

The Hanford Story-

(The following is the fourth of a series of seven articles disclosing the highlights and sidelights which have accompanied the nation's development of atomic energy. Prepared at the Hanford atomic energy plant, the series deals with the human things which followed in the wake of the first historic announcement that man had harnessed the atom. It touches upon the things which lie ahead.)

By Bill Jury
General Electric News Bureau
Hanford Atomic Plant

Strange and awesome devices are among the tools with which scientists today are probing the mysterious world of the atom.

By-products of the atomic age and America's search for nuclear knowledge, many of the new instruments might have been fostered in the mind of Jules Verne or H. G. Wells, and later discarded because they were considered "too terrible."

Yet, their collective presence in the laboratories and workshops of American industries and research laboratories eventually may have as profound an effect on the lives of the nation's farmers and city-dwellers as the steam locomotive or the automobile.

The nation's atomic scientists today are employing these hypersensitive instruments to explore minute worlds to a degree never before imagined possible.

With the electron microscope used by General Electric company scientists in research work at the Hanford atomic energy works, for example, particles one ten-millionth of an inch in diameter can be observed.

Viruses and certain molecules become visible under this mag-

Bigger Pageant is Planned for East-West Shrine Game

A greatly increased display of pageantry is promised for the fourth East-West Shrine football game to be played August 27th at Pendleton, Round-Up park, according to an announcement by Shrine officials.

Among new Shrine units will be the El Kaif mounted patrol from Spokane. Mounted on beautiful Palomino horses and drilled to perfection, they receive considerable acclaim wherever shown. Another crack outfit making their first appearance here will be the Hillah Temple drum and bugle corp from Ashland. Augmenting the band and drum and bugle corp from Al Kader Temple, Portland, will be the entire uniformed bodies from that organization; including the drill team, chanter, patrol, motor scooter patrol, camel herders and oriental band. Much of the interest in this year's game is caused by the big Shrine ceremonial to be held in Pendleton the day before the game in honor of Flavel Temple, a Pendleton boy who is now Potentate of Al Kader Temple, Portland.

On August 14th a delegation from Al Kader will fly to Pendleton to make final plans for the ceremonial and to co-ordinate activities for the football game. Ticket sales have been brisk according to Oren Allison, secretary of the Pendleton Chamber of Commerce, but there are many good seats still available.

nification for the first time in the history of the world, and if you could write letters that small, you could cram 40,000 printings of the Gettysburg Address onto the tip of a human hair. Members of the Biology section of the GE organization operating the Hanford plant for the Atomic Energy Commission use the microscope to observe animal tissues and other materials which have been exposed to radiation.

Seeing to it that Hanford vacuum and gas-filled tubes in research work are "leak-free" is the job of a mass spectrometer leak detector. The device is so sensitive that if used on a fully inflated passenger automobile tire, it could detect a leak so small that it would require 2000 years for the tire to lose all its pressure.

Weight-measuring instruments used at the Hanford plutonium-producing plant register weights of particles so small that they are beyond human comprehension. A micro-balance, one of three super-sensitive instruments in use by GE scientists, can measure particles weighing no more than one one-hundred-thousandth of a gram.

There is no place for such a device as this in the butchershop around the corner, but to the scientist in his laboratory, it is an indispensable tool in his quest for greater knowledge about the amazing world of the atom.

(Next Week: "Atomic Age Sheep.")

Easter Seal Sale Committees Named

Mrs. Mervin Leonard, president of the Morrow County T. B. and Health Association and Mrs. Jack Bedford, seal sale chairman for Morrow County were in the north end of the county last Friday, to contact local chairmen for the forthcoming 1955 Christmas seal sale which will start in November.

Chairmen who will handle seal sales in their respective communities are Mrs. Russell Miller, Boardman; Mrs. William Coy, Irigoin; Mrs. Omar Rietman, Ione; and Mrs. Leonard, Lexington.

Several Attending Church Youth Camp

Attending an Assembly of God youth camp this week at Brooks, are Rev. and Mrs. Willis Geyer, Marlene and Norma Geyer, Frances and Viola Duran, Norma Howard, Marilyn Pettyjohn, and LeRoy Adams. Diane and Duane Geyer are visiting their grandparents at Woodburn.

Herman Howard took part of the group in his car. They all drove to Portland Sunday afternoon to hear Lillian Trasher, well known "Mother of the Nile, a missionary to Egypt for more than forty years. Rev. Geyer expects to take a tape-recording of Miss Trasher.

Erling Storro will drive to Brooks Friday to help bring the group home on Saturday.

UNION MISSIONARY SOCIETY

The Union Missionary Society will meet Friday August 5 at 2:30 p. m. at the Christian church.

Rev. G. S. Little will be the speaker for the afternoon.

Mrs. Lennie Loudon is vacationing in Portland.

Market For Cows Shows Higher

HERMISTON—Marion Finch of Heppner received a top price of \$6.50 cwt. for a 155 lb. wether at the Hermiston livestock auction Friday. Delbert Anson, manager of the sale, reports.

A heavy run of slaughter cows brought somewhat higher prices Friday. Most cows sold at the higher end of the price range, with commercial cows up 15c at \$15.35 cwt. top, utility up 60c at \$13.50 cwt., canner-cutter up 5c at \$10.30 cwt., and shells up 55c at \$7.75.

A good turnout of Oregon and Washington packers, feeders and ranchers provided broad and active demand Friday. Consigned were 424 cattle compared with 510 the previous Friday, 176 hogs compared with 90, and 233 sheep compared with 33 the previous Friday and 269 at the special sheep sale two weeks ago. Next sheep sale along with the regular sale is scheduled Aug. 5.

Next Friday, July 29, a special dairy cow sale will be held along with the regular sale. First consignment was a string of 30 head of Holstein yearlings to spring heifers.

Other price increases Friday included baby calves up \$4.50 at a top of \$27 hd., heifer calves up 40c at \$18.30 cwt., weaner pigs up \$1.50 at \$12.50 hd. Sheep prices were fair compared with other markets.

Calves: Baby calves 10.50-27.00 hd.; weaner calves, steer calves 17.20-19.30 cwt.; heifer calves 16.80-18.30 cwt.; Veal 18.10-20.10 cwt. Steers: Stocker steers 15.80-17.90 cwt.; feeder steers 18.20-19.60; No fat slaughter steers; fat heifers 16.20-17.80, grass only.

Cows: Dairy cows 92.50-137.50 hd.; dairy heifers 11.00-13.10 cwt.; stock cows 105.00-113.10 hd.

Slaughter Cows: Commercial 14.10-15.35 cwt.; utility 11.75-13.50 cwt.; canner-cutter 8.60-10.30; shells 6.25-7.75.

Bulls: Utility only, 12.75-14.60 cwt.

Hogs: Weaner pigs 8.50-12.50 hd.; feeder pigs 16.75-18.40 cwt.; fat hogs 18.60-19.90; sows 12.10-13.00, few light sows to 16.00; no boars.

Sheep: Feeder lambs 13.50-14.85 cwt.; fat lambs 15.10-16.20; ewes 1.25-2.80; no bucks.

HOSPITAL NEWS

New Arrivals—To Mr. and Mrs. Cecil McDaniel, Hardman, a 7 lb. 12 oz. boy born July 21, named Richard Keith. To Mr. and Mrs. George John, Spray, a 7 lb. 6 oz. boy born July 22, named Danny Lee. To Mr. and Mrs. Jesse Jenkins, Sr., Condon, a 8 lb. 2 oz. boy born July 23, named Jerry Lee. To Mr. and Mrs. Clifford Adams, Spray, a 6 lb. 3 oz. girl born July 27, named Barbara Jean. To Mr. and Mrs. Jesse Johnson, Condon, a 6 lb. 11 oz. girl born July 26, named Jesse Charlene. To Mr. and Mrs. James Swindle, Lexington, a 7 lb. 15 oz. boy born July 27, named James Edward, Jr.

Medical—Alice Scrivner, Heppner, dismissed; Billie Lacey, Condon, dismissed; Glen Shearer, Condon, dismissed; Emma Holten, Condon, dismissed; Paul Barnett, Ione, dismissed; Jane Saling, Heppner; Louis Melkovch, Kinzua; Judith Beckwith, Spray, dismissed; Michael McFarlane, Spray, dismissed; Maybelle Davis Fossil.

Minor Surgery—Lois Rogers, Heppner.

Major Surgery—Earl Arnold, Condon, dismissed; Lillian Sweek, Heppner.

Out-Patients—Ralph Devito, Condon; Marvin Axdel, Heppner; Darlene Ober, Spray; Claude Jones, Natchez, Wash.; Clarence Pettit, Natchez, Wash.

Dr. and Mrs. E. K. Schaffitz, Diane and Jimmy returned Tuesday from a few days visit with Dr. and Mrs. Lyle Vester at Wallace, Idaho.

Howard Reed left Tuesday for Sweet Home and Eugene to spend several days.

Ike Dexter, former resident of Heppner, was visiting here Monday. He used to farm here and the last time he visited was in 1928.

Mrs. William Duran and Mrs. Rufus Piper returned Thursday from Enterprise where they had visited their mother.

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William E. Healy

So far he has said nothing! Political puzzle of the year for Oregon Republicans it "What will Bill Healy do?"

The question of whether Gov. Paul Patterson will run for the U. S. Senate appeared answered in the affirmative at the recent \$100 plate dinner.

Next to beating Wayne Morse, Republicans want to elect a Secretary of State and retain the state board of control. Assistant Secretary of State William Healy has made thousands of new friends during the past eight years and might want to advance.

Some party leaders are saying privately Healy should get the new motor vehicle post under Gov. Patterson. Everyone admits he is highly qualified for the job.

No Republican wants to see a rip-roaring battle, the kind Healy could make, in the primary. The Democrats are pinning their hopes on Multnomah County Sheriff Terry Schruk, who is a good friend of Healy and might not oppose his friend.

Meantime Healy continues to build his own hedge against the uncertainties of politics. He recently became president of the Oregon Development Corporation. It is rumored he will head a new savings and loan association and a new casualty insurance company.

OREGON FARMLAND

Added to the increasing demand for Oregon farmland in Oregon is the recently accelerated movement of farm and orchard owners in California who are shocked by the lowering of the water level in many parts of that state. They are looking to Oregon long noted for ample moisture. Many are selling out and moving quick to beat an anticipated rush for land without the water problems.

The Bend and Salem districts have been the first to feel the movement.

ACQUITTED

It took less than 30 minutes for a jury to elect a foreman and free State Senator John Merrifield from an accusation of drunken driving last Thursday. The jury was convinced that his erratic driving was caused by an intoxicated passenger who persisted in

Local News In Brief

Mrs. Frieda Slocum had as her guest last weekend, Mrs. Katie Slocum of Portland, Mrs. Mary Drake and daughter Marylee of Lincoln, California.

Mr. and Mrs. Lester Doolittle spent last weekend in Portland visiting at the home of their daughter and son-in-law, Mr. and Mrs. C. H. Perrott and with their son and daughter-in-law, Mr. and Mrs. Paul Doolittle.

Mr. and Mrs. Nels Anderson have returned from Washington and Idaho where they spent the weekend visiting with friends.

Mr. and Mrs. Lee Scrivner were overnight guests at the Indian Lodge Motel at Joseph on Wednesday of last week.

Miss Leta Humphreys and Mrs. Ethel Zeimants spent last week in Portland and Eugene.

Mr. and Mrs. F. A. Chaffee of Spokane were Heppner visitors last week at the home of Mr. Chaffee's parents, Mr. and Mrs. Jarvis Chaffee. During the week, the family spent a few days at Wallowa Lake.

Ralph Thompson spent three days in Spokane last week, where he attended a meeting of P. C. A. directors. Two or more members of each of the thirty Northwest districts were present.

Mr. and Mrs. J. O. Hager left this week for Fort Lewis, Wash., to pick up Lt. Col. and Mrs. Clayton Shaw and to take a short vacation trip into Ctnada.

Mrs. J. H. Parker of Pasco, Washington was a visitor at the home of her parents, Mr. and Mrs. Clive Huston, last week.

Mrs. Harry Nelson and children of Portland are visiting at the home of her parents, Mr. and Mrs. Frank E. Parker.

Scott McMurdo of Corvallis and Charles E. McMurdo of Portland visited at the home of their parents, Dr. and Mrs. A. D. McMurdo over the weekend. On Sunday the McMurdos and Miss Lulu Hager went to La Grande where they were guests at the home of Dr. and Mrs. Fred Otten (Florence Sims), a niece of Mrs. McMurdo. Other guests at the Otten home were Dr. and Mrs. Matlock Mims (Marjorie Sims), of Washington D. C. Dr. Mims is in the Air Force Medical Corps and expects to leave for Germany soon.

Mr. and Mrs. Frank Hamlin left Wednesday for Redmond where they are attending the State American Legion convention.

tugging on the wheel.

The woman was a friend of a friend who asked him to take her to the state hospital at Salem for treatment for alcoholism!

One reason offered by a trial attorney was that the arresting officer thought the erratic driver was a United States Senator.

SEC. MCKAY'S VACATION

There are to be several interludes in Secretary of the Interior Douglas McKay's vacation in Oregon during the month of August.

On August 2 he will speak before the Salem Kiwanis Club, an appearance at dedication of the Herbert Hoover Home Aug. 14, a trip to Vancouver, Washington, August 12, and laying of the cornerstone at the old Robert Newell refurbished home at Champoeg, on August 13.

Mr. and Mrs. J. J. Nys are vacationing in Portland and at Cannon Beach for two weeks.

Merlin Shields of Benson, Minnesota is a visitor at the home of Mr. and Mrs. Kenneth Keeling.

Sgt. and Mrs. John Pickens and son Tommy of Seattle visited for a few days at the home of her parents, Mr. and Mrs. L. B. Ledbetter. Mrs. Pickens and son are remaining for a longer visit.

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