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# ifestyle/Food

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# Crafting Cheese

## Writer's second attempt, under guidance, reaps savory reward

BY DAINA SAVAGE

love of artisanal foods naturally leads to a desire at making your own. Unfortunately, my first attempts at the ancient culinary craft of cheese making were, frankly, embarrassing.

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Inspired after reading Barbara Kingsolver's book "Animal, Vegetable, Miracle: A Year of Food Life," I had dreams of making my owin mozzarella to top grilled pizas and tuck between slices of heirloom tomatoes and basil.

of beir/oom tomatoes and basai.

I procured the milk, remet tablels and citric acid to make the "30 Minute Morzarella Magic" created by "Cheese Queen" Rickick Carroll, whose "Home Cheese Making" manual has inspired legions of novices to turn into cheese makers. The founder of the New England Cheesemaking Supply Company in 1978 in an attempt to preserve the milk has taught more than 7,000 peuple how to make cheese in workshops. More than 100,000 bought her book and presumably attempted it on their own.

With her beginner's kit

presumably attempted it on their own.
With her beginner's kit to guide me (\$25 at www. chessemaking.com), I dove in. I thought I followed the instructions perfectly. But when my first batch looked more like ricotta than the mozzarella I was attempting, I save up.

mozzarcia i was attempting, I gave up.
Thankfully, I ran into
Paradise native Elisa Ranck
Fleming, who, inspired by the same books, dove into cheese making with her family.
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As the Ranck family own As the Ranck family own As the Ranck family own their unlimited supply of fresh milk afforded plenty of chances to experiment. They too had their own early fail-ures. But once they got the hang of it, they added cheese making to the Farmer's Ap-prenting to the Farmer's Ap-renting to the Farmer's Ap-prenting to the Farmer's Ap-prenting to the Farmer's Ap-renting to the Farmer's Ap-prenting to the Farmer's Ap-renting to

"The mozzarella is really simple, so it's a good one to teach," Fleming said. A cheese-making apprenticeship was just what I needed. Nothing beats hands on training, and having experienced and confident cheese makers to question throughout the process was invaluable.

# GOOD MILK

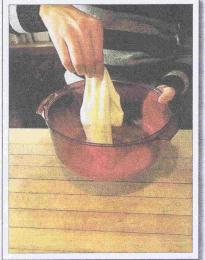
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### INGREDIENTS AND SUPPLIES

Making cheese is basically removing the water from the milk to concentrate the protein and butterfat. To do this, in ancient times, people discovered that enzymes from the stomach of young ruminant would cause milk solids



The writer's first attempts at cheese making were embarrassing, but eventually she found success. A block of hand-crafted Parmesan sits with its multihued rind, above, which is what the writer aspires to craft someday.



Mozzarella is a simple cheese to try to make, according to veteran cheese maker Elisa Ranck Fleming. Cheese-making classes are offered at Verdant View Farm in Paradise.



Cheese-making apprenticeships at Verdant View Farm in Paradise are \$15 per person. A tour of the farm and visits with the farm animals are included. Reservations are required, call 687-7353 or e-mall reserva-

For step-by-step instructions and photographs, vis-It Ricki Carroll's

Web site at www. cheesemaking.com.



Elisa Ranck Fleming adds rennet — available in liquid, tablet and powdered form — to milk as one step in the

#### 36-MINUTE MOZZARELLA

1 gallon milk
1 1/2 teaspoon powdered citric acid dis-solved in 1/4 cup cool water
1/4 teaspoon liquid rennet diluted in 1/4 cup cool water (if using rennet tablets, follow conversion instructions on the package)

conversion instructions on the package of the condition of the cold milk. Heat slowly to 90 degree is a stainless steed pot over medium-low heat. The milk will begin to thicken like yogurt. Gently stir in the diluted rennet for 30 seconds and turn the heat to low In seconds and turn the heat to low In second to 50 minutes, a firm curd will flow, paparat-lough, folding it over and over to distribute

Reserve the whey.

Press the curds gently with your hands,

ing from the clear whey. If the whey is still white, wait a few more minutes.

Take off the heat. Use a kinife to cut the curds into chunks. Scoop them out with a stoted spoon into a columber.

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If it's not hot enough to stretch, you can return it to the microwave for 30 seconds at a time until the curd is smooth and pliable.

When the cheese stretches like taffy, it's done. Roll it, braid it and have fun. Best eat-en fresh, it can be refrigerated for a week. Yields 1 pound.

to separate from the whey and form curds. (The en-zymes help the animal digest its mother's milk). It proved a tasty way to store perishable milk.

Now extracted from calf Now extracted from cair stomachs, you can purchase rennet in liquid, tablet and powdered form. Vegetable rennet made from plants with coagulating properties is also now available for vegetar-

a now available for vegetar-ians. While rennet helps the curds coagulate, citric acid ts helps the curds separate from the whey. Another mistake I made in my attempt at cheese made in my attempt at cheese making was to mix the citric acid, as well as dissolve the trennet table in tap water. Unlike the Rancks, I have chlorinated city water. It's essential to use *un*chlorinated water, preferably distilled, to make these ingredients liquid. The Rancks get their rennet and other cheese-making sumplies from Miller's Natu-

supplies from Miller's Natu-ral Foods in Bird-in-Hand. But they can also be ordered from the "Cheese Queen" herself at www.cheesemak-

from the "Cheese Queen" herself at www.cheesemak-ing.com.

As for utensils, the Rancks have found a 'double-boiler works best for them.

"With our electric range, we found we had hot pockets, so using the double-boiler shields the temperature from spiking," Fleming said.

Measuring that temperature is also important. You'll an end a thermometer that treads between 80 degrees to to twing it, 85 degrees fleels luke-warm and 103 is hot but tolerable.

You'll also need a knife, a dolander or slotted spoon and armicrowave-safe bowl.

#### m THE PROCESS

Making cheese is like making bread — it's a simple process, but you need to gain a feel for it to be successful. I found another of my rookie mistakes was impatience. Waiting for the curds and whey to separate, and then Waiting for the curds and whey to separate, and then to coagulate, is essential. I was stirring too much, hence the ricotta-like results. When my apprenticeship yielded a white cheese mass separate from the clear whey, I was thrilled.

"If you take the curds off

thrilled.
"If you take the curds off too early, they'll be too soft. If they're heated too much, they'll melt," Fleming cautioned. "You want them to be just firm enough."

tioned. "You want them to be just firm enough."
Then the fun began as we kneaded the piping hot mozzarella like dough, stretching it like taffy, and popping it in the microwave to ensure it stayed hot through the process. We molded it into a glossy round and sprinkled it with salt For special occait with salt. For special occa if with saif, For special occa-sions, the Rancks will braid it or form other decorative shapes. We enjoyed it fresh and still warm on plain crack-ers so they wouldn't over-whelm the delicate, mild taste.

### Cheese

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