	70-THR	
59-BOE	+73-DUR	72-HEN	69-LAG	69-MOS-2	+71-PER	73-SEL	+72-THR	
67-BOS	+74-DUR-2	71-HES	71-LAG	69-MOS-3	74-POM	72-SHI	72-THR-2	
69-BRE	64-EAK	62-HIL	72-LAG	71-MOS-3	71-PRI	73-SHI	72-THR-3	
73-BRI	64-EHR	70-HOL	72-LAG-2	72-MOS	65-PUT	73-SHI-2	66-TOD	
+74-BRJ	73-EIS	71-HOL	+73-LAG	+72-MOS-4	72-PUZ	68-SHL	63-TOM	

ORGANS, TISSUES, SECRETIONS

Lymph Node					Mammary Gland	Milk	Muscle	
46-ABR	70-DEA	64-LAN	74-RIC	72-THR-2	66-BAI	74-BEG-2	75-ADM	67-MOP
69-ANT	*48-DEP	69-LAN	74-RIC-2	72-THR-3	74-BAI-2	74-BEG-3	60-BAI	72-MOR
52-ASL	*69-DOJ	*70-LEJ	64-ROB	*63-TOM	74-BEG-2	65-COM	61-BAI	73-MOR
*72-ATH	*72-DOJ	*74-LEJ	*72-ROJ	*62-ULB	74-BEG-3	73-EIS	61-BAI-2	73-MOR-2
*60-BAI	64-DOL	*62-LEM-3	*70-RUD	72-UNS	59-BUK	47-FIN	61-BAI-4	73-MOR-3
*61-BAI	71-DOL	71-LEV-3	*71-RUD	65-VAU	73-DUR	47-FIN-2	62-BAI	74-MOR
*61-BAI-2	72-DOL	72-LEV-2	*72-RUD	*73-VAU	71-ERO	47-FIN-3	62-BAI-3	72-MOS-4
61-BAI-3	72-DOL-2	59-LIS	*72-RUD-2	73-VAU-2	74-FIL-2	74-HEA	63-BAI	74-MOS
*61-BAI-4	73-DOL	71-LON	*51-RUE	71-VOL	70-HAL	72-HOG	63-BAI-2	71-NEO-3
61-BAI-5	*62-DOT	*70-LOR	71-RYS	*72-WAR	64-KOS	67-KAU	66-BAI	74-NEV
62-BAI	*71-DUR	*74-LOR	*69-SAN-3	*72-WAR-2	66-LEM	73-KEC	68-BAI	73-NOR
*62-BAI-3	*72-DUR-2	70-LUT	*70-SAN-2	64-WES	71-LEV-3	69-LAN	69-BAI	74-NOR
*63-BAI	*73-DUR	*66-LYU	*71-SAN-2	*52-WHI	66-LYU	67-MAG	74-BAI-4	75-NOR
63-BAI-2	74-DUR-2	67-LYU	72-SAN	*59-WIL	74-MAH	62-MCR	74-BAI-5	72-NOS-2
64-BAI	64-ERO	69-LYU	*72-SAN-2	67-WIR	66-MOS-3	72-MIL	62-BAL-2	73-PAK
*66-BAI	66-ERO	72-LYU	*73-SAN	68-WIR	67-MOS-2	72-NAT	73-BAX	69-PAR
*68-BAI	71-ERO	72-LYU-2	75-SAN-2		74-MOS-2	74-NEV	73-BAX-2	64-ROB
69-BAI	64-EVI	72-LYU-3	*74-SCA		61-NIF-2	68-NGY	74-BEG-2	72-ROJ
70-BAI	*45-FID	67-MAG	*74-SCG		72-ROJ	63-OLA	62-BEL	70-ROM
*70-BAI-2	*56-FIN	*71-MAO	74-SCG-2		71-RUD	71-OVC	64-BEL-2	72-ROQ
70-BAI-4	*45-FIR	71-MAO-2	74-SCG-3		72-SAN-2	72-OVC	69-BEL	57-ROS
70-BAI-5	72-FIS	*71-MAO-3	46-SCK		73-SAN	64-SAB	73-BIS	72-ROS-2
*71-BAI	60-FOR	*72-MAO	49-SCK		73-SAN-2	72-SIK	69-BRE	72-RUD-2
*73-BAI	72-GAV	70-MAY	68-SHL		73-SAN-4	71-STA	67-BUL	51-RUE
*74-BAI	74-GAV	70-MCO	70-SHL-3		74-SAN	67-THO	68-BUL	61-RYS
*74-BAI-2	*72-GOM	*66-MCR	61-SHT		62-STV	62-ULB	69-BUL	62-RYS
*74-BAI-3	*73-GOM	72-MCR	65-SMH		69-TAG		58-CLA	47-SCH
*74-BAI-4	*74-GOM	72-MCR-2	70-SMO		69-TAY-2		72-DIX	48-SCK
*74-BAI-5	71-HAE	74-MET	*74-SMV		62-ULB		71-DUR	48-SCK-2
*74-BAI-6	*70-HAL	61-MOP	*46-SNR-2				72-DUR-2	49-SCK-2
74-BAI-7	47-HAM	*67-MOP	64-SNY				73-DUR	52-SCK
*62-BAL-2	*73-HAW	*66-MOS-3	*69-STB				74-DUR-2	72-SEA
*72-BAL-2	74-HEA	*45-MUR	*73-STJ				74-EMR	74-SMV
74-BAN	73-HEM	72-MYE	73-STJ-2				71-ERO	75-STH
*73-BAX	73-HEM-2	61-NAT	73-STJ-3				45-FID	73-STJ-3
73-BAX-2	74-HEM	68-NEL	74-STJ				70-HAL	71-TAK
74-BEG	*71-HES	72-NEL-2	70-STU				53-HAM-2	72-TAK
74-BEG-3	*73-HOE	74-NEV	73-STU				73-HAW	58-THO
72-BIS	71-HUT	68-NEW	73-STU-2				72-INT	66-THO
*73-BIS	66-INT	*45-NIC-2	68-SWI				71-JAW	67-THO
73-BRI	*72-INT	72-NIF-2	72-SWI-2				73-JAW	66-TOD
74-BRJ	*69-JOL	*63-NOR-2	69-TAG				73-JAW-2	62-ULB
45-BRM	*70-JOL	*72-NOR	*69-TAG-3				66-KHO	73-VAU
47-BRM	*70-JOL-2	*73-NOR	*71-TAG				73-KNE	55-WEK-2
*67-BUL	*72-JOL-2	74-NOR	*72-TAG				66-KRE	59-WIL
*68-BUL-2	73-KEC	*75-NOR	*72-TAG-3				62-KRP	71-WON
*69-BUL	74-KOE	63-OLA	75-TAM				71-LAF	73-WOS
*72-BUL-4	*68-KOS	73-OSA	68-TAR				73-LAG	68-ZAL
72-BUS	72-KOS-2	*46-PAE	*64-TAU				59-LAN	74-ZAP
*62-CAB	72-KOS-3	73-PAF	69-TAY				60-LAN	
73-CAM	69-KOT	73-PAK	58-THO				62-LEM-2	
60-CAS	62-KRP	72-PAM	60-THO				71-LEV-2	
68-CAS	70-KUN	62-PAR	*66-THO				70-LOR	
63-CAT	69-LAG	64-PAR	*67-THO				74-LOR	
64-CLA	71-LAG	65-PAR	68-THO				75-LOR	
64-CLA-2	72-LAG	*69-PAR	72-THO-2				64-LYU	
65-CLA	72-LAG-2	*71-PAR	74-THO				64-LYU-2	
66-CLA	*73-LAG	*72-PAR	74-THO-2				69-LYU	
*73-DAG	*59-LAN	74-PAR	64-THR				72-MAO	
*75-DAG	60-LAN	*72-PUZ	68-THR				70-MAY	
*75-DAG-2	62-LAN	*68-RIC	72-THR				72-MEW	

* Indicates Non-Pulmonary Data

ORGANS, TISSUES, SECRETIONS

Pituitary	Skin			Spleen				Teeth
72-ATH	47-ABR	73-HAW	72-ROJ	47-ABR	45-FID	71-MAO	48-SCK	73-BAX
74-BAI-2	47-ALB	71-HEA	61-SAM	56-ARN	45-FIR	71-MAO-3	48-SCK-2	73-BAX-2
74-BAI-6	74-ALM	74-HEA	72-SAN-2	72-ATH	60-FOR	72-MAO	49-SCK-2	63-CAT
59-BUK	70-ATK	74-HEA-2	73-SAN	60-BAI	62-FOR-2	62-MAR	52-SCK	62-CHR
69-BUL	72-ATK	68-HEI	73-SAN-2	61-BAI	63-FOR	63-MAR	72-SEA	62-DOT
73-DUR	61-BAI-2	71-HEI	73-SAN-3	61-BAI-2	59-FRI	64-MAR	73-SEA	69-DUR
71-ERO	69-BAI	72-HEI	73-SAN-4	61-BAI-4	72-GOM	70-MAY	71-SEI	73-DUR
70-HAL	74-BAI	70-HOL	74-SAN	61-BAI-5	73-GOM	72-MCK	72-SEI	45-FID
64-KOS	74-BAI-2	71-HOL	48-SCK	62-BAI-3	74-GOM	72-MCR-2	72-SEI-2	70-HAL
56-LEM	74-BAI-3	65-HSI	48-SCK-2	63-BAI	53-HAK	71-MEW	73-SEI-2	70-HAL-2
71-LEV-3	74-BAI-4	74-ILY	49-SCK-2	63-BAI-2	70-HAL	72-MEW	73-SEI-3	60-JEW
70-LOR	74-BAI-5	72-INT	52-SCK	66-BAI	45-HAM	67-MOP	58-SMV	62-JEW-3
74-LOR	57-BAL	64-JEA	72-SEA	68-BAI	45-HAM-2	62-MOS	61-SMV	72-MAO
66-LYU	68-BLA	55-KAT	69-SMH-2	69-BAI	53-HAM-2	69-MOS-3	74-SMV	74-NOR
66-MOS-3	68-BRO	73-KEC	74-SMV	70-BAI-2	73-HAW	71-MOS-3	46-SNR-2	69-TAG-2
69-MOS-3	72-BRO	65-KHO	48-SNI	71-BAI	72-HUF	72-MOS-4	59-STB-2	71-TAG
74-MOS-2	59-BUK	66-KHO	73-SOL	73-BAI	72-INT	74-MOS	62-STB-2	72-TAG-3
61-NIF-2	67-BUL	72-KHO	75-STH	74-BAI-2	53-JOF	74-MOS-2	68-STB	69-TAY-2
70-RUD	69-BUL	74-KHO	75-STH-2	74-BAI-4	70-JOL-2	45-MUR	69-STB	67-THO
72-RUD	71-BUL-3	74-KOE	64-STV	74-BAI-5	72-JOL-2	48-MUR	71-STB	62-ULB
72-RUD-2	72-BUL-4	64-KOS	69-TAG	74-BAI-6	71-JOS	68-NGY	75-STH	
69-TAG	62-BUS	63-LAF	72-TAG	74-BAI-7	72-KAS	71-NIF-2	62-STV	
62-ULB	62-CAB	65-LAG	68-TAN	62-BAL	75-KAS	59-NOR	69-STW	
	45-COK	67-LAG	67-TAS	62-BAL-2	58-KAW	72-NOR	75-STW	
	64-COS	67-LAG-2	68-TAS	67-BAL	73-KEC	73-NOR	71-SUZ-2	
	74-CRD	59-LAN	70-TAS	45-BAR-2	74-KHA	74-NOR	69-TAG	
	46-CRJ	60-LAN	71-TAS	73-BAX	66-KHO	75-NOR	69-TAG-3	
	69-DEA	64-LAN	72-TAS	73-BAX-2	59-KON	63-OLA	71-TAG	
	56-DOC	47-LIS	67-THO	61-BEL	66-KRE	46-PAE	72-TAG	
	58-DOC	70-LOR	66-TOD	62-BEL	62-KRP	72-PAH	71-TAK	
	58-DOC-2	74-LOR	62-ULB	62-BEL-2	69-LAG	69-PAR	72-TAK	
	59-DOC	75-LOR	73-VAU	62-BEL-3	71-LAG	72-PAR	64-TAU	
	71-DOL	62-LUS	73-VAU-2	62-BEL-5	72-LAG	72-PUZ	61-TAY	
	74-DOL	67-LUS	68-WAL	64-BEL	72-LAG-2	68-RIC	62-TAY	
	65-DOW	74-MAD	70-WAR	64-BEL-2	73-LAG	64-ROB	62-TAY-2	
	72-DUC	67-MAO	53-WEK	64-BEL-3	59-LAN	72-ROJ	64-TAY	
	71-DUR	72-MAO	53-WEK-2	69-BEL	60-LAN	57-ROS	67-TAY	
	72-DUR-2	66-MCR	54-WEK	73-BIS	62-LAN	60-ROS	69-TAY	
	73-DUR	68-MOE	55-WEK-2	62-BOG	69-LAN	68-ROS	69-TAY-2	
	74-EMR	68-MOE-2	69-WEL	74-BRA	70-LEJ	68-ROS-2	71-TAY-2	
	71-ERO	70-MOH	56-WIH	45-BRM	74-LEJ	69-ROS	72-TAY	
	70-ERS	67-MOP	56-WIH-2	47-BRM	62-LEM-3	72-ROS-2	58-THO	
	74-ERS	66-MOS-3	67-WIH	72-BRU	62-LIB-2	73-ROS	66-THO	
	45-FID	72-MOS	51-WIJ	67-BUL	65-LIN	70-RUD	67-THO	
	74-FIL-2	57-NEF	59-WIL	68-BUL	68-LIN	72-RUD	64-THR	
	45-FIR	74-NEV	68-WIR	69-BUL	68-LIN-2	72-RUD-2	66-TOD	
	56-FOR-2	45-NIC-2	68-ZAL	72-BUL-3	69-LIN	51-RUE	63-TOM	
	57-FOR	61-NIF-2		72-BUL-5	69-LIN-2	60-RYS	60-TRE	
	58-FOR	58-NOR		62-BUS	70-LOR	61-RYS	66-TRE-3	
	60-FOR-2	62-NOR-2		62-CAB	74-LOR	62-RYS	62-ULB	
	65-FUQ	62-NOR-4		47-CAR	75-LOR	62-RYS-2	73-VAU	
	56-GEO	72-NOR		58-CLA	64-LYU-2	72-SAN-2	73-VAU-2	
	57-GEO	74-NOR		45-COK	66-LYU	73-SAN	54-WAG	
	74-HAK-1	75-NOR		45-COK-2	67-LYU	73-SAN-3	56-WEK	
	74-HAK-2	56-OAK		46-CRJ	69-LYU	73-SAN-4	64-WES	
	70-HAL	71-OSA		72-DOJ	72-LYU	75-SAN-2	52-WHI	
	53-HAM-2	71-OSA-3		64-DOL	72-LYU-2	74-SCG-2	59-WIL	
	74-HAN	73-PAK		71-DUR	72-LYU-3	49-SCH	72-WRI	
	75-HAN	69-PAR		72-DUR-2	69-MAG	55-SCH	68-ZAL	
	64-HAS	65-PUT		73-DUR	69-MAH-2	56-SCH	72-ZAL-3	
	71-HAV	74-RIC		74-DUR-2	74-MAH	61-SCH-2		

ORGANS, TISSUES, SECRETIONSThyroid

72-ATH	72-WAR
66-BAI	72-WRE
69-BAI	68-ZAL
74-BAI-4	
73-BIS	
59-BUK	
69-BUL	
62-BUS	
58-CLA	
71-DUR	
72-DUR-2	
73-DUR	
71-ERO	
70-HAL	
53-JOF	
69-JOL	
70-JOL-2	
72-JOL-2	
64-KOS	
72-LAG-2	
73-LAG	
74-LEJ	
70-LOR	
72-LOR-2	
74-LOR	
75-LOR	
72-MAY-2	
72-MCK	
72-MCR-2	
67-MOP	
66-MOS-3	
69-MOS-3	
72-MOS-4	
74-MOS-2	
66-NIF-2	
73-NOR	
74-NOR	
75-NOR	
69-PAR	
72-ROJ	
70-RUD	
72-RUD	
72-RUD-2	
72-RUD-3	
51-RUE	
72-SEA	
71-SEI	
72-SEI	
73-SEI	
73-SOL	
72-STB-2	
69-STW	
69-TAG	
69-TAG-3	
71-TAG	
72-TAG	
72-TAG-3	
72-THR-2	
62-ULB	
73-VAU	
73-VAU-2	

METABOLISM

	A	B	C	D	E
45-ABR			X		
46-ABR	X		X	X	
47-ABR			X		
68-ADE	X*				
73-ADE	X*				
70-ADM					
75-ADM					
71-ALD			X	X	
72-ALD			X		
70-ALV					
74-ANE	X*		X	X	
70-ANH			X		
69-ANT	X*				
70-ARK					
71-ARK					
51-ARN	X				
51-ARN-2	X				
56-ARN	X*				
57-ARN	X*			X	X
59-ARN	X*			X	
62-ARN	X*				
72-ARN	X*			X	
52-ASL	X*				
52-ASL-2	X*				
72-ATH					
66-BAC					
60-BAI	X*		X		
61-BAI	X		X		
61-BAI-2			X		
61-BAI-3			X	X	
61-BAI-4	X*		X	X	
61-BAI-5			X		
62-BAI				X	
62-BAI-3			X		
63-BAI			X		
63-BAI-2			X		
64-BAI	X*				
66-BAI	X*		X	X	
68-BAI			X		
69-BAI			X		
70-BAI			X		
70-BAI-2	X*		X		
70-BAI-4	X*		X	X	
70-BAI-5			X		
71-BAI	X*		X		
73-BAI	X*		X	X	
74-BAI	X*	X	X	X	
74-BAI-2	X*	X	X	X	X
74-BAI-3	X*		X	X	
74-BAI-4			X		
74-BAI-5	X*		X	X	X
74-BAI-6	X		X	X	
74-BAI-7	X		X	X	
57-BAL					
58-BAL					X
61-BAL					
62-BAL					
62-BAL-2			X		
62-BAL-3					
62-BAL-4					
64-BAL	X*	X	X	X	
66-BAL					
67-BAL			X		
72-BAL					

	A	B	C	D	E
72-BAL-2			X		
74-BAN				X	
45-BAR	X	X			
45-BAR-2		X			
72-BAX					
73-BAX	X*	X	X		
73-BAX-2					
64-BEA			X		
66-BEA			X		
73-BEA			X		
74-BEG			X	X	
74-BEG-2					
74-BEG-3					
59-BEL	X*	X	X		
60-BEL			X		
60-BEL-2					
61-BEL			X		
62-BEL		X	X		
62-BEL-2			X		
62-BEL-3	X*	X	X		
62-BEL-4			X		
62-BEL-5					
64-BEL					
64-BEL-2	X	X			
64-BEL-3					
69-BEL			X		
68-BEM	X*	X			X
65-BEN	X				
72-BIS			X		
73-BIS	X*	X	X		
67-BLE	X*		X	X	
69-BLE	X*		X	X	X
69-BLE-2	X		X	X	X
71-BLE	X*			X	
65-BOC	X	X			
66-BOC	X	X			
70-BOC	X*	X			
59-BOE					
67-BOS					
71-BRA	X*		X	X	
74-BRA	X*		X	X	
69-BRE				X	X
75-BRI			X		
74-BRJ			X		
47-BRM	X*				
51-BRM	X		X	X	
69-BRU	X	X	X		
69-BRU-2		X			
71-BRU	X*	X			
72-BRU	X*	X			
59-BUK		X		X	
68-BUK			X		
69-BUK	X*	X		X	
61-BUL			X		
67-BUL	X*				X
68-BUL	X		X		X
68-BUL-2	X*		X	X	
69-BUL	X*	X	X	X	X
71-BUL-2				X	
71-BUL-3	X			X	
71-BUL-4				X	
72-BUL				X	
72-BUL-2	X		X		
72-BUL-3				X	

A. Microdistribution
(* - Cellular)

B. Biochemical Binding

C. Retention

D. Dosimetry

E. Data from Non-Adults

	A	B	C	D	E
72-BUL-4	X		X		
62-BUS			X		X
62-CAB	X		X		
73-CAG	X			X	
63-CAH					
69-CAM		X			
73-CAM					
47-CAR			X		
60-CAS	X*		X		
68-CAS	X*	X	X		
61-CAT		X	X		
62-CAT			X		
63-CAT	X*	X	X	X	
74-CHD					
68-CHI	X*	X			
70-CHI	X*	X			
70-CHI-2	X	X			
72-CHI	X	X			
58-CLA			X		
62-CLA			X	X	X
64-CLA	X*			X	
64-CLA-2	X*			X	
65-CLA	X*	X			
66-CLA	X*			X	
62-COH	X*	X		X	
45-COK	X*	X	X		
45-COK-2			X		
72-CON			X		
73-CON			X		
74-CON			X		
47-COP	X	X	X		X
56-COP		X			
64-COS	X		X	X	
74-CRD					X
46-CRJ			X		
71-CUM					
73-DAG	X*	X	X		
75-DAG	X*	X	X		
75-DAG-2					X
74-DAN	X*	X	X	X	
61-DAV			X		
48-DEP	X				
56-DCB					
56-DOC	X				
58-DOC	X*				
58-DOC-2	X*				
59-DOC	X*				
73-DOE					
74-DOE					
74-DOE-2					

METABOLISM

A. Microdistribution
(* - Cellular)

B. Biochemical Binding

C. Retention

D. Dosimetry

E. Data from Non-Adults

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
55-DOJ	X*				
62-DOJ	X*			X	
69-DOJ			X		
70-DOJ	X*			X	
71-DOJ	X*			X	
64-DOL	X*	X	X	X	
71-DOL	X*	X	X		X
72-DOL	X*		X	X	
72-DOL-2			X	X	
73-DOL	X		X	X	
65-DOS	X	X			
62-DOT	X	X	X	X	
69-DOT	X			X	
65-DOW	X*		X		X
73-DUA	X*	X	X		
60-DUR	X	X	X		
61-DUR	X		X	X	X
62-DUR	X	X			
69-DUR	X	X	X		
71-DUR	X*	X	X		
72-DUR	X*	X	X		
72-DUR-2	X*	X	X		
73-DUR	X*	X	X	X	X
74-DUR-2	X*	X	X		X
73-EIS				X	
68-ELI	X*				X
61-ELK	X	X			
62-ELK	X	X			
63-ELK-2	X			X	
67-ELK	X			X	
71-ELK	X				X
74-EMR					
60-ERL	X				
64-ERO	X*	X	X	X	
66-ERO	X*		X	X	
71-ERO	X*			X	
70-ERS	X				
74-ERS	X		X	X	
64-EVI			X		
64-FAB	X	X		X	
73-FAB	X*		X	X	X
75-FEL	X				
45-FID	X	X	X		
74-FIL				X	
47-FIN					X
47-FIN-2			X		X
47-FIN-3					
68-FIN	X			X	
72-FIS	X	X	X	X	X
57-FOR					
60-FOR		X	X	X	

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
62-FOR	X	X			X
62-FOR-2			X		
63-FOR	X				
63-FOS					
59-FRI					
65-FUQ			X		
72-GAV			X	X	
74-GAV				X	
57-GEO	X				
75-GOF	X*		X	X	X
72-GOM					
73-GOM	X*	X	X	X	
74-GOM			X		
74-GRO-2			X		
53-HAC					
71-HAE					
75-HAI	X			X	
74-HAK-1					
74-HAK-2					
70-HAL	X	X	X		X
70-HAL-2	X*	X	X		X
44-HAM					
44-HAM-2			X		
45-HAM	X		X		
45-HAM-2	X				
47-HAM	X		X		
48-HAM	X		X		
49-HAM	X		X		
49-HAM-2			X		
53-HAM					
53-HAM-2					
74-HAN					
75-HAN					
64-HAS			X	X	
68-HAS			X		
73-HAW					
72-HAX			X		
57-HEA					
74-HEA	X		X	X	X
74-HEA-2	X			X	
72-HEI			X		
48-HEL	X*	X			
48-HEL-2	X				
73-HEM	X*			X	
73-HEM-2	X*			X	
74-HEM				X	
62-HER	X*	X			
71-HES			X		
72-HOG		X	X		
73-HOG		X	X	X	X
74-HOG	X	X			X
75-HOG		X	X		
70-HOL					
75-HOM	X		X		
73-HOV			X		
74-HOV					
71-HOW	X			X	
65-HSI	X				
72-HUF			X		
74-ILY	X		X		
66-INT			X	X	
68-INT	X*	X	X	X	
68-INT-2			X	X	
71-INT			X	X	
72-INT	X*	X	X		

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
69-JAM	X*	X			
70-JAM	X*			X	
71-JAM	X*	X		X	
72-JAM	X			X	X
72-JAM-2	X*			X	
71-JAW					
73-JAW					
73-JAW-2					
64-JEA				X	
71-JEA				X	
72-JEC				X	
60-JEW	X				
60-JEW-2	X	X			
61-JEW	X	X			
62-JEW	X				X
62-JEW-2	X*	X			
72-JEW-3	X*	X	X	X	
53-JOF					
69-JOL					
70-JOL				X	
70-JOL-2					
72-JOL				X	
72-JOL-2					
68-JON				X	
74-JOR					X
71-JOS				X	
72-JOY				X	
72-KAL-3					X
74-KAN		X			
74-KAO			X		
71-KAS	X				
72-KAS					X
73-KAS	X			X	
75-KAS	X			X	
55-KAT				X	
55-KAT-2					
50-KAW					
53-KAW					
58-KAW	X		X		
63-KAW					
73-KEC		X	X		
74-KHA					
65-KHO	X				
66-KHO	X				
47-KIS					
73-KNE					
74-KOE				X	
62-KON					
63-KON	X				
61-KOS	X				X
64-KOS					
68-KOS	X				
69-KOS					
71-KOS	X	X			X
71-KOS-2					X
72-KOS-2	X*	X	X	X	X
69-KOT				X	X
64-KRA					X
66-KRE				X	
62-KRP					
70-KUN	X*		X		
70-KUN-2				X	
70-KUN-3				X	
71-KUN				X	
73-LAD		X			

METABOLISM

	A	B	C	D	E
71-LAF			X		
72-LAF					
74-LAF			X	X	
74-LAF-2	X		X	X	
74-LAF-3			X	X	
65-LAG			X		
67-LAG			X		
67-LAG-2			X		
69-LAG				X	
71-LAG				X	
72-LAG					
72-LAG-2					
73-LAG					
46-LAH					
45-LAN			X		
50-LAN					
51-LAN	X		X		
56-LAN			X		
57-LAN			X		
59-LAN	X	X	X		
60-LAN			X		X
62-LAN	X				
64-LAN					X
69-LAN	X		X	X	X
72-LAN	X			X	
70-LEJ	X				
74-LEJ	X*	X	X	X	
61-LEM	X*	X			
62-LEM	X*	X			
62-LEM-2	X*	X	X		
62-LEM-3	X*	X	X		
64-LEM				X	
68-LEM					
71-LEV	X			X	
71-LEV-2	X*	X	X	X	
71-LEV-3	X	X		X	
72-LEV	X			X	
72-LEV-2	X*	X	X	X	
74-LEV	X				
64-LIA			X		
62-LIB	X				
74-LIK					
60-LIN			X		
62-LIN			X		
65-LIN					
68-LIN	X*				
68-LIN-2	X*				
69-LIN					
69-LIN-2	X*				
72-LIN	X*	X	X	X	
53-LIS				X	
59-LIS	X*				
68-LOE	X			X	
71-LOE	X			X	
72-LOE	X		X	X	X
68-LOG			X		
71-LON	X			X	
70-LOR	X		X	X	
72-LOR			X		
72-LOR-2	X	X	X	X	
74-LOR			X		
75-LOR			X		
62-LUS	X			X	
67-LUS	X			X	

	A	B	C	D	E
70-LUT	X*		X	X	
71-LYA				X	
64-LYU			X	X	
64-LYU-2			X	X	X
65-LYU					
66-LYU	X		X	X	
66-LYU-2					
67-LYU	X*		X		
68-LYU	X		X		
69-LYU	X	X	X	X	
69-LYU-2	X*	X	X		X
69-LYU-3	X		X		
72-LYU	X*		X		
72-LYU-2	X		X	X	
72-LYU-3	X		X	X	
67-MAG					X
69-MAG				X	X
65-MAH				X	
66-MAH	X*				
67-MAH	X*	X			
69-MAH					
74-MAH			X	X	X
68-MAI					
69-MAJ	X*	X	X	X	
73-MAJ	X*	X	X	X	X
67-MAN			X	X	
71-MAO	X		X		
71-MAO-2					
72-MAO	X		X		
68-MAP		X			
62-MAR			X		
63-MAR					
64-MAR			X		
69-MAY	X*		X	X	
70-MAY			X	X	
72-MAY-2	X*	X	X	X	X
68-MCB					
72-MCK	X*		X	X	
62-MCR					
66-MCR			X		
72-MCR			X	X	
72-MCR-2			X	X	
74-MET			X		
71-MEW	X		X	X	
71-MEW-2	X		X	X	
71-MEW-3	X		X	X	
72-MEW			X	X	
72-MIL					
70-MOH					
61-MOP	X*		X	X	
67-MOP			X	X	
71-MOR			X		
72-MOR	X*		X		
73-MOR	X	X	X		
73-MOR-2			X		
73-MOR-3			X		
73-MOR-4			X		
74-MOR			X		
58-MOS				X	
63-MOS					
64-MOS					
65-MOS			X	X	
66-MOS					
66-MOS-2			X	X	

A. Microdistribution
(* - Cellular)

B. Biochemical Binding

C. Retention

D. Dosimetry

E. Data from Non-Adults

	A	B	C	D	E
67-MOS-2	X		X		
69-MOS	X				
69-MOS-3	X		X	X	
69-MOS-4			X	X	X
71-MOS-3			X	X	
71-MOS-4	X*			X	
72-MOS	X*	X	X	X	
72-MOS-3			X		
72-MOS-4	X		X	X	
73-MOS					X
73-MOS-3	X			X	
73-MOS-4			X		
74-MOS			X	X	
74-MOS-2				X	
74-MOS-4			X		
74-MUH					
47-MUN			X		
48-MUR	X*				
48-MUR-2	X				
72-MYE			X	X	
61-NAT	X			X	
72-NAT	X			X	
72-NEC					
73-NEC			X		
73-NEC-2		X			
73-NEC-3					
68-NEL			X		
69-NEL			X		
72-NEL			X		
72-NEL-2	X				
67-NEO	X*	X			
70-NEO			X		
71-NEO-2			X		
71-NEO-3			X		
71-NEO-4			X		
71-NEO-5		X	X		
72-NEO	X*	X	X		
72-NEO-2			X		
74-NEV		X	X	X	X
68-NEW				X	
68-NGY			X		
45-NIC-2			X		
62-NIF	X*			X	
71-NIF	X*			X	
71-NIF-2		X		X	
72-NIF			X	X	
72-NIF-2	X			X	
72-NOL	X*				
73-NOL	X*				
59-NOR	X		X	X	

METABOLISM

A. Microdistribution
(* _ Cellular)

B. Biochemical Binding

C. Retention

D. Dosimetry

E. Data from Non-Adults

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
60-NOR					
63-NOR-2					
72-NOR			X	X	X
73-NOR	X				
74-NOR	X				
75-NOR					
71-NOS					
72-NOS-2					
56-OAK					
73-OHL			X		
73-OKA				X	X
63-OLA	X		X	X	
71-OSA	X		X	X	
71-OSA-2					
71-OSA-3	X		X	X	
73-OSA			X		
63-OSB				X	
71-OVC			X	X	X
71-OVC-3			X	X	X
72-OVC			X		X
72-OVC-2	X				
72-OVC-4	X			X	
43-OVE	X		X		
46-PAE	X	X	X		
73-PAF			X	X	
62-PAH			X		
72-PAH			X		
73-PAK			X	X	
72-PAM			X		
62-PAR	X*		X	X	
64-PAR	X*				
65-PAR				X	
69-PAR	X*	X	X	X	
71-PAR	X		X	X	
72-PAR			X	X	
74-PAR			X		
71-PAT					
64-PEN					
72-PES	X				
72-PES-2				X	
64-PL0					
68-POL		X			
71-POL	X*	X			
73-POL	X*	X			
73-POL-2	X*	X			
73-POV					
71-PRI					
73-PRI-2					
65-PUT				X	
72-PUZ	X*	X	X		
64-RAH	X*	X	X		

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
73-RAH	X*				
69-RAM					
70-RAM			X		
72-RAM			X		
48-RHO	X*				
48-RHO-2	X*				
68-RIC	X			X	
70-RIC	X			X	
74-RIC	X			X	
74-RIC-2	X			X	
64-ROB	X		X		
62-ROE					
72-ROJ			X		
69-ROL	X			X	
70-ROM					
72-ROQ					
56-ROS-2			X		
57-ROS			X		
60-ROS			X		
62-ROS			X		
64-ROS					
67-ROS	X		X	X	
68-ROS	X		X		
68-ROS-2	X		X		
69-ROS					
69-ROS-2	X		X	X	
72-ROS	X*	X			
72-ROS-2	X		X		
73-ROS	X*	X	X		
69-ROW	X*				
70-RUD	X*	X	X	X	
71-RUD	X*				
72-RUD	X	X		X	
72-RUD-2	X	X			
72-RUD-3	X				
74-RUD	X			X	
45-RUE		X	X		
51-RUE			X		
72-RUN					X
74-RUN			X		
60-RYS			X		
61-RYS			X		
62-RYS			X	X	
62-RYS-2			X	X	X
71-RYS	X*	X		X	
64-SAB					
60-SAM			X		
61-SAM			X		
68-SAM	X		X		
74-SAM			X	X	
68-SAN	X*		X		
68-SAN-2	X*		X		
69-SAN	X*		X	X	
69-SAN-2	X*		X		
69-SAN-3	X*		X	X	
70-SAN	X*		X	X	
70-SAN-2	X		X		
70-SAN-3	X			X	
70-SAN-5	X*		X		
71-SAN	X*	X	X	X	
71-SAN-2	X		X	X	
72-SAN	X*		X	X	
72-SAN-2	X	X		X	
73-SAN	X*	X	X	X	
73-SAN-2	X		X	X	

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
73-SAN-3			X		
73-SAN-4	X	X	X	X	
74-SAN					
74-SAN-2	X*	X	X	X	
75-SAN	X		X	X	
75-SAN-2	X		X	X	
74-SCA		X	X		
68-SCF			X		
69-SCG			X		
73-SCG			X		
74-SCG			X		
74-SCG-2				X	
74-SCG-3			X		
47-SCH					
49-SCH			X		
50-SCH			X		
50-SCH-2			X		
51-SCH					
55-SCH		X	X		
56-SCH		X	X		
61-SCH-2	X*	X	X		
46-SCK	X		X		
46-SCK-2			X		
48-SCK	X		X		
48-SCK-2	X		X		
49-SCK	X		X		
49-SCK-2	X		X		
52-SCK			X		
71-SCR					
71-SEA-2			X		
71-SEA-3			X		
72-SEA			X		
73-SEA					X
58-SED		X			
71-SEI			X		
72-SEI			X		
72-SEI-2					
72-SEI-3					
73-SEI			X		
73-SEI-2			X		
73-SEI-3			X		
73-SEI-4					
74-SEI			X		
75-SEI			X		
75-SEI-2	X		X		
68-SHL				X	
61-SHT					
74-SHV	X	X	X		
68-SIK					X
68-SIK-2			X		X
72-SIK		X	X	X	X
72-SIK-2	X			X	X
64-SMH			X		
65-SMH			X		
69-SMH			X		
69-SMH-2			X		
70-SMO				X	
58-SMV					
61-SMV			X		
64-SMV					
64-SMV-2					
68-SMV	X		X		
72-SMV	X*				
74-SMV			X		
46-SNR			X		

METABOLISM

	A	B	C	D	E
64-SNY			X		
64-SNY-2					
60-SOW					
68-SPI	X			X	
71-SPI	X*		X	X	
71-STA	X	X	X		X
59-STB	X	X	X	X	
59-STB-2		X	X	X	
62-STB	X	X	X	X	
62-STB-2			X	X	
68-STB	X*		X	X	
68-STB-2		X	X		
69-STB		X	X	X	
70-STB	X*	X	X		
71-STB			X	X	
72-STB-2	X*	X	X	X	
72-STB-3	X*	X	X	X	
72-STB-5			X	X	
72-STB-6	X	X	X	X	X
74-STB	X	X	X	X	X
75-STH			X		
75-STH-2			X		
73-STJ	X			X	
73-STJ-2	X		X	X	
73-STJ-3			X	X	
65-STK			X		
69-STK-2			X	X	
45-STR	X				
68-STU			X		
70-STU			X		
73-STU			X	X	
73-STU-2			X		
64-STW	X*				
65-STW		X			
68-STW		X	X		
69-STW	X*	X			
72-STW		X	X		
75-STW	X*	X	X		
71-SUZ-2			X		
62-SWA			X		
64-SWA			X		
68-SWI			X		
62-TAG-2	X				
69-TAG-2	X				
69-TAG-3	X				
71-TAG	X*	X		X	
72-TAG	X*				
72-TAG-2	X*	X	X	X	
72-TAG-3	X*			X	
71-TAK					
72-TAK			X		
74-TAM	X			X	
75-TAM					
68-TAR				X	
67-TAS	X				
68-TAS	X				
70-TAS	X				
72-TAS		X			
64-TAU			X		
61-TAY	X*		X	X	
62-TAY			X		
62-TAY-2	X	X	X		
64-TAY	X		X	X	
67-TAY					

	A	B	C	D	E
69-TAY	X*	X	X		
69-TAY-2	X*	X	X	X	
69-TAY-3	X*	X	X		
70-TAY	X*	X			
71-TAY	X*	X			
72-TAY-2	X	X	X	X	
72-TAY	X*	X	X		
72-TAY-2	X*	X	X		
73-TAY		X			
73-TAY-2		X			
74-TEA	X		X	X	
59-TEM	X			X	
60-TEM	X*				
72-TES			X		
73-TES			X		
56-THO	X				
58-THO			X	X	X
60-THO	X		X	X	
66-THO			X	X	
67-THO	X*	X	X	X	X
72-THO-2			X	X	
74-THO	X		X	X	X
74-THO-2	X			X	X
64-THR			X		
68-THR					
70-THR			X		
72-THR			X		
72-THR-2	X	X	X	X	
72-THR-3	X*	X		X	
66-TOD			X		
63-TOM			X		
66-TRE			X		
66-TRE-2				X	X
66-TRE-3					
71-TRN	X*	X	X		
60-TSE	X	X			
62-TSE	X	X			
66-TSE				X	
68-TSE		X	X	X	
69-TSE			X	X	
71-TSE		X	X		
68-TUR	X				
68-TUR-2		X	X		
61-TWE	X			X	
62-ULB	X		X		
72-UNS				X	
60-VAJ			X		
47-VAL	X	X	X		
71-VAN			X		
71-VAN-2					
56-VAU	X	X			
62-VAU	X			X	
65-VAU	X*		X	X	
67-VAU	X*	X	X	X	
71-VAU	X			X	
72-VAU	X*	X	X		
73-VAU	X*	X	X	X	X
73-VAU-2	X*	X	X	X	X
66-VER			X		
58-VOG	X*				
74-VOH			X	X	
71-VOL	X		X	X	
74-VOL					
74-VOL-2					

A. Microdistribution
(* - Cellular)

B. Biochemical Binding

C. Retention

D. Dosimetry

E. Data from Non-Adults

	A	B	C	D	E
74-VOL-3			X		
75-VOL			X		
69-WAC					
71-WAC					
71-WAC-2				X	
71-WAC-3				X	
71-WAC-4				X	
72-WAC				X	
72-WAC-2					
66-WAE				X	
54-WAG					
72-WAI				X	X
68-WAL		X		X	
70-WAR		X			
72-WAR				X	X
72-WAR-2				X	
75-WAS				X	
71-WEH				X	
53-WEK					
53-WEK-2				X	
54-WEK					
55-WEK					
55-WEK-2		X*		X	
56-WEK				X	
69-WEL					
64-WES				X	X
72-WHA					X
52-WHI				X	
74-WIE					
56-WIH		X			
56-WIH-2				X	
59-WIH				X	
59-WIH-2				X	
60-WIH				X	
67-WIH				X	
59-WIL		X	X	X	X
67-WIM		X	X		
53-WIP					
60-WIR		X			
67-WIR				X	X
68-WIR				X	X
68-WOD		X			X
71-WON					
72-WON					
73-WOS					X
72-WRE				X	X
74-WRE					
72-WRI				X	
68-ZAL				X	
69-ZAL		X			X

METABOLISM

- A. Microdistribution
(* - Cellular)
- B. Biochemical Binding
- C. Retention
- D. Dosimetry
- E. Data from Non-Adults

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
72-ZAL			X		
72-ZAL-2					
72-ZAL-3			X		
73-ZAL			X		
74-ZAL			X		
74-ZAP			X		
66-ZLO			X		
70-ZLO		X	X		
71-ZLO		X			
71-ZLO-2		X			

TOXICITY

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
46-ABR	X	X	X		X	X			
74-ALB	X			X					
74-ANE	X		X	X	X				
69-ANT		X	X	X		X			
72-ARI		X							
57-ARN	X							X	
59-ARN	X								
62-ARN	X								
70-ATK	X	X							
72-ATK	X	X							
73-ATK	X								
64-BAD		X			X				
58-BAI						X			
60-BAI		X	X	X	X				
61-BAI-3	X	X	X		X				
61-BAI-4	X	X		X	X				
62-BAI	X	X	X		X				
62-BAI-2			X						X
66-BAI	X		X	X	X				
68-BAI		X			X				
70-BAI			X	X					
70-BAI-2		X	X	X	X				
70-BAI-4	X	X	X	X	X				
70-BAI-5		X		X	X				
71-BAI		X	X	X	X				
73-BAI	X	X	X	X	X	X			
74-BAI	X	X	X	X*	X	X		X	
74-BAI-2	X	X	X	X*	X	X		X	
74-BAI-3	X	X	X	X	X	X	X		
74-BAI-5	X	X		X*	X		X	X	X
74-BAI-6	X			X*	X				
74-BAI-7	X			X*	X				
62-BAL		X	X		X			X	
67-BAL		X	X		X			X	
72-BAL-2				X					
74-BAN	X			X					
45-BAR-2		X				X			
62-BED						X			
69-BED						X			
70-BEJ						X			
62-BEL-2			X	X	X				
68-BEM					X	X		X	
65-BEN	X		X	X*					
69-BEN				X					
68-BEV	X			X					
73-BEY		X		X*					
64-BLA			X						
68-BLA	X		X	X					
72-BLA	X			X					
67-BLE	X			X*					
71-BLE	X			X					
74-BLM				X*		X			
48-BLO					X				
49-BLO				X					
47-BLW		X							
48-BLW		X		X	X				
48-BLW-2		X							
61-BOG					X			X	
62-BOG				X	X				
63-BOG					X				
50-BOY		X	X		X				
50-BOY-2		X	X		X				
71-BRA	X	X	X				X		

- A. Dosimetry
- B. Acute Effects
- C. Survival Data
- D. Neoplasia
(* - Leukemia)
- E. Hematological Effects
- F. Biochemical Effects
- G. Chromosomal Effects
- H. Combined Insults
- I. Effects in Non-Adults

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
72-BRA	X						X		
74-BRA	X						X		
73-BRI				X		X		X	
45-BRM		X		X	X	X			
47-BRM		X	X	X	X				
51-BRM	X	X	X	X					
70-BUC							X		
73-BUC	X	X					X		
59-BUK	X		X	X	X				
61-BUK		X	X	X	X	X			
62-BUK	X		X	X	X	X			
68-BUK			X	X					
69-BUK	X	X	X	X					
74-BUK	X								
61-BUL-2		X	X	X	X				
67-BUL		X							X
69-BUL	X	X	X	X*	X	X			X
69-BUL-2	X	X	X	X	X			X	
70-BUL	X	X	X		X				
71-BUL-2	X	X	X		X				
71-BUL-3	X	X	X	X*					
71-BUL-4	X	X	X	X	X				
72-BUL	X		X		X				
72-BUL-3	X	X	X		X				
72-BUL-4		X							
72-BUL-5	X	X	X		X				
62-BUS					X				X
72-BUS	X		X	X					
62-CAB		X							
73-CAG	X			X					
63-CAH		X	X						
73-CAJ		X							
63-CAT	X		X	X		X			
68-CHI				X					
70-CHI				X					
62-CHR				X					
72-CHR				X					
62-CLA	X					X			X
62-CLA-2	X					X			X
64-CLA	X	X	X		X				

TOXICITY

A. Dosimetry

B. Acute Effects

C. Survival Data

D. Neoplasia
(* - Leukemia)

E. Hematological Effects

F. Biochemical Effects

G. Chromosomal Effects

H. Combined Insults

I. Effects in Non-Adults

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
64-CLA-2	X	X	X	X	X				
65-CLA		X	X	X	X	X			
66-CLA	X			X					
62-COH	X			X					
45-COK		X			X	X			
45-COK-2		X	X		X				
73-CON				X	X				
47-COP					X			X	
64-COS	X								
73-DAG					X				
75-DAG		X							
74-DAN	X			X		X			
69-DEA	X			X					
72-DEF		X	X						
48-DEP		X							
72-DIL					X	X			
55-DOJ		X			X				
62-DOJ	X	X			X				
69-DOJ		X			X				
70-DOJ	X	X			X				
71-DOJ	X				X				
72-DOJ	X	X		X	X				
71-DOL				X			X		
72-DOL	X			X*	X		X		
72-DOL-2	X						X		
74-DOL	X			X					
65-DOS		X				X			
62-DOT	X		X	X	X	X			
62-DOT-3	X		X	X				X	
69-DOT	X			X					
72-DRM	X			X					
73-DUR	X	X	X	X*	X	X	X	X	
74-DUR-2				X				X	X
68-ELI						X		X	
61-ELK		X				X			
62-ELK		X				X			
62-ELK-2	X	X			X	X			
63-ELK	X	X				X			
63-ELK-2						X			
67-ELK	X	X				X			
67-ELK-2		X		X		X			
71-ELK		X		X		X			
62-ERD			X						
64-ERO	X	X		X					
66-ERO	X			X					

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
69-ERO			X	X					
71-ERO	X		X	X*					
62-EVA	X			X					
66-EVA	X			X					
72-EVA	X			X					
64-EVI				X					
64-FAB	X			X		X			
73-FAB	X		X	X				X	
69-FAI	X								
70-FAI	X								
70-FAI-2	X								
73-FAI	X								
46-FID			X		X				
74-FIL	X		X	X					
74-FIL-2	X		X	X*					
47-FIN				X					X
47-FIN-3									X
53-FIN	X		X	X					
56-FIN	X		X	X					
59-FIN			X	X*					
61-FIN			X	X					
62-FIN			X	X	X				
68-FIN	X		X	X					
45-FIR	X	X	X		X				
50-FIR		X	X		X				
63-FOR				X					
65-FUQ				X					
72-GAV	X		X	X	X				
74-GAV	X			X					
68-GES	X			X					
68-GES-2	X			X					
74-GIL	X			X					
74-GIL-3				X					
75-GOF	X			X				X	X
75-GOF-2	X			X				X	X
62-GOL				X		X			
71-GRI	X		X	X					
64-HAS	X								
70-HAZ	X							X	
71-HAZ	X								
72-HAZ	X								
72-HAZ-2	X								
74-HAZ	X								
74-HEA	X	X		X					X
74-HEA-2	X			X					
48-HEL		X					X		
48-HEL-2		X							
73-HEM	X		X					X	
73-HEM-2	X		X					X	
74-HEM	X							X	
71-HOW	X	X	X	X					
68-INT	X			X*					
72-INT				X*					
69-JAM						X			
70-JAM	X			X					
71-JAM	X			X*					
72-JAM	X			X					X
72-JAM-2	X			X					
46-JAO		X	X		X				
49-JAO					X				
60-JEW				X					
60-JEW-2				X					
61-JEW		X		X					
62-JEW	X			X		X			
62-JEW-3	X								

TOXICITY

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
62-JEW-4	X								
64-JEW	X			X					
69-JEW	X					X			
71-JEW	X	X		X		X			
72-JEW	X			X*		X			X
72-JEW-3	X								
64-KAL	X	X			X	X			
68-KAL					X	X			
69-KAL					X	X			
72-KAL					X	X			
72-KAL-2	X		X		X	X			
72-KAL-3	X		X		X	X			
72-KAS						X			X
71-KAV						X			
74-KAV								X	
73-KEC		X	X	X	X				
66-KHO		X							
58-KON						X			
59-KON						X			
62-KON			X			X			
62-KON-2			X		X	X			
63-KON						X			
63-KON-2			X			X			
61-KOS	X	X	X	X					
64-KOS			X	X	X	X		X	
68-KOS			X						
69-KOS			X	X					
71-KOS	X		X	X		X			
71-KOS-2	X		X	X*			X		
72-KOS	X					X			
72-KOS-2	X					X			
72-KOS-3			X	X*				X	
73-KOS						X			
74-KOS			X	X					
74-KOS-2	X			X					
64-KRA	X		X						
66-KRE		X	X						
68-KRE						X			
70-KRE		X	X			X			
73-KRI			X						
64-KUD			X		X			X	
67-KUD	X				X				
69-KUD					X				
72-KUD					X				
70-KUN		X							
73-LAD	X			X					
74-LAE	X			X					
74-LAF	X		X	X					
74-LAF-2	X		X	X					
74-LAF-3	X			X					
51-LAN		X	X	X	X				
59-LAN		X	X	X	X	X			
62-LAN				X					
68-LAN	X			X					
69-LAN	X			X*					X
70-LEJ				X					
74-LEJ	X			X	X	X			
62-LEM-3					X				
64-LEM	X			X					
66-LEM	X		X	X*	X			X	
68-LEM		X	X						
71-LEV	X		X	X					
71-LEV-2	X	X	X	X					

- A. Dosimetry
 B. Acute Effects
 C. Survival Data
 D. Neoplasia
 (* - Leukemia)
 E. Hematological Effects
 F. Biochemical Effects
 G. Chromosomal Effects
 H. Combined Insults
 I. Effects in Non-Adults

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
71-LEV-3	X			X*	X				
72-LEV	X		X	X					
72-LEV-2	X	X	X	X					
74-LEV		X		X					
74-LEV-2		X		X					
75-LEV	X		X	X*					
62-LIB					X	X			
62-LIB-2	X					X			
66-LIB				X		X			
75-LIN	X								
47-LIS		X		X					
53-LIS	X	X		X					
59-LIS		X		X					
59-LIT		X				X			
72-LOE	X			X					X
70-LOR	X		X						
72-LOR-2	X			X		X			
62-LUS	X			X					
67-LUS	X			X					
70-LUT	X								
71-LYA	X	X		X					
73-LYA	X								
64-LYU-2	X								X
66-LYU	X	X	X	X*		X			
69-LYU-2									X
70-MAE	X			X					
65-MAH	X			X				X	
66-MAH		X	X			X			
67-MAH								X	
69-MAH	X	X		X		X			X
69-MAH-2			X						
71-MAH						X		X	
74-MAH	X	X	X	X		X			X
68-MAI				X					
69-MAJ	X			X					
73-MAJ	X			X					X
71-MAO-3		X	X		X	X			
71-MAS		X							
69-MAY	X		X	X					
70-MAY	X		X	X				X	
72-MAY	X			X					
72-MAY-2	X		X	X*	X	X			X

TOXICITY

A. Dosimetry

B. Acute Effects

C. Survival Data

D. Neoplasia
(* - Leukemia)

E. Hematological Effects

F. Biochemical Effects

G. Chromosomal Effects

H. Combined Insults

I. Effects in Non-Adults

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
72-MCK	X	X	X				X		
62-MCR-2					X				
66-MCR		X							
72-MCR	X						X		
72-MET				X					
74-MET		X	X	X					
67-MOP	X				X				
58-MOS	X	X	X						
61-MOS	X		X	X	X				
62-MOS		X	X	X	X				
64-MOS			X	X					
65-MOS	X		X	X*			X		
65-MOS-2	X			X*					
65-MOS-3	X			X*					
66-MOS				X					
66-MOS-2	X	X	X	X*	X		X		
66-MOS-3	X		X	X*			X		
67-MOS				X					
67-MOS-2		X	X	X*	X				
69-MOS				X	X				
69-MOS-2	X			X*			X		
69-MOS-3	X			X*	X				
69-MOS-4	X		X					X	
71-MOS		X	X	X	X				
71-MOS-2				X					
71-MOS-3	X	X	X	X	X				
71-MOS-4	X	X	X	X			X		
72-MOS	X	X	X	X	X				
72-MOS-2	X	X	X		X				
72-MOS-3				X					
72-MOS-4	X	X	X	X*	X	X			
73-MOS-2	X			X					
73-MOS-3	X	X	X	X	X				
73-MOS-4		X	X	X	X				
74-MOS	X	X	X	X*	X	X			
74-MOS-2	X	X	X	X	X				
74-MOS-3	X			X*					
47-MUN						X			
45-MUR		X		X		X			
48-MUR		X	X						
48-MUR-2		X							
69-MUS						X			

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
72-MUS						X			
72-NAB				X		X			
75-NAB						X			
61-NAT	X			X					
72-NAT	X			X			X		
74-NEM					X				
71-NEO		X							
73-NIA	X								
61-NIF	X	X							
61-NIF-2	X		X	X*					
62-NIF	X	X							
71-NIF				X					
71-NIF-2	X	X	X		X	X			
72-NIF	X		X	X					
72-NIF-2	X		X	X*					
72-NOL		X							
73-NOL		X							
69-NOM							X		
59-NOR	X			X*					
62-NOR-2				X					
69-NOR				X					
72-NOR	X			X	X			X	
63-OLA	X		X	X	X				
71-OVC-2		X	X		X			X	
71-OVC-3	X	X	X		X			X	
71-OVC-4		X	X		X			X	
72-OVC		X	X	X				X	
72-OVC-2	X	X							
72-OVC-3	X	X							
72-OVC-4	X							X	
74-OVC			X					X	
74-OVC-2	X		X					X	
46-PAE		X	X		X			X	
68-PAG					X				
62-PAR	X	X	X		X	X			
64-PAR				X	X	X			
65-PAR	X		X	X	X	X			
69-PAR	X	X	X	X	X	X			
71-PAR	X	X	X	X	X	X			
72-PAR	X	X	X	X	X				
71-PAT			X						
72-PAZ	X	X							
72-PES				X					
72-PES-2	X		X	X					
48-PIE		X							
74-POM	X		X	X					
71-PRI					X				
73-PRI-2					X				
47-PRO		X	X	X	X				
49-PRO	X	X	X						
72-PUZ				X					
74-RAJ	X		X						
62-REH	X								
48-RHO		X							
68-RIC	X								
70-RIC	X								
70-RIC-2				X					
74-RIC	X								
74-RIC-2	X						X		
64-ROB				X					
69-ROL	X			X					
62-ROS			X	X					
67-ROS	X		X	X					
69-ROS-2	X		X	X					

TOXICITY

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
70-RUD	X	X		X					
71-RUD			X	X		X			
72-RUD			X			X			
72-RUD-2		X	X						
72-RUD-3		X	X						
74-RUD	X	X		X					
45-RUE		X			X				
65-RUH						X			
71-RYS	X	X				X			
70-SAG	X								
68-SAN		X							
69-SAN	X								
69-SAN-2		X							
69-SAN-3	X								
70-SAN	X								
70-SAN-2						X		X	
70-SAN-3	X			X					
71-SAN	X	X							
71-SAN-2	X			X					
72-SAN	X		X	X		X			
72-SAN-2	X		X	X	X				
73-SAN	X		X	X	X	X		X	
73-SAN-2	X		X	X*					
73-SAN-4	X		X	X*					
74-SAN				X					
74-SAN-2	X		X	X					
75-SAN	X			X				X	
75-SAN-2	X			X				X	
74-SCG						X			
74-SCG-2	X		X	X	X	X			
61-SCH				X					
71-SEA			X		X				
74-SEA	X	X	X		X	X			
69-SEV								X	
71-SHA-3	X			X					
73-SHU	X					X			
72-SIK	X		X					X	
72-SIK-2	X	X	X					X	
68-SMV		X							
72-SMV			X	X					
48-SNI		X	X						
46-SNR-2		X	X	X					
46-SNR-3		X							
72-SOB						X			
71-SPI	X			X*					
59-STB	X			X					
59-STB-2	X			X					
62-STB-2	X								
63-STB	X			X	X	X			
68-STB	X			X					
69-STB	X								
70-STB-2	X		X	X					
71-STB	X		X						
72-STB-2	X								
72-STB-3	X								
72-STB-4	X		X	X					
72-STB-5	X		X	X					
72-STB-6	X		X	X				X	
74-STB	X							X	
73-STJ	X			X*					
73-STJ-2	X		X						
74-STJ	X			X					
45-STR		X		X					
73-STU	X			X	X				

- A. Dosimetry
- B. Acute Effects
- C. Survival Data
- D. Neoplasia
(* - Leukemia)
- E. Hematological Effects
- F. Biochemical Effects
- G. Chromosomal Effects
- H. Combined Insults
- I. Effects in Non-Adults

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
73-STU-2				X					
57-STV	X			X					
61-STV				X*					
62-STV		X	X	X*	X				
64-STV	X			X*					
64-STW						X			
67-STW				X		X			
57-SUL	X		X						
60-SUL	X								
74-SUL	X								
74-SUR						X			
62-TAD	X								
62-TAG	X								
62-TAG-2						X			
66-TAG	X								
69-TAG	X			X*					X
69-TAG-3			X						
71-TAG	X	X	X	X	X				
72-TAG				X					
72-TAG-2	X			X					
72-TAG-3	X			X					
74-TAM	X			X					
74-TAM-2	X			X					
74-TAM-3	X			X					
75-TAM	X			X					
62-TAY-2				X					
64-TAY	X			X					
69-TAY-2	X			X*					
70-TAY				X					
71-TAY				X					
72-TAY				X					
72-TAY-2				X*		X			
59-TEM	X			X					
60-TEM				X				X	
58-THO	X	X		X					X
60-THO	X								
66-THO		X							
67-THO	X	X	X	X*	X	X			X
68-THO				X					
72-THO-2	X			X					
74-THO	X	X	X	X*	X		X		X
74-THO-2	X			X			X		X

TOXICITY

- A. Dosimetry
- B. Acute Effects
- C. Survival Data
- D. Neoplasia
(* - Leukemia)
- E. Hematological Effects
- F. Biochemical Effects
- G. Chromosomal Effects
- H. Combined Insults
- I. Effects in Non-Adults

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
72-THR-2	X				X				
72-THR-3	X								
71-THU	X			X					
73-THU				X					
66-TRE-2	X								X
59-TSA		X			X				
61-TSA		X			X				
66-TSE	X			X		X			
68-TSE	X					X			
70-TSE						X			
71-TSE	X					X			
74-TSE						X			
74-UNE				X					
60-VAJ	X			X					
56-VAU				X					
62-VAU	X			X		X			
65-VAU	X			X*	X				
67-VAU	X			X*	X				
71-VAU	X			X*	X				
73-VAU	X	X	X	X*	X	X			X
73-VAU-2	X	X		X*		X			X
58-VOG		X							
71-VOL	X			X					
72-WAR	X			X					
64-WES	X		X		X				
59-WIL	X	X	X	X	X				X
71-WIT		X							
68-WOD	X					X			
70-YUI	X				X				
68-ZAL		X	X		X				
69-ZAL	X	X	X	X	X	X			
72-ZAL-2		X	X		X				
74-ZAL		X		X					

THERAPEUTIC REMOVAL

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
71-ALD	X		X						
72-ALD	X		X						
70-ANH	X		X						
56-ARN		X		X					
63-BAI-2	X	X	X						
69-BAI	X	X	X	X		X			X
70-BAI-5	X								
73-BAI	X	X						X	X
74-BAI	X							X	
74-BAI-2	X	X	X	X		X		X	
74-BAI-5	X		X					X	
74-BAI-7	X		X					X	
57-BAL						X			
61-BAL	X		X	X		X			
62-BAL	X				X				
62-BAL-3	X		X	X					X
62-BAL-4	X		X	X					X
66-BAL	X	X	X						X
72-BAL	X		X						
72-BAX	X		X	X					
73-BAX-2	X	X	X	X					X
60-BEL	X	X		X			X		
60-BEL-2		X	X						
61-BEL	X	X	X	X					
62-BEL-4	X	X	X	X					
62-BEL-5	X	X	X	X					
64-BEL	X		X	X					
64-BEL-2	X		X	X					
64-BEL-3	X			X					
69-BEL	X		X	X					
72-BIS	X		X	X					
73-BIS	X		X	X					
68-BRO		X	X			X			
72-BRO		X	X			X			
72-BRP	X		X						
68-BUK	X			X	X				X
69-BUL	X		X	X		X			
62-BUS		X				X			
68-BUS	X								
69-CAM		X	X						
61-CAT	X		X	X				X	
62-CAT	X		X	X					
63-CAT	X	X	X						
45-COK		X				X			
74-CON	X		X	X				X	
47-COP		X	X	X					
56-COP		X	X	X			X		
64-COS	X	X							
73-DAG	X			X					
75-DAG	X			X					
75-DAG-2	X			X					
56-DOB	X		X	X		X	X		X
71-DOL	X	X	X						
65-DOW	X	X	X			X			
72-DUC	X	X	X			X			
74-DUC	X	X						X	X
64-DUN	X		X						X
71-DUR		X	X						
72-DUR-2		X	X						
73-DUR	X	X	X	X			X		X
71-ENO		X	X						
70-ERS						X			
67-ETO	X	X							
71-FAS	X		X						

- A. Chelate Therapy
- B. Non-Chelate Therapy
- C. Excretion Data
- D. Distribution Data
- E. Survival or Tumor Data
- F. External Decontamination
- G. Colloid Therapy
- H. Lavage Therapy
- I. Chelate Toxicity

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
72-FIS		X							
51-FOR	X		X						
53-FOR	X								
54-FOR	X		X						
54-FOR-2	X								
55-FOR	X	X	X				X		
56-FOR	X								X
56-FOR-2	X	X	X			X			X
58-FOR	X		X						X
60-FOR-2	X		X						X
62-FOR-2	X		X						
63-FOR	X		X			X			
63-FRA	X		X						
59-FRI	X		X	X					
65-FUQ	X	X	X			X			
57-GEI	X	X	X				X		
56-GEO		X				X			
57-GEO		X				X			
74-GIL-2	X	X	X						
72-GOM		X		X					
74-GOM		X		X					
56-GRA		X	X				X		X
53-HAK		X		X			X		
45-HAM		X		X					
49-HAM		X		X					
53-HAM-2	X		X	X					
74-HAP						X			
64-HAS		X	X						
68-HAS	X		X						
68-HEI						X			
71-HEI			X			X			
72-HEI	X	X	X			X			
71-HES		X	X						
73-HOE	X	X	X						
74-HOG		X		X					
71-JAM	X			X					
71-JEA	X		X						
69-JEC	X	X	X						
72-JEC	X		X						
53-JOF		X		X			X		
69-JOL	X		X	X					
70-JOL	X		X	X					

THERAPEUTIC REMOVAL

											A	B	C	D	E	F	G	H	I
A. Chelate Therapy																			
B. Non-Chelate Therapy																			
C. Excretion Data																			
D. Distribution Data																			
E. Survival or Tumor Data																			
F. External Decontamination																			
G. Colloid Therapy																			
H. Lavage Therapy																			
I. Chelate Toxicity																			
	A	B	C	D	E	F	G	H	I										
70-JOL-2	X		X	X															
72-JOL-2	X			X															
74-JOL	X	X																	
71-JOS	X			X															
72-JOY	X	X	X			X			X										
74-KAN	X																		
74-KAO	X			X															
55-KAT-2	X	X		X			X												
50-KAW		X	X	X			X												
53-KAW		X	X	X															
63-KAW		X	X	X			X												
73-KEC	X		X	X															
71-KER	X																		
72-KHO						X													
74-KHO		X				X													
71-KIY						X													
69-KOS	X			X	X														
71-KOS-2	X	X		X	X														
70-KUN-2		X						X											
70-KUN-3		X						X											
71-KUN		X						X											
73-LAD	X																		
74-LAE	X	X						X											
63-LAF	X	X	X			X													
68-LAF	X																		
70-LAF	X	X				X			X										
71-LAF	X		X	X															
74-LAF	X																		
74-LAF-2	X			X															
65-LAG	X		X			X													
67-LAG	X		X						X										
67-LAG-2	X		X	X		X													
72-LAG	X	X	X	X															
51-LAN		X	X	X			X												
59-LAN	X	X	X	X		X	X		X										
62-LAN	X	X	X																
69-LAN		X																	
68-LAR	X	X	X			X													
74-LEJ	X	X	X	X															
63-LIA						X													
74-LIK	X		X																
60-LIN	X		X	X															
62-LIN											X			X					
72-LIN											X	X							
68-LOG											X		X	X					
65-LYU											X			X					
66-LYU-2											X			X					
68-LYU											X		X	X					
68-MAI											X								
67-MAN											X		X						
72-MAO											X			X					
62-MAR											X		X	X					
63-MAR											X			X					
64-MAR											X		X	X					
68-MCB											X		X	X		X			
66-MCR											X	X	X			X			
72-MCR											X	X	X	X				X	
68-MOE												X				X			
68-MOE-2											X								
69-MOE											X								
71-MOR											X								
72-MOR											X	X	X	X				X	
73-MOR											X		X	X					
73-MOR-3											X		X	X					X
74-MOR											X		X	X					
58-MOS											X			X					
64-MOS											X								
69-MOS											X								
57-NEF											X	X				X			
70-NEO											X		X	X					
71-NEO-2											X		X	X					
71-NEO-3											X		X	X					
71-NEO-4											X		X	X					
72-NEO											X			X					
72-NEO-2											X		X	X					
45-NIC-2											X	X	X			X			
73-NOL-2												X						X	
73-NOL-3												X						X	
56-NOR											X	X	X			X	X		X
56-NOR-2											X	X	X				X		
58-NOR											X	X	X			X	X		X
60-NOR											X		X	X					X
62-NOR											X		X			X			
62-NOR-2											X		X			X			X
62-NOR-3											X		X						
62-NOR-4											X		X						X
63-NOR											X		X						X
63-NOR-2											X		X	X					X
69-NOR											X					X			
72-NOR											X	X	X	X		X		X	X
56-OAK												X		X		X			
71-OHL											X	X	X			X			
71-OHL-2											X					X			
73-OHL											X	X	X						
71-OSA												X				X			
71-OSA-3												X				X			
62-PAH											X		X	X					
72-PAH											X		X	X					
73-PAK											X	X				X		X	
71-PER													X						X
64-PIJ											X	X	X			X			
75-PLA											X								X
64-PL0											X		X						
71-POL											X			X					
73-POL											X	X	X	X					
73-POL-2											X								

THERAPEUTIC REMOVAL

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
73-POV	X			X					
65-PUT	X	X	X			X			
73-RAH	X		X	X					
74-RIC-2	X								
58-ROE		X							
68-RON	X								
56-ROS	X	X	X	X		X	X		X
56-ROS-2	X	X	X	X			X		
57-ROS		X	X	X			X		
60-ROS	X	X	X	X			X		
62-ROS	X				X				
64-ROS	X		X	X					
67-ROS	X		X	X	X				
68-ROS-2	X	X		X					X
69-ROS	X			X					X
69-ROS-2	X			X	X				
73-ROS	X	X	X	X					
72-RUN	X								
61-SAM	X	X	X			X	X		X
74-SAM	X	X	X	X					
68-SAN-2		X						X	
69-SAN-2		X						X	
70-SAN-2	X		X	X					
72-SAN		X						X	
73-SAN-3	X	X	X	X					
68-SCF	X	X	X	X	X				X
69-SCG	X	X	X			X			
73-SCG	X		X						
74-SCG	X	X	X	X		X			
74-SCG-2	X	X						X	
74-SCG-3	X								X
47-SCH		X	X	X			X		
49-SCH		X	X	X			X		
50-SCH-2		X	X	X			X		
51-SCH		X							
55-SCH	X	X	X	X			X		X
56-SCH	X	X	X	X			X		X
60-SCH	X								
61-SCH	X				X				
61-SCH-2	X		X	X					
61-SCH-3	X		X						
72-SCH	X					X			
52-SCK	X		X	X					
58-SED	X		X						
71-SEI	X			X					
72-SEI	X			X					
72-SEI-3	X			X					
73-SEI	X			X					
73-SEI-3	X			X					
73-SEI-4	X			X					
74-SEI	X			X					
75-SEI	X			X					
73-SLO	X							X	
64-SMH	X		X	X					
65-SMH	X	X		X					
69-SMH	X		X					X	
69-SMH-2		X	X	X					
75-SMH	X					X		X	
58-SMV	X			X					
61-SMV	X		X	X					
64-SMV	X		X	X				X	
64-SMV-2	X		X	X					
72-SMV	X	X	X	X	X			X	
72-SMV-2	X								

- A. Chelate Therapy
- B. Non-Chelate Therapy
- C. Excretion Data
- D. Distribution Data
- E. Survival or Tumor Data
- F. External Decontamination
- G. Colloid Therapy
- H. Lavage Therapy
- I. Chelate Toxicity

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
60-SOW	X		X	X					
71-STA	X		X	X			X		
70-STB	X	X		X					
72-STB-6	X								
62-STE	X								
75-STH	X			X					
45-STR		X							
62-SWA	X		X						
64-SWA	X	X	X			X			
74-TAG	X								X
68-TAN		X				X			
67-TAS		X				X			
70-TAS	X	X				X			
71-TAS		X				X			
64-TAU	X	X					X		
62-TAY	X			X					X
62-TAY-2	X								
67-TAY	X			X					
71-TAY-2	X	X		X					
72-TAY	X			X					
72-TAY-3									X
72-TES		X							
73-TES	X	X	X			X			
56-THO	X	X	X	X			X		
58-THO	X	X	X	X		X	X		
67-THO	X	X	X	X		X	X		X
63-TOM	X	X	X	X					
64-TOM	X	X							X
60-TRE	X	X	X	X					
66-TRE-3	X	X	X	X			X		
66-TRE-4	X	X	X	X					
66-TRU	X		X						
66-TRU-2	X								X
66-TRU-3	X		X						
60-VAJ	X	X				X			
47-VAL		X	X	X					
73-VAU	X	X	X	X	X	X	X		X
73-VAU-2	X			X					
66-VER-2	X	X	X			X			
71-VOL	X		X	X	X			X	X
72-VOL	X								
74-VOL	X	X		X					

THERAPEUTIC REMOVAL

- A. Chelate Therapy
- B. Non-Chelate Therapy
- C. Excretion Data
- D. Distribution Data
- E. Survival or Tumor Data
- F. External Decontamination
- G. Colloid Therapy
- H. Lavage Therapy
- I. Chelate Toxicity

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
74-VOL-2	X			X					
74-VOL-3	X			X					
75-VOL	X	X		X					
54-WAG	X	X	X	X			X		
68-WAL	X	X	X			X			
70-WAR	X		X			X			
72-WAR	X			X					
72-WAR-2	X	X	X	X					
71-WEH		X		X					
53-WEK		X				X			
53-WEK-2		X				X			
55-WEK	X	X		X				X	
52-WHI		X	X	X				X	
56-WIH		X				X			
56-WIH-2		X	X						
59-WIH	X	X	X						
59-WIH-2	X	X	X						
60-WIH	X	X	X			X			
67-WIH	X	X	X			X			
51-WIJ		X				X	X		
72-WRE	X		X	X					
72-ZAL	X		X						
73-ZAL	X		X						

HUMAN EXPERIENCE

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
71-ALD	X		X		X		X		
72-ALD	X		X		X		X		
75-ALM		X							
70-ANH	X		X	X	X		X		
70-ARK	X		X						
71-ARK	X		X						
72-ARN		X							
69-BAI	X						X		
70-BAI-5		X	X	X	X		X		
74-BAI			X		X	X	X		
74-BAI-2	X		X		X		X		
74-BAI-3	X	X			X	X		X	
74-BAI-6						X			
74-BAI-7						X			
74-BAN		X							
64-BEA	X		X		X				
66-BEA	X		X		X	X			
73-BEA			X		X				
74-BEG		X				X			
74-BEG-2	X				X				
66-BOC						X			
67-BOS	X			X	X				
67-BOU				X	X				
71-BOU				X	X				
68-BRH	X					X			
68-BRO	X		X	X	X		X		
72-BRO	X		X	X	X		X		
72-BRP			X		X		X		
67-BRT	X								
69-BUA		X		X					
69-BUL	X	X	X	X	X	X	X		
74-BUR	X				X				
72-CAD		X							
72-CAL	X								
72-CAM				X	X				
73-CAM						X			
60-CAS		X							
63-CAT			X			X	X		
67-CLO				X					
70-COD		X							
65-COM						X			
46-CRJ			X			X			
70-DEA				X					
69-DEN				X	X				
75-DIT		X							
56-DOB	X		X	X	X		X		
56-DOC						X			
58-DOC						X			
58-DOC-2						X			
59-DOC						X			
73-DOE				X	X				
74-DOE				X	X				
74-DOE-2				X	X				
64-DOL		X	X		X				
71-DOL			X	X	X	X	X	X	
72-DOL		X	X	X	X				
72-DOL-2		X	X	X	X	X		X	
74-DOL		X						X	
65-DOW	X		X	X			X		
72-DUC	X		X	X			X		
71-DUL	X		X	X	X				
64-DUN			X				X		
71-DUR	X		X		X	X	X		
72-DUR-2	X		X		X	X	X		

- A. Exposures
 B. Dosimetry
 C. Excretion Data
 D. External Counting
 E. Body Burden Estimates
 F. Autopsy Data
 G. Therapy
 H. Biological Effects
 I. Psychosocial Effects

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
73-DUR	X	X	X	X			X		
74-DUR-2						X			
64-EAK	X		X		X				
64-EHR				X	X				
73-EIS		X				X			
66-EPS				X	X				
67-ETO	X						X		
62-EVA		X							
66-EVA		X							
72-EVA		X							
71-FAS	X		X				X		
75-FEL						X			
72-FIS	X	X	X		X	X	X		
56-FOR							X		
56-FOR-2	X		X		X		X		
58-FOR	X		X		X		X		
60-FOR	X	X	X		X	X			
60-FOR-2	X		X		X		X		
63-FOR	X		X		X		X		
65-FUQ	X		X				X		
57-GEI	X		X				X		
74-GIL-2	X		X	X	X		X		X
74-GIL-3	X					X			X
70-GJO	X		X		X				
75-GOF-2	X	X			X				
72-GON	X			X	X				
56-GRA	X		X				X		
71-HAE						X			
74-HAP	X						X		
64-HAS	X	X	X	X	X		X	X	
68-HAS	X		X	X	X		X		
57-HEA	X		X		X				
74-HEA-2	X	X			X	X		X	
68-HEI	X		X		X		X		
69-HEI	X		X	X	X				
71-HEI	X		X	X	X		X		
72-HEI	X		X	X	X		X		
53-HEM			X		X				
73-HEM	X		X	X	X	X		X	
73-HEM-2	X		X	X	X	X		X	
74-HEM	X		X	X	X	X		X	
72-HEN				X	X				

HUMAN EXPERIENCE

A. Exposures

B. Dosimetry

C. Excretion Data

D. External Counting

E. Body Burden Estimates

F. Autopsy Data

G. Therapy

H. Biological Effects

I. Psychosocial Effects

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
71-HES	X		X	X	X		X		
62-HIL						X			
73-HOE	X		X	X	X		X		
70-HOL			X	X	X				
71-HOL			X	X					
71-HUT				X					
66-INT		X							
68-INT-2		X	X	X	X				
71-INT		X	X		X				
72-INT			X			X			
68-IRA	X								
69-IRA	X		X		X				
66-JAC			X		X				
71-JAM		X					X		
64-JEA			X		X				
71-JEA	X		X	X	X		X		
69-JEC	X		X	X	X		X		
72-JEC	X		X		X		X		
72-JOL	X			X					
74-JOL	X			X	X		X		X
68-JON	X			X					
74-JOR								X	
72-JOY	X		X	X	X		X		
71-KER				X	X		X		
62-KIE				X					
68-KIE				X					
71-KIE	X		X		X				
71-KIY	X						X		
74-KOE				X	X				
69-KOT		X			X				
62-KRP						X			
73-KUB								X	
74-LAE		X							
63-LAF	X		X		X		X		
70-LAF	X						X		
72-LAF			X		X				
65-LAG	X		X	X			X		
67-LAG	X		X		X		X		
67-LAG-2	X		X	X			X		
69-LAG	X	X	X	X	X	X			
71-LAG	X	X	X		X	X			
72-LAG	X		X	X	X	X	X		

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
72-LAG-2	X		X	X	X	X			
73-LAG-2	X		X		X	X			
45-LAN			X		X				
50-LAN			X		X	X			
56-LAN	X		X		X				
57-LAN	X		X		X				
59-LAN	X		X	X	X	X	X		X
60-LAN	X					X			
62-LAN	X		X		X	X	X		
64-LAN	X		X	X	X				
69-LAN	X	X			X	X	X		
72-LAN		X	X		X				
68-LAR	X		X	X	X		X		
62-LAW			X		X				
74-LAW			X	X	X	X			
64-LEU				X					
63-LIA	X		X	X	X		X		
64-LIA	X								
68-LIA	X		X	X	X				
72-LIN						X			
68-LOE		X				X			
71-LOE		X				X			
72-LOE		X				X			
73-LOW			X		X				
73-LOW-2			X		X				
62-LUS	X	X						X	
67-LUS	X	X		X	X			X	
67-MAG						X			
69-MAG						X			
73-MAJ		X							
67-MAN	X	X	X	X	X		X		
70-MAY		X				X			
70-MCO		X		X	X				
72-MCR	X						X		
73-MCW		X							
72-MIC-2									X
68-MOE							X		
68-MOE-2				X	X		X		
72-MOQ				X	X				
71-MOR					X				
69-MOW			X	X	X				
71-MYA		X							
61-NAT		X			X				
72-NAT		X							
71-NED				X	X				
72-NED				X	X				
72-NED-2				X	X				
68-NEL			X		X				
69-NEL			X		X				
72-NEL			X		X				
72-NEL-2	X					X			
68-NEW	X	X				X			
72-NOJ	X				X	X			
56-NOR	X		X				X		
56-NOR-2	X		X				X		
58-NOR	X	X	X		X	X	X		
59-NOR	X	X	X	X	X	X		X	
60-NOR	X		X				X		
62-NOR			X				X		
62-NOR-2			X				X		
62-NOR-3	X		X				X		
62-NOR-4	X		X		X		X		
63-NOR	X		X				X		

HUMAN EXPERIENCE

	A	B	C	D	E	F	G	H	I
63-NOR-2	X		X	X	X		X		
69-NOR	X						X		
72-NOR			X	X	X		X		
72-NOR-2						X			
73-NOR	X				X	X			
74-NOR	X		X		X	X			
75-NOR	X				X	X			
68-ODL	X		X		X	X			
68-ODL-2	X		X		X	X			
71-OHL	X		X	X	X		X		
71-OHL-2				X			X		
73-OHL	X		X		X		X		
73-OKA		X				X			
63-OLA						X			
71-OSA-2			X		X				
73-OSA			X		X				
63-OSB		X				X			
72-OWE		X							
72-PAH-2				X	X				
56-PAK	X				X				
73-PAK	X	X	X	X	X	X	X		X
71-PER	X		X	X	X		X		
64-PIJ	X		X	X			X		
64-PLO	X		X				X		
73-POL							X		
65-PUT	X		X	X	X		X		
68-RAM				X	X				
69-RAM				X	X				
70-RAM	X		X	X	X				
72-RAM				X	X				
74-RIC	X	X			X	X		X	
74-RIC-2	X	X	X		X	X		X	
64-ROB	X		X	X	X	X			
70-ROD	X								
58-ROE	X			X			X		
62-ROE	X			X					
68-ROG								X	
69-ROL		X							
73-ROL		X							
68-RON	X			X	X		X		
60-ROS			X				X		
74-ROX								X	
51-RUE			X		X	X			
68-RUN				X					
72-RUN	X			X	X		X		
74-RUN	X		X	X	X				
72-SAF						X	X		
60-SAM	X	X	X		X				
61-SAM	X		X		X		X		
68-SAM				X	X				
74-SAM	X	X	X	X	X		X		
58-SCF			X		X				
68-SCF	X		X	X	X		X		
69-SCG	X		X		X		X		
73-SCG	X		X	X	X		X		
74-SCG	X		X	X	X		X	X	
74-SCG-2	X	X		X	X	X	X	X	
74-SCG-3						X	X		
51-SCH-3	X		X		X		X		
55-SCH	X		X				X		
56-SCH	X		X				X		
72-SCH	X						X		
64-SCJ					X				
58-SCL			X		X				

- A. Exposures
 B. Dosimetry
 C. Excretion Data
 D. External Counting
 E. Body Burden Estimates
 F. Autopsy Data
 G. Therapy
 H. Biological Effects
 I. Psychosocial Effects

	A	B	C	D	E	F	G	H	I
71-SCR	X		X	X	X				
71-SHA									X
71-SHA-2	X								X
71-SHA-3	X	X						X	X
72-SHI				X	X				
73-SHI				X	X				
73-SHI-2				X	X				
68-SHL		X							
70-SHL-3		X							
61-SHT	X				X	X			
73-SLO								X	
75-SMH								X	
70-SMO		X				X			
72-SMV	X							X	
62-SNY			X		X				
64-SNY	X		X		X	X			
64-SNY-2		X		X					
68-SNY			X		X	X			
72-SNY		X	X		X	X			
72-SNY-2			X		X				
73-SOL		X							
71-SOU									X
64-SPE				X	X				
59-STB-2			X			X			
75-STH					X				
73-STJ								X	
73-STJ-2			X		X	X			
73-STJ-3		X				X			
73-STU		X	X		X				
62-SWA	X		X		X			X	
64-SWA	X		X	X	X			X	
68-SWI				X	X				
72-SWI-2				X					
69-TAB				X					
71-TAK						X			
72-TAK						X			
74-TAM	X	X						X	
74-TAM-2	X	X						X	
74-TAM-3	X	X						X	
75-TAM	X	X				X		X	
68-TAR						X			
64-TAU					X	X		X	

HUMAN EXPERIENCE

- A. Exposures
- B. Dosimetry
- C. Excretion Data
- D. External Counting
- E. Body Burden Estimates
- F. Autopsy Data
- G. Therapy
- H. Biological Effects
- I. Psychosocial Effects

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
71-TES			X		X				
72-TES	X			X	X		X		
73-TES	X		X	X	X		X		
56-THO	X		X				X		
60-THO		X				X			
67-THO	X	X	X		X	X	X	X	
68-THO						X			
72-THO-2		X				X			
74-THO									X
68-THR		X				X			
66-TYL				X					
71-UNI	X								
72-UNS	X					X			X
60-VAJ	X	X					X		
71-VAN	X		X		X				
71-VAN-2	X								
73-VAU	X	X	X		X	X	X		
73-VAU-2		X				X			
66-VER-2	X		X	X	X		X		
71-VOL							X		
72-WAI	X	X	X	X	X				
68-WAL	X		X	X	X		X		X
75-WAS	X		X	X	X				
72-WHA	X		X		X				
56-WIH	X		X		X		X		X
56-WIH-2	X		X		X		X		
59-WIH	X		X	X	X		X		
59-WIH-2	X		X	X	X		X		
60-WIH	X		X	X	X		X		
67-WIH	X		X	X	X		X		
61-WIJ	X						X		
59-WIL		X	X		X	X			
72-WRE	X	X	X	X	X		X		
74-WRE	X					X			
73-YAN				X	X				
74-YOD	X								
72-ZAY		X							
72-ZAY-2		X							

ENVIRONMENTAL DISTRIBUTION

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>	<u>J</u>	<u>K</u>
70-ADM		X					X				
75-ADM	X	X		X	X	X	X				
63-ALE	X			X		X					X
70-ALV	X			X		X	X		X		
64-ANB			X								
67-ANB			X							X	
70-AND		X			X						
73-ANS	X		X	X						X	
74-ANS	X		X	X						X	X
70-ARK	X	X		X	X	X	X				
71-ARK		X		X	X	X	X				
72-ARK	X	X		X	X	X	X				
74-BAI	X	X		X	X	X	X	X		X	
67-BAJ	X	X	X	X	X	X					
58-BAK	X		X	X							X
74-BAN	X		X			X				X	
74-BEG	X		X	X							
74-BEG-2	X	X		X	X	X		X	X		
74-BEG-3	X	X	X	X	X	X			X	X	
71-BLI	X			X							
71-BOW		X			X						
69-BRE	X							X			
71-BUJ	X			X		X					
69-BUL	X							X			
74-CHD		X			X	X	X				
65-CHE	X	X		X	X						
62-CHW	X			X							
68-CLI	X			X	X	X					
70-COL	X		X	X	X					X	
65-COM	X	X	X	X	X			X	X		
71-COR	X			X							
71-CUM	X					X					
58-DAJ	X	X			X	X					
68-DEB			X								
69-DEB	X		X	X							
69-DEB-2	X			X							
72-DIX	X	X	X	X	X	X	X		X	X	
72-DOW	X	X	X	X	X						
71-DRE	X	X									
56-DUH		X			X	X	X				
73-DUR	X	X		X	X	X		X			
73-EIS	X		X	X					X		X
74-EMR		X		X	X	X	X				
74-EMR-2		X		X	X	X	X				
56-FAD		X			X	X	X				
67-FIS										X	
72-FIS	X								X	X	
74-FOL		X			X	X	X				
63-FOS	X	X			X	X	X				
68-FOW	X			X		X			X		X
71-FOW	X		X	X	X	X	X				
73-FRC	X			X		X					
61-FRJ	X		X								
73-GIL	X			X	X						
70-GJO	X	X					X				X
67-GLA										X	
71-GNE	X			X		X					
71-GNE-2				X	X						
75-GOF-2	X										
74-GRO		X			X	X					
74-GRO-2		X				X					
74-GRO-3		X		X	X	X					
75-GUD	X			X							X

- A. Terrestrial
 B. Aquatic
 C. Air
 D. Soil or Sediments
 E. Water
 F. Plants
 G. Wild Animals
 H. Livestock
 I. Food
 J. Resuspension
 K. Decontamination

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>	<u>J</u>	<u>K</u>
71-HAE	X	X	X	X	X	X	X			X	
66-HAJ	X			X	X						
74-HAK-1	X			X		X	X				X
74-HAK-2	X			X	X	X	X				X
72-HAN	X					X					
74-HAN	X	X	X	X	X	X	X				X
75-HAN	X	X	X	X	X	X	X				X
74-HAP											X
70-HAQ	X			X		X					
71-HAR	X			X							
72-HAR	X		X	X							
72-HAR-2	X			X							
73-HAR	X		X	X							
74-HAR	X		X	X							
71-HAS	X		X	X	X	X	X				X
71-HEA	X		X								X
71-HEA-2	X		X	X							X
74-HEA	X	X	X	X		X	X			X	X
71-HED	X	X		X		X	X				
68-HOD			X								
69-HOJ			X								
75-HOM	X					X	X				
73-HOV		X			X	X	X				
74-HOV		X			X	X	X				
74-HOV-2		X			X						
70-INO	X			X							
68-IRA	X		X	X		X					
69-IRA	X		X								
59-JAD	X			X							
48-JAL	X			X		X					
68-JOH	X		X								
67-JOI	X		X	X							X
71-JOR	X		X	X							X
74-JOR	X		X	X							X
68-KAR	X			X							X
67-KAU	X									X	
73-KEC	X	X	X	X		X					

ENVIRONMENTAL DISTRIBUTION

A. Terrestrial

B. Aquatic

C. Air

D. Soil or Sediments

E. Water

F. Plants

G. Wild Animals

H. Livestock

I. Food

J. Resuspension

K. Decontamination

	A	B	C	D	E	F	G	H	I	J	K
71-KEL	X		X								
70-KEN	X			X							
71-KEN	X			X							
71-KER			X							X	
61-KIN	X										X
69-KLE	X		X	X							
62-KLO	X					X	X				
73-KNE		X			X	X	X				
68-KOC	X	X		X	X						X
73-KRI	X			X			X				
62-KRP	X		X					X			
67-KRP			X								
70-KRP	X			X							
74-KRP	X			X						X	
61-LAK	X			X		X	X	X			
60-LAN	X		X			X					
66-LAN	X		X								X
68-LAN	X		X	X		X				X	X
69-LAN	X			X		X	X			X	X
70-LAN	X			X	X					X	
71-LAN	X									X	
72-LAN	X									X	
70-LEI			X								
70-MAE	X			X						X	
67-MAG	X		X						X		
69-MAG	X										
67-MAT			X		X						
69-MAT			X		X						
75-MCL	X			X							
62-MCR	X							X	X		
71-MIC	X			X							
72-MIC	X			X							
73-MIC	X		X	X						X	
62-MIH	X					X		X	X		
72-MIL	X							X	X		
64-MIS	X		X	X						X	
74-MIW	X	X									

	A	B	C	D	E	F	G	H	I	J	K
68-MIY	X										
68-MIY-2		X			X						
70-MIY	X	X		X	X						
71-MIY	X	X		X	X				X		
74-MOA		X									
75-MOG	X										
70-MOH	X		X	X			X			X	
61-MOW											X
74-MUH	X					X	X		X		
61-NAT											X
72-NAT	X	X	X	X	X	X		X	X	X	
75-NEA		X			X						
74-NEV	X		X	X		X	X	X		X	X
68-NGY	X	X		X	X	X	X	X	X		
65-NIS	X				X						
72-NOR	X										
71-NOS		X		X	X	X	X		X		
72-NOS	X	X		X	X						
72-NOS-2		X		X	X	X	X		X		
74-NOS		X	X	X	X	X	X				
74-NOS-2		X		X	X	X	X				
68-ODL	X			X	X				X	X	X
68-ODL-2	X			X	X				X	X	X
73-OKA	X		X						X		
45-OLA	X			X		X					
63-OLA	X		X	X	X	X	X	X	X	X	
60-OLS	X			X							
63-OSB	X		X								
71-PAI		X		X	X	X	X				
73-PAK	X		X	X	X	X	X				
64-PEN	X							X			
71-PER			X								
72-PET		X		X	X	X	X				
64-PIL		X		X	X	X					
72-POE	X	X		X	X	X	X				X
74-POE	X			X							X
71-POW	X	X		X	X						
71-PRI	X	X		X	X	X	X			X	
72-PRI	X			X		X					
73-PRI	X			X		X					
73-PRI-2	X	X		X	X	X	X			X	
58-PRW	X			X							
70-PUR	X			X							
55-RED	X			X	X	X					
57-RHD	X			X							
68-ROG	X			X		X		X		X	X
70-ROM	X			X		X	X	X		X	
72-ROM	X			X		X	X	X		X	X
73-ROM	X			X		X				X	
75-ROM	X			X		X				X	
72-ROQ		X			X	X	X				
71-RUA	X	X									
63-RUS	X			X		X					
66-RUS	X			X		X					
66-RUS-2	X			X		X					
64-SAB								X	X		
71-SAK	X			X							
71-SAK-2	X	X		X	X	X	X				
58-SCF			X								
64-SCJ	X		X								
74-SCU	X	X		X	X	X					
73-SEL	X	X	X	X	X	X	X	X		X	
71-SHA-3	X			X						X	

ENVIRONMENTAL DISTRIBUTION

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>	<u>J</u>	<u>K</u>
67-SHL			X								
70-SHL			X								
70-SHL-2			X								
70-SHL-3			X								
58-SHR	X		X	X							
70-SMO			X								
73-SOL	X	X									
71-SOU				X							
73-STJ-3	X	X	X	X	X	X	X	X		X	
65-STK	X							X			
74-TAM	X		X	X						X	
68-TAR			X								
68-TER		X			X	X	X				
67-THC			X								
67-THO	X			X		X		X			
69-THW	X			X		X					
74-TUL	X					X					
74-UNE	X									X	
73-UNI	X	X	X	X	X	X	X				
72-UNS	X	X	X	X	X	X	X			X	
71-VAN-2			X							X	
71-VOH	X		X	X						X	
72-VOH-2	X		X							X	
74-VOH		X		X	X	X	X				
69-WAC	X					X					
71-WAC	X			X		X					
71-WAC-2						X					
71-WAC-3	X					X					
71-WAC-4	X			X		X					
72-WAC	X			X		X					
72-WAC-2	X			X		X					
74-WAC	X	X		X	X	X	X			X	X
66-WAE		X					X				
75-WAS								X			
74-WEB		X			X						
69-WEL	X			X			X				
72-WHA	X		X							X	
74-WHF	X			X		X	X				
66-WID	X			X		X					
74-WIE	X			X		X					
60-WIR	X		X	X				X		X	
65-WIR	X										
67-WIR	X		X	X				X		X	
68-WIR	X		X					X			
71-WON		X		X	X	X	X				
71-WON-2		X			X	X					
72-WON		X			X	X					
67-WOR	X	X			X						
73-WOS		X			X	X	X				
74-WRE	X	X	X	X	X					X	
74-YOD	X	X	X	X						X	
66-ZLO		X				X					
70-ZLO		X				X					
71-ZLO		X				X					
71-ZLO-2		X				X					
73-ZLO		X			X	X					

A. Terrestrial

B. Aquatic

C. Air

D. Soil or Sediments

E. Water

F. Plants

G. Wild Animals

H. Livestock

I. Food

J. Resuspension

K. Decontamination

HAZARD EVALUATION

A. Dosimetry

B. Comparative Radio-nuclide Data

C. Standards

D. Hot Particles

E. Risk Estimates

	A	B	C	D	E
74-ALB	X		X	X	
75-ALM	X		X		
70-ALV					
67-ANB				X	
74-ANE	X			X	
68-ANO					X
74-ANS	X		X		
70-ARK					
71-ARK					
72-ARK					
70-ATK	X	X			
72-ATK	X	X			
73-ATK	X	X			X
66-BAC	X				
61-BAI			X		
61-BAI-5					
62-BAI-2	X				
70-BAI					
70-BAI-2					
70-BAI-5			X		X
71-BAI					
74-BAI	X	X	X	X	
74-BAI-2	X			X	X
74-BAI-3	X	X	X	X	X
74-BAI-4					
74-BAI-5	X	X		X	
74-BAI-6	X		X	X	X
74-BAI-7	X		X		X
67-BAJ					
58-BAK			X		
61-BAL					
64-BAL	X				
67-BAL	X	X			
74-BAN	X			X	X
66-BEA			X		
74-BEG	X		X		
74-BEG-3	X				
65-BEN	X	X	X		
69-BEN		X	X		
71-BER	X				
68-BEV	X			X	X
73-BEY		X			
73-BIS			X		
64-BLA		X			
68-BLA	X				
72-BLA	X	X	X		
67-BLE	X				X
69-BLE	X				
71-BLE	X				
48-BLW		X			

	A	B	C	D	E
48-BLW-2		X			
50-BOY		X			
50-BOY-2		X			
71-BRA	X	X			
72-BRA	X	X			
74-BRA	X			X	
69-BRE	X				
68-BRH					
47-BRM		X			
51-BRM	X	X	X		
72-BRP					
70-BUC		X			
73-BUC	X	X			
59-BUK	X	X			
68-BUL-2	X				
69-BUL	X	X	X	X	X
69-BUL-2	X	X			
70-BUL	X				X
72-BUL-3	X	X			
72-BUL-4		X	X		
72-BUL-5	X				
74-BUR			X		
72-BUS	X			X	
71-CAF				X	
73-CAG	X	X			
73-CAJ		X			
72-CAM					
51-CAN		X	X		
63-CAT	X		X		
62-CHR		X			
72-CHR		X			
62-CLA	X	X			
62-CLA-2	X	X			
64-CLA	X			X	
70-COD	X				
45-COK-2		X			
47-COP	X				
64-COS	X				
74-CRD	X				
72-CRO	X				
69-DEA	X			X	X
68-DEB					
69-DEB					
72-DEF		X			
69-DEN	X	X	X		
75-DIT	X				
72-DIX			X		
55-DOJ		X			
62-DOJ	X	X			
69-DOJ		X			
70-DOJ	X	X			
71-DOJ	X	X			
72-DOJ	X	X			
64-DOL	X				
71-DOL			X		
72-DOL	X		X		
72-DOL-2	X				
73-DOL	X	X	X		
74-DOL	X		X	X	
62-DOT	X	X			
62-DOT-3	X	X			
69-DOT	X	X			
65-DOW					
71-DRE			X		

	A	B	C	D	E
72-DRM		X			
73-DUA					
72-DUC			X		
56-DUH			X		
71-DUL					
71-DUR					
72-DUR-2					
73-DUR	X	X			
74-DUR-2			X		
72-EDL-2	X				
73-EIS	X				
74-EMR-2		X			
74-ERS	X		X		
62-EVA		X	X		
66-EVA		X	X		
72-EVA		X	X		
64-EVI			X		
64-FAB	X	X			
73-FAB	X	X			
56-FAD			X		
69-FAI		X			
70-FAI		X			
70-FAI-2	X				
74-FIL		X			
53-FIN	X	X			
56-FIN	X	X			
59-FIN		X			
68-FIN	X	X			
45-FIR	X	X			
50-FIR		X			
67-FIS			X		
72-FIS	X		X		
67-FRD					
61-FRJ			X		
65-FUQ			X		
72-GAV	X		X		X
74-GAV	X		X		X
68-GES	X			X	X
68-GES-2	X			X	X
74-GIL	X		X	X	X
74-GIL-3			X		
75-GOF	X		X	X	X
75-GOF-2	X			X	X
73-GOM	X				
71-GRI	X	X			
75-HAI	X				
66-HAJ		X			
47-HAM					
48-HAM					
74-HAP					
68-HAS		X			
71-HAS					
71-HAV	X		X		
72-HAX			X		
71-HAY			X		
70-HAZ	X	X			
71-HAZ	X	X			
72-HAZ					
72-HAZ-2		X			
74-HAZ		X			
74-HAZ-2	X				
57-HEA					
71-HEA			X		
71-HEA-2					

HAZARD EVALUATION

	A	B	C	D	E
74-HEA	X	X	X	X	X
74-HEA-2	X	X	X	X	X
69-HEI			X		
71-HEI					
72-HEI					
48-HEL		X			
48-HEL-2		X			
74-HEM	X				
72-HEN		X			
62-HER		X			
73-HOG	X				
74-HOG		X			
70-HOL			X		
71-HOL			X		
71-HUN					
71-HUN-2					
74-INA					
68-INT	X	X	X		X
68-INT-2	X		X		
71-INT	X		X		
70-JAM	X			X	
71-JAM	X				
72-JAM	X				
72-JAM-2	X				
64-JEW	X	X			
71-JEW	X	X			
71-JOR			X		
74-JOR	X		X		
72-KAL-2	X	X			
68-KAR			X		
55-KAT			X		
73-KEC		X	X		
71-KEL					
61-KIN					
74-KOE			X		
69-KOT	X				
74-LAE	X		X	X	X
74-LAF	X			X	
74-LAF-2	X			X	
74-LAF-3	X			X	
51-LAN		X	X		
59-LAN		X	X		
62-LAN		X	X	X	
66-LAN		X			
68-LAN	X		X		
69-LAN	X	X			
71-LAN					
72-LAN	X	X	X	X	
73-LAN	X	X	X	X	
67-LAR	X				
74-LEJ	X	X			
71-LEV	X	X			
71-LEV-2	X				
71-LEV-3	X	X			
72-LEV	X	X			
64-LIA			X		
68-LIA					
72-LIN	X				
74-LIV			X		
72-LOE	X	X			
71-LON	X		X	X	
75-LOR		X			
62-LUS	X			X	
67-LUS	X			X	

	A	B	C	D	E
73-LYA	X		X		
66-LYU	X		X		
69-LYU	X		X		
72-LYU			X		
72-LYU-2	X		X		
72-LYU-3	X		X		
74-MAD	X		X		
70-MAE	X		X	X	
67-MAG					
69-MAG	X				
66-MAH			X		
69-MAH	X	X			
69-MAH-2		X			
68-MAI					
69-MAJ	X	X			
73-MAJ	X	X			
69-MAY	X	X	X		
70-MAY	X	X	X		X
72-MAY	X	X			
72-MAY-2	X	X			
72-MCK	X	X	X		
62-MCR-2		X			
72-MCR	X	X		X	
72-MCR-2	X	X	X		
73-MCW	X				
74-MET					X
71-MEW	X	X			
71-MEW-2	X				
71-MEW-3	X				
72-MEW	X				
72-MIC-2					
62-MIH					
74-MIW	X		X	X	
74-MOA					X
74-MOL					
61-MOP	X				
73-MOR					
58-MOS	X	X			
65-MOS	X	X			
65-MOS-2	X	X			
65-MOS-3	X	X			
66-MOS-2	X	X			
66-MOS-3	X	X			
67-MOS-2		X			
69-MOS-3	X	X			
72-MOS	X	X			
72-MOS-2	X	X			
73-MOS-2	X	X			
73-MOS-3	X	X		X	
73-MOS-4		X			
74-MOS-2	X	X			
74-MOS-3	X	X			
68-MOY	X		X		
48-MUR		X			
71-MYA	X				X
72-MYE	X		X		
72-NAB		X			
61-NAT	X			X	
72-NAT	X	X	X		X
73-NIA		X			
71-NIF-2	X	X			
72-NIF-2	X	X			
59-NOR	X	X	X		X
62-NOR					

A. Dosimetry

B. Comparative Radio-nuclide Data

C. Standards

D. Hot Particles

E. Risk Estimates

	A	B	C	D	E
72-NOR	X		X		
71-NOS					
72-NOS-2					
68-ODL					
68-ODL-2					
63-OLA	X	X			
71-OSA	X				
71-OSA-3	X				
71-OVC	X				
71-OVC-2					
71-OVC-3	X				
71-OVC-4	X				
72-OVC		X			
72-OVC-2					
74-OVC		X			
44-PAK				X	
73-PAK	X				
72-PAM	X			X	
69-PAR	X	X			
71-PAR	X				
72-PAR	X	X			
72-PES-2	X			X	
48-PIE		X			
74-PIG				X	
72-POE					
49-PRO	X	X			
72-PUZ		X			
74-RAJ	X	X			
62-REH	X	X			
68-RIC	X				X
70-RIC	X				X
74-RIC-2	X	X	X	X	
64-ROB		X	X		
69-ROL	X	X			
73-ROL	X	X		X	
75-ROM		X			
72-ROQ				X	
67-ROS	X				
74-ROX				X	
71-RUD		X			
51-RUE				X	
69-SAG	X				
70-SAG	X				
74-SAM	X				
70-SAN-3	X	X		X	X
72-SAN	X				X
72-SAN-2	X				X
73-SAN	X				X
73-SAN-2	X				
73-SAN-4	X				X

HAZARD EVALUATION

A. Dosimetry						A	B	C	D	E
B. Comparative Radio-nuclide Data						68-TAR	X			
						64-TAU		X	X	
						62-TAY-2		X		
C. Standards						64-TAY	X	X		
						69-TAY-2	X	X		
D. Hot Particles						70-TAY		X		
						71-TAY		X		
E. Risk Estimates						72-TAY		X		
						74-TEA	X			X
						68-TER				
						56-THO-2		X	X	
						60-THO	X			
						66-THO	X			X
						67-THO	X	X	X	
						68-THO				
						72-THO-2	X	X	X	X
						74-THO	X	X		X
						74-THO-2	X	X	X	X
						72-THR-3	X		X	X
						73-THU				
						66-TRE-2	X			
						61-TSA		X		
						69-TSE	X	X		
						61-TWE	X			
						74-UNE	X			
						75-UNE			X	
						73-UNI	X			
						74-UNR				
						72-UNS	X			X
						60-VAJ	X	X	X	
						74-VAM			X	
						69-VAN				
						71-VAN-2				
						56-VAU		X		
						62-VAU	X			
						65-VAU	X	X	X	X
						67-VAU	X			X
						71-VAU	X			
						73-VAU	X	X	X	X
						73-VAU-2	X	X	X	
						66-VER				
						72-VOH-2				X
						74-VOL-3		X		
						74-WAC			X	
						71-WAF	X	X	X	
						71-WEG				
						56-WEK			X	
						59-WIL	X	X	X	
						53-WIP		X		
						60-WIR				
						68-WIR	X			
						71-WIT		X		
						73-WOS	X			
						68-ZAL		X		
						72-ZAL-2		X		
						72-ZAY	X	X		X
						72-ZAY-2	X			X

DISTRIBUTION

No. of
Copies

No of
Copies

OFFSITE

1	<u>ERDA Chicago Patent Group</u> A. A. Churm
13	<u>ERDA Division of Biomedical and Environmental Research</u> N. F. Barr C. E. Carter R. D. Cooper C. W. Edington C. H. Hobbs M. L. Minthorn C. Osterberg D. H. Slade J. Swinebroad B. W. Wachholz R. L. Watters W. W. H. Weyzen R. W. Wood
1	<u>ERDA Division of Nuclear Research & Applications</u> T. J. Dobry
27	<u>ERDA Technical Information Center</u>

ONSITE-HANFORD

1	<u>ERDA Richland Operations Office</u> P. G. Holsted
2	<u>Atlantic Richfield Hanford Company</u> G. E. Backman K. R. Price
2	<u>Hanford Environmental Health Foundation</u> B. Breitenstein W. D. Norwood

ONSITE-HANFORD (Continued)

280	<u>Battelle-Northwest</u> Technical Information (3) W. J. Bair J. E. Ballou J. P. Corley D. K. Craig G. E. Dagle H. Drucker L. L. Eberhardt C. E. Elderkin R. F. Foster M. E. Frazier M. F. Gillis P. L. Hackett K. R. Heid F. P. Hungate E. L. Klepper J. E. Lund D. D. Mahlum S. Marks B. J. McClanahan J. E. Morris I. C. Nelson C. E. Newton, Jr. J. F. Park H. M. Parker H. A. Ragan W. H. Rickard C. L. Sanders L. C. Schwendiman G. A. Sehmel M. R. Sikov V. H. Smith J. K. Soldat B. O. Stuart M. F. Sullivan R. C. Thompson (240) B. E. Vaughan R. E. Wildung W. R. Wiley
-----	---