

scientific reviewer for the US Fish and Wildlife Service Revised Proposal for Critical Habitat for Forty-Seven Plant Species on the Island of Hawaii and served on the scientific review panel for Forest Service Species Viability Assessment Processes at the National Center for Ecological Analysis and Synthesis, University of California, Santa Barbara. In September 2003, she was an invited participant for the Pellston Workshop on Population-Level Ecological Risk Assessment (focus on chemical contaminants), sponsored by the Society for Environmental Toxicology and Chemistry, held in Roskilde, Denmark.

5. *Nominee.* Scott, Geoffrey I., Ph.D., Acting Director, Charleston Center for Coastal Environmental Health and Biomolecular Research (CCEHBR), National Ocean Services, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, Charleston, SC.

i. *Expertise.* Aquatic and marine toxicology, ecological assessments of the impacts of agricultural runoff, oil spills, pesticides, bacterial contamination, and water chlorination.

ii. *Education.* B.S., Biology, Wofford College; M.S. and Ph.D., Marine Science, University of South Carolina.

iii. *Professional experience.* Dr. Scott's research experience includes working as an Aquatic Toxicologist for the EPA, where he helped develop a suite of rapid assessment indices for assessing ecological damages from oil spills. He has served as a tenured Associate Professor in the School of Public Health at the University of South Carolina (USC) where he received the 1989 Outstanding Young Researcher Award in Public Health. While at USC, most of Dr. Scott's research focused on the impacts of agricultural pesticide non-point source runoff on estuarine ecosystems. Dr. Scott served as Chief of the Marine Ecotoxicology Branch at NOAA CCEHBR from 1993 to 2001. He has collaborated with peers in his discipline to write both the conceptual framework for the Urbanization in the Southeast Estuarine Systems (USES) study, and the conceptual framework for the Land Use Coastal Environmental Study (LUCES). Dr. Scott was appointed by the NOAA Administrator to represent NOAA in a Federal agency task force on endocrine disruptors, culminating in the Raleigh Workshop, where he co-chaired the sessions on neuro-endocrine effects. Dr. Scott has served on numerous government and industry advisory panels, including the EPA advisory board on endocrine disrupting chemicals; EPA's Food Quality Protection Act Science Review

Board; the EPA Environmental Technology Verification Program, Water Stakeholder Committee; the South Carolina Coastal Pesticide Advisory Committee; the United Nations Gulf of Guinea Large Marine Ecosystem Team; and the Research Delegation Exchange with the Black Sea Research Institute. Dr. Scott has served as a board member, Vice President, and President of the Carolina Chapter of the Society of Environmental Toxicology and Chemistry. Dr. Scott is also an Associate Professor in the Medical University of South Carolina, the University of Charleston, and an Adjunct Associate Professor in the Institute of Human and Environmental Health, Texas Tech University.

*B. Nominations for the Field of Human Health Risk Assessment Methodology and Uncertainty Analysis*

1. *Nominee.* Anderson, Elizabeth L., Ph.D., President and Chief Executive Officer, Sciences International, Inc., Alexandria, VA.

i. *Expertise.* Risk assessment and carcinogenicity.

ii. *Education.* B.S., Chemistry, College of William and Mary; M.S., Organic Chemistry, University of Virginia; Ph.D., Organic Chemistry, American University.

iii. *Professional experience.* Dr. Anderson regularly participates in and directs an interdisciplinary group of scientists and engineers specializing in risk assessment. She has over 20 years of experience working in the field of risk assessment and is currently the Editor-in-Chief of *Risk Analysis: An International Journal*. Previously, while employed by the EPA, Dr. Anderson founded the Agency's central risk assessment program, and directed it for 10 years. In this capacity, she served as the Executive Director of the EPA committee that initially adopted risk assessment as the basis for implementing the Agency's regulatory mandates. She also founded EPA's Carcinogen Assessment Group and the Office of Health and Environmental Assessment. Dr. Anderson received the EPA Gold Medal for exceptional service. She has participated in numerous risk-related panels and committees including those for inter-agency risk assessment initiatives, the National Academy of Sciences, and the National Cancer Institute. Dr. Anderson has worked extensively on international risk assessment issues to address human health and ecological consequences of exposure to environmental toxicants for organizations that include the World Health Organization and the Pan American Health Organization. She was

President, Chief Executive Officer, and Chairman of the Board of Clement International Corporation and on the Board of Directors of ICF-Kaiser International. Dr. Anderson is a co-founder and past-President of the Society for Risk Analysis. She has participated in numerous national and international commissions and organizations concerned with risk based issues, and has lectured and published widely in the field of risk assessment.

2. *Nominee.* Crawford-Brown, Douglas, Ph.D., Professor, Departments of Environmental Sciences and Engineering and in Public Policy Analysis; also on the Resource Faculty of the Department of Philosophy; Chairman, Environmental Sciences and Studies Undergraduate Program; and Director, Carolina Environmental Program, University of North Carolina, Chapel Hill, NC.

i. *Expertise.* Environmental modeling, exposure assessment, risk assessment, and the application of scientific models in the assessment and selection of environmental policies.

ii. *Education.* B.S., M.S., and Ph.D., Physics and Nuclear Science, Georgia Institute of Technology.

iii. *Professional experience.* Dr. Crawford-Brown's teaching and research are in the areas of environmental modeling, exposure assessment, risk assessment, and the application of scientific models in the assessment and selection of environmental policies. His current research focuses on risk assessment in support of policy in water and air; on development of biomathematical models of human health risk following exposure to radionuclides, chemicals, and microbes; on dose reconstruction methodologies; and on the development of decision support systems to analyze risks from environmental contaminants. He has worked extensively in the field of exposure and dose assessment in support of epidemiological studies, with a primary focus on exposure to radionuclides and radiation. Dr. Crawford-Brown has written over 120 journal articles in his discipline, and has authored a series of books on environmental risk assessment: *Theoretical and Mathematical Foundations of Human Health Risk Analysis* (1997), *Risk-Based Environmental Decisions: Methods and Culture* (1999), and *Mathematical Methods of Environmental Risk Modeling* (2001). Dr. Crawford-Brown has served on a number of federal advisory committees for EPA, and currently serves as a Technical Advisor for the American Waterworks Association in the areas of risk and