

W. GALE BIGGS

EDUCATION

Kansas State University: B.S., Mathematics & Physics, 1959
University of Michigan: M.S., Meteorology, 1960
University of Michigan: Ph.D., Meteorology, 1966

WORK SUMMARY

Dr. Biggs possesses an outstanding track record for the management and performance of large, multidisciplinary environmental projects. His extensive experience in environmental sciences spans a period of 45 years during which he has led numerous projects involving the evaluation of proposed sites and operations for fossil fuel, nuclear, and natural resource facilities. He has assisted in projects at the Federal, state, and local level in over ninety percent of the states in the United States. Dr. Biggs' primary technical activities include research on air quality, meteorology, heat flux near the surface of the earth, and resource development engineering. He has successfully applied his talents to the evaluation of reservoirs, pipelines, off shore platforms, hazardous waste sites, high level nuclear waste facilities, railroads, airports, municipal air quality problems, power plants, refineries, port facilities, mines, and fossil fuel operations. He has directed numerous environmental projects including the drafting of environmental regulations for the proposed Canadian Mines Branch Open Pit Design Manual. In response to the House Interior and Insular Affairs Committee, he was in charge of coordinating several consulting groups to address the combined impacts on air quality from several major electric power plants in the southwestern United States. Dr. Biggs participated in a study to assess the environmental impacts for potential development of a large (multi-gigawatt) nuclear power complex in Utah.

Dr. Biggs has provided expert testimony before various regulatory agencies and courts of law in Colorado, North Dakota, Arizona, Wyoming, Texas, Pennsylvania, Virginia, New Mexico, Nevada, Utah, and Washington, D.C. In addition, he has prepared testimony for presentation to various Federal agencies including the Environmental Protection Agency, Federal Power Commission, Nuclear Regulatory Commission, Department of Energy, and the Department of the Interior. Dr. Biggs has experience with Canadian environmental matters and has had practical experience in the

Arctic where he spent a winter. He is also assisting the United Nations on energy development activities and providing guidance on the overall environmental considerations for a potential oil shale/coal gasification program in Yugoslavia. Dr. Biggs also assisted in the funding arrangements for the Yugoslav project; the project is currently on hold.