

Introduction of Arnold M. Friedman

Dr. Seaborg

Our next speaker is Arnold M. Friedman. Arnie got his Ph.D. with Joe Kennedy at Washington University in St. Louis in 1953. I have an indirect connection with Arnie. Although Joe Kennedy didn't get his Ph.D. with me in a formal sense, he worked with me and I made the suggestion for his Ph.D. thesis problem. It was during the period when I was serving as personal research assistant to Gilbert Newton Lewis, and was not yet actually on the faculty here at Berkeley. So, in a sense, Arnie is one of my Ph.D. students once removed, or grand-student.

Arnie began to work, as soon as he received his Ph.D., at the Argonne National Laboratory. He was a member of the team from Argonne, along with Paul Fields and others, that was carrying on the investigation (and discovery) of heavy isotopes produced in the neutron bombardment of plutonium and heavier isotopes in the MIR at Arco. This took place at nearly the same time that we were identifying the isotopes that I enumerated earlier--berkelium-249 and so forth, on up to fermium. Arnie and Paul Fields and their co-workers were doing the same thing at the same time at the Argonne National Laboratory. He has continued his work in the heavy isotope region studying the nuclear and radioactive properties of the actinide isotopes and has specialized in this region for the last ten or fifteen years.

Arnie, would you come forward. He will speak on the radioactive properties of mendelevium whereas Darleane spoke on the nuclear properties; I think the line of demarcation is pretty thin.