

Geologists to begin sandhill dig Aug. 1

By Deanne Nelson
Staff Reporter

University of Nebraska-Lincoln geologists will begin drilling in the sandhills of eastern Sheridan County early next month.

The group of scientists, led by Duane Eversoll, associate professor of geology, will drill from Aug. 1 through September.

Eversoll, also assistant to the director of UNL's Geological Conser-

vation and Survey Division, was awarded the \$90,000 grant last month by the Nebraska Natural Resources Commission.

Under contract with the NNRC, Eversoll will look for below-the-surface clues to the makeup of the underground and what it contains.

He said the geologists will look for underground formations of rock and sediment "from the surface on down." Eversoll cited Pleistocene sediments, the Ogallala formation, the White River group and Pierre shale as possible formation finds.

These layers of ground are found in the above order and will tell the drill-

ers about past geologic processes in Nebraska which made the surface what it is today.

These formations can be found by digging holes between 200 and 1,480 feet deep, Eversoll said.

UNL researchers will also be measuring water levels in the sandhills for future use by hydrogeologists in preparing hydrogeologic and geological maps, he said.

The NNRC will use the maps and information "for groundwater monitoring, to construct groundwater models and to project the future impact on irrigation and aquifers," which are underground water tables,

said Ali Tabidian, hydrogeologist at NNRC. This groundwater measurement can aid farmers in predicting how much irrigation will need to be done, Eversoll said.

"We use the details from the drilling extensively" in making hydrogeologic maps, Tabidian said.

This information is also used by the Natural Resource Districts in the county where the holes were drilled to "help them manage the groundwater aquifer and to see how much water could be stored," said Paul Zillig, assistant manager of NRD in Lancaster county.

Nebraska is "one of the leading

states" as a result of the quantity of test hole drillings and research done, Eversoll said.

For the past four years, Eversoll, in cooperation with the Geological Conservation and Survey Division, has been a participant in the drillings.

Since drilling started in the 1930s, 4,420 test holes have been dug in Nebraska, he said.

After drilling the holes, detailed geological logs are made, describing the materials encountered in those test holes, Eversoll said.

After this analysis has been made, the holes are then sealed and filled, he said.

500-year-old book perpetuates learning

BOOK from Page 2

lum" is a Latin term for any book printed before 1500. Love Library has 30 incunabula, he said.

Written in 1493 by Hartmann Schedel of Nuremberg, Germany, "The Chronicle" was published by the printing house of Anton Koberger in Germany.

Svoboda thinks quite a few copies still exist. When it was first printed, there were 1,500 copies in Latin and 1,000 copies in German.

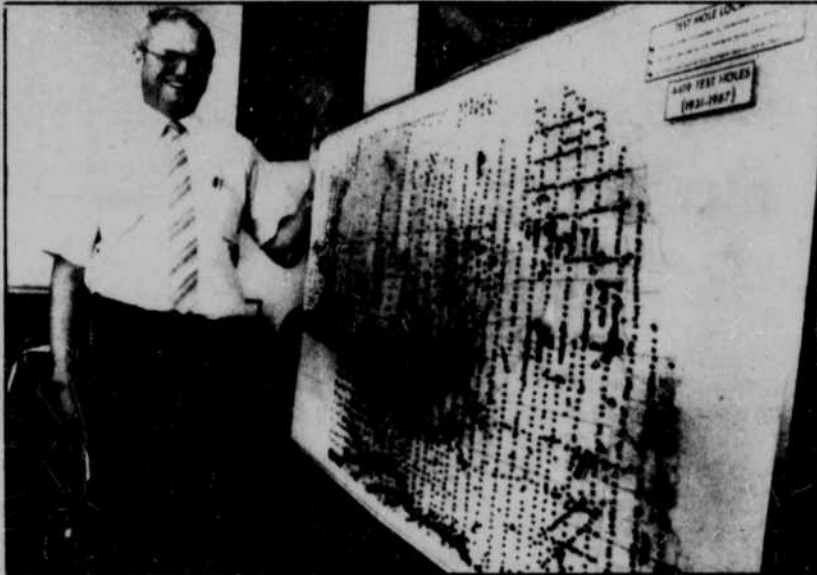
Love Library's copy is written in church Latin, he said.

"This Latin is easier to read," Svoboda said. He said any person that can read Latin could read the book, but that the script makes it difficult to read some of the words.

Albrecht Durer, the painter of "Adam and Eve (The Fall of Man)" (1504), is said to have worked on the book's illustrations while still an apprentice to the artist Michael Wolgemut, Svoboda said.

Svoboda doesn't know how the university acquired "The Nuremberg Chronicle," because documentation on the acquiring of books was very limited years ago, he said.

"It was probably a gift (to Love Library) 50 or 60 years ago," he said. There is a note penciled in the margin stating "The Chronicle" was sold to Goldschmidt and Co. on Feb. 14, 1924, for 13 English pounds.



Connie Sheehan/Daily Nebraskan
Duane Eversoll, UNL geology professor, stands next to a geologic map.

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