



## PRESS RELEASE

### ***Bryston Amplifier Selected to Power Sound System in NASA Lab***

**Peterborough, Ontario August, 2007** — Bryston has announced that the 6B SST amplifier has been selected to power the sound system for the new NASA Glenn Research Center (GRC) Hearing Protection Device (HPD) Evaluation Laboratory. The HPD lab at GRC will be used to develop hearing protection systems for a variety of NASA programs in accordance with the ANSI S3.19 and S12.6 standards and internally developed protocols.

The Bryston 6B SST amplifier will power three loudspeakers in a small reverberation chamber designed to create a uniform sound field around human test subjects. The sound system must be capable of creating distortion free sound pressure levels that are at least 90 to 100 dB above the threshold of hearing when the subject is wearing the ear protection, and then present the same stimulus at the threshold of hearing (TOH) when the test subject is unprotected by the HPD device. Because NASA personnel may be exposed to potentially high noise levels within their work environment, the organization will be evaluating the performance of double hearing protection systems (i.e. earplugs plus earmuffs) or other custom designed hearing protection systems for flight applications.



The system under development will utilize a 24-bit National Instruments digital signal generation and analyzer card to drive the Bryston amplifier. The Bryston will drive three EV T251+ loudspeakers in a 40 cubic meter reverberation chamber. Beth Cooper at NASA GRC is the lead engineer for the HPD Laboratory project, and ViAcoustics and Nelson Acoustics are the system developers for this project—two organizations with extensive prior experience working with NASA as part of the engineering team responsible for noise control on the International Space Station.

**About Bryston:** *Bryston ([www.bryston.ca](http://www.bryston.ca)) first opened for business in 1962 as a manufacturer of blood analysis equipment, and was named (as an acronym) for its three founders, Tony Bauer, Stan Rybb, and John Stonborough. In 1968, NASA engineer John Russell, Sr. relocated himself and his family to Canada from the US and bought the company, where his son Chris set to work designing the first Bryston amplifier. The Pro 3 made its debut in 1973, and since that time, Bryston components have become legendary for their hand-assembled build quality, performance and reliability in both the pro audio and consumer audio market segments. Bryston amplifiers are utilized in some of the world's most renowned recording studios and owned by many discerning music industry professionals. Bryston applies manufacturing techniques and materials in the everyday assembly of their electronic equipment that are more typically utilized by the military and aerospace industries. Bryston is now based in Peterborough, Ontario Canada, just northeast of Toronto, and sold through over 150 dealers in North America and 60 countries worldwide.*

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