



THIS PHOTO SHOULD BE IN COLOR AS THE THUNDER-egg is made up of delicate shades of browns, blues and white. It belongs to Hubert and Ruth Peterson who found it in the Red Beds about 27 miles northeast of Harper. It measures approximately eight inches across. The Petersons also have a 490 - pound thunder egg on display at Harry's Rock Shop in Nyssa. — Staff Photo.

EVENTS AROUND ADRIAN

BY PAULINE MACKEY PHONE 372-2724

ADRIAN — Mr. and Mrs. George Cartwright attended a July 13 Eastern Star picnic at the home of Mr. and Mrs. John Harms at Vale.

Don DeHaven and family of Coos Bay, Mrs. Tom Powell and daughter of Sacramento, Mr. and Mrs. Bruce DeHaven and family of Springfield, Mr. and Mrs. Larry DeHaven and family of Chemult, Ore., were weekend guests of their parents, Mr. and Mrs. George DeHaven. They all attended the July 12 wedding of Vicki DeHaven and Jim Mosier. Mr. and Mrs. Ernest Mosier, Bill and Linda of The Dalles were July 10 evening dinner guests of Mr. and Mrs. George DeHaven. The following evening the Mosiers gave a wedding rehearsal dinner at the Moore hotel in Ontario.

Mr. and Mrs. Robert Long, Mr. and Mrs. Al Thompson and Mary Looney drove to Burns July 13 when they met Mr. and Mrs. Al Goff and sons of Lake-

view. The boys returned home with their grandparents for a two-week visit.

Mrs. Anna Hamilton of Nampa, who had just returned home from a trip to Missouri, visited July 10-11 with her son, Mr. and Mrs. Don Hamilton.

Mr. and Mrs. Eugene Docktor and family of Ione, Ore., were July 10 evening guests at a barbecue dinner at the home of Mr. and Mrs. Bob Webb and Melanie. Tammy Jo Docktor remained as an overnight guest. July 13 afternoon visitors at the Webb home were Mr. and Mrs. Bill Van Dewater and daughters of Fruitland.

Mr. and Mrs. Jim Jones of Nyssa were July 12 overnight guests of Mr. and Mrs. Westley Walker Jr.

Mrs. Oliver Freel visited July 9 in the home of Mr. and Mrs. Sam Davis at Caldwell. Their daughter, Mrs. Martin Kiesow of Reedsport was a visitor there.

Pollution Can Be Aided By Warm Water Project

Warm water from nuclear power generation plants and industrial plants may soon eliminate much of one source of air pollution -- smoke from smudging of orchards during low temperature periods.

A project now underway in Oregon -- the first of its kind in the U. S. -- this year has been testing the effectiveness of hot water mist in protecting orchards from freezing temperatures.

Orchards on six farms in the Springfield area are being used for demonstrations of the control of temperatures with hot water and studying of the effect of warm irrigation water will have on the production of fruits and row crops.

Bona fide farms, rather than experimental plots, were selected for the demonstrations because it was felt they would give a truer picture of the value of hot water irrigation in crop rotation and make possible the use of field - size irrigation systems in the demonstrations. The project is a cooperative effort of farmers in the Spring-

field area and the Eugene Water and Electric Board. The Oregon Department of Agriculture has been working closely with them on the project because of the potential it could offer in further development of the state's agricultural resources.

Warm water that has reached temperatures of from 95 to 114 degrees as it is used in the process of cooling mill equipment, is being pumped to the demonstration farms from the Weyerhaeuser paper mill at Springfield. Three pumps are being used. One pumps 500 gallons of water per minute and two are capable of pumping 1,750 gallons per minute.

While industrial water is presently being used for the project it is also being geared to the use of water used in the cooling of reactors in nuclear power generation plants expected to eventually be used in providing electrical energy for the expanding economy of this country.

For the frost control program an overhead sprinkling irrigation system is used. Sprinklers giving off a fine mist at the rate of 1.9 gallons per minute are spaced 40 feet apart at staggered settings in orchards.

They first went on the line March 21 of this year and the first test in frost control was March 24 when the temperature dropped to 28 degrees. Water that was 110 degrees at the pumping station was down to 70 degrees in the field and limbs up to two inches in diameter had solid icing, while larger limbs were iced except on the south and southeast side, which was dry. At none of the times when temperatures dropped below freezing during demonstrations was there frost damage to fruit.

For the demonstrations the sprinkling system is equipped with a frost alarm system that even gives a warning of the movement of cold air pockets into the area. The alarm is actuated when temperatures get down to 35 degrees. Each orchard has a standard weather bureau shelter with a weather bureau pattern maximum and minimum thermometer on a Townsend support and near each shelter is a Townsend support that holds an open bulb minimum thermometer.

The 170 acres of farm land used for the demonstration are located on the McKenzie River. This has made it possible to draw cold water from the river for a second smaller irrigation system that will also be used in the demonstration so a comparison can be made to the effect of cold and warm irrigation water on crop production.

The demonstration project is slated to run for three years with the estimated cost \$1,000,000 and funds coming from the Eugene Water and Electric Board and the Federal Water Pollution Control Commission. Vitro Corporation of America, which has offices in Portland and at Richland, Washington, has the responsibility of managing the project, with Jack Hansell, who was at one time with the extension service, the manager of the project.

BANKAMERICARD GROWS IN USE AT RAPID PACE

BankAmericard has reported a 155 percent sales increase for the first half of the year, and stunning 179 percent and 159 percent gains in cardholders and merchant outlets throughout the nation.

As of July, more than 22.9 million people were listed as cardholders in the BankAmericard program, compared with 8.2 million a year ago.

Business outlets accepting the card for purchase jumped from 211,000 to over 548,000, and the number of banks in the nation participating in the BankAmericard program climbed to 2,900 from 580.

Sales at mid-year reached \$755 million, compared to \$295 million for the first half of 1968.

In Oregon, the state's two largest banks, First National and U. S. National reported sales of \$29 million during the first six months of 1969, an increase of \$13 million over the \$16 million total at a comparable date last year. Merchants in Oregon who honor the all-purpose credit card increased from 10,000 to over 12,000 during the same period.

Since last July BankAmericard has added 12 more states to its geographical coverage, bringing the total from 32 to 44; and expanded its international coverage to 12 foreign areas including an interchange agreement with Mexico's Bancomer credit card. It is also interchangeable with Barclaycard in Great Britain, Ireland, Malta, Gibraltar, South Africa and the West Indies; Chargex credit card in Canada; and the Suotomo card in Japan. In addition, it is honored by merchants in Hong Kong, Guam, the Virgin Islands, Barbados, Curacao and the Dominican Republic.

By the end of 1969, BankAmericard is expected to be established in all 50 states along with several more major countries in the free world.

APPLE VALLEY ITEMS

BY FRANCES SMALLEY

APPLE VALLEY — Mr. and Mrs. Ken Saunders and family, Mr. and Mrs. Dwight Seward were among area residents attending the July 17 evening wedding of Ralph Kellogg of Nampa and Gladys Johnston of Emmett at the Missionary Bible church in Emmett.

Mr. and Mrs. Orley Smith of Seattle, former residents of this community were vacationing in this area last week and were guests in the homes of friends and relatives in Apple Valley and Roswell. Marilu Wilson accompanied them to their home in Seattle to visit their daughter, Beverly.

July 19 afternoon visitors of Mrs. Lulu Standal were Mrs. Kenneth Saunders and her guests, Mrs. Joe Kellogg and Mrs. Clara Reeves; Mrs. Evelyn Ramey and Sherri of Portland and Helen Hatch.

Mrs. Emma Moran and Susan left July 17 for a visit with Mr. and Mrs. Moran and family of Kaysville, Utah and relatives in Wyoming.

Mrs. Don Fritts and family, Mrs. Rex Nichols and sons, Mrs. Dorothy Mason and daughters, left July 19 for a week's vacation at Silver Creek. Fritts and Nichols took the ladies up and returned home Sunday. The men will return for their wives next weekend.

July 20 dinner guests of Mr. and Mrs. Dwight Seward were Mr. and Mrs. Roy Wild and Ethel Wild of Nyssa, Mr. and Mrs. Hugh Pierce and children of Boise, Mrs. Hilda Rathbun and Karen Chapple of La Puente, Calif.

Mrs. Jennie Seward visited

all this past week with Mrs. Lulu Botner of Ontario.

Mr. and Mrs. Jerry Findley and baby of Richland, Wash. were July 18-20 guests of his grandmother, Mrs. Martha Norland. Mr. and Mrs. Gene Stephens and Stuart were Saturday guests to visit with them.

Cathy Norland of Orofino, Idaho and Ruth Stephens of Owyhee were guests of their grandmother, Mrs. Martha Norland. Mr. and Mrs. Dwight Seward returned July 16 from a 10-day vacation trip. They toured Jackson Hole, Yellowstone Park and visited cousins at McGrath, Shelby and Cut Bank, Mont., before going to Alberta Canada and Waterton Park. They returned home via McCall where they left Gary Seward and Rodney Rhoades of Caldwell, who was with them, at the junior high church camp in Victory Cove.

Mr. and Mrs. Emory Rathbun and Karen Chapple of La Puente, Calif., were visiting her mother, Mrs. Ethel Wild when the Dwight Seward's returned July 16 from their vacation. The following day the Rathbuns were guests of the Seward's and on July 18 Rathbun left for home leaving his wife and granddaughters for a longer visit with relatives.

Mr. and Mrs. Tom Ferguson had as weekend guests their daughter, Mrs. Evelyn Ramey and children of Portland. Larry Ramey remained with his grandparents for a longer visit. Mr. and Mrs. Earl Boston, Mrs. Helen Wilson, Mrs. LaVone Fox, Mr. and Mrs. Cecil Evans spent the weekend at the Methodist church camp in McCall.

Mrs. John Boston and children, Mrs. Ernest Fisher and children spent a recent week camping and swimming and fishing at Goose Lake.

Mrs. Ruth Fritts and Frances Smalley visited during the afternoon of July 18 with Mrs. Luella Breneman at Ontario.

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