

Farmington Housewife Turns Lab Into A Real Turned-On Place

Putting her female ingenuity to work for Chrysler Corporation, Evelyn Simon, of 32777 Grand River, Farmington, has

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made the engineering laboratory in which she works a turned-on place.

Bulbs used in tail lamps, headlamps and other lighting fixtures in Chrysler-built cars light up inside a device designed by Mrs. Simon for scientifically measuring candlepower.

A physicist with a masters degree from the University of Pittsburgh, Mrs. Simon works as a product development engineer in the company's exterior lighting department.

Using the spherical photometer, Mrs. Simon and her engineering colleagues ascertain that the bulbs used in exterior lamps ranging in size from one-half candlepower to signal indicator lamp bulbs to 50 candlepower cornering lamp bulbs meet the light output requirements specified by various state and federal agencies.

Each bulb is lit up inside the reflective surface of the spherical photometer. The light shining through a window in the globe device is a measure of the total candlepower and is recorded by a photocell mounted in the window.

MRS. SIMON joined Chrysler in 1964, the same year she came to Detroit with her husband, Fred, who is a financial analyst with a Detroit firm. The couple married while she was attending Barnard College, Columbia University, where she received a bachelor of arts degree in physics in 1963.

Assisted in physics. In her native Brooklyn, Mrs. Simon was an all-A student in high school and worked at various part time jobs to help support herself from the time she was 15.

Mrs. Simon now divides her time between two careers, as an automotive engineer and as a housewife. In her spare time she likes to play bridge.

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HER CANDLEPOWER measuring device looks like an earth satellite mounted on a stand and is called a spherical photometer. It is just one of the ideas she has suggested to assure that the customers of Chrysler Corporation get the proper lighting systems on the cars they buy.

THE CHRYSLER engineer's creative work includes the development of future exterior lighting proposals for some of the company's models. She also is responsible for seeing that next year's lighting fixtures fit properly to the car, that they can be assembled on the production lines without undue difficulty, and that they will be easy to service.

Awarded an Andrew Mellon pre-doctoral fellowship in physics at the University of Pittsburgh, Mrs. Simon received a master of science degree in physics from that institution in 1964. While a graduate student she served as a teaching



CANDLEPOWER, NOT CANDLELIGHT, is the main concern of Evelyn Simon, at least during working hours. Mrs. Simon, of Farmington, a product development engineer for Chrysler Corporation, designed and developed the large hinged ball (she calls it a spherical photometer) shown above which she uses for measuring candlepower of light bulbs used in the various Chrysler-built cars and trucks. By placing a bulb inside the sphere and then closing the hinged halves, it is possible to measure precisely the candlepower of the bulb being tested by means of a photocell which catches the ray of light from a small hole in the sphere. The measurements enable Mrs. Simon and other Chrysler engineers to make certain the bulbs used in Chrysler-built cars and trucks meet all the legal and safety requirements specified for each bulb's use.

Want Wild Cherry Look? Try This New Zinnia

Wait 'till you see Wild Cherry in your garden! It's a new zinnia with new and luscious coloring. Indeed, there's something about the color, unique among zinnias, that attracts people to the plants, even from yards away.

To get an idea of what Wild Cherry will look like, first imagine vigorous, bushy plants growing about two and a half feet high. As they grow in your mind's eye, add many strong, sturdy flower stems, each one topped with several buds that open, one after another, into five to six-inch-wide, many petaled, cherry-rose blooms.

Like all zinnias, Wild Cherry performs best when seeds are sown where plants are to bloom. This should be in a sunny place in your garden.

Sow the seeds sparsely. If some come up too close together, try to transplant those that are crowded, leaving the unmoved seedlings 16 inches apart. Don't waste a single plant for the seeds are in short supply this first year of introduction. For this reason be sure to buy them early.

Get the picture? Now just transplant it and see it in your garden this coming summer. You can point out Wild Cherry as a super variety for it has won a silver medal in the All-American Selections trials.

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