# The AGS Main Control Room Layout

*Keith Zeno*
*Building 911A*
*Brookhaven National Laboratory*
*Upton, NY 11973*

The layout of our control room has recently been modified to accommodate RHIC, a new addition to the accelerator complex that will be coming on-line in the near future. Within the control room there are six 'consoles', arranged roughly in a circle. The consoles are approximately the same size. In the middle of the room lies the 'center console'. This console serves as a focal point for control room activities, and a repository for necessary documentation.

One of the six consoles that are arranged in a circle is specialized for the safety related aspects of accelerator operations such as the access control system, emergency response, and alarms associated with the experimental area . The other accelerator controls are operated at any of the five remaining consoles. These aspects of accelerator operations mainly involve the computer controls network, which is used to control and monitor processes within the accelerator itself. Atop each of these five 'controls' consoles are monitors which display indications that summarize the state of the accelerators. There is also a monitor which displays alarms, several oscilloscopes, some specialized equipment, and a host of smaller video monitors, at each of these consoles.

Each of the five consoles has two Sun workstations which are used to run controls system applications, and generally interact though the controls system with the accelerators. Each computer has one keyboard, one mouse or trackball, and two display screens associated with it. In principle, two people can work on the accelerator independent of each other at each of these consoles.

The control room is the hub for activity associated with the accelerator complex. Efficient communications are necessary in this environment. To this end there are two phones at each of the seven consoles, and radios are used extensively as well. These radios, as well as the paging system, can be accessed through these phones.

A great deal of documentation is needed to operate the complex. Much of this is stored at the center console. A rapidly increasing amount of it is also available through 'the Web' at any of the workstations.