

ADVENTURES OF IGGY



The Alternative

GS-Systems are “down to earth” heating, cooling and hot water systems designed to tap the earth’s stored energy. The electrically powered unit pulls heat from the earth to warm your home during the winter. And, with the flick of a switch, the same system pulls heat from your home in the summer and transfers it to the earth. In addition, waste heat from the system can be used to heat water at a very low cost. GS-Systems provide optimum performance, dependable service, high efficiency and much more.

How Does a GS-System Work?

The down to earth energy option is an electrically powered system that capitalizes on the earth’s moderate temperature. Water or an antifreeze solution is circulated through plastic pipes buried beneath the earth’s surface. In the winter, this solution collects heat from the earth, carries it through the system and into your home. The GS-System provides you with constant warmth and comfort during the cold winter months.

In the summer, the GS-System reverses itself to cool your home. Operating like the refrigerator in your kitchen, this system pulls heat from your home. The heat is then carried by the fluid in the pipes through the system and transferred to earth. A GS-System guarantees you constant cool relief during hot summer months. And, as an added benefit, you can utilize the waste heat from your home in the summer to heat water at substantial savings.

What makes GS-Systems so efficient?

The down to earth energy option is the smart, efficient alternative to fossil fuels because the system works with Mother Earth by moving heat rather than making heat. By operating on the simple premise that heat always moves hot to cold, GS-Systems can efficiently heat and cool your home by operating around the earth’s moderate temperature.

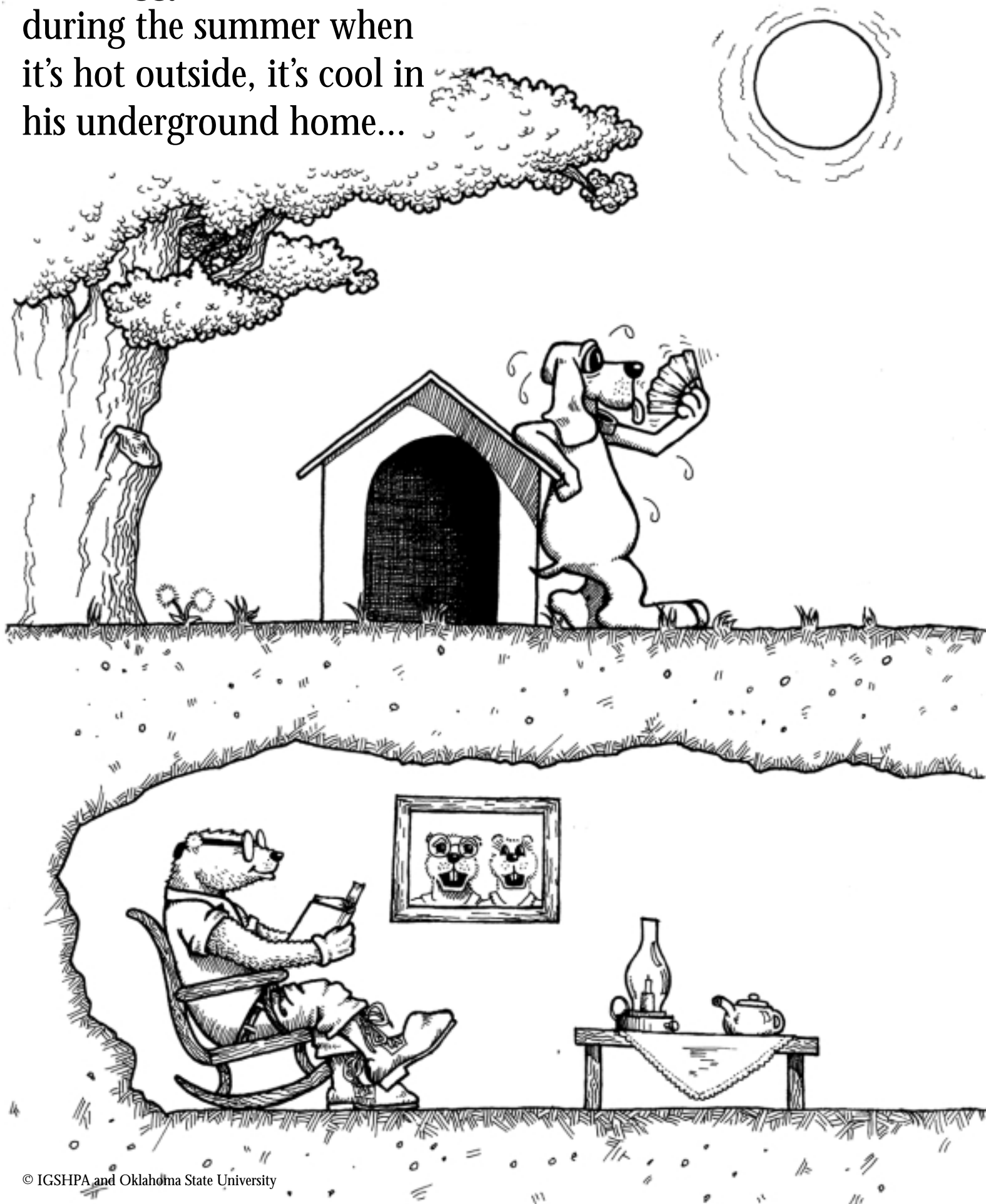
GS-Systems are neatly-wrapped, energy efficient packages to help you budget your household expenses. They offer you an economical method for managing your utility bills.

With a GS-System, you can escape the headache of balancing numerous utility bills. Each month you will receive one bill from your electric utility for your home heating, cooling and hot water costs.

International Ground Source Heat Pump Association
Oklahoma State University
499 Cordell South
Stillwater, OK 74078
www.igshpa.okstate.edu



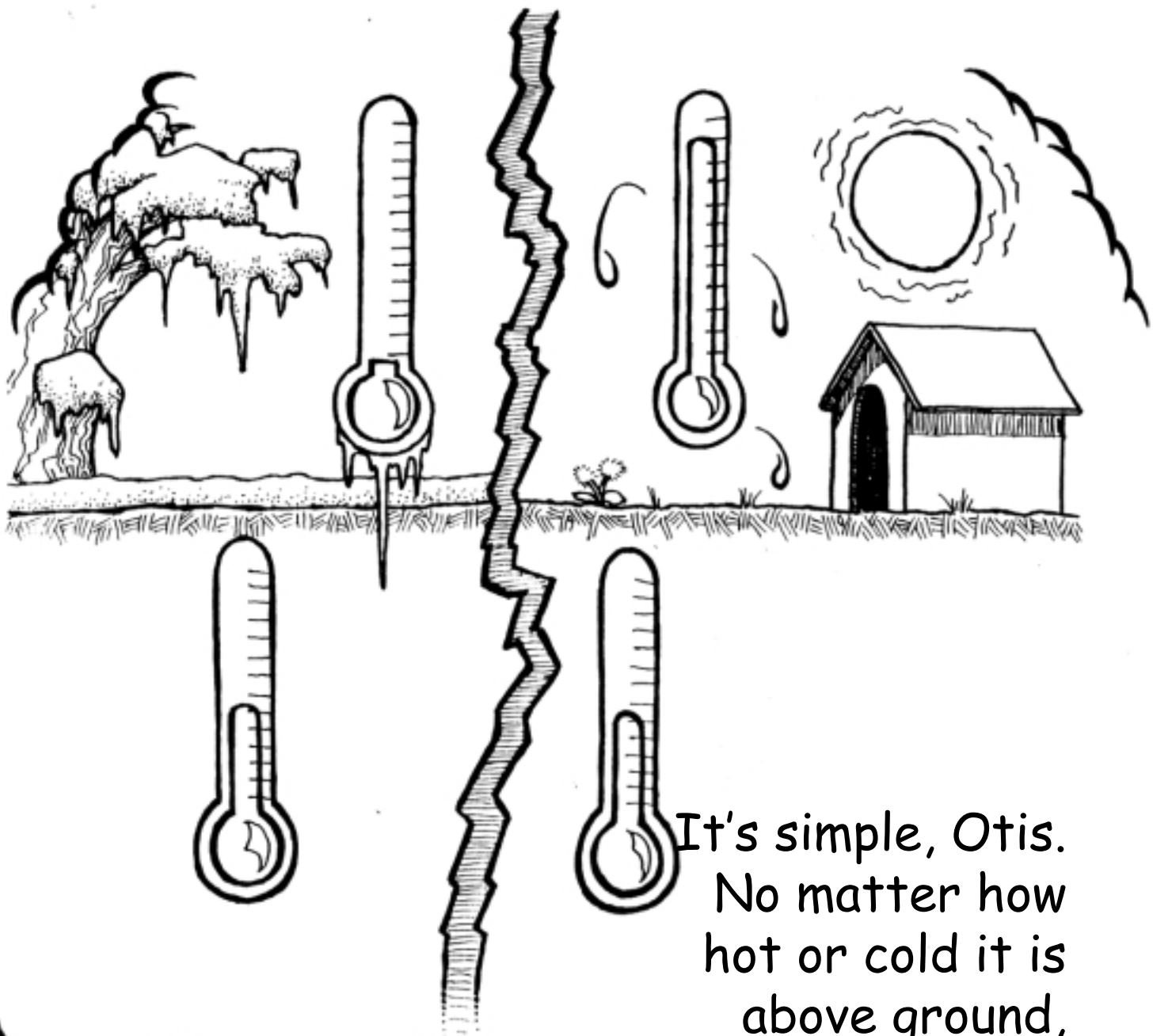
What Iggy means is,
during the summer when
it's hot outside, it's cool in
his underground home...



And in the winter when it gets very cold,
Iggy's home stays warm and cozy.







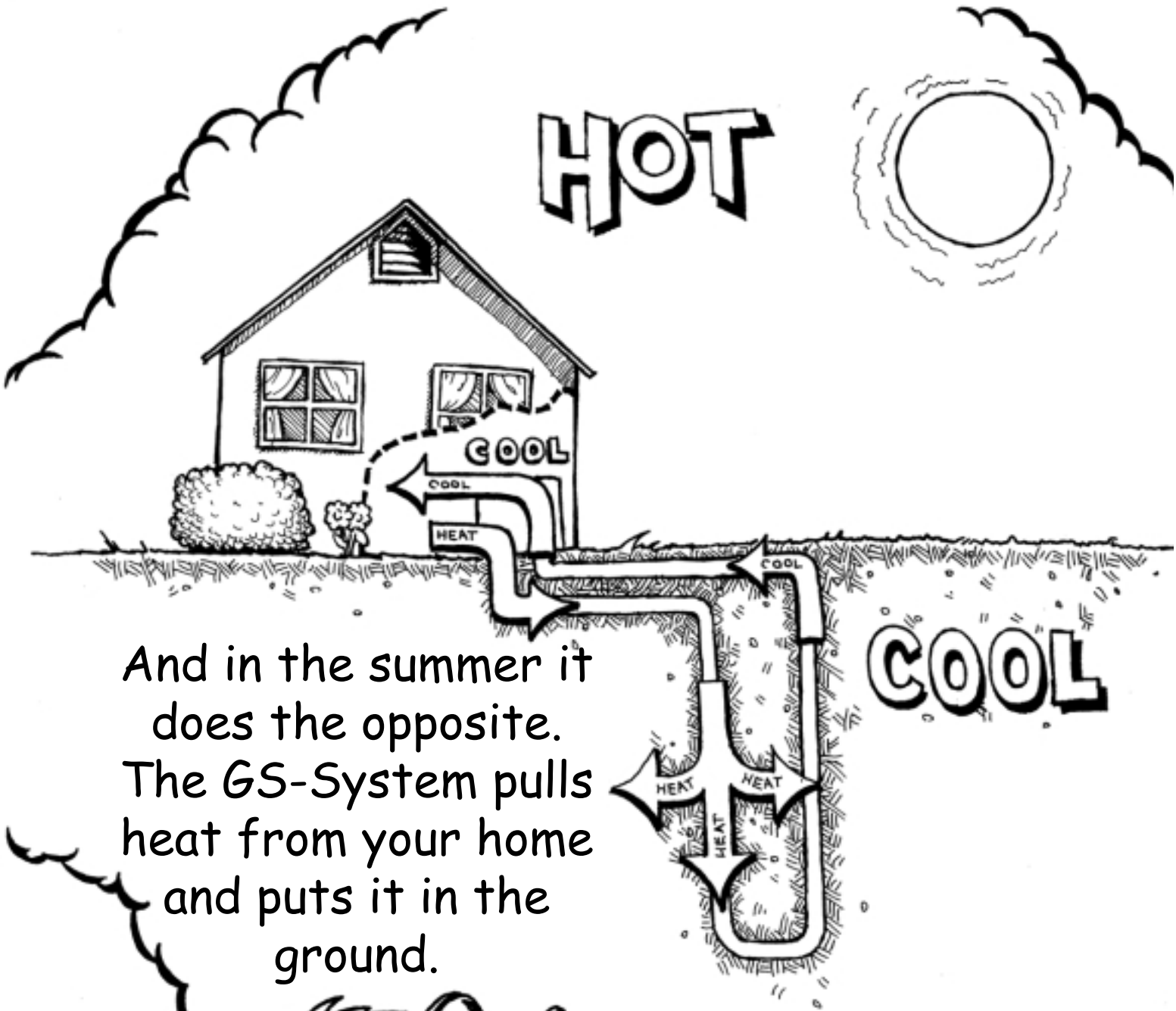
It's simple, Otis.
No matter how
hot or cold it is
above ground,
the temperature
underground stays
comfortable
year round.





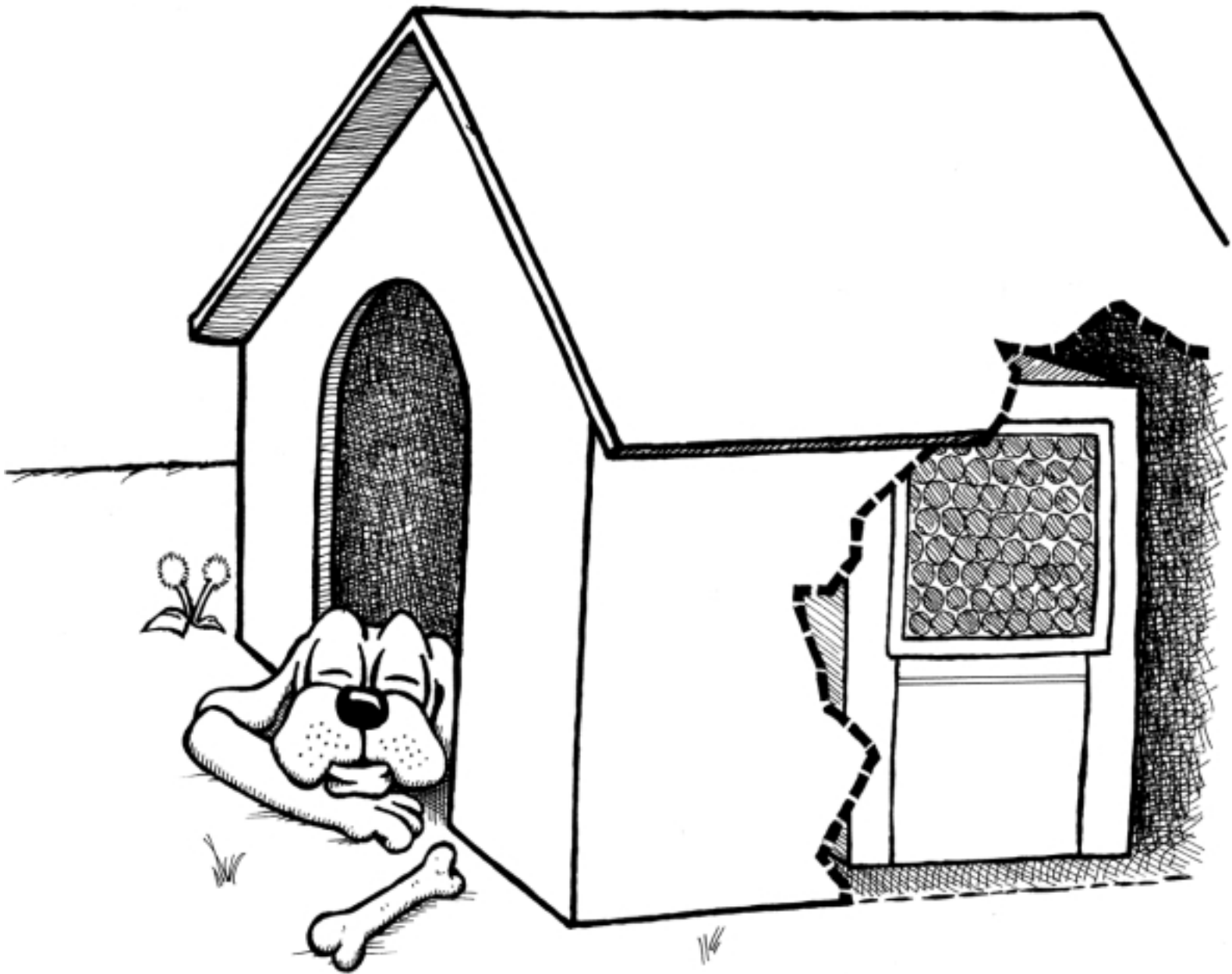
But you don't have to live underground to be comfortable. In the winter, a machine called a GS-System can take heat from the ground and put it into your home.

HOT



The GS-System
saves money and
energy. It is also
quiet and small
enough to fit in
your house, Otis.





With a GS-System, Otis is now as comfortable as Iggy.

What can you expect from a GS-System?

- **Savings** GS-Systems can cut your home heating costs as much as 60 percent in the winter, reduce your home cooling costs up to 25 percent in the summer, and provide hot water for normal household use.
- **Conservation** GS-Systems work with the environment by utilizing the earth's moderate temperature to heat your home in the winter and cool your home in the summer.
- **Cleanliness** GS-Systems, a clean alternative for heating and cooling, help preserve nature. GS-Systems minimize the present environmental problems like acid rain, air pollution or the destruction of the ozone layer.
- **Durability** GS-Systems last longer than conventional systems because they are self-contained systems housed entirely within your home and underground. These systems are sheltered from the extreme outside weather conditions that conventional systems must endure.
- **Low Maintenance** GS-Systems are not prone to breakdowns after frequent use like some conventional systems. Similar in concept to a refrigerator, a GS-System has few moving parts subject to breakdown. The heat exchanger in a GS-System, which transfers heat to and from the earth, is made of engineered plastic. It can operate efficiently fifty years after installation.
- **Low Noise** Aside from cool relief and warm comfort, a GS-System will offer no additional clues to its hard work. GS-Systems have no noisy, rattling units to disturb your family or neighbors. Without these loud reminders, you may even forget your GS-System is there.