

## **J.6 Monitoring the 0–2 GHz Spectrum: A High-School Radio-Science Awareness Project**

**Michelle C. Storey<sup>1</sup> (michelle.storey@csiro.au), George B. Warr<sup>1,2</sup>, Paul Krautil<sup>3</sup>, Duncan Campbell-Wilson<sup>2</sup>, Anne J. Green<sup>2</sup> and Peter J. Hall<sup>1</sup>**

<sup>1</sup>**CSIRO ATNF, PO Box 76, Epping, NSW 1710**

<sup>2</sup>**School of Physics (A28), University of Sydney, NSW, 2006**

<sup>3</sup>**Pymble Ladies College, Avon Rd, Pymble, NSW, 2073**

A project to raise awareness of radio-science and the importance of the radio-frequency (RF) spectrum will be run in several Australian high schools in 2002 and 2003. Students from city and country high schools will measure 0–2 GHz RF signal levels in their area and compare results via the Internet. Their data will give the students an appreciation of the requirements of a “radio-quiet” site for the Square Kilometre Array radio telescope, and may be used in the site selection process. Outcomes for the students will include an increased understanding of the value and use of the radio spectrum for communication and astronomy and give them practical experience in radio-science. It may also inspire some students to consider careers in this area.