Want to learn about cheese?

UNIVERSITY PARK -

easiest cheese to recognize -That's because, in addition to its sweet, nutlike flavor, Swiss cheeses has "eyes" of its own. the holes that make during the last stages of However, the eyes are an important part of the first correct size steps of the process.

bacteria, as well as rennet, an enzyme, are added These reduces cost to both two substances curdle the milk, causing the milk solids, the curd, so coagulate basically the same as in and separate from the liquid, or whey Curd is the basic However, the curd is pressed stuff of cheese, whether it's in a rectangular vat instead cottage, Colby or Camembert. The different ways in 80-pound blocks After which curd is coagulated and salting (for flavor treated after it forms, in addition to the type of milk, blocks are wrapped in create the unique tastes, textures and aromas of different cheeses.

In traditional Swiss cheese production, the curd is first egg-slicer. The curd and whey mixture is stirred and drained of most of the whey, remaining whey. After about 24 hours, the large wheels of hardened curd are submerged in brine to draw moisture from the surface, producing a firm but flexible rind This rind holds the cheese's shape, while allowing it to expand as the eyes develop.

The wheels are then room for six to eight weeks, where they ferment, like wine During fermentation, the bacteria that were added at the beginning continue to act on the curd, changing it to cheese by knitting the



pieces together and creating the special texture and Swiss is probably the flavor of Swiss. A by-product of this bacterial activity is with your eyes, at least carbon dioxide gas It cannot escape due to the surrounding cheese, so bubbles develop within the mass, slowly merging to form the if famous This unusual eyes. In the old days, cheese characteristic develops makers tested for proper fermentation by tapping the Swiss cheese manufacture rind. They could tell by the sound whether the eyes were caused by bacteria that are well distributed and of the

Today, most cheese plants All cheese-making begins use a process developed in with a large vat of warmed the early 1940s to produce milk to which these large, rindless blocks of beneficial, acid-producing Swiss By eliminating the wasted rind, the process processor and consumer. The manufacturing steps are traditional methods. of hoops and is then cut into development only) the plastic, which does the same job as a rind, but prevents one from forming because it seals moisture in and air out.

After fermentation, Swiss cut into kernel-size pieces cheese made by either with a "Swiss harp," a wire method is placed in a cool, device that looks like a large humid "cellar" to age or cure. Here, eye formation stops but flavor development cooked. Then the curd is continues. The aged cheese is ready for eating in four placed in cylindrical hoops months, although some and pressed to remove Swiss is allowed to ripen as long as a year for a more pronounced flavor. Someone cutting into a traditionally made, well-aged wheel of Swiss may even find that the eyes are weeping - "tears" that are actually brine.

Why is Edam cheese round? And Gouda not?

Edam and Gouda also have eyes, very small ones, placed in a warm, humid but these cheeses are remembered for their shapes as well as their mild, pleasing flavors Edam is the only spherical cheese in the world. It is made in balls weighing about four pounds each; Baby Edams weigh two. Tradition has it that Edams first were made round so their thirteenth century Dutch exporters could roll the cheeses down 🚿 the streets to the wharves

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Another story tells how mountainous Causses area Edam got its nickname, the 'cannonball cheese' In 1841, American commanders of the Uruguayan fleet were able to defeat the Argentine Navy, led by the British, by shooting with Edams when they ran out of cannonballs. No matter where Edam gets its nickname, its real name comes from a village in Holland, and its shape from the molds in which it is pressed and the milk from which it is made.

To form an Edam cheese, cooked curds are mounded in the bowl-shaped bottom portion of a mold with drainage holes Then a matching top half is fitted over the curds and they are pressed to squeeze out the whey. Since Edam is made from a blend of skim and whole milk, which coagulates faster than whole milk alone, the curds hold the spherical shape when the mold is removed.

Gouda (pronounced Khowda by the Dutch) is made from whole milk. Old-time cheese makers found that when Gouda curds were removed from round molds, they were not firm enough to stay round and so collapsed into the familiar convex wheel shape. Today Gouda is sold in wheels weighing up to 12 pounds and as Baby Goudas weighing as little as 10 ounces

Why is Blue cheese blue? The blue lines running

through Blue cheese are actually colonies of penicillin mold that were placed there deliberately The origin of Blue-type cheese was probably accidental One day long ago, the story goes, a shepherd (ess) in the desolate,

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of France left provisions of bread and ewe's milk cheese in one of the many caverns that dot the area (Perhaps he or she was being chased by villains or had met a sheep-watcher of the opposite sex) When s/he returned to the cave several weeks later, s/he found the mold from the spoiled bread had spread to the cheese Curiosity, or maybe hunger, forced her/him to taste, and what a delightful surprise! It tasted so good that people deliberately set cheese to mold in these cool caves,

with their special air circulation Later cheese makers began to add dried, moldy bread crumbs to the curds before taking them to the caves

Blue cheese is made about the same way today. Cultures of Pencillium roqueforti and Pencillium glaucum are grown in laboratories The resulting spores are added to the cheese curd along with salt. The curd is pressed in tall cylindrical hoops and then holes are drilled to let air enter the cheese body and allow the mold to grow Blue

cheese is cured in a cool, very humid room, much like the original caves, for two to five months until the mold is flourishing. Then it is packaged and distributed as soon as possible, because the mold continues to grow, curing the cheese further and causing the flavor to become sharper.

So next time you savor this distinctive cheese, perhaps at a cheese tasting, you'll be able to enliven the conversation by telling how Blue came by its unusual color Or why Swiss cheese has

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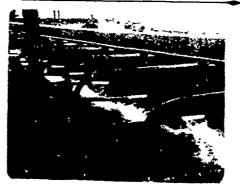
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