

# HHERN NEWS

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**Did you know....**

The National Broadband Network Build in the Wingecarribee will not begin until at least 2015 according to the latest three year build schedule released by NBN Co. earlier this year. This makes the support for the HHERN project even more important for our community than originally anticipated.

Now HHERN supports the education of over 2000 students in three schools. Over a 5 year period that is providing over 10,000 student school years of improved education through access to high speed broadband!

**ABC Video Library**



The ABC Video Library is a new library of downloadable short video clips for teachers, students and parents. The current collections are in the learning areas of History and Science including environmental issues, post-war Indonesian history and the history of the conservation movement.

<http://abceducation.net.au/videoibrary/>

Doing something interesting on the HHERN Network?

Let us know so we can include in future editions of HHERN News!

## Oxley College celebrates 1 year on the HHERN



*Oxley College's microwave radio being installed .*

HHERN was very pleased to welcome Oxley College on board in a very cool June of 2011. After moving from Telstra's ADSL to the HHERN microwave connection Oxley College's students and teachers can now engage in the digital education revolution with access to NBN comparable speeds.

"Our Teachers and Students now have world class internet access. We continue to find new ways to exploit this technology for education. Waiting endlessly for web pages to load is a thing of the past and we are only using a small portion of the capacity available to us." said Mr. Imre Hirka, IT Manager at Oxley College.

" We were very pleased to bring Oxley College on board with HHERN. Oxley College now joins the Southern Highlands Christian School and Chevalier College with the fastest K-12 Internet connections in the region." , said Allen Cupitt the Managing Director of HHERN."

Nick Cross from AARNet said, " I am delighted with another Highland school coming on board. The HHERN shows how a community can work together to deliver services that make a difference. AARNet is a great supporter of the HHERN project!"



*Technicians installing the Oxley College radio on the tower. Not the best place to be on a cold windy June Winter's day.*

*HHERN provides communication services to connect educational institutions to the Australian Academic and Research Network (AARNet). HHERN aggregates the institutions under HHERN's membership with AARNet. This sharing allows schools and institutions to connect at a lower cost and best of all, education data from AARNet is free!*

*For schools, the formula is simple: total dollar costs to HHERN divided by the number of students. The cost per head is reduced as we add schools and students.*

*For non-school institutions an estimate of network usage is determined and a fee is then put into the formula which again reduces the participation costs.*

*The simple aim of HHERN is to provide exceptional educational Internet access that would otherwise be cost prohibitive.*

*HHERN is made possible by the support and co-operation of Australian Bio Resources (an operating entity of the Garvan Institute of Medical Research*

*www.garvan.org.au),*

*AARNet, Wingecarribee Shire Council and Ace Internet Services.*

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**QUESTNET**

Allen Cupitt of HHERN represented the group at QUESTNET 2011 as a speaker in the K-12 stream. QUESTNET is considered the leading Australian conference for education and technology. Allen Cupitt, MD of HHERN said "I was very happy to tell the HHERN story to participants at the QUESTNET conference held at the Gold Coast last year. It was very rewarding to hear from a variety of participants how the HHERN project was genuinely unique. We were asked about how we put HHERN together and how we managed to bring so many organisations together to co-operate and achieve this amazing outcome. I had to tell them that at the end of the day it was some luck, a lot of trust, an enormous amount of work and delivering on your promises, this is how we built HHERN. "

HHERN will be represented at QUESTNET in 2012 as will representatives from the Bradman Museum as they make plans for video conferencing for education outreach, see Welcome aboard the Bradman Museum below.

**Welcome aboard the Bradman Museum.**



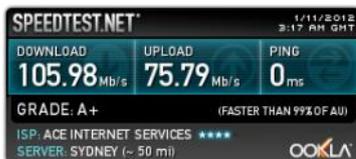
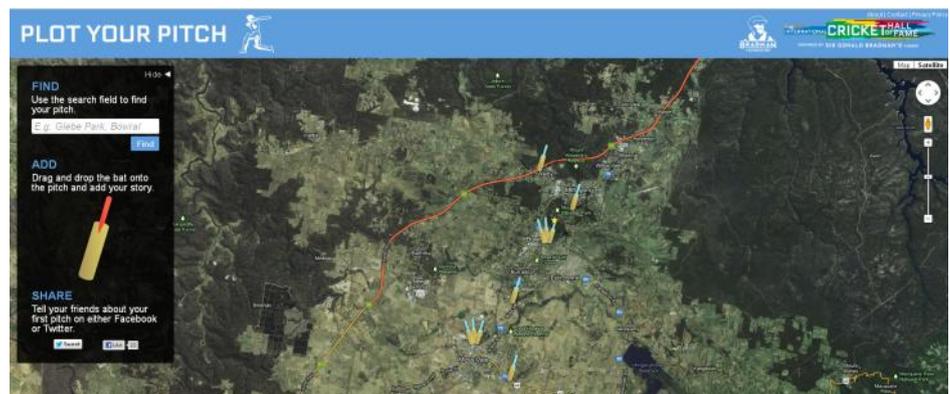
Early in 2012 we connected the International Cricket Hall of Fame (ICHOH) to the HHERN network. The Bradman Foundation received a grant as part of stage two of ICHOH that was to have a digital outreach component that would included a connection to AARNET through HHERN. Many innovations can now be supported including Plot Your Pitch which allows Cricket enthusiasts to plot their first game of cricket on a map with a photo and story.

In addition to the social media component

of the ICHOH will develop outreach programs and develop video conferencing excursions for education. Rina Hore, Executive Director of the Bradman Foundation said, "We are now able to embark on a new era for the Foundation and the ICHOH we will engage interactively with Cricket enthusiasts all over the world. We can present, inform and interact with a University in India and then to a School in New Zealand, the possibilities are endless. Go online and see [www.plotyourpitch.com](http://www.plotyourpitch.com) "



*Forward thinking allowed the Bradman Museum's radio mount to be integrated into the new building design forming part of the structure and saving on the cost of installation.*



**What's in a speed test....**

Internet speed test from the Bradman Museum (left) over their new licensed microwave equipment. This test demonstrates plenty of capacity available for the Bradman Museum's digital outreach program! AARNet ran and published speed test over a 100Mb/s NBN Fibre connection (top right), interestingly speed from Bradman is comparable, in fact the microwave radios used at the Bradman Museum is capable of over 320Mb/s or three times current speeds!

