Visitors, especially Science students, are invited to a Members’ lecture

at 7:30pm, Tuesday August 28th 2001

in the Kerr Grant Lecture Theatre
Physics Building, Adelaide University

“Penguins, ice and the ionosphere:
Antarctic physics”

by Dr Todd Maddern
Wintering Physicist, 1998
Now at the Flinders University of SA

Abstract:
Australian scientists are currently involved in many aspects of Antarctic research. I worked at Casey Station as a physicist with the Atmospheric and Space Physics Group of the Australian Antarctic Division. Apart from my ionospheric research, I was also privileged to be involved in research outside of physics. This 'extra' research involved petrels, penguins, lake sediments, moss beds, fish, elephant seals, ice, and human impacts. I will talk about the scientific endeavours I was involved in and share some images of this beautiful continent.

Biography:
After completing a PhD at the Flinders University of SA on "Ion transport in xenon gas: applications to double beta decay", Dr Todd Maddern worked as an ionospheric physicist in the Antarctic as an employee of the Australian Antarctic Division, spending 1998 at Casey Station. He is now a lecturer A in the School of Chemistry, Physics and Earth Sciences at the Flinders University of South Australia.