Parrish Hall 2nd & 3rd Center offices.

Heating & Cooling System Description
and
How it works.

SWARTHMORE COLLEGE

For Maintenance requests
Email workbox@swarthmore.edu or
Phone X 8280

Room Heating Tips.

Be certain that windows are shut tightly.

Don't forget the upper section of the window.

Windows that are not completely closed allow cold air into the room.

If your windows won't shut properly call

Facilities Management at x8280 to report the problem.

Closing window shades can help keep the cold out and the heat inside in the winter.

Don't place lamps or other appliances near the thermostat as this can fool the thermostat into reducing the heat / cooling supplied to the room.

Be certain that nothing blocks the air into or out of the radiators
as this prevents convection from circulating warm air through the room.

Heat for the major buildings on campus is supplied by steam from the boilers in the Heat Plant. The boilers burn primarily natural gas or, as an alternative, #6 heavy oil. During the coldest winter weather the College can burn the heat equivalent of 5,500 gallons of oil per day. Cooling is provided by an underground chilled water loop served by chillers in McCabe Library and the Chiller Plant behind the Science Center.

The center of Parrish Hall is served with a system that is separate and distinct from the rest of the building. The heat is provided from the Heat Plant through a steam to hot water exchanger. The heated water is circulated through heating coils installed in ductwork that provides fresh air. Each room has it's own thermostat which can be adjusted within the limits we set. Cooling is provided (via a separate coil) through that same ducted air system, from chilled water drawn directly from the chilled water loop that serves the academic buildings on campus.

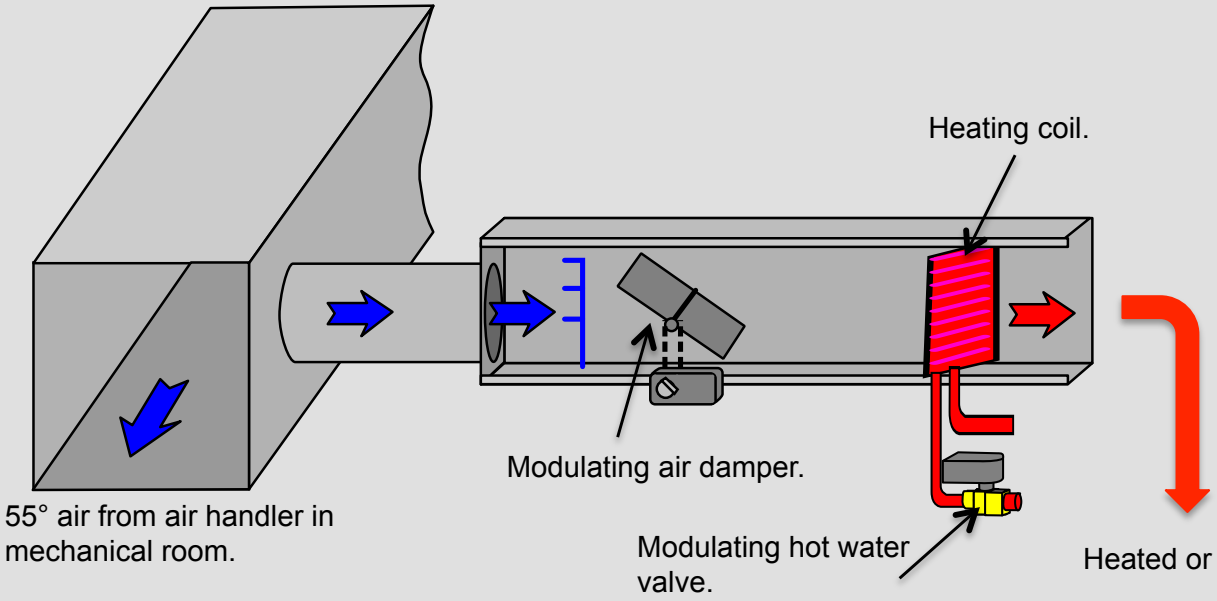
During unoccupied times the heating is reduced and in the summer unoccupied times the air conditioning is off.

More College energy information can be found at;

http://www.swarthmore.edu/x29161.xml

Typical Center Offices 2nd & 3rd floors Parrish Hall

Equipment above ceiling.



The damper opens to supply more cool air the warmer the space gets. When the space reaches temperature the damper modulates to maintain a low flow of ventilation air. When the room needs heat the heating valve opens to warm the flow of ventilation air.

Office area.