plumbing pipes, eventually plug-ging them. Minerals also can dam-age hot water heaters and make laundry detergents less effective. build 67 along with other minerals often give drinking water the fresh taste or softball and hardball, but some consumers are hard pressed to remember exactly what softened hard the water. A measurement of less than 1 grain per gallon or 17 parts ness by calculating how much calcium carbonate is dissolved in If calcium and magnesium are at high levels, the minerals will build up on surfaces such as water is, says an engineer in Penn State's College of Agricultural the report per million means that the water supply is soft. Robillard offers a table of hard water values. (See Robillard explains that water abeled "soft" or "hard" depends solely upon the levels of two soluble minerals — calcium and All you ever wanted to know about water softening health standpoint, calcium and detergent film on pots and fix-ures or whether the water makes neir hair more silky and man-geable," says Paul Robillard. Slightly hard Moderately hard subscriptions, classified ads, and display ads. For maximum convenience, Call our office at 675-5211 with your account and we will set you up immediately. Just Say, Hard Very hard Water Soft Enginee The Post now accepts Visa & Mastercard for all of your "If you have your water tested report will use one or both o don.whether the water le or most people, their defini of hard and soft water is "CHARGE values to determine how the water supply is." iate professor of agricultural sium have no sium — in the water. ntial daily nutrients softwar s measure water hard "Both mineral: one or both ind hardware The Dallas Post he differen 675-5211 1.0 to 3.5 3.5 to 7.0 7.0 to 10.5 greater than 10.5 Spring Home & Yard Grains per gallon less than 1.0 "From tion timers or demand-control models outfitted with regen-eration sensors. "Timer models. work best for households that have regular water use cycles, but they can waste water and salt because they regenerate whether the resin needs it or Robillard says. "Once you deter-mine the hardness level of the water, you either can live with it or treat the water to reduce the mineral content." eners require regular mainte-nance to function properly. The resin can develop bacteria or fungi, or become clogged with mud. Iron deposits can clog the positively charged sodium ions. As water flows through the unit, the resin exchanges its sodium ions for the positively charged calcium and magnesium ions. says most homeowners can choose between softeners that have programmable regenera-tion timers or demand-control exchange works by filtering water about water softening is that it has nothing to do with purifying, cleansing or conditioning the not, capacity in hardness minerals the water softener must regener when the resin has absorbed its throu Master Card "Regeneration works by backwashing the resin with a brine solution that flushes out ate its ion exchange capacity resin as well. Robillard zeolite. The resin is coated with sand4ike material called resin Water can be softened by a ocess called ion exchange. Ion The main thing to remember out water softening is that it -Kinds alcium and magnesium ions igh a synthetic he says. -120 to 180 Greater than 180 17 to 60 Parts per million 60 to 120 less than 17 ance. All water softofteners. Robillard natural The Dallas Post

water," Robillard emphasizes. "It merely removes minerals that can be a nuisance."

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Softened water is an advan-tage if homeowners experience soap film on pots, utensils and skin, or find that detergents are not cleaning up to expectations. "Softening technology can be de-signed to bypass toilets and out-door fixtures that do not require

to 8 milligrams per quart for every grain per gallon of minerals re-moved, which can be a health risk for people on low-sodium diets. "The final sodium level would be higher than 7.5 milligrams per quart after treatment," Robillard points out. "Depending on your soft water," Robillard says. Water softening does raise the sodium level of water to about 7.5

If consumers choose to soften water, Robillard recommends that the water be tested by an inde-pendent certified laboratory. "Water tests are not expensive and the results can help you resist buying softening equipment you may not need," he says.

water source, you may have to filter the water as well, before it enters the softener."

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Stephanie, Grand Rapids, Mich. "Similar to finding a doctor or dentist, you need to locate some-one who is capable of completing the job, but who also meshee these questions, and bring them with you when you visit the kitchen/bathroom planner. They will play an important role in the design of your new space.

After you choos The Completion

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Designers (CKDs our area who can

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signer will visit your home to take precise measurements. He or she will also spend a great deal of time interviewing you to discover the exact type of style of kitchen or bathroom you desire. Then, a

have found the

See PROJECTS, pg 11

you



Working with a professional designer, you can create the bathroom or kitchen of your dreams, no matter how complicated the project may seem.

