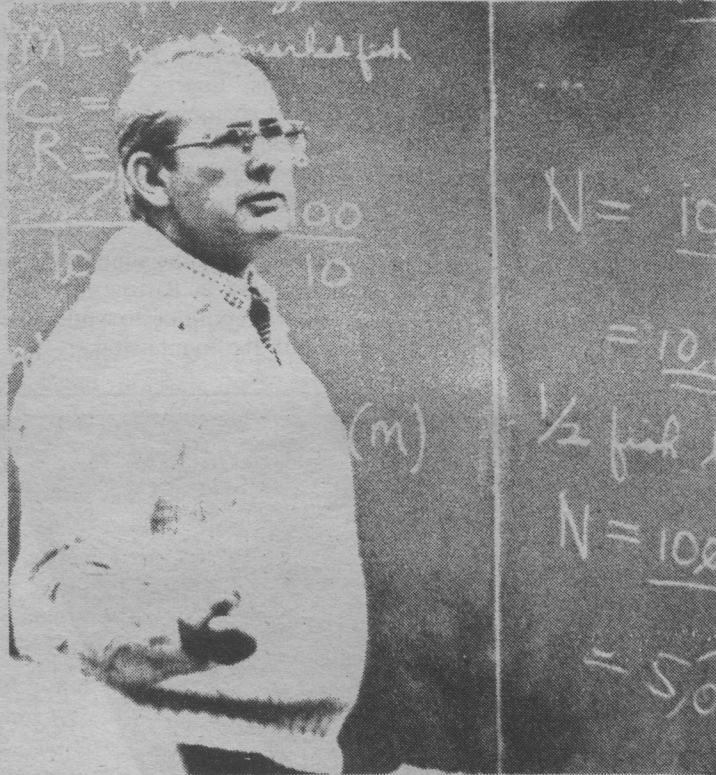


# Biologist teaches at Mountain Village



Dr. Reynolds showing a high school class how to estimate fish populations.

By M. GATES

Dr. Jim Reynolds, a fish biologist from the University of Alaska at Fairbanks, visited Mountain Village Middle and High Schools on January 29 and 30, 1981. He was one of several scientists that are taking part throughout the 1980-81 school year in the Scientist-in-Residence program.

Dr. Reynolds taught a variety of classes the two days he was here. He explained what happens to the life in lakes and ponds during the winter, and how oxygen and other substances are circulated in the water in the fall and spring. He also explained about acid rain, and he met with an Upward Bound Class. In that class he told what fish

biologists, and other biologists also do and told about college in general.

Dr. Reynolds brought sample fish tags with him and explained how fish are tagged and why it is important for scientists to do this. Then the students tagged other "fish" (students) with magic markers and were able to estimate the total enrollment of the school by just counting a few marked students. This way the students learned how scientists can estimate the total fish populations by tagging just a few fish.

Another interesting thing Dr. Reynolds showed was how a fish's age can be determined by its scales.

He brought several different kinds of scales, and the students were able to age those fish. Then, as a final activity, the students were able to determine how large a fish was at any time and how fast it had grown.

The movie "Quest for Grayling" was shown by Dr. Reynolds to the public Thursday night and a discussion was held afterwards.

Dr. Reynolds was the second scientist to visit Mountain Village this year. Dr. Neil Davis, a geophysist from the University also, was here last fall, and the students are looking forward to more visits by other scientists for the remainder of the year.