

# School Reorganization Benefits Underscored By Top State Official

"County-wide reorganization would give Klamath County a flexible school system in which both students and teachers could be moved to make the best use of space and to alleviate overcrowded conditions," James Turnbull, deputy state superintendent of public instruction, said last week in an exclusive interview at the Herald and News.

Turnbull was in the city last week to meet with the county school board. He also attended the joint meeting of the Klamath Falls Citizens' Committee and the three county school boards.

The deputy superintendent told the Herald and News he has been interested in reorganization for a long time as a possible solution to recurring problems that plague the school administrators.

"There is always the possibility of duplication when there are several school districts in a county," Turnbull emphasized. "Populations shift leaving empty class rooms in one district while they overflow the space in another district," he said.

One of the benefits of a single county district is more equitable distribution of the tax load, the Herald and News was told. "Tax resources in general are conserved when the entire county sets up a single school plan and works toward it," Turnbull said.

From an educational standpoint, the single district answer seems to have countless possibilities," Turnbull stated. Students could enjoy a greater diversity of instructors and teaching methods. Systems such as team teaching might be employed. A specialist in science, possibly, could give the benefit of his skills to children in the entire county instead of just students in one school.

This specialist, with a team of assistants, could move from school to school on a planned schedule thereby giving a greater number of science students the benefit of his knowledge.

New innovations such as the use of classroom television could be taken advantage of in the larger districts. "New methods of instruction such as TV are expensive," Turnbull emphasized. Only the larger district could make such a system economical. The more children in the district the larger the tax base to pay for the system," he stressed.

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## Scientists See Order In Particles

STANFORD, Calif. (UPI)—Scientists who know the names and numbers of players on the team of nuclear particles may soon be able to figure out what particles they play.

In fact, they may be able to predict who will be coming out for the team.

University of California scientists Dr. Sheldon H. Glashow and Dr. Arthur H. Rosenfeld told the American Physical Society conference today that recent discoveries suggest the possibility of a sort of chart for these particles as was set up for chemical elements in the last century.

Presently there are 70-odd nuclear particles that have been discovered but not classified. If the new theory works out, it could bring order out of the chaos that has been created by the discovery of these particles in increasing numbers in recent years.

When the "periodic chart of the elements" was discovered last century, it led to identification and prediction of the elements by relating logically the ones already found.

The new theory for nuclear particles, if verified, might do the same sort of thing.

The new discoveries appear to bear out a theory proposed independently about a year ago by Dr. Murray Gell-Mann of the California Institute of Technology and Israeli Army Col. Y. Neeman.

The new theory for nuclear particles is a system of arrangement called the "eightfold way." This term is used because more of the particles fall into groupings of eight than any other. There are four groups of eight particles, one singlet and one collection of 10.

Essentially, the same particles occur at higher energy states, their characteristics being the same as at lower states but with a higher spin so that they have a greater mass.

With such a system it is possible to predict new and undiscovered particles if they exist.

Experimental work at the Lawrence Radiation Laboratory during recent months seems to confirm the "eightfold way."

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