

NRL

While at Brooklyn Poly, I minored in X-ray Crystallography and was recommended by Dr. Ben Post, one of my professors and a leading Crystallographer, for a position at the Naval Research Laboratory, in Washington, DC, Fig. 1, working for an eventual Nobel Laureate Dr. Jerome Karle. As studious as I was, I was shockingly unready for the intellectual level of my coworkers, Drs. Karle, and his wife Isabella. These were the smartest and nicest people I had ever met. While this research was very difficult and challenging, it prepared me for my next career in what seemed to be a completely unrelated field of Acoustics.



Figure 1. Naval Research Laboratory, founded by Thomas Edison, on the banks of the Potomac River.

Fig. 2 shows a photo of the Laboratory for Structure of Matter group in front of the entrance to the laboratory. Fig. 3 is a photo at a party commemorating the award of the Nobel Prize in Chemistry in 1985, for the direct analysis of crystal structures, using X-ray scattering techniques.



Naval Research Laboratory 1984, outside the NRL front gate

Back: Pete D'Antonio, Judy Flippen-Anderson, Cliff George, Janet Smith, Steve Brenner, Richard Gilardi, Isabella Karle, Jerome Karle.

Front: John Konnert, Lynn Graham, Al Lowrey, Wayne Hendrickson.

Photo courtesy Judy Flippen-Anderson.

Figure 2. Laboratory for Structure of Matter group in 1984.



Photo in 1985 showing party at Keith Ward's house in celebration of Jerome Karle winning the Nobel Prize.
Back row: Keith Ward, Doug Collins and his wife, Isabella Karle, Jerome Karle, Pete D'Antonio, Janet Smith,
Cliff George, Al Lowrey, Richard Gilardi.
Front row: Diane Ward, Judy Flippen-Anderson, Steve Sheriff, John Konnert.
Photo courtesy Judy Flippen-Anderson.

Figure 3. Photo of the group in 1985 celebrating the Nobel Prize.

**A complete list of my publications can be found on Google Scholar
(<https://scholar.google.com/citations?user=cLEl85sAAAAJ&hl=en>).**