## Life in The Valley



Barry Wise came home to Manson in 1995 to cofound Eigenvector Research Incorporated with his narraer Neal Gallagher. Wise takes a moment to relax in his home office with dapoher Mattie

## They've got chemistry

Local business reaches across the globe. wins international award in chemometrics

of statistical and mathematical meth-

eds for dealing with chemical data.

Companies around the world run

by Celeste Thomas If you're looking for Chemistry 101, you took a wrong turn. In this home office overlooking Lake Chelan, high-tech scientific and walls like Ping-Pong balls Chemometrics.Ping. Bioinformatics. Pong. Eigenvector And what in the world is an Electrivector? According to Webster's Dictionary, it's a "nonzero vector that is tion of a vector space onto a vector that is the product of a scalar multielied by the original vector." Try say,

ing that three times fast, and you may definition in Manton. It's a business name, Plain and simple, Bigenvector cofounders Barry Wise and Neal Gallagher consult with and munch data for big-name companies like Dupont, Exxon and Texas Instruments. They developed and sell specialized correster software and teach

their skills across the globe.

What we do is exciting to us but chemical tests on their projects. They buffling to a lot of people," says Wise, who grow up in Manson and came back flow rates, light and pressure, sendhome in 1995 with four decrees in ing the results to Eigenvector Rechemistry and chemical engineering In the past six years, Wise and Gallagher planted their company's roots in the valley, following the path of Wise's grandparents who homesteaded Union Valley. One of Wise's grandfathers owned the looping mill where Old Mill Park now stands. Another walked the wooden flumes that used to carry water from Antilon Lake to the valley orchands Now Wise and Gallagher travel the parry has associates in several fereign

countries, including Norway, Denment. Pulling samples from the air, the nose passes them through its sen-sors and determines which hazards are Wise recently won an international award for his achievements in present. Wise and Gallagher beloed analyze chemical data during the Chememetries is the application

Eigenvector Research's software

reduct. PLS Toolbox, has over

search via computer, Wise, Gallagher and another employee in Michigan look at the measurements, analyze This is where chemistry, mathematics and statistics all come to gether," says Wise, "We turn numbers Diagnovictor Research works with a variety of companies. They've consulted on projects including a glucose quence data for improved food clones

Working with a program called Matlab, the software is widely recognized for its use of cutting edge chemical data analysis methods. Workers in finance, geology, chemistry, pharmaceuticals, petrochemicals and consumer products use igenvector Research's software. wrote an employee from Dispont in an e-mail to Wise. "We still murvel.

on lazy afternoons, about how it all Wise and Gallagher also offer

hands-on training in chemometries and related software, teaching abroad. This year, Eigenvector Research will held courses in Chelan, Detroit, Banff, Canada, and Copenhagen, Denmark

team first met at 8:29 a.m. October 1. 1985. It was the first day of a gradu-Wise came in the room and hollered something about taking turns 1,000 users in over 35 countries. buying denuts each morning, remem-



efits to working from home, he says. One of the challenges is that my sors. The good thing is I get more

hugs." Working from Manson is a mixed hay too "We're doing corrething up enjoy doing in a place we like to live. But the rural setting has its draw

backs. When the men warred to reco computers for this week's conference, no one in the nerico had ma chines powerful enough. They had to from Seattle. Air travel from the area is undependable too, adds Wise. And communications are a challenge. "When we set up our business there just wasn't any kind of a road map as to how to do it." he says "The

phone company didn't have much ex-Eigenvector Research moves hope amounts of data between their Manson home offices and the rest of the world. When they installed their compater server four years ago, they moved about one menabyte of inforwith some days escalating over 100

megabytes. Wise and Gallagher keen their fin over crossed that the new PLID fiber estic plan will improve communica high-tech businesses move to the val

There are very few people who bers Gallagher, as he sips coffee from a mug with a Far Side cartoon on its see anything other than tourism as an alternative to agriculture," says Wise That's frustrating. You can't present yourself only as a tourist town But the two men bonded over He womes about quality of life countions and calculations, ball games and a trip to Stehekin. In the issues and wonders if enough attensummer of 1987, they took a 44-day tion is being paid to the locals' needs road trip across the country, cover Things like a community awimming ing 7,000 miles on the enound and

pool would be great," he says. "We all want a nice place to live, and liv-"That's when we knew we could ing in only a tourist town just isn't that having our own business was in our prove. Wise and Gullagher would like Both men had entrepreneurs for

to see the valley promoted as a hightech Mecca. They also see Eigenvector Research expanding. They'll introorchardist and Gallagher's ran a plumbing company and helped found duce their second software applicadozen people working for them After both men carned their Ph.D.'s, they worked a short time for within five years. I think we sound like pencil-necked

started Eigenvector Research. Their greks," laughs Wise from his home office. "but we have a great job. We first contract was a consultation onniect with Texas Instruments, helplike what we do, and we face a coning them refine their computer chip stant stream of new and interesting Six years later, both men work Find out more about Econoroctor

from offices in their Manson homes. Research at www.eigenvector.com



twice that in the air

a company named Battelle. Then they

moved to central Washington and