Dogs may be man's most loyal com-panions, but they're also his most un-derestimated chums, agree the training director of a dog obedience school in Farmington, and the head trainer at Rochester's Leader Dog School for the Blind.

Rochester's Leader Dog School for the Billnd.

"I'll admit dogs make lousy plano players, but through repetition, you can basically teach them to do anything," said Dennis Allison, who heads the Detroit German Shepherd Dog Obedience Training Club at Farmington's American Legion Rull.

"There's no dog we won't accept, registrates of its breed. They say you can't teach an old dog new tricks, but you can. It just takes a little patience."

Allison has seen it happen.

"At the end of a 12-week class last year, a rambunctions f-year-old German shepherd with no former obedience training achieved a ranking among the lop five of her peers.

"The dogs they train constantly amaze both Allison and Lange, who teaches German shepherds, Labrador and golden retrievers to "see" for their bilind masters who come to Rochester



Leader Dog directors try to match personalities of a dog and its owner. Edgar Bruegge-

scientific spectrum

from all over the world.

"You can't state a sentence to a dog."
You can't say, 'Duke, would you take'
me to Sam's Restaurant?' or, 'If you see:
a Yellow Cab, tel me know.

"It's all Greek to him. These are
things he just can't do, But a dog will
get to know key words."

A blind person who every day says to
a leader dog, "let's go to work," is
teaching it to associate a bus with a
certain corner, Lange said.

"BELIEVE IT OR" not, the dog by hearing that same bus over and over will get to know that particular bus. "And this is something that theoretically is impossible, but we've had blind people tell us that after a year on a bus, the dog will start getting up and anticipating that it's time to got off. There has to be something that tips him off—a bump in the road or something. It's something that can't be put into words."

sometimes words."

College students have told Lange their dogs get to know their schedules, classrooms and campuses.

"It's remarkable how they pick up these patterns," he said.

PSYCHOLOGISTS NOTE that the brains of dogs and humans bear considerable resemblance to each other.

"Dogs" brains have a left and right hemisphere, just like the human brain. Essendially they have the same kinds of parts and structures.

"But as far as the size, interconnections and relationships among them, we have lot so learn," says a University of Michigan assistant professor of psychology.

Michigan assistant professor of psychology.

That fact partially explains why 'more people have dogs than cats as pets, he said.

"In their natural state, dogs' ancestors lived in social groups where communication skills were very important. We also know that humans, 12-14,000 years ago, started to domesticate dogs for certain traits."

Dogs probably surpass humans with respect to their olfactory and homing abilities, he added.

ALLISON LIKENS dogs to people.
"Some people learn quickly, while others take more time. But eventually they'll get it. A few dogs are a little more, shall we say, hardheaded or



Thursday, November 18, 1982 O&E

Golden retrievers or German shepherds are primarily used as leader dogs not because those breeds are the most intelligent, says

stubborn, but they come around.
"No particular breed is an absolutely dumb dog, added Allison, whose club has trained more than 95 percent of all catallands breeds."

cxisting dog breeds.

CANINE CREATURES and human ones resemble each other in still other ways, says Lange.

"Every time a dog performs properly, he wants to be praised. It's the same thing as reasing a child. Through conditioning, you let them know what's right and wrong."

Dogs' emotions are a subject shied away from by most psychologists and physiologists. But Lange aces evidence every day that dogs have feelings. Like their masters, dogs vary in the amount of affection they show and require, he says.

quire, he says.
"You can see a sadness there when a

"You see the dog in a state of dejec-tion. He's demoralized and wondering, 'why is my master disowning me?'

We also try to place people with dogs that match their personalities. Dogs, like people, respond differently to loud and soft voices, have slow and fast gaits, and are different heights and weights."

LANGE'S FONDEST wish is that dogs could read,

dogs could read.

"That would be beautiful," he said.

"But there's no limit to what a dog can learn. One of the biggest mistakes mankind makes is that we underestimate dogs. What you do with your dog determines how intelligent or how much responsibility the dog will assume during its lifetime.

"The person that's at the end of the leash must be smarter than the dog, otherwise that dog's going to outfox you."

trainer Ed Lange, but because they're of accommodating size and adapt well to all climates.



Like humans, dogs' brains are divided into right and left hemis-pheres and, like us, they learn better if given praise and encourage-ment. Jeanne Bennett and Jose A, Rodríguez, try to put that into

Michigan jobs and water may soon be flowing south

By Diane Hotsess special writer

special writer

Michigan will sell Great Lakes water to needy
southeastern states, say Great Lakes research experts. The sale may be 15 to 20 years downstream,
that it will happen.
Despite the growing importance of the Great
Lakes, federal funding for research and development of the Great Lakes has been drastically re-

Lakes, federal funding for research and development of the Great Lakes has been drastically reduced since 1981.

For subtraban Detroiters and other Michigan residents, diversion of the Great Lakes could mean a decreased likelihood that Industries would relocate to Michigan.

The resulting lower-lake levels from diversion would translate into higher prices for shipped goods, a smaller 18th population, less water for recreational use and long-term changes in the Great Lakes ecosystem. Shipped goods would cost more because freighters would have to reduce their loads for shallower water.

"YOU MIGHT as well pipe jobs out of the state," sald Tom Nalepa, a Great Lakes researcher and marine biologist. "It Industries can get the water piped to them, they don't need to come to where the water is."

On the benefit side, diversion would bring reve-

piped to them, they don't need to come to where the yawter is."

On the benefit side, diversion would bring revenues into the state from the water sales. How much, though, is unknown.

"I've not ever seen a price put on the water," said Professor John Bulkley, who teaches civil engineering at the University of Michigan in Ann Arbor. Bulkley was one of 40 people who worked on the task force established by former Michigan Governor William Milliken in November 1981. The task force was set up to study the cost of building a conveyor or structure that would transport water from the Great Lakes to the Missouri River Basin.

The task force estimated the project would cost 181 billion, but they did not work on establishing a water price. "I don't know that anybody has," he said.

19 billion, but they did not work on establishing a water price. "I don't know that anybody has," he said.
ANOTHER GREAT LAKES research scientist, Mike Quiqloy, said many southwestern states do not have the fresh-water supply they need to support their agricultural, industrial and expanding population needs. So these states are looking to the Great Lakes, which contain 95 percent of the nation's and 20 percent of the world's fresh-water supply, for solutions to their needs.

Dr. Frank Quinn, head of the Lakes Research Group, said, "Diversion won't come about for 15 to 20 years. And when it does depends on the amount of water deficits in Colorado and the Sun Beli mainly (California and Texas) and how fast water in used there."

He said political decisions would also have a bearing on when diversion starts on a large scale. Some Great Lakes diversions have already taken place. On the Canadian side of the Great Lakes, place. On the Canadian side of the Great Lakes diversions have already taken place. On the Canadian side of the Great Lakes diversions have already taken place. On the Canadian side of the Great Lakes diversion have already taken place. On the Canadian side of the Great Lakes diversion have already taken place. On the Canadian side of the Great Lakes diversion that was the control of the contro



Political decisions about diverting Great Lakes water and decisions whether the resource belongs to the state or the federal government will be made by the end of the century, accord-ing to the head of a state task force.



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