Editorial

It has been reported and is widely known that the United States White House has altered reports from the NASA, the EPA, and the FDA in order to further its political objectives or to deter needed policies and procedures. Only scientists and engineers can speak out against this perversion of the truth. It is also known that governments and other organizations around the world have from time to time altered scientific reports and findings for political, cultural, and religious purposes. Therefore, we agree with the need for a Bill of Rights for Scientists and Engineers, which was prepared by William Hendee, Ph.D., Chair of the Publications Committee, the International Organization of Medical Physics (IOMP). The editorial published in Medical Physics is reproduced below with permission of the publisher. The Publications Committee is composed of the editors of all of the world's medical physics journals that we know about.

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EDITORIAL from Medical Physics, volume 35, August issue, page 3820, 2008: A Statement of the Rights of Scientists and Engineers

Several months ago the President of the IOMP asked me to write a Bill of Rights for Scientists and Engineers. His request, subsequently endorsed by the IOMP Council, reflected concerns about the intrusion of political, cultural, and religious pressures upon the research of scientists and engineers, and upon the dissemination of the results of research to governmental policy makers and to the public at large. The Bill of Rights reproduced below responds to the IOMP President's request, and has been approved by the IOMP Council and the Administrative Committee of the International Federation of Medical and Biological Engineering. It will ultimately be submitted to the International Union for Physical and Engineering Sciences in Medicine and the International Council for Science.

Bill of rights for scientists and engineers

Preamble

A scientist or engineer (S/E) uses understanding, insight and ingenuity to discover new knowledge and to create new technologies that benefit individuals and societies. In pursuing these goals, a S/E must be free to theorize and experiment unimpeded by political pressures, religious dogma or fear of reprisal. Preservation of this freedom is the purpose of the Bill of Rights for Scientists and Engineers. The Bill of Rights is consistent with the Statement on the Universality of Science of the International Council for Science (ICSU).

Articles

- (1) A S/E is an individual who uses a scientific approach in the pursuit of new knowledge and technologies. A S/E is not required to possess any specific credential such as an academic degree, appointment in an institution, funding by an agency, or membership in an organization.
- (2) Science and engineering may be practiced in any location; they are not confined to academic institutions, government facilities, or industrial settings. An individual using a scientific approach in a home laboratory is pursuing science or engineering just as is a S/E employed by an institution, industry or government agency. No prejudice towards the work of a S/E shall be exercised based on an individual's affiliation or lack thereof with a particular institution, organization or agency.
- (3) A S/E shall not be dissuaded from pursuing scientific inquiry because of political or religious concerns, or because the inquiry deviates from a conventional perspective.
- (4) A S/E shall be able to use any approach to new knowledge and technologies, limited only by the restrictions that the approach follows sound scientific principles and does not violate societal ethical precepts.
- (5) A S/E shall be free to collaborate with other individuals in the same or other locations, with the understanding that collaboration may require covenants protecting confidentiality and intellectual property.
- (6) A S/E shall not be subject to restraints in the presentation and publication of results that are imposed by political or religious entities or because the findings conflict with traditional knowledge. Scientific and engineering results should always be evaluated on their merits and not because of preconceived notions of "truth".
- (7) A S/E shall decide who should coauthor scientific publications based on well-established guidelines for co-authorship. Courtesy authorship to senior personnel in a S/E's laboratory or institution is unacceptable.
- (8) A S/E shall strive to ensure that scientific results are widely accessible to the scientific community.
- (9) A S/E should object to misuse of research findings for political, ideological or financial purposes.
- (10) At all times a S/E shall adhere to universal ethical and moral standards.

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