suchungsergebnisse. Strahlentherapie 137. 478-492 (1969).

G24 Guskova, A.K Current problems of radiation sickness prophylaxis and treatment. Med. Radiologiya 9: 3-8 (1986).

G25 Gerstner, H.B. Acute clinical effects of penetrating nuclear radiation. J. Am Med Assoc. 168. 381-388 (1958)

G26 Gerstner, H.B. Acute radiation syndrome in man U S. Armed Forces Med. J. 9. 313 (1958)

G27 Grant, G.A. et al. A predictive study of the incidence of vomitting in irradiated military personnel. (Canadian) Defence Research Establishment Report 817 (1979)

G28 Gerstner, H.B. Practical implication of the initial reaction to penetrating ionizing radiation U S. Air Force School of Aerospace Medicine, Brooks Air Force Base. Unpublished manuscript (1970)

G29 Gilberti, M V. The 1967 radiation accident near Pittsburgh, Pennsylvania, and a follow-up report. in: The Medical Basis for Radiation Accident Preparedness. (K F Hübner and S.A Fry, eds.). Elsevier North Holland, New York, 1980

G30 Guri, C.D , K F. Swingle and L J Cole. Urinary excretion of deoxycytidine in rats after X-irradiation: dose response and effect of age Int. J. Radiat. Biol 12: 355-364 (1967)

G31 Gunter-Smith, P.J. Effect of ionizing radiation on gastrointestinal physiology p 135-151 in: Military Radiobiology. (J.J Conklin and R.I. Walker, eds.). Academic Press, 1987.

G32 Giambarresi. L and A.J Jacobs Radioprotectants p 265-301 in Military Radiobiology (J.J. Conklin and R I Walker, eds). Academic Press, 1987.

G33 Guskova, A.K , N M. Nadezhina, A V. Barabanova et al. Acute radiation effects after Chernobyl nuclear power plant accident. immediate outcomes of sickness and the results of treatment The Medical Aspects of the Chernobyl Accident. Kiev, 1988. (In press)

H1 Hall, E.J Radiation dose-rate: a factor of importance in radiobiology and radiotherapy. Br J. Radiol 45: 81-97 (1971).

H2 Halnan, K.E and E.E Pochin. Symposium on the thyroid. Part II. Aspects of the radioiodine treatment of thyroid carcinoma. Metabolism 6. 49-62 (1957)

H3 Hamilton, E. Induction of radioresistance in mouse colon crypts Int. J. Radiat Biol. 36: 537-545 (1979).

H4 Harnden, D.G., M J. Edwards, T. Featherstone et al. Studies on cells from patients who are cancer prone and may be radio-sensitive p. 231-246 in: Genetic and Environmental Factors in Experimental and Human Cancer (H V. Gelbroin et al., eds.). Japan Scientific Societies Press, Tokyo, 1980.

H6 Hasterlik, R.J. and L D. Marinelli. Physical dosimetry and clinical observations on four human beings involved in an accidental critical assembly excursion. Proc. International Conf. on Peaceful Uses of Atomic Energy 11: 25-34 (1956).

H7 Hazra, T.A and R. Howell. Uses of beta emitters for intra-cavitary therapy p. 307-312 in: Therapy in Nuclear Medicine. (R.P. Spencer, ed). Grune and Stratton, New York, 1978.

H8 Heller, C G , P. Wooton, M.J. Rowley et al. Action of radiation upon human spermatogenesis p. 408-410 in: Proceedings of 4th Panamerican Congress of Endocrinology, Mexico City. Int. Cong. Series N112. Excerpta Medica Foundation, Amsterdam, 1966

H9 Hempleman, L.H., H. Lisco and J.G. Hoffman The acute radiation syndrome: A study of nine cases and a review of the problem. Ann. Internal Med. 36. 279-510 (1952).

H10 Hendry, J.H. The tolerance of mouse tails to necrosis after repeated irradiation with X-rays. Br. J. Radiol 51: 808-813 (1978).

H11 Hendry, J.H. and B.I. Lord The analysis of the early and late response to cytotoxic insults in the haemopoietic cell hierarchy. p 1-16 in: Cytotoxic Insult to Tissue: Effects on Cell Lineages. (C.S. Potten and J.H Hendry, eds). Churchill-Livingstone, Edinburgh, 1983

H12 Hendry, J.H. and J.V. Moore. Is the steepness of dose-incidence curves for tumour control or complications due to variation before, or as a result of irradiation? Br. J. Radiol 57 1045-1046 (1984)

H13 Hendry, J.H., I. Rosenberg, D. Greene et al. Reirradiation of rat tails to necrosis at six months after treatment with a 'tolerance' dose of X-rays or neutrons Br J. Radiol. 50: 567-572 (1977).

H14 Hendry, J.H., C.X Xu and N.G. Testa. A cellular analysis of residual haemopoietic deficiencies in mice after four repeated doses of 4.5 gray. Int. J. Radiat. Oncol. Biol. Phys 9: 1641-1646 (1983).

H15 Henk, J.M. and C W. Smith Radiotherapy and hyperbaric oxygen in head and neck cancer. Lancet (ii). 104-105 (1977).

H16 Higgins, P.D., P.M. DeLuca, D.W. Pearson et al. V79 survival following simultaneous or sequential irradiation by 15 MeV neutrons and cobalt-60 photons. Radiat. Res. 95. 45-56 (1983).

H17 Hill, R P Response of mouse lung to irradiation at different dose-rates Int. J Radiat. Oncol. Biol Phys. 9: 1043-1047 (1983)

H18 Hopewell, J W The importance of vascular damage in the development of late radiation effects in normal tissues. p. 449-459 in: Radiation Biology in Cancer Research (R.E. Meyn and H.R. Withers, eds.). Raven Press, New York, 1980.

H19 Hopewell, J.W. and C M.A. Young. Effect of field size on the reaction of pig skin to single doses of X-rays Br J Radiol. 55: 936-937 (1982).

H20 Hübner, K.F. and S A Fry. Proceedings of REAC/TS International Conference: The Medical Basis for Radiation Accident Preparedness Oak Ridge, 1979 Elsevier, North Holland Inc., 1980.

H21 Hunter, R.D and J.G. Stewart Tolerance to reirradiation of heavily-irradiated human skin Br J. Radiol 50: 573-575 (1977)

H22 Hurst, G S., R H Richie, F W Sanders et al. Dosimetry investigation of the Yugoslav accident Health Phys. 5. 179-202 (1961).

H23 Hurst, G.S., R H Richie and L.C Emerson Accidental radiation excursion at the Oak Ridge Y-12 plant. III. Determination of radiation doses Health Phys. 2: 127-133 (1959).

H26 Halnan, K.E The effect of corticosteroids on the radiation skin reaction. Br. J. Radiol. 35: 403-408 (1962)

H27 Hahn, E.W , S M Feingold and L Nisce. Aspermia and recovery of spermatogenesis in cancer patients following incidental gonadal irradiation during treatment a progress report. Radiol. 119. 223-225 (1976)

H29 Heller, C.G. Radiobiological factors in manned space flight. in Report of the Space, Radiation Study Panel of the Life Sciences Committee (W.H. Langham, ed.). National Academy of Sciences, Washington, D.C., 1967

H30 Harding, R.K. Ameliorating effects of drugs on radiation induced delay in gastric emptying in the rat. Radiat. Res. 87: 505-506 (1981).

H31 Hiraoka, T., R.C. Miller, M.N. Gould et al. Survival of human normal thyroid cells after x-ray irradiation. Int. J. Radiat. Biol. 47: 299-307 (1985).

H32 Hendry, J.H and J.V. Moore Deriving absolute values of α and β for dose fractionation, using dose-incidence data. Br. J. Radiol 58: 885-890 (1985)

H33 Huber, R., S Streng and M. Bauchinger. The suitability of the human lymphocyte micronucleus assay system for biological dosimetry. Mutat. Res. 111: 185-193 (1983).

H34 Harding, R.K and C.J. Davis Progress in the elucidation of the mechanisms of radiation-induced vomiting. Int. J. Radiat. Biol. 50: 947-950 (1986).

H35 Hunter, C G., R.J. Munson, W.M. Court-Brown et al. The general radiation syndrome: Initial reaction in the monkey Nature 180: 1466 only (1957).

H36 Hunter, C.G. The initial reaction of the general radiation syndrome. Med. Services J. (Canada) 14: 406-419 (1958).

H37 Hacker, U., J Schumann and W. Gohde. Mammalian spermatogenesis as a new system for biologic dosimetry of ionizing radiation. Acta Radiol Oncol. 21: 349-351 (1982).

H38 Hager, E.B., J.W. Fenebee and E.D. Thomas. Damage and repair of the gastrointestinal tract after supralethal radiation. Radiobiol. Radiother. (Berlin) 4: 1-12 (1963).

H39 Howland, J W. Injury and recovery from ionizing radiation exposure Annu Rev. Med. 7: 225-244 (1956).

H40 Howland, J W , M Ingram, H. Mermagen et al. The Lockport incident: accidental partial body exposure of humans to large doses of X-irradiation. p. 11-26 in Diagnosis and Treatment of Acute Radiation Injury. IAEA and WHO, 1961.

H41 Hendry, J.H. and D. Scott. Loss of reproductive integrity of irradiated cells and its importance in tissues p 160-183 in: Perspectives on Mammalian Cell Death (C.S. Potten, ed.) Oxford University Press, 1987.

H42 Hidvegi, E J., J. Holland, C. Streffer et al. Biochemical phenomena in ionizing irradiation of cells p 187-278 in: Methods in Cancer Research, Vol. XV (H. Busch, ed.). Academic Press, 1978.

H43 Harris, G., W.A. Cramp, J C. Edwards et al. Radiosensitivity of peripheral blood lymphocytes in autoimmune disease Int. J. Rad Biol 47 689-699 (1985).

H44 Hayakawa, N., M. Munaka, M. Kurihara et al. Analysis of early mortality rates of atomic bomb survivors exposed within Japanese wooden houses in Hiroshima. Hiroshima Igaku 30 126-129 (1986)

H46 Hawkins, R.N. and L.G. Cockerham. Post-irradiation cardiovascular dysfunction. p. 153-163 in. Military Radiobiology. (J.J. Conklin and R.I. Walker, eds.) Academic Press, 1987.

H47 Home Office Scientific Research and Development Branch The scientific basis for the development of guidance and operational procedures for living under radioactive fallout conditions. Publication 20/85. Home Office, London, 1985.

H48 Hendry, J H., R. Schofield and N.E.B. Bwire. Radiosensitivity of murine haemopoietic colony-forming units assayed in situ in the rib and in other marrow sites. Radiat. Res. 105: 370-378 (1986).

H49 Hart, R.M., R.G. Evans, B.F. Kimler et al. Radiotherapeutic management of medulloblastoma in a pediatric patient with ataxia telangiectasia. Int. J. Radiat. Oncol. Biol. Phys 12, Suppl. 1: 114 (1986)

I1 International Atomic Energy Agency. The Vinca Dosimetry Experiment. Technical Report Series No 6 IAEA, Vienna, 1962.

I2 International Atomic Energy Agency. Diagnosis and Treatment of Incorporated Radionuclides. IAEA, Vienna, 1976.

I3 International Atomic Energy Agency. Treatment of incorporated transuranium elements Technical Report Series No. 184. IAEA, Vienna, 1978.

I4 International Atomic Energy Agency. Biological Implications of Radionuclides Released from Nuclear Industries. IAEA, Vienna, 1979.

I5 International Commission on Radiological Protection. Data for protection against ionising radiation from external sources: ICRP Publication 21 (Suppl. to ICRP publication 15). Pergamon Press, Oxford, 1971.

I6 International Commission on Radiological Protection Report of the task group on reference man. p. 86-102. ICRP Publication 23. Pergamon Press, Oxford, 1975.

I7 International Commission on Radiological Protection Biological effects of inhaled radionuclides. ICRP Publication 31. Pergamon Press, Oxford, 1980.

I8 International Commission on Radiation Units and Measurements. Quantitation concepts and dosimetry in radiobiology. ICRU Report 30. (1979).

I9 International Commission on Radiological Protection. Nonstochastic effects of ionizing radiation. ICRP Publication 41 Pergamon Press, Oxford, 1984

I10 Iwanami Shoten, Publishers. Hiroshima and Nagasaki. The Physical, Medical and Social Effects of the Atomic Bombings. Tokyo, 1979

I11 Ishida M and I. Masubayashi. An analysis of early mortality rates following the atomic bomb—Hiroshima. ABCC-TR 20-61: 1-10 (1961)

I12 International Commission on Radiological Protection. The principles and general procedures for handling emergency and accidental exposures of workers ICRP Publication 28, Annals of the ICRP, 2. No 1. Pergamon Press, Oxford, 1978

I13 International Collaborating Centre in Radiopathology. World Health Organization. Accidents radiologiques. Conduite à tenir en cas de surexposition. Fontenay-aux-Roses, 1984.

I14 International Atomic Energy Agency. Overexposures by external irradiation. Assessment and treatment IAEA, Vienna. (to be published)

I15 Ingram, M Clinical and laboratory observations useful in estimating degree of radiation injury in: A Study of Early Radiation-induced Biological Changes as Indicators of Radiation Injury. Life Sciences Research Office, Federation of American Societies for Experimental Biology Bethesda, 1969

I16 Ingram, M. and K. Preston Importance of automatic pattern recognition techniques in the early detection of altered hematopoiesis Ann N Y Acad. Sci 113 1066-1072 (1964)

I17 Ikeya, M , J. Miyajima and S Okajima. ESR dosimetry for atomic bomb survivors using shell buttons and tooth enamel. Jap. J. of Appl Phys. 23: 697-699 (1984).

I18 International Atomic Energy Agency. Summary Report on the Post-Accident Review Meeting on the Chernobyl Accident. Safety Series No. 75-INSAG-1 Vienna, 1986

I19 International Commission on Radiological Protection. Limits for intakes of radionuclides by workers. ICRP Publication 30 Pergamon Press, Oxford, 1979.

I20 Ingram, M., J W. Howland and C.L. Hansen. Sequential manifestation of acute radiation injury vs. acute radiation syndrome stereotype Ann. N.Y Acad. Sci 114 356-367 (1964).

I21 International Commission on Radiation Units and Measurements. The Quality Factor in Radiation Protection. ICRU Report 40 (1986).

I22 International Atomic Energy Agency. Biological Dosimetry: Chromosomal Aberration Analysis for Dose Assessment. Technical Report No. 260 IAEA, Vienna, 1986

I23 International Atomic Energy Agency. Report on the Brazilian Accident. IAEA, Vienna, 1988.

J1 Jacobs, G.J , F X. Lynch, E.P. Cronkite et al. Human radiation injury—a correlation of leukocyte depression with mortality in the Japanese exposed to the Atomic bomb. Military Medicine 128: 732-739 (1963).

J2 Jammet, H. Treatment of victims of the zero energy reactor at Vinca. p. 83-103 in: Diagnosis and Treatment of Acute Radiation Injury IAEA and WHO, Geneva, 1961.

J3 Jammet, H., R. Gongova, P Pouillard et al The 1978 Algerian accident: Four cases of protracted whole-body irradiation p. 113-129 in: The Medical Basis for Radiation Accident Preparedness (K F. Hübner and S.A. Fry, eds.) Elsevier, North Holland Inc., 1980.

J4 Jammet, H., G. Mathe, B. Pendic et al. Etude de six cas d'irradiation totale aigüe accidentelle Rev Fr Etud. Clin. Biol 4: 210-225 (1959)

J5 Jirtle, R.L., J.R. McLain, S.C Strom et al. Repair of radiation damage in non-cycling parenchymal hepatocytes. Br. J. Radiol. 55: 847-851 (1982).

J6 Jolles, B and R.G. Mitchell. Optimal skin tolerance levels. Br. J. Radiol. 20. 405-409 (1947).

J7 Joyet, G. and K. Hohl. Die Biologishe Hautreaktion in der Tiefentherapie als Funktion der Feldgrosse. Ein Gesetz der Strahlentherapie Fortschritte auf dem Gebiete der Rontgenstrahlung 82 387-400 (1953).

J9 Job, G., M. Pfreundschuh, M Bauer et al The influence of radiation therapy on T-lymphocyte subpopulations defined by monoclonal antibodies. Int J Radiat. Oncol , Biol Phys 10· 2077-2081 (1984)

J10 Jones, A.R. Proposed calibration factors for various dosimeters at different energies Health Phys. 12· 663-671 (1966).

J11 Jammet, H , R. Gongora, J.C. Nenot et al Aspects médicaux des accident radiologiques traités en France. 6th International Congress of the IRPA, Berlin, (1984).

J12 Jammet, H and J C Nenot Conduite à tenir en cas de surexposition accidentelle Le Concours Médical 27 31-37 (1984).

J13 Jammet, H , R Gongora, R Le Go et al Observation clinique et traitement d'un cas d'irradiation globale accidentelle. 1st International Congress of the IRPA, Rome (1966).

J14 Jammet, H Valeur des indicateurs biochimiques. p 223-258 in: Biochemical Indicators of Radiation Injury in Man. IAEA, Vienna, 1971

J15 Jammet, H. Contribution respective de la dosimétrie physique et de la dosimétrie biologique en cas de surexposition accidentelle p. 327-339 in· Handling of Radiation Accidents IAEA. Vienna. 1969

J17 Jenkin, R.D.T., W.D Rider and M.J. Sonley. Ewing's sarcoma: a trial of adjuvant total-body irradiation Radiology 96 151-155 (1970)

J18 Jammet, H et al. (eds.) Radiation damage to skin. Fundamental and practical aspects Proceedings of a Workshop held in Saclay, France. 1985 Br. J Radiol , Suppl 19 (1986)

J19 Jammet, H P , R. Gongora, R Le Go et al. Clinical and biological comparison of two acute accidental irradiations. Mol (1965) and Brescia (1975) The Medical Basis for Radiation Accident Preparedness. (K.F. Hübner and S A Fry, eds) Elsevier North Holland, New York, 1980

J20 Johnson, R.E Total body irradiation of chronic lymphocytic leukaemia incidence and duration of remission Cancer 25: 523-530 (1970).

J21 Johnson, R.E., G.T. O'Connor and D. Levin Primary management of advanced lymphosarcoma with radiotherapy Cancer 25. 787-791 (1970)

K1 Keane, T.J , J van Dyke, W D. Rider et al. Idiopathic interstitial pneumonia following bone marrow transplantation: The relationship with total body irradiation. Int. J. Radiat. Oncol., Biol. Phys. 7: 1365-1370 (1981)

K2 Kidson, C., P. Chen and P. Imray. Ataxia telangiectasia heterozygotes· Dominant expression of ionising radiation sensitive mutants. p. 363-372 in Ataxia Telangiectasia—A Cellular and Molecular Link Between Cancer, Neuropathology and Immune Deficiency. (B A. Bridges and D G Harnden, eds.) John Wiley and Sons Ltd , 1982.

K3 Krohn, P.L. Factors influencing the number of oocytes in the ovary. Arch. Anat. Microsc. 56 151-159 (1967).

K4 Kumatori, T., T. Ishihara, K Hirashima et al. Follow-up studies over a 25-year period on the Japanese fishermen exposed to radioactive fallout in 1954 p. 33-54 in. The Medical Basis for Radiation Accident Preparedness. (K.F. Hübner and S.A. Fry, eds.) Elsevier, North Holland Inc., 1980.

K6 Knox, S.J., M. Shifrine and L.S. Rosenblatt. Assessment of the in vitro radiosensitivity of human peripheral blood lymphocytes. Radiat. Res. 89: 575-589 (1982)

K7 Kurashkov, N.A. (ed.). Acute Radiation Trauma in Man. Meditsina Publishers, Moscow, 1965

K8 Kurshakov, N.A., G.D. Baisogolov, A.K Guskova et al. On the correlation between local tissue changes and general reactions at different phases of acute radiation syndrome in humans. Med. Radiologiya 11 15-42 (1966).

K9 Kelly, G N., J R. Simmonds, H Smith et al The radiological consequences of notional accidental releases of radioactivity from fast breeder reactors. sensitivity to the dose-effect relationships adopted for early biological effects. NRPB-R87 (1979)

K10 Kotzin, B.L., G.S. Kansas, E.G. Engleman et al Changes in T cell subsets in patients with rheumatoid arthritis treated with total lymphoid irradiation Clin. Immunol Immunopathol 27· 250-260 (1983).

K12 Killman, S A , E.P Cronkite, V.P. Bond et al. Acute radiation effects in man revealed by unexpected exposures. in Diagnosis and Treatment of Radiation Injury WHO, Geneva, 1961.

K13 Kelly, S. and C.D Brown. Chromosome aberrations as a biological dosimeter. Am. J. Public Health 55 1419-1429 (1965).

K14 Krepinsky, A.B. and J.A. Heddle. Micronuclei as a rapid and inexpensive measure of radiation-induced chromosomal aberrations. p 93-109 in· Radiation-induced Chromosome Damage in Man (A.R Liss, ed.) New York, 1983.

K15 Konishi, E. and Y. Yoshizawa. Estimation of depth of basal cell layer of skin for radiation protection Radiat Prot. Dosim. 11. 29-33 (1985)

K16 Kerr, G.D., J.V. Pace, E. Mendelsohn et al. Transport of initial radiations in air over ground. p. 66-142 in. U.S.-Japan Joint Reassessment of Atomic Bomb Radiation Dosimetry in Hiroshima and Nagasaki Dosimetry System DS86, Final Report, Vol. 1. (W.C. Roesch, ed) The Radiation Effects Research Foundation, Hiroshima, 1987.

K18 King, E R Use of total-body radiation in the treatment of far-advanced malignancies. J. Amer Med Assoc. 177. 610-613 (1961)

K19 Kaul, A., A. Dehos, W. Bogl et al (eds) Biological Indicators for Radiation Dose Assessment. MMV Medizin Verlag, Munich, 1986

K20 Kashima, H K., W.R. Kirkham and J R. Andrews. Post-irradiation sialadenitis A study of the clinical features, histopathologic changes and serum enzyme variations following irradiation of human salivary glands Amer J. Roentgenol. 94. 271-291 (1965)

K21 Kumatori, T Hematological effects on heavily irradiated Japanese fishermen. Biological Aspects of Radiation Protection. (T. Sugahara and O. Hug, eds.) Igaku Shoin, Tokyo, 1971.

K22 Kay, R.E., J C. Early and C. Entenman. Increased urinary excretion of taurine and urea after irradiation. Radiat. Res. 6: 98-109 (1957).

K23 Konchalovsky, M.V., A E. Baranov, A.K. Guskova et al Total-body γ-therapeutic irradiation in a dose of 3 Gy in acute leukemia—hematological and clinical aspects of the bone marrow syndrome J. Medical Radiology 11. 11-15 (1987)

L1 Lacassagne, A., J.F. Duplan, N Marcovitch et al The action of ionizing radiations on the mammalian ovary. p. 498-501 in· The Ovary. Vol 2 Academic Press, New York, 1962.

L2 Lamerton, L.M Cell proliferation and the differential response of normal and malignant tissues. Br J Radiol 45: 161-170 (1972).

L3 Lange, C S. and C.W. Gilbert Studies on the cellular basis of radiation lethality. III. The measurement of

stem-cell repopulation probability. Int. J. Radiat. Biol. 14: 373-388 (1968).

L4 Langham, W.H. (ed.). Radiation effects in man: Early effects p 59-133 in: Report of the Space Radiation Study Panel of the Life Sciences Committee, Space Sciences Board. NRC-1487 (1967).

L5 Leeksma, C H.W and J.A. Cohen Determination of the life-span of human blood platelets using labelled diisopropylfluorophosphonate J. Clin. Invest. 35. 964-969 (1956).

L7 Lord, B.I. and J.H. Hendry. The distribution of haemopoietic colony-forming units in the mouse femur and its modification by X-rays. Br. J. Radiol 45: 110-115 (1972).

L8 Lushbaugh, C.C. Reflections on some recent progress in human radiobiology. Advances in Radiation Biology 3: 277-314 (1969).

L9 Lushbaugh, C.C. The impact of estimates of human radiation tolerance upon radiation emergency management p 46-57 in: The Control of Exposure of the Public to Ionizing Radiation in the Event of Accident or Attack Proceedings of a Symposium held in April 1981. NCRP (1982).

L10 Lushbaugh, C.C., F. Comas and R. Hofstra Clinical studies of radiation effects in man. A preliminary report of a retrospective search for dose-response relationships in the prodromal syndrome. Radiat. Res. Suppl 7: 398-412 (1967).

L11 Lushbaugh, C.C , F Comas, E.L. Saenger et al. Radiosensitivity of man by extrapolation from studies of total-body irradiation of patients. Radiat Res. 27: 487-488 (1966).

L12 Lushbaugh, C.C., S.A. Fry, S.A Hübner et al. Total body irradiation, a historical review and follow-up. p. 3-15 in: The Medical Basis for Radiation Accident Preparedness. (K F. Hübner and S.A. Fry, eds.) Elsevier, North Holland Inc., 1980.

L13 Lushbaugh. C.C. and R.C. Ricks. Some cytokinetic and histopathologic considerations of irradiated male and female gonadal tissues. Front Radiat. Ther. Oncol. 6. 228-248 (1972).

L14 Los Alamos Scientific Laboratory The effects of atomic weapons. McGraw Hill New York, 1950.

L15 Lloyd, D C , R.J Purrot, J.S. Prosser et al. Doses in radiation accidents investigated by chromosome aberration analysis. NRPB-R 57 (1977).

L16 Lloyd, D.C., R.J. Purrot, G W Dolphin et al. Doses in radiation accidents investigated by chromosome aberration analysis. IX. A review of cases investigated: 1980. NRPB-R 117 (1981).

L17 Lloyd, D.C., R.J. Purrot, G.W. Dolphin et al The relationship between chromosome aberrations and low-LET radiation dose to human lymphocytes. Int. J. Radiat. Biol. 28: 75-90 (1975).

L18 Littlefield, L G , E.E. Joiner, R.J. Dufrain et al. Cytogenic dose estimates from in vivo samples from persons involved in real or suspected radiation exposure p. 375-390 in: The Medical Basis for Radiation Accident Preparedness. (K.F. Hübner and S.A. Fry, eds.). Elsevier, North Holland Inc., 1980.

L19 Labetzki, L., R.E. Schmidt, J.H. Hartlapp et al. Ganzkörperbestrahlung bei malignen Lymphomen niedriger Malignität. Strahlentherapie 158: 195-201 (1982).

L20 Laumets, E. Time history of biological response to ionizing radiation. USNRDL-TR-905 (1965).

L22 Liebow, A.A., S. Warren and E. De Coursey. Pathology of atomic bomb casualties. Am. J. Pathol. 25: 853 (1949).

L24 Lushbaugh, C.C. Recent progress in assessment of human resistance to total-body irradiation. NAS NRC Conference Paper 67-1135 (1968).

L25 Lloyd, D.C. and A.A Edwards Chromosome aberrations in human lymphocytes: effect of radiation quality, dose and dose rate. p. 23-49 in: Radiation-Induced Chromosome Damage in Man. (T. Ishihara and M S. Sasaki, eds.). A R. Liss, New York, 1983

L28 Lloyd, D.C. et al. A collaborative exercise on cytogenetic dosimetry for simulated whole- and partial-body accidental irradiation. Mutat. Res 179: 197-208 (1987).

L29 Ladner, H.A. Aminosäuren und ihre Metabolite in der radiologischen Klinik. p. 64-76 in: Biochemisch nachweisbare Strahlenwirkungen und deren Beziehungen zur Strahlentherapie. (G.B. Gerber et al., eds). Georg Thieme Verlag, Stuttgart, 1970.

L30 Langendorff, H., H.J. Melching and C. Streffer. Veränderungen des Aminosaurestoffwechsels weisser Mäuse durch subletale Ganzkörperbestrahlung. Strahlentherapie 114: 525-534 (1961).

L31 Li, Y., M. Jing, S. Yang et al. Protective effect of partial shielding on 600 rad γ-irradiated dogs. Chin. J. Radiol Med Prot. 4. 258-261 (1985)

L32 Lockhart, S.P., J.D. Down and G.G. Steel. The effect of low dose-rate and cyclophosphamide on the radiation tolerance of the mouse lung. Int. J. Radiat. Oncol , Biol. Phys. 12. 1437-1440 (1986).

L33 Langham, W.H , P.M. Brooks and D Grahn (eds) Radiation biology and space environmental parameters in manned spacecraft design and operations. Aerospace Med 36: 1-55 (1965)

L34 Levin, W.C., M. Schneider and H.B. Gerstner School of Aviation Medicine, USAF Aerospace Medical Centre, Brooks Air Force Base. Report 60-1 (1959)

L36 Lloyd, D.C., R J Purrot, G.W. Dolphin et al Chromosome aberrations induced in human lymphocytes by neutron irradiation. Int J Radiat. Biol. 29. 169-182 (1976)

L37 Langlois, R.C , W.L. Bigbee, S Kyoizumi et al Evidence for increased somatic cell mutations at the glycophorin A locus in atomic bomb survivors Science 236: 445-448 (1987)

L38 Lushbaugh, C.C., S.A. Fry and R.C. Ricks. Medical and radiological basis of radiation accident management. Br J Radiol. 60: 1159-1163 (1987).

L39 Liniecki, J., A. Bojerska and K Wyszynska. Dose-response relationships for chromosome aberrations in peripheral blood lymphocytes after whole- and partial-body irradiations I Effects immediately after irradiation. Mutat. Res 110: 83-101 (1983).

M1 Mackee, G.M., A. Mutscheller and A.C Cipollaro. Archives of Dermatology and Syphilology (Chicago) 47: 657-664 (1943).

M2 Martin, J.H. Human survival-radiation exposure levels J Soc Radiol. Prot. 3. 15-23 (1983).

M3 Martinez, G.R., H.G. Cassab, G.G. Ganem et al Observations on the accidental exposure of a family to a source of cobalt-60. Rev. Med. Inst. Mex. Seguro. Social 3, Suppl. 1: 14-68 (1964)

M5 Matsuzawa, T. and R. Wilson. The intestinal mucosa of germ-free mice after whole-body X-irradiation with 3 kiloroentgens. Radiat Res. 25. 15-24 (1965).

M6 Mauer, A.M , J W. Athens, H Ashenbrucker et al Leukokinetic studies. II. A method for labelling granulocytes in vitro with radioactive diisopropylfluoroposphate (DFP32). J. Clin. Invest. 39: 1481-1486 (1960).

M7 Mayer, K.M., K.S Pentlow, R.C. Marcove et al Sulphur-35 therapy for chondrosarcoma and chordoma. p. 185-192 in: Therapy in Nuclear Medicine (R.P. Spencer, ed.). Grune and Stratton, New York, 1978.

M8 McClellan, R.O. Health effects from internally deposited radionuclides released in nuclear disasters. p. 28-38 in: The control of exposure of the public to ionizing radiation in the event of accident or attack. NCRP, Washington D.C. (1982).

M9 McDonald, S.C., B.E. Keller and P. Rubin. Method for calculating dose to lung where tumor lies in the treatment field. Med. Phys. 2: 210-216 (1976).

M10 McFarland, W and H A Pearson Hematologic events as dosimeters in human total-body irradiation. Radiology 80: 850-855 (1963)

M11 McNally, N.J., J. de Ronde, J and M. Hinchliffe The effect of sequential irradiation with X-rays and fast neutrons on the survival of V79 Chinese hamster cells Int. J. Radiat. Biol. 45. 301-310 (1984)

M12 Mechanic, N Untersuchungen über das Gewicht des Knochenmarks des Menschen. Zeitschrift fur die gesamte Anatomie 79: 58-99 (1926).

M13 Medical Research Council. Committee on Effects of Ionizing Radiation. A forum on lethality from acute and protracted radiation exposure in man. Int. J. Radiat. Biol. 46 209-217 (1984)

M15 Merriam, G.R , A Szechter and E.F. Focht The effects of ionizing radiations on the eye. Front. Radiat. Ther. Oncol 6 346-385 (1972)

M16 Michalowski, A. Effects of radiation on normal tissues: Hypothetical mechanisms and limitations of in situ assays of clonogenicity. Radiat Environ. Biophys. 19. 157-172 (1981).

M18 Miller, L S , G.H. Fletcher and H.B Gerstner Radiobiologic observations on cancer patients treated with whole-body irradiation Radiat. Res 8: 150-165 (1958)

M19 Mole, R.H Quantitative aspects of the lethal action of whole-body irradiation in the human species Brief and protracted exposure and the applicability of information from other mammalian species. Int. J Radiat Biol 46. 212-213 (1984)

M20 Morgan, J L., T.M Holcombe and R W Morrissey Radiation reaction in ataxia telangiectasia. Am J Dis Child 116: 557-558 (1968)

M21 Moritz, A R and F.W. Henriques Effect of beta rays on the skin as a function of the energy, intensity and duration of radiation II Animal experiments Lab. Invest 1: 167-185 (1952).

M22 Moshell, A.N , R E Tarone S F. Barratt et al. Radiosensitivity in Huntingdon's disease: Implications for pathogenesis and presymptomatic diagnosis Lancet (i) 9-11 (1980)

M24 Mulcahy, R.T , M N Gould and K H Clifton. The survival of thyroid cells in vivo irradiation and in situ repair. Radiat. Res 84. 523-528 (1980)

M25 International Atomic Energy Agency Manual on Radiation Haematology. IAEA, Vienna, 1971.

M26 Mole, R.H. Sodium in man and the assessment of radiation dose after criticality accidents Phys. Med Biol. 29. 1307-1327 (1984)

M27 Mole, R.H The LD_{50} for uniform low LET irradiation of man: a postscript. Br J. Radiol 58 98-99 (1985).

M28 Mole, R.H The LD_{50} for uniform low LET irradiation of man Br. J. Radiol. 57. 355-369 (1984).

M29 Middleton, G R. and R.W Young. Emesis in monkeys following exposure to ionizing radiation Av Sp Env. Med 46: 170-172 (1975)

M30 Miyakawa, T., T. Adachi, H. Eto et al The bone marrow dose in tele-radiotherapy in Japan Nippon Acta Radiol. 30. 368-384 (1970)

M31 Mathé, G , J.L. Amiel and L. Schwarzenburg. Treatment of acute total-body irradiation injury in man. Ann N Y Acad. Sci. 114: 368-392 (1964)

M33 Mestries, J.C., J C Zegers, L Court et al Influence de l'irradiation sur la circulation cérébrale chez le signe cymomolgus (macaca fascicularis) II Effets à des doses de 300 et 400 rads γ. Premières observations. Trav. Scient. 3. 101-104 (1982)

M34 Millburn, L.F., L O'Grady and F.R. Hendrickson. Radical radiation therapy and total body irradiation in the treatment of Ewing's sarcoma. Cancer 22. 919-925 (1968).

M35 Metevier, H., P. Gerasimo, P. Fritsch et al. Comparison of the efficiencies of LICAM C and DTPA for the decorporation of plutonium-239 inhaled by baboons as a tributyl phosphate complex. (J.R Maisin, ed.) Eulep Newsletter 40: 23-25 (1985).

M36 Mitchell, J.B., J S. Bedford and S.M. Bailey. Dose-rate effects in mammalian cells in culture. III A comparison of cell killing and cell proliferation during continuous irradiation for six different cell lines. Radiat. Res. 79: 537-551 (1979).

M37 Morardet, N., C. Parmentier, M. Hayat et al. Effects of radiotherapy on the bone marrow granulocytic progenitor cells (CFU-C) of patients with malignant lymphomas. II. Long-term effects Int. J. Radiat. Oncol., Biol. Phys. 4: 853-857 (1978).

M38 Mah, K., J van Dyk, T. Keane et al. Acute radiation induced pulmonary damage. a clinical study on the response to fractionated radiation therapy. Int. J Radiat Oncol., Biol. Phys. (in press)

M39 Minder, W. Interne Kontamination mit Tritium Strahlentherapie 137. 700-704 (1969).

M40 Michaelson, S.M., B. Schreiner, C.L. Hansen et al Cardiovascular changes in the dog following exposure to X-rays. UR-596 (1961).

M41 Miller, R C., K.J. Kopecky, T. Hiraoka et al. Comparison of radiosensitivities of human autologous normal and neoplastic thyroid epithelial cells. Br. J. Radiol 59: 127-130 (1986)

M42 Mclean, A S Early adverse effects of radiation. Br. Med. Bull. 29: 69-73 (1973).

M43 Messerschmidt, O Medical Procedures in a Nuclear Disaster. Verlag Karl Thieming, Munich, 1979.

M44 McCandless, J B. Accidental acute whole-body gamma irradiation of seven clinically well persons J Am. Med Assoc 192 85-88 (1965)

M45 Mao, B.Z , H Huang and N. Tian. Studies on the classification of the diagnosis of acute radiation disease in dogs. Chin. J Radiol. Med Prot. 2: 1-5 (1979)

M46 Meistrich, M.L. Relationship between spermatogonial stem cell survival and testis function after cytotoxic therapy Br. J. Cancer 53, Suppl. VII. 89-101 (1986)

M48 Morris, M.D and T D Jones. A comparison of dose-response models for death from hematological depression Int J Radiat. Biol. (in press)

M49 Miric, I. Nuclear accident dosimetry Report of the Third IAEA Intercomparison Experiment at Vinca, Yugoslavia Report MG-140 (1977)

M50 Mazurick, V.K. Radiological bases for biochemical indicators of radiation damage Scientific and technical findings. VINITI, Radiation Biology Series, Moscow 3. 39-103 (1980).

M51 Mazurick, V.K , V F. Mikhailov and M.P. Tarakanova Post-irradiation changes in erythrocyte membranes as a radiological basis for biochemical indicators of radiation damage to the organism p 206-219 in. SAAS-280 (1981)

M52 Mikhailof, V.K. and L.A. Potemkin Evaluation of radiation damage to erythrocyte membranes according to changes in sedimentation characteristics in rat and dogs Radiobiologiya 6. 784-786 (1985).

M53 Maruyama, Y. and J.M. Feola Relative radiosensitivities of the thymus, spleen and lymphohaemopoietic systems. In: Relative radiation sensitivities of human organ systems. Adv. Radiat Biol. 12. 1-82 (1987).

M54 Monroy, R.L Radiation effects on the lymphohematopoietic system: A compromise in immune competency. p 111-134 in. Military Radiobiology. (J.J. Conklin and R.I. Walker, eds.). Academic Press, 1987

N1 Nenot, J.C. Clinical management of localized overexposures. J. Soc. Radiol. Prot. 5 55-58 (1985)

N2 Neumann, H.A., G.W. Lohr and A.A Fauser Radiation sensitivity of pluripotent hemopoietic progenitors (CFUGEMM) derived from human bone marrow. Exp. Hematol. 9. 742-744 (1981)

N3 National Academy for Sciences, National Research Council. Committee on Pathologic Effects The bio-

logical effects of atomic radiation Summary reports. NAS-NRC (1960).

N4 National Council on Radiation Protection and Measurements. Basic Radiation Protection Criteria NCRP Report No. 39 (1971).

N5 Nenot, J.C. Surexposition accidentelle prolongée. Problèmes diagnostique et prognostique· Proceedings of a Seminar on Medical Treatment Applicable to Cases of Radiation Overexposure CEC, February 1986. (in press).

N6 National Council on Radiation Protection and Measurements. Radiological factors affecting decision making in a nuclear attack NCRP Report 42 (1974)

N7 Neubacher, H. and W. Lohnmann. Biophysical indicators for radiation dose assessment· electron spin resonance. p 57-69 in. Biological Indicators of Radiation Dose Assessment. (A Kaul et al , eds) MMV Medizin Verlag, Munich, 1986.

N8 Newton, K.A. and M.F Spittle. Whole lung irradiation. Clin. Radiol 20: 19-22 (1969).

N9 Newton, K.A. and A. Barrett. Prophylactic lung irradiation in the treatment of osteosarcoma Clin. Radiol. 29: 493-496 (1978).

N10 NATO Handbook on the Medical Aspects of NBC Defensive Operations U S Departments of the Army, Navy and Air Force. Report AMED P-6 (1973).

N11 Nuclear Weapons Employment Doctrine and Procedures U.S. Army Nuclear and Chemical Agency FM 101-31-1. Washington, 1977

N12 National Council on Radiation Protection and Measurements Exposure to radiation in an emergency. NCRP Report No 29 (1962).

N14 National Institute of Radiological Sciences. Chiba iridium-192 accident in 1971 J. Radiat. Res (Special issue) 14· 271-337 (1973)

N15 National Council on Radiation Protection and Measurements Internal emitters. Management of persons accidentally contaminated with radionuclides. NCRP Report No. 65 (1980).

N16 Nadezhina, N.M. Experience of a specialized centre in the organization of medical care of persons exposed during a nuclear reactor accident. Br. J. Radiol. 60: 1169-1170 (1987).

O1 Oakes, W.R. and C C Lushbaugh. Course of testicular injury following accidental exposure to nuclear radiation· Report of a case Radiology 59: 737-743 (1952).

O2 Oak Ridge National Laboratory. Accidental radiation excursion at the Y-12 plant. Final Report Y1234. Oak Ridge, Tennessee, 1958

O3 Orton, C G and B M. Webber. Time-dose factor (TDF) analysis of dose rate effects in permanent implant dosimetry. Int. J. Radiat. Oncol , Biol Phys. 2: 55-60 (1977).

O4 Oughterson, A W et al. Statistical analysis of the medical effects of the atomic bombs. TID-5252 (1955).

O5 Oughterson, A.W. and S. Warren. Medical Effects of the Atomic Bomb in Japan. McGraw-Hill, New York, 1956.

O6 Okhita, T. Acute effects. A review of thirty years study of Hiroshima and Nagasaki atomic bomb survivors. J. Radiat. Res. Suppl. 49-66 (1975).

O7 Ostrowski, K., W Dziedzicgoclawska, W. Stachowicz et al Accuracy, sensitivity and specificity of electron spin resonance analysis of mineral constituents of irradiated tissues. Ann. N.Y. Acad Sci. 238. 186-201 (1974).

P1 Palma, L.D. Intestinal malabsorption in patients undergoing abdominal radiation therapy. p. 261-274 in Gastrointestinal Radiation Injury (M.F. Sullivan, ed.) Excerpta Medica Foundation, 1968.

P2 Paterson, R. Choice of technique, time and dose. p 25-47 in: Treatment of Malignant Disease by Radiotherapy. (2nd edition) The Williams and Wilkins Co., Baltimore, 1963.

P3 Peck, W S., J.J. McGreer, N.R Kretzschmar et al Castration of the female by irradiation. Radiol. 34. 126-186 (1940).

P4 Perman, V., E P Cronkite, V P Bond et al. The regenerative ability of hemopoietic tissue following lethal X-irradiation in dogs Blood 19· 724-737 (1962).

P5 Phillips, T L. and L Margolis Radiation pathology and the clinical response of lung and oesophagus. Front. Radiat. Ther. Oncol. 6. 254-273 (1972)

P7 Pospisil, M. and M. Vacha. Individual radiosensitivity its mechanisms and manifestations. Academia, Praha (1983)

P8 Potten, C.S. The cell kinetic mechanisms for radiation-induced cellular depletion of epithelial tissue based on hierarchical differences in radiosensitivity Int. J Radiat. Biol. 40: 217-225 (1981).

P9 Potten, C S Clonogenic, stem and carcinogen-target cells in small intestine Scand. J. Gastroenterol. 19, Supplement 104. 3-14 (1984)

P10 Potten, C S. Cell death (apoptosis) in hair follicles and consequent changes in the width of hairs after irradiation of growing follicles. Int J Radiat Biol. 48: 349-360 (1985).

P11 Potten, C.S., J.H. Hendry and S.E Al-Barwari. A cellular analysis of radiation injury in epidermis. p. 153-185 in· Cytotoxic Insult to Tissue: Effects on Cell Lineages. (C.S Potten and J H Hendry, eds.) Churchill-Livingstone, Edinburgh, 1983

P12 Pavlov, A S and G.M. Barer Course of the reactions of the oral cavity mucous membrane during radiation therapy for mandibular-facial area neoplasms as a function of the absorbed radiation dose Med Radiologiya 10: 22 (1965)

P15 Petrini, B , J Wasserman, U. Gas et al T-lymphocyte subpopulations in blood following radiation therapy for breast cancer. Eur. J. Cancer Clin. Oncol. 18 921-924 (1982).

P16 Parmentier, C., F Therain, P. Charbord et al. Comparative study of indium-111 and iron-59 bone marrow scanning. Eur. J. Nucl Med 2. 89-92 (1977)

P17 Pincu, M , D Bass and A Norman. An improved micronuclear assay in lymphocytes Mutat Res. 139: 61-65 (1984).

P18 Pyatkin, E.K., I I. Suskov, A E Melnikova et al Comparison of effectiveness of γ-rays and fission-spectrum neutrons by their ability to induce chromosome aberrations in human peripheral blood lymphocytes in vitro. Radiologia 15 879-882 (1975).

P20 Potten, C S Possible dosimeters in skin and hair. p 182-196 in. Biological Indicators for Radiation Dose Assessment. (A. Kaul et al eds.). MMV Medizin Verlag, Munich, 1986

P21 Parkinson, E.K., W.J. Hume and C.S. Potten The radiosensitivity of cultured human and mouse keratinocytes. Int. J. Radiat. Biol. 50. 717-726 (1986).

P22 Pyatkin, E.K. and A.E Baranov Biological dose indication by means of the analysis of chromosome aberrations and cell count in peripheral blood. Itogi nauki i tekhniki VINITI AN SSSR. Ser. "Radiatsionnaya biologiya" 3· 103-179 (1980)

P23 Pyatkin, E.K. and V.Y. Nugis Dose-dependence of chromosome aberration outcome in in vitro and in vivo irradiation of humans. Med Radiologiya 9: 30-35 (1986)

P24 Prasad, K N. Human Radiation Biology. Harper & Row, Hagerstown, Maryland, 1974

P25 Potten, C.S. and J.H Hendry (eds.). p. 421 in· Cytotoxic Insult to Tissue· Effects on Cell Lineages Churchill-Livingstone, Edinburgh, 1983.

P26 Paterson, M.C., N.T. Bech-Hansen, P J. Smith et al Radiogenic neoplasia, cellular radiosensitivity and faulty DNA repair. p. 319-336 in: Radiation Carcinogenesis: Epidemiology and Biological Significance. (J.D. Boice and J F. Fraumeni, eds.). Raven Press, New York, 1984

P27 Paterson, M.C , S J. MacFarlane, N.E. Genter et al Cellular hypersensitivity to chronic γ-irradiation in cultured fibroblasts from ataxia telangiectasia heterozygotes p 73-87 in. Ataxia-telangiectasia: Genetics, Neuropathology and Immunology of a Degenerative Disease of Childhood (R.A. Galti and M Swift, eds) Kroc Foundation Series Vol. 19. Alan Liss, New York, 1985

P28 Potten, C.S. Radiation and Skin. p. 225. Taylor and Francis, London, (1987).

P29 Potten, C.S. and J H Hendry. Stem cells in murine small intestine p 155-199 in. Stem Cells. their Identification and Characterization. (C.S. Potten, ed). Churchill-Livingstone, Edinburgh, 1983.

P30 Potten, C.S Possible defects in the proliferative organization and control mechanism in psoriasis p 15-35 in. Psoriasis. Proceedings of the 4th Int Symposium Elsevier. Amsterdam London, 1987

P31 Porschen, W., N. Zamboglou, H Muhlensiepen et al. Biological in vivo dosimetry via external measurements. p 118 in· Abstracts of the 12th Meeting of the European Society for Radiation Biology, Budapest, 1978

P32 Peel, D M., J.W. Hopewell, J Wells et al. Non-stochastic effects of different energy beta emitters on pig skin Radiat Res 99 372-382 (1984)

Q1 Quastler, H. Studies on roentgen death in mice I Survival time and dosage Am J. Roentgenol 54 449-456 (1945)

R1 Jayewsky, B. Research in the problem of radium poisoning and the tolerance dose of radium. Radiology 32. 57-62 (1939).

R3 Remsen, J.F. and P A Cerutti. Deficiency of gamma-ray excision repair in skin fibroblasts from patients with Fanconi's anaemia. Proc. Natl Acad Sci. (USA) 73: 2419-2423 (1976)

R4 Reynaud, A. and E L Travis Late effects of irradiation in mouse jejunum. Int J Radiat Biol. 46: 125-134 (1984).

R5 Ricks, R C., C C Lushbaugh, E. McDow et al. Pulmonary-impedance power spectral analysis a facile means of detecting radiation-induced gastrointestinal distress and performance decrement in man p 238-248 in: Proc. of the Nat Sym on Natural and Man-made Radiation in Space. Las Vegas (E.A. Warman, ed) NASA TM X-2440 (1972)

R6 Rider, W D and R. Hasselback The symptomatic and haematological disturbance following total body radiation of 300-rad gamma-ray irradiation. p. 139-144 in Guidelines to Radiological Health. Environmental Health Series, Radiological Health. No 999-RH-33 US Dept. Health Education and Welfare (1968).

R7 Ross, J.F., F.E Holly and H.A Zarem et al. The 1979 Los Angeles accident· exposure to iridium-192 industrial radiographic source. p. 205-221 in The Medical Basis for Radiation Accident Preparedness (K.F. Hübner and S.A. Fry, eds.). Elsevier, North-Holland Inc., 1980

R9 Roswit, B., S J Malsky and C B Reid Radiation tolerance of the gastrointestinal tract. Front Radiat Oncol. 6 160-181 (1972).

R10 Rothman, S. Physiology and biochemistry of the skin. University of Chicago Press, Chicago, 1954.

R11 Rowley, M.J., D.R Leach, G.A Warner et al. Effect of graded doses of ionizing radiation on the human testis Radiat. Res. 59. 665-678 (1974).

R12 Rubin, P. and G.W. Casarett. Clinical radiation pathology. W.B. Saunders, Philadelphia. 1968

R13 Russell, L B., K.F. Stelzner and W.L Russell Influence of dose-rate on radiation effect on fertility of female mice Proc. Soc. Exp. Biol. & Med. 102. 471-479 (1959).

R15 Rudder, E., W.C. Hall and S O. Brown. Incapacitation of the goat following massive doses of mixed neutron and gamma radiation. Texas Agr. Mech Coll. RTD, TDR 63-3077· 236 (1963) (Quoted in [B16])

R16 Rotstein, S., H. Blomgren, B Petrini et al. Long-term effects on the immune system following local irradiation therapy for breast cancer I cellular composition of the peripheral blood lymphocyte population. Int J. Radiat. Oncol., Biol. Phys. 11. 921-925 (1985)

R17 Roy-Taranger, M., G. Mayaud and S. Davydoff-Alibert. Lymphocytes binuclées dans le sang d'individus irradiés à faible dose. Rev. Fr. Etudes Clin. et Biol. 10: 958-965 (1965).

R18 Rixon, R H. The effects of radiation on the survival in vitro of rat thymocytes of different size. Radiat Res. 32. 42-53 (1967).

R19 Rugh, R. An anomalous lymphocyte. possible diagnostic for exposure to ionizing radiation or radiomimetic agents Am J. Roentgenol Radium Ther. Nucl. Med 91: 192-201 (1964)

R20 Rotblat, J. Acute radiation mortality in a nuclear war. p. 233-250 in: The Medical Implications of Nuclear War. Institute of Medicine. National Academic Press, Washington D.C., 1986.

R21 Rickard, K A., R Brown and H. Kronenberg. Radiation and the human agar colony forming cell. Pathology 6· 169-181 (1974).

R22 Reactor Safety Study an assessment of accident risks in U.S. commercial nuclear power plants. WASH-1400 (1975)

R23 R & D Associates. Collateral damage implications of low radiation dose criteria for Battlefield Nuclear Operations. Unpublished manuscript (1980)

S1 Sanderman, T.F. The effects of X-irradiation on male human fertility Br. J. Radiol 39· 901-907 (1966).

S2 Schofield, R , M V Haigh and E. Paterson. Autologous bone-marrow treatment of lethally-irradiated monkeys. Int J Radiat. Biol. 6. 1-16 (1963)

S3 Schofield, R., E Paterson and M V. Haigh Some aspects of radioprotection of rhesus monkeys against lethal irradiation with autologous marrow. p. 87-96 in. Proceedings of the International Symposium on Bone Marrow Therapy and Chemical Protection in Irradiated Primates. Rijswijk, The Netherlands, 1962.

S4 Schraube, H., L. Koester and A Breit Status report on neutron treatment planning for the RENT-project p. 238 in: Treatment Planning for External Beam Therapy with Neutrons (G. Burger, ed) Supplement to Strahlentherapie, Vol.77, Urban and Schwarzenberg, Munich-Wien-Baltimore, 1981

S5 Shank, B., M. Andreef and D. Li Cell survival kinetics in peripheral blood and bone marrow during total body irradiation for marrow transplantation. Int. J. Radiat. Oncol., Biol. Phys 9· 1613-1623 (1983).

S6 Shipman, T.L A radiation fatality resulting from massive over-exposure to neutrons and gamma rays. p. 113-133 in: Diagnosis and Treatment of Acute Radiation Injury. WHO, Geneva, 1961

S7 Shiraki, H., Y. Uchimura et al Effects of atomic radiation on the brain in man. A study of the brains of forty-nine Hiroshima and Nagasaki casualties. J. Neuropathol. Exp. Neurol. 17. 79-137 (1958)

S8 Silver, S. Radioactive isotopes in medicine and biology. Vol. 2 (2nd edition). Lea & Febiger. Philadelphia, 1962

S9 Sorensen, D.K , V.P. Bond, E.P Cronkite et al An effective therapeutic regimen for the haemopoietic phase of acute radiation syndrome in dogs. Radiat Res 13: 669-685 (1960).

S10 Spiers, F W., A.H. Beddoe, S.D. King et al. The absorbed dose to bone marrow in the treatment of polycythaemia by 32P Br. J. Radiol. 49· 133-140 (1976).

S11 Stone, R.E. Neutron energy and specific ionization. Am J. Roentgenol. 59: 771-785 (1948).

S12 Stone, R.S. and J C. Larkin Treatment of cancer with fast neutrons Radiology 39: 608-620 (1942).

S13 Strauss, J.S. and A.M. Klingman. Effect of X-rays on sebaceous glands of the human face. Radiation

therapy of acne. J. Invest. Dermatol. 33: 347-354 (1959).

S14 Sullivan, M.F., P.S. Ruemmber, J.L. Beamer et al. Acute toxicity of Beta-emitting radionuclides that may be released in a reactor accident and ingested Radiat. Res. 73 21-36 (1978).

S15 Smedal, M.I., D.O Johnston, F.A. Salzman et al Ten year experience with low megavolt electron therapy Am. J. Roentgenol. 88: 215-228 (1962).

S17 Salazar, O.M., P. Rubin, B. Keller et al Systematic (half body) radiation therapy. response and toxicity. Int J. Radiat. Oncol., Biol Phys 4: 937-950 (1978).

S18 Senn, J.S and E A McCulloch Radiation sensitivity of human bone-marrow cells measured by a cell culture method Blood 35: 56-60 (1970).

S19 Shively, J.N., H.L Andrews, H.P. Miller et al. Response of swine to high doses of radiation. Proc. Soc. Exp. Biol. Med. 101: 74-77 (1959).

S20 Smith, K C, G M. Hahn, R T Hoppe et al. Radiosensitivity in vitro of human fibroblasts derived from patients with a severe skin reaction to radiotherapy Int. J. Radiat. Oncol., Biol. Phys. 6. 1573-1575 (1980).

S21 Suvorova, L A., N A. Vyalova, A V Barabanova et al. Post-irradiation restoration of human bone marrow and morphodynamics of the non-differentiated cell pool. Ter Arkhiv: 9: 127-131 (1981)

S22 Sprent, J and R.E. Anderson Radiosensitivity of T and B lymphocytes. II. Effect of irradiation on response of T cells to alloantigens. Eur. J Immunol. 4 199-203 (1974).

S23 Scholman, H.H. and S.O. Schwartz Aplastic anemia secondary to intravenol therapy with radiogold. J. Am. Med. Assoc. 160: 646 (1956).

S24 Smirnova, N P The significance of destruction of central vegetative regulation in the case of damage to the cardio-vascular system under the effects of ionizing radiation. Radiobiologiya 2: 228-233 (1962)

S25 Spangler, G. and B. Cassen. Electrophoretic mobility, size distribution and electron micrograph responses of lymphocytes to radiation. Radiat. Res. 30: 22-37 (1967)

S26 Soupart, P. Free amino acids of blood and urine in the human. p. 220-262 in: Distribution, Formation and Function of Free Amino Acids. Proc. Symposium, Duarte, Cal. Elsevier North Holland Inc., N.Y., 1962.

S27 Saenger, E L., E B. Silberstein, B Aron et al Whole-body and partial body radiotherapy of advanced cancer. Am. J. Roentgenol. 177. 670-685 (1973).

S28 Sagstuen, E., H. Theisen and Henriksen. Dosimetry by ESR spectroscopy following a radiation accident. Health Phys. 45: 961-968 (1983)

S29 Stamm, A., N Willich, E. Stumpf et al. Investigations of serum thymidine concentration as a possible biochemical indicator of radiation exposure. p. 204-210 in: Biological Indicators for Radiation Dose Assessment. (A. Kaul et al., eds.). MMV Medizin Verlag, Munich, 1986.

S30 Spector, B.D., A.H. Filipovitch, G.S Perry et al. Epidemiology of cancer in ataxia-telangiectasia in: Ataxia-telangiectasia: A Cellular and Molecular Link between Cancer, Neuropathology and Immune Deficiency. (B.A. Bridges, D G. Harnden. eds.). John Wiley, Chichester, New York, Brisbane, Toronto, Singapore, 1982.

S31 Seelentag, W. Two cases of tritium fatality. In: Tritium. Proceedings of a Symposium, Las Vegas, 1971. (A. Moghissi and M.W. Carter, eds.). Messenger Graphics, 1971.

S32 Stephens, L C., K.K Ang, T.E. Schullheiss et al. Target cell and mode of radiation injury in rhesus salivary glands. Radiother. Oncol. 7: 165-174 (1986).

S33 Saenger, E.L. (ed.). Medical Aspects of Radiation Accidents. U.S. AEC (1963).

S34 Storb, R. Total-body irradiation and marrow transplantation. Transplant. Proc. 9: 1113-1119 (1977).

S35 Saenger, E.L. et al Radiation effects in man: manifestations and therapeutic efforts. Defense Nuclear Agency Report 2751 (1971).

S36 Saenger, E L et al Metabolic changes in humans following total body irradiation. Defense Atomic Support Agency Report 1633 (1964).

S37 Scott, D. and C.Y. Lyons. Homogeneous sensitivity of human peripheral blood lymphocytes to radiation-induced chromosome damage Nature 278: 756-758 (1979).

S38 Streffer, C. Strahlen-Biochemie. Springer-Verlag, Heidelberg. 969

S39 Streffer, C. Biochemical post-irradiation changes and radiation indicators. A review p 11-32 in Biochemical Indicators of Radiation Injury in Man IAEA, Vienna, 1971

S40 Streffer, C., O. Akinsanya and S. Schafferus. Untersuchungen zur erhöhten Taurinausscheidung nach Bestrahlung bei der Maus Strahlentherapie 138. 733-737 (1969).

S41 Shouse, S S., S L. Warren and G.H. Whipple Aplasia of the marrow and fatal intoxication in dogs produced by Roentgen radiation of all bones J. Exp. Med. 53: 421 (1931).

S42 Swift, M Genetics and epidemiology of ataxia telangiectasia. p 133-146 in: Ataxia-telangiectasia. Genetics, Neuropathology and Immunology of a Degenerative Disease of Childhood. (R A Galti and M Swift, eds.). Kroc Foundation Series Vol 19 Alan Liss, New York, 1985.

S43 Schneider, C and R Montz. Die quantitative Verteilung des erythropoetischen Knochenmarks beim Menschen gemessen mit Radioeisen. Klin Wochenschr. 44. 969-973 (1966).

S45 Shannon, I.L., J N. Trodahl and E N Starcke Radiosensitivity of the human parotid gland Proc Soc. Exp. Biol. Med 157. 50-53 (1978)

S46 Solle, M. Komplexe Untersuchungen von Harn und Plasma bestrahlter Tumorpatienten. p. 265-273 in SAAS-250 (1979)

S47 Stewart, C.C., A P Stephenson and R C. Habbersett The effect of low-dose irradiation on unstimulated and PHA-stimulated human lymphocyte subsets Int. J Radiat Biol 53: 77-87 (1988)

S48 Sheherbora, E N. and G P Gruzder. Determination of the stem cell number by the amount of non-differentiated cell colonies in the bone marrow of irradiated animals. Radiobiologica 22/3: .. (1982).

T1 Taketa, S.T. Water electrolyte and antibiotic therapy against acute (3 to 5 day) intestinal radiation death in the rat. Radiat Res 16: 312-326 (1962).

T2 Taylor, A.M.R. Cellular studies on patients with an unusual clinical sensitivity to ionizing radiation. p. 283-293 in: The Use of Human Cells for the Evaluation of Risk from Physical and Chemical Agents. (A. Castellani, ed.). Plenum Press, 1983.

T3 Taylor, J F., E J Ainsworth, N.P. Page et al Influence of exposure aspect on radiation lethality in sheep. USNRDL-TR-69-15 (1969).

T4 Taylor, A.M.R., D.G. Harnden, C F. Arlett et al Ataxia telangiectasia: A human mutation with abnormal radiation sensitivity. Nature 258: 427-429 (1975).

T5 Thoma, G.E. and N Wald. The diagnosis and management of accidental radiation injury J Occup Med 1: 421-447 (1959).

T6 Thomas, E.D., C D. Buckner, M Banaji et al. One hundred patients with acute leukaemia treated by chemotherapy, total body irradiation and allogenic marrow transplantation. Blood 49 511-533 (1977)

T7 Thomas, P R.M., D Winstanley, M.J. Peckham et al. Reproductive and endocrine function in patients with Hodgkin's disease. Effects of oophoropexy and irradiation. Br. J. Cancer 33: 226-231 (1976).

T8 Till, J.E and E A McCulloch. A direct measurement of the radiation sensitivity of normal bone marrow cells. Radiat. Res. 14: 213-222 (1961).

T9 Trier, J.S., T.H. Browning and P. Foroozan. The effects of X-ray therapy on the morphology of the mucosa of the human small intestine. p. 57-71 in Gastrointestinal Radiation Injury. (M.F. Sullivan, ed.). Excerpta Medica Foundation, 1968.

T10 Tubiana, M. Effects hematologiques d'une irradiation totale ou partielle de l'organisme humain. p. 87-97 in: Effects of Ionizing Radiations on the Haemopoietic Tissue IAEA, Vienna (1967)

T11 Tubiana, M., C.M. Lalanne and J. Surmont. Whole-body irradiation for renal homotransplantation p. 237-263 in: Diagnosis and Treatment of Acute Radiation Injury WHO, Geneva (1961).

T12 Tubiana, M., C.M. Lalanne and J. Surmont. Total body irradiation for organ transplantation. Proc. R Soc Med. 54: 31-38 (1961)

T15 Taketa, S.T., A.L. Carsten, S.H. Cohn et al. Active bone marrow distribution in the monkey. Life Sciences 9: 169-174 (1970)

T16 Tatsumi-Miyajima, I. and S. Okajima. ESR dosimetry using human tooth enamel. p. 397-405 in: ESR Dating and Dosimetry (IONICS). (M. Ikeya and J. Miki, eds.) Tokyo, 1985

T17 Thomas, E.D., C.D. Buckner, R.H. Rudolph et al. Allogeneic marrow grafting for hematologic malignancy using HL-A matched donor-recipient sibling pairs. Blood 38: 267-287 (1971)

T18 Thierry, D., D. Jullien, O. Rigaud et al. Human blood granulocyte macrophage progenitors (GM-CFC) during extended field radiotherapy. Acta Radiol., Oncol. 24: 521-526 (1985)

T19 Thomas, E.D., R. Storb, R.A. Clift et al. Bone marrow transplantation I. N. Engl. J. Med. 292: 832-844 (1975)

T20 Thomas, E.D., R. Storb, R.A. Clift et al. Bone marrow transplantation II. N. Engl. J. Med. 292: 895-903 (1975)

T21 Turesson, I. and G. Notter. Dose-response and dose-latency relationships for human skin after various fractionation schedules. Br. J. Cancer 53, Suppl. VII: 67-72 (1986)

T22 Thompson, R.C. 1976 Hanford americium exposure incident: overview and perspective. Health Phys. 45: 837-845 (1983).

T23 Thoma, G.E. and N. Wald. The acute radiation syndrome in man. in: Epidemiology of Radiation Injury. Postgraduate Course Syllabus. St. Louis University, School of Medicine, 1961

T24 Thames, H.D. and J.H. Hendry. Fractionation in radiotherapy. p. 297. Taylor and Francis, London (1987).

T25 Tamura, H., Y. Sugiyama and T. Sugahara. Changes in the number of circulating lymphocytes with chromosomal aberrations following a single exposure of the pelvis to γ-irradiation in cancer patients. Radiat. Res. 59: 653-657 (1974)

T26 Tsubouchi, S. and T. Matsuzawa. Correlation of cell transit time with survival time in acute intestinal radiation death of germ-free and conventional rodents. Int. J. Radiat. Biol. 24: 389-396 (1973).

T27 Travis, E.L. and S.L. Tucker. The relationship between functional assays of radiation response in the lung and target cell depletion. Br. J. Cancer 53, Suppl. VII: 304-319 (1986).

T28 Trott, K.R. Nuclear power-plant disasters. Health consequences and need for subsequent medical care. Lancet 2: 32-35 (1981)

T29 Tentori, L. and A.M. Salvati. Reference values in haematology. Bull. Mol. Biol. Med. 8: 121-140 (1983)

T30 Tjurina, I.P. and O.I. Semenova. Radiogene Amylasamie beim Menschen. Radiobiol. Radiother. 20: 550-555 (1979)

T31 Tereshchenko, O.Y., M.P. Tarakanova, E.P. Golyshev et al. Zusammenstellung und Einschätzung einiger biochemischer Kernziffern von Blut und Harn als Indikatoren für einen Strahlenschaden des Organismus. p. 9-21 in: SAAS-250 (1979).

T32 Travis, E.L. Relative radiosensitivity of the human lung. In: Relative radiation sensitivities of human organ systems. Adv. Radiat. Biol. 12: 205-238 (1987)

T33 Testa, N.G., J.H. Hendry, G. Molineux. Long-term bone marrow damage in experimental systems and in patients after radiation or chemotherapy. Anticancer Research 5: 101-110 (1985).

U1 United Nations. Report of the United Nations Scientific Committee on the Effects of Atomic Radiation (see specifically Annex D). Official records of the General Assembly, seventeenth session, supplement no. 13 (A/5216). New York, 1962

U2 United Nations. Report of the United Nations Scientific Committee on the Effects of Atomic Radiation. Official records of the General Assembly, twenty-fourth session, supplement no. 13 (A/7613). New York, 1969.

U3 United Nations. Sources and Effects of Ionizing Radiation. United Nations Scientific Committee on the Effects of Atomic Radiation. Report to the General Assembly, with annexes. Vol. I: Levels, Vol. II: Effects. United Nations Publication, Sales No. E.72.IX.17 and 18. New York, 1972

U4 United Nations. Ionizing Radiation: Sources and Biological Effects. United Nations Scientific Committee on the Effects of Atomic Radiation. Report to the General Assembly, with annexes (see specifically, Annex J). (United Nations Publication, Sales No. E.82.IX.8) New York, 1982.

U5 United States Nuclear Regulatory Commission. Health effects model for nuclear power plant accident consequence analysis. Part II: Scientific basis for health effects model. NUREG CR-4214 (1985)

U6 USSR State Committee on the Utilization of Atomic Energy. The accident at the Chernobyl nuclear power plant and its consequences. Information compiled for the Post-Accident Review Meeting, Part II, Annex 7. Vienna, August 1986.

U8 Upton, A.C. Radiation Injury: Effects, Principles and Perspectives. The University of Chicago Press, Chicago, 1969

U9 Upton, A.C. Effects of radiation on man. Ann. Rev. Nucl. Sci. 18: 495-528 (1968).

U10 United Nations. Genetic and Somatic Effects of Ionizing Radiation. United Nations Scientific Committee on the Effects of Atomic Radiation 1986. Report to the General Assembly, with annexes. United Nations Sales Publication No. E.86.IX.9. New York, 1986.

V1 van den Brenk, H.A.S. Radiation effects on the pulmonary system. p. 569-591 in: Pathology of Irradiation. (C.C. Berdjis, ed.) Williams & Wilkins, Baltimore, 1971

V2 van den Brenk, H.A.S., R.C. Kerr, W.R. Richter et al. Enhancement of radiosensitivity of skin of patients by high pressure oxygen. Br. J. Radiol. 38: 857-864 (1965)

V3 van Dyk, J., T.J. Keane, S. Kan et al. Radiation pneumonitis following large single dose irradiation: A re-evaluation based on absolute dose to lung. Int. J. Radiat. Oncol., Biol. Phys. 7: 461-467 (1981).

V4 van Scott, E.J. and R.P. Reinertson. Detection of radiation effects on hair roots of the human scalp. J. Invest. Dermatol. 29: 205-212 (1957).

V6 Vogel, F.S., C.G. Hoak, J.C. Sloper et al. The induction of acute morphological changes in the central nervous system and pituitary body of macaque monkeys by cobalt-60 (gamma) radiation. J. Neuropath. Exp. Neurol. 17: 138-150 (1958)

V8 von Essen, C.F. Radiation tolerance of the skin. Acta Radiol., Oncol., Radiat. Ther., Phys. Biol. 8: 311-330 (1968)

V9 Vriesendorp, H.M., W.M. Klapwijk, P.J. Heidt et al. Factors controlling the engraftment of transplanted

dog bone marrow cells. Tissue Antigens 20: 63-80 (1982).

V10 Vriesendorp, H.M., B. Lowenberg, T P Visser et al. Influence of genetic resistance and silica particles on survival after bone marrow transplantation. Transplant. Proc. 8: 483-489 (1976).

V11 Vriesendorp, H.M. and D.W. van Bekkum Susceptibility to total body irradiation. p 43-57 in. Response of Different Species to Total Body Irradiation. (J.J. Broerse, T.J. MacVittie et al., eds.). Boston, Dordrecht, Lancaster, 1983.

V12 Vorobyev, A.I., M.D. Brilliant, A E. Baranov et al. Two cases of acute severe-degree radiation sickness Ter. Arkhiv: 9. 85-93 (1973).

V13 Vorobyev, A.I., A.E. Baranov, M.D. Brilliant et al On the question of haematological changes induced by acute radiation sickness in man p 3-5 in: Stimulyatsiya i Normalizatsiya Krobetvoreniya pri Luchevoy Bolezni. Vol 121. Trudy Tadzhikskogo Gosudarstvennogo Meditsinskogo Instituta im. Abuali-Ibn-Sine Dushanbe, 1974.

V14 Vorobyev, A I., G.V Chernega, V M Abdullaeva et al The clinical picture of acute radiation sickness following non-uniform gamma-neutron irradiation Sov. Meditsina 3: 128-132 (1976)

V15 Vogel, J.M., H.R. Kimball, S P Wolff et al. Etiocholanolone in the evaluation of marrow reserves in patients receiving cytotoxic agents. Ann. Int Med. 67. 1126-1138 (1967).

V16 van den Brenk, H.A S. The oxygen effect in radiation therapy p. 197-254 in: Current Topics in Radiation Research (5) (M. Ebert and A. Howard, eds). North-Holland, Amsterdam and London, 1969.

V17 Van Dyk, D , H Anger and M. Pollycove. The effect of erythropoietic stimulation on marrow distribution in man, rabbit and rat as shown by Fe-59 and Fe-52. Blood 24. 356-371 (1964)

V18 Vodopick, H. and G A. Andrews. The University of Tennessee comparative animal research laboratory accident in 1971. The Medical Basis for Radiation Accident Preparedness (K.F. Hubner and S A Fry, eds). Elsevier North Holland, New York, 1980

V19 Van der Schueren, E , M. Waer, Y Vanrenterghem et al Clinical application of immunological effects of TLI in Proceedings of the 8th International Congress of Radiation Research, Edinburgh 1987 (in press)

W1 Wakabayashi, K., K. Isurugi, B. Tamaoki et al. Serum levels of lutenising hormone (LH) and follicle-stimulating hormone (FSH) in subjects accidentally exposed to iridium-192 gamma-rays. J. Radiat. Res. 14: 297-303 (1973)

W2 Wald, N Hematological parameters after acute radiation injury. p 253-264 in: Manual on Radiation Haematology IAEA, Vienna, 1971.

W3 Wasserman, J., H. Blomgren, B. Petrini et al. Effect of radiation therapy and in vitro x-ray exposures on lymphocyte subpopulations and their functions. Ann. J. Clin. Oncol. 5: 195-208 (1982).

W4 Weir, G.J. and S.M. Michaelson. Pulmonary Radiation Reactions. C.C. Thomas, Springfield, 1971.

W6 Williams, P C., R.D Hunter and S.M. Jackson. Whole-body electron therapy in mycosis fungoides—a successful translational technique achieved by modification of an established linear accelerator. Br. J Radiol. 52: 302-307 (1979).

W7 Wilson, S.G Radiation-induced gastrointestinal death in the monkey. Am. J. Pathol. 35: 1233-1251 (1959).

W8 Woodard, H.Q. The relation of weight of haemopoietic marrow to body weight. Br. J. Radiol. 57: 903-907 (1984).

W9 Woodward, K.T , G.M. McDonnell, P.S. Harris et al. The response of swine after exposure to the gamma-neutron flux of a nuclear detonation. Am. J. Roentg. 85: 179-185 (1961).

W10 Wiernik G. and D. Perrins. The radiosensitivity of a mesenchymal tissue The pericryptal fibroblast sheath in the human rectal mucosa. Br. J. Radiol. 48 382-389 (1975).

W11 Weichselbaum, R R , J Epstein, J.B. Little et al. In vitro cellular radiosensitivity of human malignant tumours Eur J Cancer 12: 47-51 (1976)

W12 Weichselbaum, R.R., J. Nove and J.B. Little. X-ray sensitivity of fifty-three human diploid fibroblast cell strains from patients with characterized genetic disorders. Cancer Res 40: 920-925 (1980).

W13 Warren, S. and J Z Bowers. The acute radiation syndrome in man. Ann. Int. Med 32: 207-216 (1950).

W14 Whitfield, J F., S. Kellerer, H Brohee et al The feasibility of a new dosimeter for biological dosimetry. EUR-2505 (1965).

W15 Wald, N , S. Pan and E.D Thomas Cytogenic observations in accidental human radiation injury treated by marrow transplantation. Abstracts of the simultaneous sessions, XII Congress, International Society of Hematology, New York, 1968

W17 Wasserman, J. Immunological indicators. p 85-103 in: Biological Indicators for Radiation Dose Assessment (A Kaul et al., eds.) MMV Medizin Verlag, Munich, 1986

W18 Willich, N , A Stamm, and W. Bogl Serum-amylase, a semiquantitative indicator of exposure to ionizing radiation. p 179-181 in: Biological Indicators for Radiation Dose Assessment. (A. Kaul et al., eds.) MMV Medizin Verlag, Munich, 1986.

W19 Wald, N and G E. Thoma. Radiation accidents, medical aspects of neutron and gamma-ray exposures ORNL-2748, Part B (1961).

W20 Wald, N., G E. Thoma and G. Broun Hematologic manifestations of radiation exposure in man Prog Hematol. 3: 1-5 (1962)

W21 Warren, S. The early changes caused by radiation. J Mt Sinai Hospital 19: 443-455 (1952).

W22 Warren, S You, your patient and radioactive fallout. N. Engl. J. Med 266 1123-1125 (1962).

W23 Wakata, A and M.S Sasaki. Measurement of micronuclei by cytokinesis—lock method in cultured chinese hamster cells comparison with types and rates of chromosome aberrations. Mutat Res 190. 51-57 (1987).

W24 Wright, N and M Alison, in The Biology of Epithelial Cell Populations, Vol 2 Clarendon Press, Oxford, 1984.

W25 Wells, J. A guide to the prognosis for survival in mammals following the acute effects of inhaled radioactive particles. J Inst Nucl Eng. 17 126-131 (1976).

W26 Workshop on Low Dose Radiation and the Immune System. Frankfurt, May 1987 (special issue) Int J Radiat Biol. 53 (1): 1-201 (1988).

W27 Wasserman, J., H Blomgren, B Petrini et al. Changes in the blood lymphocyte subpopulations and their functions following I-131 treatment for nodular goiter and P-32 treatment for polycythemia vera. Int. J Radiat. Biol. (in press).

W28 Walker, R.I., D F Gruber, T J MacVittie et al (eds.) The Pathophysiology of Combined Injury and Trauma. University Park Press, Baltimore, 1985.

W29 Walker, R.I. and J.J. Conklin Mechanisms and management of infectious complications of combined injury p. 219-230 in: Military Radiobiology (J.J. Conklin and R.I. Walker, eds.). Academic Press, 1987.

W30 Wu Chu-Tse. Radiation damage of haemopoiesis and effectiveness of fetal liver transfusion in the patients suffering from acute irradiation in: International Conference on the Biological Effects of Ionizing and Non-Ionizing Radiation, Hangzhou, China, 1988. (In press).

Y1 Ye Gen-yao, Liu Yong, Tien Nue et al. The People's Republic of China accident in 1963. p 81-89 in: The Medical Basis for Radiation Accident Preparedness. (K.F. Hübner and S.A. Fry, eds.). Elsevier, North-Holland Inc , 1980.

Y2 Yuhas, J M., T.R Stokes and C C Lushbaugh Multifactorial analysis of human blood cell responses to clinical total-body irradiation p 233-237 in: Proc of Natl. Symp on Natural and Man-Made Radiation in Space. (E A Warman, ed) NASA TM X-2440 (1972).

Y3 Young, R.W. Mechanisms and treatment of radiation-induced nausea and vomiting. in. Mechanisms and Treatment of Emesis (D Graham-Smith et al., eds.). Springer Verlag, Berlin and New York (1985)

Y4 Yang, T C., M R Stampfer and H.S. Smith Response of cultured normal human mammary epithelial cells to x rays Radiat. Res. 96. 476-485 (1983)

Y5 Yamada. T and H Okyama Radiation-induced interphase death of rat thymocytes is internally-programmed apoptosis Int. J. Radiat Biol (in press)

Y6 Yochmowitz, M G. and G.C Brown. Performance in a 12-hour, 300-rad profile. Aviat , Space Environ. Med . 241-247 (1977).

Y7 Young, R.W. Acute radiation syndrome. p. 165-190 in: Military Radiobiology. (J.J. Conklin and R I Walker, eds). Academic Press, 1987.

Z1 Zykova, I.E. Eye damage in full-body non-uniform gamma-neutron irradiation. Voenno-med Zhurnal 2: 34 (1979)

Z2 Zubarev, R.P., E.M Sergeyuk, V N. Zagvozkin et al Pre-operation prophylaxis of surgical infection Khirurgiya 5: 131 (1985).

Z3 Zellmer, R.W Human ability to perform after acute sublethal radiation. Mil. Med. 126: 681-687 (1961)

Z4 Zellmer, R.W. and J.E Pickering Biological effects of nuclear radiation in primates. U S Air Force School of Aviation Medicine, Brooks Air Force Base. TR 60-66, 1960.

Z5 Zharkov, Y.A . T A Federova and L F Mikhailova Excretion of thymidine with the urine of rats after total X-ray irradiation in various doses. Radiobiologiya 5. 675-681 (1965)