

Richard R. Brey, Ph.D., C.H.P. (Revision 25 Aug, 2006)

Department of Physics/Health Physics Program
Idaho State University
Pocatello, ID 83209

Telephone: (208) 282-2667
FAX: (208)-282-4649
Brey@PHYSICS.ISU.EDU

POSITIONS

July 1994-Present	Idaho State University, Professor of Physics <i>Director, Health Physics Program</i> <i>Director, Environmental Assessment Laboratory</i> <i>January 2006 – Named As Radiation Safety Officer on ISU's NRC Broad Scope License 11-27380-01</i>
Jan. 1994 - June 1994	Purdue University School of Health Sciences <i>Teaching Assistant</i>
Aug. 1990 - Dec. 1993	Purdue University <i>DOE Graduate Fellow</i>
May 1991 - Aug. 1991	INEL, EG&G Idaho, Environmental Technology Unit <i>Intern</i>
Aug. 1989 - Aug. 1990	Purdue University School of Health Sciences <i>Teaching Assistant</i>
May 1987 - Aug. 1987	American Electric Power Service Corp., Nuclear Operations, Radiological Support Section, Columbus, OH <i>Intern</i>
July 1983 - July 1986	Indiana & Michigan Electric Company, D.C. Cook Nuclear Power Station, Bridgman, MI <i>Chemistry Radiation Protection Technician</i>

EDUCATION

Ph.D.	1994, Health Physics, Purdue University
M.S.	1990, Health Physics, Purdue University
B.S.	1988, Health Physics/Industrial Hygiene, Purdue University
A.A.S.	1983, Nuclear Power Technology, Terra Technical College

PROFESSIONAL CERTIFICATION

American Board of Health Physics – Certified Health Physicist

FIELDS OF SPECIALIZATION

Expertise in internal dosimetry; recently engaged with United States Transuranium and Uranium Registry on evaluation of historical exposures and redefining transfer coefficients using IMBA and other propriety software
Health Physics fundamentals
Radiation detection instrumentation theory
Radiation dose and dose rate effects on chemical and biological systems
The physics and modeling of hazardous material transport through porous media
ANSI/HPS N13.1-199 compliance

HONORS AND AWARDS

Awards:

Elda E. Anderson Award - A national award bestowed by the Health Physics Society

See: * Health Physics, Vol. 83, No. 6, December 2002, p815.
* The Health Physics Society Newsletter Volume XXX Number 8, August 2002, p 16

Patent pending on irradiation of vegetables for the purpose of preservation

Honor Societies:

Phi Kapa Phi National Honor Society
Eta Sigma Gamma Honor Society
Golden Key National Honor Society

Fellowships and Scholarships:

DOE Environmental Restoration and Waste Management Fellowship
I.N.P.O. Graduate Fellowship & I.N.P.O. Undergraduate Scholarship
Health Physics Society Fellowship
D.C. Cook Scholarship/Internship Award

PROFESSIONAL ASSOCIATIONS

Health Physics Society

Health Physics Society (national) Secretary Elect (2004 - present)

Chair Academic Education Committee (1998 - 2003)

Summer School Committee (2001-2002)

Public Education Committee (1996-1997)

Eastern Idaho Chapter of the Health Physics Society & ISU Student Branch Advisor

Eastern Idaho Chapter of the Health Physics Society (EICHPS)

President (1999 - 2000)

President Elect (1998 - 1999)

Secretary (1996-1997)

American Nuclear Society and Idaho Chapter American Nuclear Society

American Industrial Hygiene Association and Teton Chapter of AIHA

American Conference of Governmental Industrial Hygienists

American Academy of Health Physics

PUBLICATIONS

Book Chapters Published

University Health Physics; Edited by Richard Belanger and Patrick J. Papin
Medical Physics Publishing, 4513 Vernon Boulevard Madison, WI 53705, ISBN 1-930524-15-3
Chapter 5, Pages 141-165 **Accelerators: Operational Safety and Dosimetry**; Richard R. Brey

Advanced Oxidation Technologies Book, PCB Radiolysis in a continuous flow cell. Editor
Hussain El Akabi, of University of Waterloo in Ontario.2. Ruhter, A., Rodriguez, R.G., Mincher,
B.J., Brey, R., (In Press)

Refereed Journal Articles Published

Potato Sprout Inhibition and Tuber Quality After Treatment with High-Energy Ionizing
Radiation, Frazier, Mary Jo, Gale E. Kleinkopf, Richard R. Brey and Nora L. Olsen, **Am J of
Potato Res.** (In Press 2005)

Procedures and Quality Assurance for Calculating Dose Coefficients Using DCAL Software, A.
Arndt, J. Shanahan, C. Gold, R. Brey, T. Gesell, P. Patton, M. Rudin, K. Eckerman, V. Rusetski,
S. Pagava, Submitted to **Health Physics**, 2004

An Intermediate Comparison of Nuclear Decay and Structural Data Utilized in the Calculation
of Dose Coefficients for Radionuclides Produced in a Spallation Neutron Source, J. Shanahan,
K. Eckerman, A. Arndt, C. Campbell, P. Patton, M. Rudin, R. Brey, T. Gesell, S. Trotter, V.
Rusetski, S. Pagava, Submitted to **Health Physics**, 2004

Increasing PCB Radiolysis Rates in Transformer Oil, Bruce J. Mincher, Richard R. Brey, Rene
G. Rodriguez, Scott Pristupa, Aaron Ruhter, **Radiation Physics and Chemistry** 65, 4-5, 461-
465, 2002

A Monte Carlo Investigation of Electron Backscattering, **Radiation Protection Dosimetry**
(2001), C. Frujinoiu and R.R. Brey.

Investigation of Irradiated Soil Byproducts, **Waste Management**, R.R. Brey, R. Rodriguez, J.F.
Harmon, P. Winston, 21 (2001) 581-588

Methods to Simultaneously Improve PCB Radiolysis Rates in Transformer Oil and to Close the
Chlorine Mass Balance, B.J. Mincher, R.C. Curry, R.R. Brey **Environmental Science and
Technology**, Vol. 34, No 16, (2000), pp. 3452-3455

Evaluation and Optimization of a Proportional Counter-based Detector System for Detection of
High Energy Beta Particles with Application to Strontium-90 Surface Contamination, K. T. S.
Islam, R. Brey, T. Gesell, L. Johnson, C. McIsaac **Radiation Protection Management**
May/June 2000 Volume 17, No. 3 , p 23.

Analysis of Ore Samples Employing Photon Activation of the Metastable States of Gold and Silver; A.P. Tonchev, J.F. Harmon, R. Brey, **Nuclear Instrumentation & Methods in Physics Research -Section A 422** (1999) 926-928

Radiocolloids in Leachate from the NRC Field Lysimeter Investigations; R.R. Brey, T. Butikofer, J.W. McConnell, and R.D. Rogers, **Waste Management**, Vol. 18 No. 1 pp 39-53, 1998

An Evaluation of ²²²Rn Concentrations in Idaho Ground Water; L.R. Paulus, T.F. Gesell, R.R. Brey, **Health Physics** Vol. 74 No. 2, February 1998.

Average Beta Energy Estimation, R.R. Brey, G. Gibbons, L. Paulus, K. Claver, P. Jenkins, J. Cassidy, **Radiation Protection Management**, July/August 1998

Characterization of Radioactive Waste N13.50 Standard, J.M. Hylko, B. Bowman, R. R. Brey, R. Landolt, C.D. Massey, J.E. Riley, M.H. Shanks, M.A. Smith, D.P. Taggart, R. Thacker, S. Voris, J.R. Wachter, **Draft ANSI Standard currently under ANSI Review**

Proceedings

Experimental Validation of Push-Pull Tests With First Order Decay R. C. Starr, C. D. Palmer, Paul D. Ritter R. R. Brey. INRA Sub-Surface Science Conference, Boise, ID, October, 2002

Radiation Shielding Considerations for Drinking Water Facilities Using an Irradiation Treatment Process 12 Annual Biennial RPSD Topical Meeting. Sante Fe, New Mexico, April 2002

Irradiation of Microbes from Spent Nuclear Fuel Storage Pool Environments, D.F. Bruhn, C.R. Breckenridge, M.N. Tsang, C.S. Watkins, W.E. Windes, F.F. Roberto, R.N. Wright, P.J. Pinhero, R.R. Brey, **International Conference on Future Nuclear Systems, Global 99, August 29 - September 3, 1999, Snow King Resort, Jackson Hole WY.**

Investigation of Irradiated Soil Byproducts: R.R. Brey, P.L. Winston, R. Rodriguez, **International Conference on Future Nuclear Systems, Global 99, August 29 - September 3, 1999, Snow King Resort, Jackson Hole WY.**

Dose Response for a Model Virus to Accelerator Produced Radiation, K. Marlowe, F.J. Harmon, R.R. Brey, **International Conference on Future Nuclear Systems, Global 99, August 29 - September 3, 1999, Snow King Resort, Jackson Hole WY.**

The Possibility of Photon Activation Analysis of Radionuclides at Environmental-Levels; R. Brey, F. Harmon, D. Wells, A. Tonchev. *Replicate Publication* **ICONE6 Proceedings June 1998**

The Possibility of Photon Activation Analysis of Radionuclides at Environmental-Levels; R. Brey, F. Harmon, D. Wells, A. Tonchev. *Replicate Publication Seventh International Conference on Low Level Measurements of Actinides and Long-Lived Radionuclides in Biological and Environmental Samples September, 1998*

Iodine Neutron Capture Therapy: A New Generation of Radiotherapy for the Thyroid, K.F. Ahmed, A.G. Stephens, R.D. Spall, R.R. Brey, J.S. Bennion, **American Nuclear Society Transactions**, Paper and Presentation, Volume 77, 1997 p45 Albuquerque, New Mexico November 1997

Lysimeter Data as Input to Performance Assessment Models. J.W. McConnell, Jr., R.D. Rogers, T.M. Sullivan, J.D. Jastrow, D.S. Hicks, R.R. Brey. **ASTM Conference Proceedings**, November, 1993.

Application of Lysimeter Data as Input to Performance Assessment Evaluations of Low-Level Waste Disposal Facility; Waste Management '93, in the Proceeding of the Symposium on Waste Management at Tucson, AZ. J.W. McConnell, R.D. Rogers, T.M. Sullivan, J.D. Jastrow, D.S. Hicks, R.R. Brey. Editor: Roy G. Post, Vol. 1, pp 401-408.

Evaluation of EPICOR-II Resin/Linear Lysimeter Investigation Data Using "MIXBATH" a One Dimensional Transport Code; Waste Management '92, in the Proceeding of the Symposium on Waste Management at Tucson, AZ. J.W. McConnell, R.R. Brey, T.M. Sullivan, R.D. Rogers. Editor: Roy G. Post, Vol. 2, pp 1551-1555.

The Migration of Cs-137 Through Three Different Formulations of Compressively Stressed Grout; in the Proceedings of the **Eighth International Congress of the International Radiation Protection Association (IRPA8)** 1992, Vol. 2, pp 1814-1817. R.R. Brey and R.R. Landolt.

Abstracts and Poster Papers

Technical Justification for Using the Presence of Cs-137 Identified in Whole Body Counts as a Flag for Undertaking Invitro Analysis of 90Sr/90Y at the INEL, S. McCord, B. Anderson, P. Ruhter, and R.R. Brey, **Health Physics**, Vol. 89, No. 1, July 2005 S20 Supplement

Investigation of the Response Characteristics of a Portable Monitor, M. Balzer, R.R. Brey, A. Hunt, and T.F. Gesell, **Health Physics**, Vol. 89, No. 1, July 2005 S29 Supplement

High Speed Laser Spectroscopy to Study Radiolytic Byproducts Soon After Generation, R. Ngazimbi, B. Mincher, R. Rodriguez, B.J. Phillips, R.V. Fox, and R.R. Brey, **Health Physics**, Vol. 89, No. 1, July 2005 S30 Supplement

A Case Study on NCRP 147 Implementation, V. Manickam, T.F. Gesell, and R.R. Brey, **Health Physics**, Vol. 89, No. 1, July 2005 S56 Supplement

Developing a New Default Characterization Method for Insitu Gamma-Ray Spectrometry, L. Tkavadze, R. Dunker, R.R. Brey, and T.F. Gesell, **Health Physics**, Vol. 89, No. 1, July 2005 S10 Supplement (POSTER)

Evaluation of Health Physics Instruments Model 2080 Pulse Neutron Survey Meter, Model 6030 Ion Chamber, and Model 1030 Pulse Survey Meter in a Linear Accelerator Produced Neutron Field, E. Anderson, K. Claver, B. Schrader, and R.R. Brey, **Health Physics**, Vol. 89, No. 1, July 2005 S10 Supplement (POSTER)

Investigation of Optimal PCB Radiolysis using Alkaline Isopropanol, A. Arndt, R. Brey, R. Rodriguez, B. Mincher, **Health Physics**, Vol. 86, No. 6, June 2004 S190 Supplement

Spatial Efficiency Plot for a Transportable Portal Monitor, Balzer, M., Dunker, R., Brey, R.R., Gesell, T.F, **Health Physics**, Vol. 86, No. 6, June 2004 S191 Supplement

The Radon Deficit Technique for Evaluating Remediation of NAPL Contaminates in Groundwater, Boyd, W., Brey, R.R., Starr, R., **Health Physics**, Vol. 86, No. 6, June 2004 S212 Supplement

Developing an "In-house" Default Characterization Method For In-Situ Gamma Spectroscopy, Levan Tkavadze, Roy E. Dunker, Richard R. Brey, Thomas Gesell, **Health Physics**, Vol. 86, No. 6, June 2004 S144 Supplement

An Approach to Enhance Health Physics Education in Higher Education, P. Retka, K. Claver, R.R. Brey, **Health Physics**, Vol. 86, No. 6, June 2004 S128 Supplement

Evaluating a Proposed Approach to Teaching Nuclear Instrumentation Laboratories, T. Butler, R.R. Brey, **Health Physics**, Vol. 86, No. 6, June 2004 S193 Supplement

Development of an Apparatus for Determining a Radon Correction Factor for Electret Ion Chambers Sealed in Impermeable Containers, B. Young, R. Dunker, T.F. Gesell, R.R. Brey, **Health Physics**, Vol. 86, No. 6, June 2004 S217 Supplement

A Fricke Dosimetric Technique to Determine G-Values for Accelerator Produced Photons with Energies Between 1 and 30 MeV, J. Macklin, R. Brey, T.F. Gesell, **Health Physics**, Vol. 84, No. 6, June 2003 S192 Supplement

Calculation of Dose Coefficients for Radionuclides Produced in Spallation Neutron Sources, J. Shanahan, A. Arndt, C. Campbell, R. Brey, M. Rudin, M. Patton, **Health Physics**, Vol. 84, No. 6, June 2003 S252 Supplement

Determination of the Photonuclear Cross-Section of I-129 (γ, n) I-128, G. Kharashvili, R.R. Brey, D.P. Wells, J.F. Harmon, T.F. Gesell, **Health Physics**, Vol. 84, No. 6, June 2003 S252 Supplement

The Idaho State University ABET Accreditation Experience, R.R. Brey, **Health Physics**, Vol. 84, No. 6, June 2003 S271 Supplement

Investigation of the Dose Rate Response of the T4 Bacteriophage in Aqueous Suspensions, C. Campbell, R.R. Brey, L. Farrell, **Health Physics**, Vol. 84, No. 6, June 2003 S151 Supplement

Comparisons of ISDMAP Estimates of ^{137}Cs Distributions with the use of In Situ Data from Empirical and Generic Detector Characterizations, L. Tkavadze, R.R. Brey, T.F. Gesell **Health Physics**, Vol. 84, No. 6, June 2003 S158 Supplement

Qualification of Ventilation Exhauster Unit, J.E. Hawk, R.R. Brey, J.L. Alvarez, **Health Physics**, Vol. 84, No. 6, June 2003 S158 Supplement

Evaluation of Single Well Push Pull Tests Using Radiotracer Techniques and a Bench-Top Model Aquifer, W.L. Boyd, R.R. Brey, R. Starr, **Health Physics**, Vol. 84, No. 6, June 2003 S160 Supplement

Investigation of Optimal PCB Radiolysis Using Alkaline Isopropanol, A. Arndt, R.R. Brey, R. Rodriguez, B. Mincher, **Health Physics**, Vol. 84, No. 6, June 2003 S161 Supplement

Dose response of Thermoluminescence in Tooth Enamel, M. Balzer, R. Brey, T.F. Gesell, **Health Physics**, Vol. 84, No. 6, June 2003 S164 Supplement

Examination of HPGe Efficiency for Varying Amounts of Similar Density Material, A. Arndt, R. Brey, **Health Physics**, Vol. 84, No. 6, June 2002 S161 Supplement

Radiation research Opportunities at the Idaho Accelerator Center, D.P. Wells, J.F. Harmon, R. R. Brey, **Health Physics**, Vol. 82, No. 6, June 2002 S115 Supplement

Study of the I-128, (γ, n)I-128 Photonuclear Reaction, G. Kharashvili, R. R. Brey, D. Wells, **Health Physics**, Vol. 82, No. 6, June 2002 S116 Supplement

A Fricke Dosimetric Technique to Calculate G-Values for Accelerator Produced Photons with Energies Between 1-30 MeV, J. Macklin, R. Brey, **Health Physics** Vol. 84, No. 6, June 2002 S116 Supplement

Shielding Analysis at Two Radiation Oncology Sites, N. Gee, R. Brey, M. Davidson, **Health Physics** Vol. 84, No. 6, June 2002 S117 Supplement

A Fricke Dosimetric Technique to Calculate G-Values for Accelerator Produced Photons, J. Macklin, R. Brey, **Health Physics** Vol. 82, No. 6, June 2002 S98 Supplement

Comparison of Desiccant Materials used for Monitoring Atmospheric Tritium Concentrations in a High Tritium Background Environment J. Case, R. Dunker, L. Paulus, R. Brey, Vol. 82 No. 6, June 2002 S98 Supplement

Shielding Analysis at Two Radiation Oncology Sites, N. Gee, R. Brey, M. Davidson, **Health Physics** Vol. 82, No. 6, June 2002 S98 Supplement

Comparison of Desiccant Materials Used for Monitoring Atmospheric Tritium Concentrations in a High Tritium Background Environment, J. Case, R. Dunker, L. Paulus, R.R. Brey, **Health Physics** Vol. 82, No. 6, June 2002 S125 Supplement

Examination of HPGe Efficiency for Varying Amounts of Similar Density Material, A. Arndt, R. Brey, **Health Physics** Vol. 84, No. 6, June 2002 S125 Supplement

Homogeneity and Self-Absorption Considerations for Small Cylinder Geometries Used During Soil Gamma Spectrometric Analysis, **Health Physics**, J. Case, R. Dunker, and R. Brey, Vol. 80, No. 6, June 2001 S98 Supplement

Quality Assurance and Control Procedures for Area Dosimeters Developed for a Shielding Integrity Survey, **Health Physics**, A. Arndt, R. Brey, Vol. 80, No. 6, June 2001 S101 Supplement

An MCNP Examination of Electron Backscattering, **Health Physics**, C. Frujinoiu, R. Brey and T. Gesell, Vol. 80, No. 6, June 2001 S101 Supplement

Calibration of High-Dose LiF Crystal Optical Dosimeters, N. Gee and R. Brey, **Health Physics** Vol. 80, No. 6, June 2001 S102 Supplement

Neutron Spectroscopy by Phantom Flux Depth Measurements for Boron Neutron Capture Therapy. C.J. Watchman, R.R. Brey, T.F. Gesell, and Y. Harker, **Health Physics** Vol. 78, No. 6, June 2000 S95 Supplement

A Review of Cavity Theory and a Proposal for a Microdosimetric Interpretation of TLD's Cavities for the Case of Electronic Fields. C. Frujinoiu, T.F. Gesell, and R.R. Brey, **Health Physics** Vol. 78, No. 6, June 2000 S135 Supplement

Investigation of a Prototype Radiocolloid System, D.K. Garretson, R.R. Brey and T.F. Gesell, **Health Physics** Vol. 78, No. 6, June 2000 S86 Supplement

Use of the ICRP-66 Lung Model to Study the Potential Health Risks Associated with ^{210}Po Effluent at a Southeastern Idaho Elemental Phosphorous Facility, **J.J. Helms, T.F. Gesell and R.R. Brey**, **Health Physics** Vol. 78, No. 6, June 2000 S141 Supplement

Photon Activation Analysis of ^{129}I Iodine, J.C. Seeber, R.R. Brey, J.F. Harmon, and T.F. Gesell, **Health Physics** Vol. 78, No. 6, June 2000 S86 Supplement

Investigation of Possible Correlations Between ^{222}Rn Concentrations and Gas Proportional Counter Background. K. Christensen, S. Thiemann, R.E. Dunker, R.R. Brey, and T.F. Gesell, **Health Physics** Vol. 78, No. 6, June 2000 S95 Supplement

Application of Anti-Coincidence Shielding Using a Low Energy Germanium Detector, J. B. Walker, J.F. Harmon, and R. R. Brey, **Health Physics**, Vol. 76, No. 6, June 1999 supplement

Photon Activation Analysis of Iodine-129, J.C. Seeber, R.R. Brey, J.F. Harmon, and T.F. Gesell, **Health Physics**, Vol. 76, No. 6, June 1999 supplement

Developing a Methodology for Analysis of Sr-90 in Milk Using 3M Empore Rad Discs, K.T. Claver, R.R. Brey, and T.F. Gesell, **Health Physics**, Vol. 76, No. 6, June 1999 supplement

Improving Sampling and Counting Methodologies to Decrease The MDC of Environmental Radiological Air Samples, P.A. Jenkins, T.F. Gesell, R.R. Brey, D.P. Wells, and A..J. Schilk, **Health Physics**, Vol. 76, No. 6, June 1999 supplement

An Investigation of Po-210 Fate and Transport, J.J. Helms, T.F. Gesell, and R.R. Brey, **Health Physics**, Vol. 76, No. 6, June 1999 supplement

Investigation of Radiocolloid Transport Parameters, D. K. Garretson, R. R. Brey, and T.F. Gesell, **Health Physics**, Vol. 76, No. 6, June 1999 supplement

Cavity Effects in the Case of Measurements of Personal Absorbed Dose from Beta Particles using TLDs, C. Frujinou, R. Cummings, T.F. Gesell, and R.R. Brey, **Health Physics**, Vol. 76, No. 6, June 1999 supplement

Comparison of a Mathematical Specific Absorbed Fraction Model for a Pregnant Woman at Three-Months Gestation with Experimental Results, D. L. Georgeson, R. R. Brey, T.F. Gesell, R.D. Spall, and M. Rudin, **Health Physics**, Vol. 76, No. 6, June 1999 supplement

Polyvinyl Alcohol film dyed with Congo Red as a simple dose indicator for use in industrial irradiation facilities. L. G. Backstrom, R. R. Brey, F. J. Harmon, **Health Physics** Vol. 74 sup. No. 6, June 1998. s30 supplement

Developing a Methodology for Strontium-90 Analysis in Milk Using 3M Empore Rad Discs. K.T. Claver, R.R. Brey, T.F. Gesell, R. Rodriguez, **Health Physics** Vol. 74 sup. No. 6, June

1998. s27 supplement

Investigation of Radiation Doses Lethal to Viruses. K.R. Marlow, R.R. Brey, L.D. Farrell, J.F. Harmon, R.D. Spall **Health Physics** Vol. 74 sup. No. 6, June 1998. P-s30 supplement

Average Beta Energy Estimation, G. Gibbons, R.R. Brey, L. Paulus, K. Claver, P. Jenkins, Department of Physics - Health Physics Program, **Health Physics** Vol. 74 sup. No. 6, June 1998. s341 supplement

The Idaho State University Environmental Assessment Laboratory P.A. Jenkins, R.R. Brey, L.R. Paulus, and K.T. Claver **Health Physics** Vol. 74 sup. No. 6, June 1998. s27 supplement

Photon Activation Analysis of Iodine-129, T.D. Henderson, F.J. Harmon, R.R. Brey **Health Physics** Vol. 74 sup. No. 6, June 1998. s41 supplement

Kinetics of the Distribution of I-125 in Bovine Milk during Aging; Nasreen Parvin, R. R. Brey, R. W. McCune and Thomas F. Gesell, **Health Physics**, Supplement to Vol. 72, No.6, June 1997 s29 supplement

Investigation of Radiation Doses Lethal To Viruses Populations; K.R. Marlow, R.R. Brey, L.D. Farrell, J.F. Harmon, R.D. Spall, **Health Physics**, Supplement to Vol. 72, No.6, June 1997 s47 supplement

Iodine Neutron Capture Therapy; K.F. Ahmed; A.G. Stephens, R.D. Spall, R.R. Brey and J.S. Bennion, **Health Physics**, Supplement to Vol. 72, No.6, June 1997 s46 supplement

The Effectiveness of Molecular Sieve Adsorbents in the Collection of Tritium Water Vapor in Air; L.J. Davis, T.F. Gesell and R.R. Brey, **Health Physics**, Supplement to Vol. 72, No.6, June 1997 s30 supplement

Radionuclides in Eggshells From Barn Swallows Nesting Near Radioactive Liquid Waste Leaching Ponds; H.C. Hulse, R. R. Brey, R.G. Mitchell, R.W. Warren and T. F. Gesell, **Health Physics**, Supplement to Vol. 72, No.6, June 1997 s28 supplement

Evaluation of the Alnor RAD-101 Electronic Personal Dosimeter; D. L. Collaer, H. D. Snowder, T. F. Gesell, and R. R. Brey, **Health Physics** Supplement to Vol. 72, No.6, June 1997 s31 supplement

Evaluation of a Low Background Proportional Counter for Detection of High Energy Beta Particles with Application to ⁹⁰Sr Surface Contamination; K.T.S. Islam, L. Johnson, C. McIsaac, R.R. Brey, T.F. Gesell, **Health Physics** Vol. 70 sup. No. 6, June 1996 s17 supplement

The Efficiency Calibration and Development of Correction Factors for an IN-SITU Well Logging System; J.R. Giles, R.R. Brey, T.F. Gesell, **Health Physics** Vol. 70 sup. No. 6, June

1996 s66 supplement

A Field Study Comparing Two Methods of Transportation Risk Assessment; M.F. Harmon, S.G. Oberg, R.R. Brey, **Health Physics** Vol. 70 sup. No. 6, June 1996 p-s9 supplement

Independent Evaluation of the Temperature and Energy Dependence of a Bubble Dosimeter; R.D. Boston, R.R. Brey, T.F. Gesell, **Health Physics** Vol. 70 sup. No. 6, June 1996 s23 supplement

An Evaluation of ²²²Rn Concentrations in Idaho Ground Water; L.R. Paulus, T.F. Gesell, R.R. Brey, D.J. Parlman, **Health Physics** Vol. 70 sup. No. 6, June 1996 s79 supplement

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Field Lysimeter Test Results, Low-Level Waste Data Base Development Program: Test Results for Fiscal Year 1990, 1991, 1992, and 1993; J.W. McConnell, Jr., R.D. Rogers, J.D. Jastrow, D.S. Wickliff-Hicks, W.E. Sanford, R.R. Brey, T.M. Sullivan, R.M. Neilson, Jr., L.D. Hilton, NUREG/CR-6256, INEL-95/0073, Volumes 1 and 2.

Field Lysimeter Investigation; Low-Level Waste Data Base Development Program for fiscal year 1991. J.W. McConnell, R.D. Rogers, J.D. Jastrow, D.S. Wickliff, R.R. Brey. NUREG/CR-5229, EGG-2577 Vol. 4.

Evaluation of EPICOR-II Resin/Liner Lysimeter Investigation Data Using "MIXBATH," a One-Dimensional Transport Code; J.W. McConnell, R.R. Brey, T.M. Sullivan, R.D. Rogers, EGG-M-91452