

Scientists May Create Chart for Nuclear Particles

Stanford, Calif. — Scientists who knew the names and numbers of players on the team of nuclear particles may soon be able to figure out what positions 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.

Not Classified

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. Ne'Eman.

The new theory for nuclear particles is a system of arrangement called the "eight-fold 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 recur 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 "eight-fold way."

The physicists are meeting in a three day joint session with the American Geophysical Union in a conclave which will bring more than 1,200 scientists and engineers to the campus to hear more than 500 papers read on scientific subjects.

Car Thief Eludes Police in Portland

Portland — A car thief eluded police in Portland early today following a high speed chase from near Woodburn.

Police said the car was stolen from a used car lot in Salem.

One officer who nearly stopped the car had to give up when a tire blew out.

State, Multnomah county and Portland city police participated in the chase, which reached 120 miles an hour.

The chase ended when the thief crashed the car off the Beaverton highway, jumped out, fled on foot and disappeared.

4-H News

Eagle Point Cookers

The first meeting of the Eagle Point Cookers 4-H club was held in the Eagle Point High school home economics room recently.

New officers are Susan Stewart, president; Erlene Northrup, vice president; Regina Krambeal, secretary; Leslie Krambeal, reporter; George Kennedy, song leader, and Alyce Krambeal, game leader.

Our club voted on having 25-cent dues for club utilities.

We have six new members, Karen Greb, Alyce Krambeal, Dean Cattalachi, Susan Stewart, Sharon Hater and Lynda Hater. We hope to have more in the future.

Our Christmas party was held Dec. 22. We were glad to accept a new co-leader to our club, Mrs. Clair of Shady Cove. We are also glad to have Mrs. Hayes back.

Leslie Krambeal, Reporter

Antelope Beef Club

The Antelope Beef 4-H club met recently at the Eagle Point Grange hall.

The main agenda for the evening was the election of officers. They are Mark Hansen, president; Regina Krambeal, vice president; Lester Hill, song leader; Eugene Stanley, game leader, and Jim Hubbard, reporter.

We will weigh steers Dec. 27.

Jim Hubbard, Reporter



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