Because of Science: Advances in Life

Science has made all of our lives much easier, and has allowed us to do things that would have been impossible just a hundred years ago. Flight and medicine are perhaps two extreme examples. Not just the treatment of diseases and mending of broken bones, but probes such as CAT scans, MRI and even fMRI allow us to look inside the body and see things with remarkable clarity. In the case of fMRI, we can even see where the brain is actually processing information! Osheroff’s discovery of superfluidity in liquid $^3$He while still a graduate student, which won him the Nobel Prize, vastly extended our knowledge and understanding of “unconventional” BCS states, such as the high temperature superconductors, and the superfluids believed to exist in neutron stars.

In preparing for the talk, Osheroff said, “The myriad of invitations to speak to audiences all over the world, and particularly to inspire young people to think about careers in science, have allowed me to have an impact which goes well beyond the science that I do and that I have done.”