The 2005 *RSO Magazine* Board of Technical Reviewers

Special thanks to these individuals, who tirelessly review and help to refine the articles published in RSO Magazine.

As Vice President of New Product Development in Canberra's Marketing Department, **Frazier L. Bronson, CHP,** is responsible for development of new products for the measurement of radiation and interpretation of results. These products include whole body and lung counters, waste assay systems, in situ gamma spectroscopy systems, mobile laboratories, and mathematical efficiency calibrations. His educational background is Health Physics (MS) and Nuclear Engineering (BS), but his entire career has been associated with the measurement of radiation for health physics purposes.

Mr. Bronson is comprehensively certified by the ABHP. He was previously Chairman of the American Board of Health Physics, and Past President of the Delaware Valley Society of Radiation Safety and also the Chicago Chapter of the Health Physics Society. For six years, he was the HPS Representative for ANSI N13 (Radiation Protection), and was a member of ANSI N13.30 Working Group (Performance Criteria for Radiobioassay) and now a member of the HPS N42.xx Working Group on In Situ Calibration Performance Testing.

Charles K. Brown is the Emergency Planning Coordinator, Hatch Project, with Southern Nuclear Operating Company at its corporate offices in Birmingham, Alabama. He has been a technical reviewer for *RPM* since its introduction in 1983, and is currently chairman of the American Nuclear Society's Working Group 3.8 (Radiological Emergency Response). Mr. Brown has specialized in reviewing papers on exposure control (ALARA), instrumentation, power reactor health physics and emergency planning.

Wayne E. Farrell is a Health Physicist with Westinghouse Savannah River Company. He holds an MS degree in Radiological Health from the University of Michigan, is a certified Health Physicist and a Certified Industrial Hygienist. Mr. Farrell has been a technical reviewer since 1987, and has written several articles for *RP*M. His reviews have included a broad scope of topics in the field of reactor and applied health physics.

Rahim Ghanooni is a Senior Health Physicist at HPCI Consulting, assisting various facilities for decommissioning and remediation. He has a BS degree in Physics from Northeastern University in Boston. Mr. Ghanooni has been a technical reviewer since 1989, and has written several articles for *RP*M. He is a Certified Hazardous Material Manager (CHMM), and specializes in decommissioning/remediation, dry cask design, shielding , characterization, internal/external dosimetry, mixed/hazardous waste, and instrumentation. He is currently a member of the ANSI N-48 Committee (Radioactive Waste Management).

Dr. Virendra P. Gupta is a Manager with SSOC Rocky Flats Environmental Technology Site, providing technical support in the site closure work integration projects and radiation safety programs. He holds a PhD degree in Experimental Particle Physics from the University of California. He has been active in writing ANSI standards in Radiation Protection, and is currently a member of three working groups. He was a judge for the 1994 R&D 100 Program. He was selected in the first teams of assessors in the National Voluntary Laboratory Accreditation Program (NVLAP) in Personnel Dosimetry and in Ionizing Radiation Calibration Program. Dr. Gupta has been a technical reviewer and contributing author for *RPM* since its introduction; he has evaluated papers on external and internal dosimetry, instrumentation, calibration, and radiological surveillance.

Mark M. Hart, PE, is a project leader in the Defense Technologies Engineering Division of the Lawrence Livermore National Laboratory, Livermore, California. Mr. Hart holds an MS degree in Electrical Engineering and BS degree in Physics from Washington University, St. Louis, an MBA from Southern Illinois University, Edwardsville, and a BS degree in Chemical Engineering from Carnegie-Mellon University, Pittsburgh. Mr. Hart has over three years experience in plutonium foundry operations and regularly addresses public, educational, and professional groups in explaining the subjects of radiation and radioactivity. He retains an extensive collection of radioactive antiques, consumer items, minerals, and fossils that are used in his lectures and explanations.

James M. Hylko is a waste operations manager for Roy F. Weston, Inc., and is recognized by the American Society for Quality as a Certified Quality Auditor (CQA #15688). Mr. Hylko possesses over 11 years of experience encompassing commercial power and Department of Energy operations, specifically computer modeling (e.g., CAP88-PC/NESHAPs, MICROSHIELD, RESRAD), environmental remediation, configuration management, health and safety (29 CFR 1910.120, Levels B, C, and D), operational health physics, project management and proposal preparation, QA/QC audit assessments (e.g., 10 CFR 830.120, NQA-1), radioactive and mixed waste management, respiratory protection (29 CFR 1910.134), contributing to environmental (e.g., EISs), safety (e.g., SARs), and Waste Isolation Pilot Plant quality documents (e.g., QAPjPs, TRAMPAC), and transportation of mixed waste. Mr. Hylko has 116 publications consisting of peer-reviewed articles, conference proceedings, refereed abstracts, book reviews, trade journal and newsletter articles, and internal reports. Also, Mr. Hylko has either presented or been associated with 57 conference presentations, has 9 invited presentations, and has either chaired or co-chaired 7 sessions at national and international conferences. Furthermore, he has previously served as an adjunct instructor for the Department of Chemical and Nuclear Engineering at The University of New Mexico, and participated as an instructor in 19 workshops. Mr. Hylko serves as a contributing editor for *Power* magazine, *Radiation Protection Management* and *RSO Magazin*e, a peer reviewer for *Nuclear Technolog*y, a book reviewer for *Science Books & Films (SB&F*), and a free-lance writer for MichiganHockey.net (The University of Michigan Hockey Team) web page. Mr. Hylko is listed in *Who's Who in The West, Who's Who in The World,* and *Who's Who in Science and Engineering,* and received his Master of Public Health (MPH) degree in Health Physics from The University of Michigan School of Public Health in 1986.

Raymond H. Johnson, Jr., MS, PE, FHPS, CHP, is the Director of the Radiation Safety Academy with a faculty of PhDs and CHPs who provide radiation safety, risk communication, and nuclear terrorism consulting and training to industry, university, government, research, and professional organizations. Ray has managed a contract for radiation safety services at the National Institutes of Health since 1988. This includes about 9000 audits of research laboratories and calibration of 2500 meters a year, along with environmental monitoring, hot lab and analytical lab operations, and cyclotron inspections. Ray served as President of Key Technology, Inc. a manufacturer and primary laboratory for radon analysis with over 1,500,000 measurements since 1985. He also served as Laboratory Director for RSO, Inc. from 1986-1988. From 1970 to 1985, Ray was Chief of the Radiation Surveillance Branch, EPA, Office of Radiation Programs. He directed studies of the radiological quality of the U.S. environment, coordinated 7 Federal Agencies for nuclear fallout events, QA Officer for 8 years, ANSI N-13 (1975-1985), and head of several U.S. delegations to I.A.E.A and N.E.A. on radioactive waste disposal,. Ray retired as a Public Health Service Commissioned Officer (O-6) with 29 years of service in 1985.

Ray served as President of the Health Physics Society (HPS) in 2000 after serving as Treasurer and Secretary since 1993. He also served as President of the HPS Radon Section in 1995. He was the founder and first Secretary of the HPS RSO Section. He was President of the Baltimore- Washington Chapter of the HPS in 1990-1991 and edited that Chapter's Newsletter from 1983- 1998 and 2001 -2005. He previously was active with the New England Chapter HPS where he served on the Board of Directors and also edited the newsletter from 1968-1972. Ray served from 1995-1998 as President of the American Association of Radon Scientists and Technologists. In 1997 he founded and served as first President of the National Radon Safety Board. Ray was certified by the American Board of Health Physics in 1983 and became a licensed Professional Engineer in 1965. Ray has authored over 500 books, book chapters, articles, professional papers, and presentations on radiation safety and risk communications.

Andrew Karam is the RSO at the University of Rochester. Previous experience includes 8 years as an ELT in the Naval Nuclear Power Program, working with contaminated and DOE sites with the Ohio Department of Health, project management with an environmental consulting firm, LLRW and other duties with the Ohio State University, and private practice consulting. He is a member of the Panel of Examiners for Part II of the CHP exam and is President-Elect of the Western NY Chapter of the HPS. Andrew also edits the electronic newsletter of the HPS Medical Section and manages a list server for academic and medical RSOs worldwide. Andrew has a Master's Degree in Geology from the Ohio State University and is currently working on his PhD in which he is investigating changes in the terrestrial back-ground radiation field for the past four billion years. He has a wife, Kathy, sons Alexander and Benjamin, and too many cats.

Jeffrey L. Kotsch is the Principal Health Physicist in the Nuclear Litigation Group of SCIENTECH, Inc. (Washington, DC). He received his MS degree in Radiation Health from the University of Pittsburgh and is certified (comprehensive) by the American Board of Health Physics. He has over 21 years of radiation protection experience gained while working for the NRC, a commercial nuclear utility, and performing consulting work for the DOE, NRC, commercial nuclear utilities, European Bank for Recovery and Development, and law firms. He has been a reviewer for *Radiation Protection Management* since 1991 and *RSO Magazine* from its inception.

Dr. Gary H. Kramer is the head of Health Canada's Human Monitoring Laboratory, which also operates the Canadian National Calibration Reference Center for In Vivo Monitoring. He graduated from the University of Sussex (UK) in 1968 and again in 1971 (BSc and PhD). His original career aspiration was to secure a post in a university and do teaching and basic research into reaction mechanisms of inorganic and organometallic compounds. He attempted to follow this path by doing postdoctoral fellowships around the world, starting in Calgary, Canada; however, he never left the country. After five years, a post in a university seemed impossible to obtain, so he switched fields and started working for Atomic Energy of Canada Limited as a radiochemist. During his eight years at Chalk River Nuclear Laboratories, his area of expertise broadened until it encompassed In Vivo Monitoring in addition to wet chemistry separations methods and managing the Bioassay Laboratory. In 1985, he joined Health Canada is his present position. Whole body counting has taken him above the Arctic Circle (in winter) and to Israel. On the latter venture, which measured 1,250 persons in three weeks of counting, he met his wife who, at the time, spoke Russian, Hebrew, and a smattering of English.

Michael W. Lantz is the Senior Health Physicist at the Palo Verde Nuclear Generating Station. He received his MS degree in Radiological Health Physics from San Diego State University, and is ABHP-certified. He has over 25 years' experience in personnel dosimetry and was a Technical Expert for the National Voluntary Laboratory Accreditation Program (NVLAP) for dosimetry processors. Mr. Lantz has authored or co-authored many reports, and received three Editor's Awards for Excellence, along with the Maestro Award, for his contributions to *Radiation Protection Managemen*t. He has been a technical reviewer for both *RPM* and *RSO Magazine* since 1996.

Besides being a regular contributor for *RSO Magazin*e, **René Michel** is also a Contributing Editor. René is a prolific writer in radiation protection; he has written more than 30 peer-reviewed papers for publication and presentation in technical conferences on topics including: personnel dosimetry, radiation safety training, compliance inspections, operational audits, medical physics and laser safety. René is a very progressive and highly motivated health physicist with nine years of experience in the areas of ionizing and non-ionizing radiation protection. His current employer is the Radiation Safety Office at the University of California, San Diego (UCSD). UCSD is a very large and prestigious research-based university located in San Diego, California. René is currently involved in a wide variety of activities such as training personnel, performing laboratory audits, overseeing medical health physics operations and writing technical reports. From time to time, René provides consultation services to the private industry, especially to those involved with industrial applications of radioactive materials. René earned his BS in Physics from Cal Poly University and his MS in Radiological Health Physics from San Diego State University.

Patricia A. Milligan is a health physicist working in Washington, DC. She holds a pharmacy degree from Drake University, a nuclear pharmacy certification from Mercer Southern School of Pharmacy, and is certified (comprehensive) by the American Board of Health Physics. She is a reviewer in a broad scope of topics, including medical and power reactor health physics, computer applications, training and instrumentation.

Sandy Perle has been a health physicist for 29 years, has an MS in radiological physics, and is currently the Technical Director for Global Dosimetry Systems, Inc., responsible for the TLD, Film, CR39 and all associated technical programs. He has been an NVLAP technical expert since 1993, performing on-site dosimetry assessments. Prior to joining ICN in September 1996, he had supervised the Florida Power and Light Company's corporate dosimetry program for 22 years. In addition to his dosimetry responsibilities, he was also accountable for the health physics information management systems, corporate ALARA programs, technical expert on risks associated with accident releases of radioactive materials to the environment (media briefings) and health physics quality assurance activities. From January 1987 to December 1989, he coordinated the development of the FPL Nuclear Division's Total Quality Management System, which was

instrumental in the awarding of the Japanese Union of Scientists and Engineers' Deming Award to Florida Power and Light Company in November 1989, the first overseas organization ever to be awarded the Deming. He has completed Statistical Quality Control Application Expert training under the direction of the Japanese Union of Scientists and Engineers, Root Cause Analysis and Quality Functional Deployment training.

Dr. Rodican P. Reed is a senior health physicist working for the Federal government in Chattanooga, Tennessee. He has over 22 years of radiation protection experience. Until December, 1992, he worked for TVA, where he spent 13 years in the corporate Radiological Control Group, and two years as Radiation Protection Group Manager at Sequoyah Nuclear Plant. Dr. Reed holds a PhD in Health Physics from Georgia Tech, and has taught mathematics at Georgia State University. Dr. Reed is also a certified health physicist. He is a member of the Health Physics Society and the Society of the Sigma Xi. From 1986-1990, he was an Associate Editor of the Health Physics *Journa*l. Dr. Reed has specialized in implementation issues for the new 10 CFR Part 20, risk assessment, biological effects of radiation, and technologically enhanced natural radioactivity.

Willie Regits is the Radiation Safety Officer for the University of Maryland, Baltimore. He holds a BS in Physics, an MS in Radiological Health Physics, and PhD in Nuclear Engineering and Health Physics, and is a member of the Health Physics Society, the American Nuclear Society, Sigma Xi, and the IEEE. Dr. Regits specializes in reviewing articles on instrumentation, research, training, and academic/hospital radiation safety and computer systems. This is his second year as a technical reviewer for *RSO Magazin*e.

Michael T. Rossler is Manager, Environmental Programs, for Edison Electric Institute in Washington, DC. Mr. Rossler served as lead engineering lab technician in the US Navy, and was a health physics technician at Dairyland Power Cooperative and Union Electric's Callaway plant. While at Callaway, he co-developed Advanced Radworker Training Courses. He holds a BS in Radiation Protection, and an MS in Environmental Sciences and Policy, and has been a reviewer of *Radiation Protection Management* articles for over eight years. Mr. Rossler is a member of the Health Physics Society, Society for Risk Analysis, and is a Registered Radiation Protection Technologist (NRRPT).

John Russell is a Senior Staff Engineer with Public Service Electric and Gas. He has an MBA from Rutgers University, and passed the NRRPT, and Part 1 of the American Board of Health Physics certification exam. This is his ninth year as a technical reviewer for *RP*M, and his third year for *RSO Magazin*e. His specialty areas are radioactive waste and computer applications.

Dr. Dale L. Swindle is the Plant Manager at Entergy Corporation's Nelson Plant. He also serves as Adjunct Professor, and RSO for McNeese State University in Lake Charles, Louisiana. He holds a PhD degree in Nuclear Chemistry from the University of Arkansas and is certified (comprehensive) by the American Board of Health Physics. Dr. Swindle has been a reviewer for *Radiation Protection Management* for eight years, in addition to reviewing articles for *RSO Magazin*e, specializing in radiochemistry, environmental monitoring, instrumentation, and emergency planning.

William H. Thomson is the Manager, Radiation Protection and Chemistry for Rochester Gas & Electric's R.E. Ginna Nuclear Station. He holds a BS in Nuclear Technology from the University of the State of New York, is certified (power reactor) by the American Board of Health Physics, and is a registered Radiation Protection Technologist by the NRRPT. He has been a reviewer for the past ten years on a broad scope of topics in the field of power reactor health physics.

Richard V. Warnock retired as Project Manager for Health Physics at Southern California Edison's San Onofre Nuclear Generating Station. He holds an MS degree in Nuclear Chemistry from San Diego State University and is certified by the American Board of Health Physics. Mr. Warnock has been a technical reviewer and contributing author for both *Radiation Protection Management* and *RSO Magazine* since they were introduced. Mr. Warnock reviews papers on a wide variety of topics in the field of power reactor health physics.

Career Opportunities

Health Physics Supervisors
FPL Group, Turkey Point - FL - US Region II (South East)

Our nuclear plant in Turkey Point, Florida, is a two-unit 1,386-megawatt plant and a pressurized water reactor located 25 miles south of Miami.

We have immediate needs for Health Physics Supervisors, with overall responsibilities to include operations, instrumentation/technical services or ALARA.

Health Physicist
Oak Ridge Plant Facilities - TN - US Region II (South East)

Extensive knowledge of health physics and radiation monitoring procedures, internal dose rate calculations and equipment required. Must be familiar with devices, instruments and practices used to monitor gamma, beta and neutron exposures; and exposures to internal radionuclides. Must have experience in recognition and evaluation of records that either directly or indirectly may be used to retrospectively reconstruct occupational radiation doses and internal dose rating. Must have experience in conducting dose reconstructions and documenting the results in detailed report form. Experience working at DOE facilities or nuclear sites required. Knowledge and experience with Special Exposure Cohort petitions preferred. Must possess excellent communication (written and oral), interpersonal, project planning, training development and delivery, and problem-solving skills. Certification in comprehensive practice by the American Board of Health Physics as a Certified Health Physicist (CHP) preferred.

For more information on these job opportunities, go to http://www.nukeworker.com/job/
Select the Job Category of Safety & Health.

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