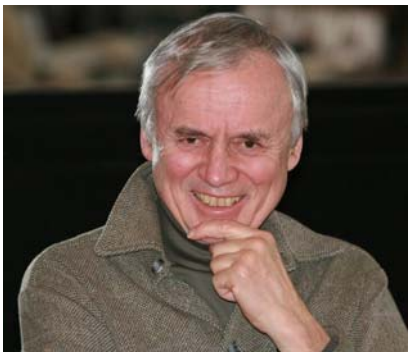
A biographical sketch of Bill Dove for the HG Khorana Symposium 2009



Bill Dove was born in Maine. There he spent his first decade exploring the vast forest that surrounded his home. Only after his family moved to the Chicago suburb of Oak Park did he transition to academic learning through a series of excellent schools and Amherst College. In the end, Bill acquired rigorous, quantitative training in scientific research as a doctoral student in chemistry at Caltech. This last step makes him an academic cousin of the Symposium speakers Peter Dervan, Lee Hood, Wayne Hubbell, Phil Sharp, and George Whitesides.

Genetic analysis became the companion to chemistry in Bill's approach to biology during his two postdoctoral years at MRC-Cambridge and Stanford. This transition accompanied meeting his wife Alexandra Shedlovsky in Cambridge. Alexandra has become his lifelong companion in research and family life.

Bill joined the faculty of the McArdle Laboratory for Cancer Research at Wisconsin in 1965. The five successive decades have witnessed dramatic changes in each of the conjoined sibling disciplines of chemistry and genetics. The broad array of colleges, centers, and departments assembled on the UW-Madison campus has provided support for Bill and his lab colleagues to evolve in the study of controlled biological replication from bacteriophage lambda to the protist *Physarum polycephalum* to the mouse and rat and, now, to human colon cancer. Investigating the biology of human cancer has moved from the Significance section of Bill's grant proposals to the Experimental Design section. Details of the research in Bill's laboratory can be gleaned from the lab website: http://mcardle.oncology.wisc.edu/dove/. Bill's path through science is a modest replica of Gobind Khorana's remarkable path, so richly recognized in this Symposium. Gobind's path, of course, has involved a series of universities.

Bill organizes his professional activities around the principle that scientific research is importantly a matter of "We" as much as "I". Though creativity starts as an individual activity, our knowledge progresses by the interweaving of these creative strands. The research contributions from his laboratory have arisen from collaborations with a series of remarkable faculty, postdoctoral, doctoral, and undergraduate associates. Within the University, Bill has enjoyed 14 years as director of the predoctoral training grant in genetics, and has catalyzed a series of cross-campus efforts -- from the undergraduate Biocore Curriculum and the Thursday Night Nucleic Acid Group in the '60s (to which Khorana contributed with gusto), to Cell Biology Study Group in the '80s, to the Cancer Genetics Program of the Cancer Center in the '90s. Now he is involved in two efforts to connect research on the Health Sciences Campus with that on the central campus: the Technology Forum and the GI Cancer Translational Working Group. Indeed, Gobind has honored this principle in his own way while at Wisconsin, and now immortalized it in the Khorana Program between Wisconsin, the US, and India.

Alexandra and Bill engage the Madison community in the same interactive spirit, feeding our enthusiasms beyond research and university life. Among other interests, we support the emergent Children's Museum on the Capitol Square, hoping that it can join the prowess of our university with a community commitment to foster the development of curiosity and expression in our children and grandchildren.

To Bill
With fond
memories,
and best regards,

Gobind
August 1,
2009.