It has been known for over 30 years that quasars are radiating massive black holes in the centers of galaxies, designated AGNs, for active galactic nuclei. It has now become clear that the black holes and galaxies are strongly connected and that black holes must have strongly influenced the formation of all structure in the universe. In order to understand this phenomenon we must first know how many AGNs there are, how much they radiate and how they will evolve with cosmic time. Dr. Mushotzky will summarize his progress in this area using recent Chandra and XMM X-ray surveys. He will show that past work seriously underestimated the number of AGN and misestimated their evolution.

TIME: 4:00 p.m., Thursday, April 13th, 2006
PLACE: 101 Corcoran Hall, GWU
725 21st Street, N.W. (Between G and H Streets)
METRO STATION: GWU/FOGGY BOTTOM (BLUE & ORANGE LINES)