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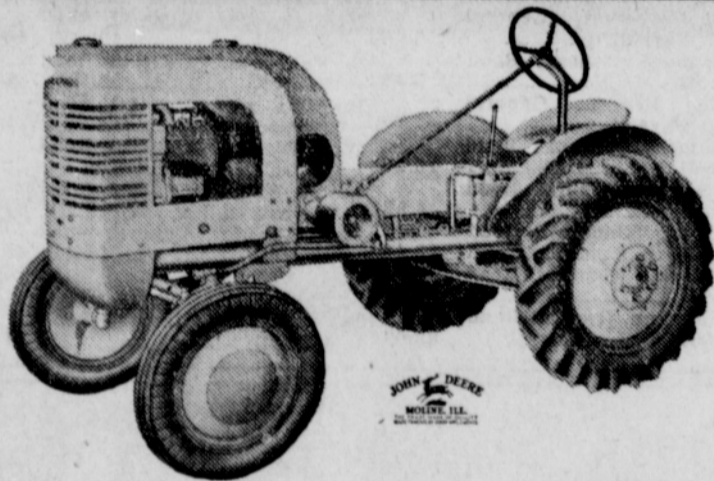
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New Discovery May Aid in Ageing Liquor

Discovery of a "chemical dice game" may lead to improvements in the ageing of wines and liquors, the American Chemical society was told recently.

Dr. George Calingaert, of Detroit, chemical research director of the Ethyl Gasoline corporation, also reported that other new fields in organic chemistry would be opened by his findings which show that, contrary to past experience, organic compounds of the same class will react with one another through use of proper catalysts.

Quantities of the products formed, he said, are determined by the same mathematical laws of chance which enable gamblers to foretell odds in a dice game. He explained that when a pair of dice is thrown many times, the number seven will appear twice as often as the number ten, and three times as often as eleven or three.

Dr. Calingaert reported that the atoms "fall" into position in the same random way and that the discovery "all but shakes the foundations of our concepts of the behavior of atoms in molecules."

Such a reaction may hold the key to some processes known to take place, but for which no satisfactory explanation has been advanced, he said.

"It is well known that some chemical process occurs after barreling or bottling (of liquor), the result of which is readily detected by taste."

The action occurs though the materials present are chemically inert to one another and Calingaert predicted that a better understanding of this ageing process will lead to improvement in wines and liquors.

Scientists Find Locusts Are of 2 Distinct Kinds

There are two races of the periodical cicada—the seventeen-year race and another that appears every 13 years. Scientists have found no differences in the two except that one remains underground in the larva and pupa stages four years longer than the other.

Every year is locust year in some part of the country. There are 17 different broods of the 17 year race and thirteen broods of the 13-year race, writes a correspondent in the Chicago Tribune. The broods have been catalogued by Roman numbers. Broods Nos. 1 to 17 compose the 17-year race. The 13-year race is numbered from 18 to 30.

There is overlapping of the territories occupied by the two races and also by the different broods. In some sections, however, the locusts only appear at 13 or 17-year intervals, indicating the presence of only one brood.

The periodical cicadas are not found in the western part of the United States. They live mainly in the wooded regions from the Atlantic coast westward to central Kansas.

Tom Thumb's Life

Tom Thumb (Charles Sherwood Stratton) was born at Bridgeport, Conn., on January 4, 1838. His parents were of normal size and he showed no peculiarity until he reached the age of seven months, when he ceased to grow. In 1842 his mother took him to P. T. Barnum. At that time he was 28 inches in height and weighed a little more than 15 pounds, though he later increased in size. He was perfectly proportioned, active, and intelligent. His exhibitions proved a great success and in 1854 he was taken to England by Barnum and presented to the queen and royal family. In 1863 Tom Thumb married Lavinia Warren, a dwarf, and together they traveled widely and gave exhibitions. He died at Middleborough, Mass., on July 15, 1883.

Ability to Learn

Walter B. Pitkin, in "The Art of Learning," says: "Between the ages of 22 and 40, the ability to learn a systematically logically organized subject, such as a foreign language, mathematics, or any natural science, declines no more than 1 per cent year. A man aged 42 lags only 20 per cent behind a 20-year older. To this conclusion Thorndike and his associates came as a result of their prolonged experiments in teaching adults Esperanto. But they also find that the older people make up for this slowing down by more mature backgrounds which aid them in thorough comprehension."

Sealed Tomb

The parishioners of Christ church at Cambridge, Mass., were surprised to learn that there is a sealed tomb in the basement of the church. The WPA historical records survey reports that the tomb was built soon after the completion of the church in 1759. Ten bodies were placed there, including that of one of the builders, Henry Vassall, before the city ordered the tomb closed in 1865.

Flag Protection Law

There is but one federal statute which protects the flag from desecration throughout the country. This law, 33 Stat. L. p. 725, February 20, 1905, provides that a trademark cannot be registered which consists of, or comprises, among other things, "the flag, coat of arms, or other insignia of the United States, or any simulation thereof."

BOARDMAN NEWS

By Ruth Fisher

The G. A. A. girls of the high school gave a "Bug" party Friday evening. There was a good attendance and a good sum was taken in.

Miss Eleanor Ewing of Berkeley, Cal., who is secretary of National Missions for the Pacific district of the Presbyterian church, occupied the pulpit of the Community church Sunday. She gave a very interesting talk and also sang a solo which was greatly appreciated.

Mrs. George Funkhauser and her sister, Mrs. Wenke of Portland, left for Lewiston, Idaho, last Monday, where they will visit for two weeks, among their childhood friends.

Phil Jones drove to La Grande last week to bring his sister Esther back here where she has employment at the Oasis. They were also accompanied by Mrs. Klitz and La Verne Baker.

Mrs. John McClasky of The Dalles visited at the home of her parents, Mr. and Mrs. Robert Wilson, Friday. Mr. and Mrs. George McCuhen and children Ralph and Helen visited at the John Fisher home over the week end.

The Ladies Aid silver tea is to be held at the church Wednesday afternoon. Mrs. Allen, Mrs. Corwin, Mrs. Lily and Mrs. Ball are the committee in charge.

Mr. and Mrs. A. Sundsten and children Albin and Lillian have moved to Viena where Mr. Sundsten has employment.

There was a convention of all the Grange officers in this district Thursday. There was a large attendance from outside and from the local Grange. Dinner and supper were served.

Among those who visited at the Claude Myers home this week were Mr. and Mrs. Lee and Mrs. L. V. Woodard of The Dalles. Mr. Day of Hood River also stopped in on his way elk hunting.

Mr. and Mrs. Dickerhoff are leaving for California and the Frank Walker family is moving into their place.

COLUMBIA NEWS

By Mrs. Edward Shaw

Henry A. Hooker, pioneer resident of this district, passed away Wednesday morning at the home of his daughter, Mrs. Howard Montgomery. Mr. Hooker had been in serious condition for several months.

Mr. and Mrs. Jack Coons of Connell have been here for the past few weeks with Mr. Coons' sister, Mrs. H. A. Hooker.

Mrs. Emma Christley entertained at her home Tuesday afternoon in honor of her cousin Mrs. C. A. Jackson who is visiting here from Indiana. Those present were Mesdames William Mikesell, Baxter Hutchison, Mary Harr, Alfred Cable and daughter Doreen, Gus Linder, William Foster, and the honor guest and hostess.

Joyce McCulley is staying at the Dave Middlesdorf home this week while the Middlesdorfs are in Portland.

Mr. and Mrs. Cecil Madden and family and Lucille Weeks attended a Halloween party in Wallowa Tuesday.

Mr. and Mrs. Earny French of Stage Gulch, George Peebler of Montana and Mrs. John Wagner and daughter and son of Ione visited at the William Rohdes home Thursday of last week. They were returning from Mr. Wagner's funeral. Mrs. Wagner is a niece of Mr. Rohde and Mr. Peebler is his nephew.

The Epworth League enjoyed a Halloween party Monday evening at the Edward Shaw home. The evening was spent in playing games. Those present were Mrs. H. J. Ott, Marian Ott, Joyce and Omega Sater, Dorothy and Susan Knox, Dorothy Rebecca and Robert Pierson, George and Zelma Sale, Russel Pierson, Stearns Cushing Jr., Marian Casady, Eugene and Bob Miller, Clarence Crampton and Myrthena Martin. Refreshments of doughnuts and cider were served.

Mrs. Bloom called on Mrs. W. B. Foster Sunday afternoon. Both ladies were visitors of Mrs. Duane Lathrop. Mrs. Lathrop is greatly improved since her recent illness.

One of a series of F. B. A. teas was enjoyed at the home of Mrs. W. B. Foster Friday afternoon by the following ladies: Mesdames Claude Upham, William Mikesell, Miles Barger, Baxter Hutchison, Mary Harr and J. H. Reid. Delicious refreshments were served.

Mr. and Mrs. J. B. Bradshaw and son Kenneth of Grand Island, Nebraska, are visiting Mr. and Mrs. Henry Wilson and family. They came Wednesday of last week.

Cecil Madden returned home with an elk Monday night.

Mr. and Mrs. William Rohdes at-

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tended the birthday dinner of her brother Al Moody, October 22, at Pendleton.

Mrs. Mabel Weeks and family called on the T. O. Krause family of Stanfield and Mrs. Sarah Boggs of Echo, Sunday.

Mr. and Mrs. Charles Wells visited at the John Knox home Sunday afternoon.

Mrs. Tom Hampton, sister of H. G. McCulley, and Mr. and Mrs. Bill O'Donnell and children Nancy and Jim were visitors at the H. G. McCulley home Sunday.

PINE CITY NEWS

By Mrs. Bernice Wattenburger

Mr. and Mrs. D. Neal of Stanfield spent Sunday at the Roy Neal home.

Mr. and Mrs. Marion Finch, Mr. and Mrs. Bill Shipley and Berl Wattenburger are spending the week at the Bert Barnes camp, elk hunting.

Ted McGreer of Redmond is spending a few days at the R. E. McGreer home. He is Mr. McGreer's brother. Mr. and Mrs. A. E. Wattenburger

visited their son Earl and family of Pasco.

Mr. and Mrs. Floyd Van Orsdale of Pendleton spent Sunday visiting Mrs. Van Orsdale's sister and family, Mrs. E. B. Wattenburger.

Pendleton callers Monday were John Harrison, Mr. and Mrs. Frank Helms and R. E. McGreer.

Ray Ayers was ill at his home here last week. He returned to school in Heppner Tuesday.

Mr. and Mrs. Earl Esseltyne of Pendleton spent Sunday hunting at the A. E. Wattenburger ranch.

Mrs. Harold Wilkins spent Saturday in La Grande visiting her son Malcolm.

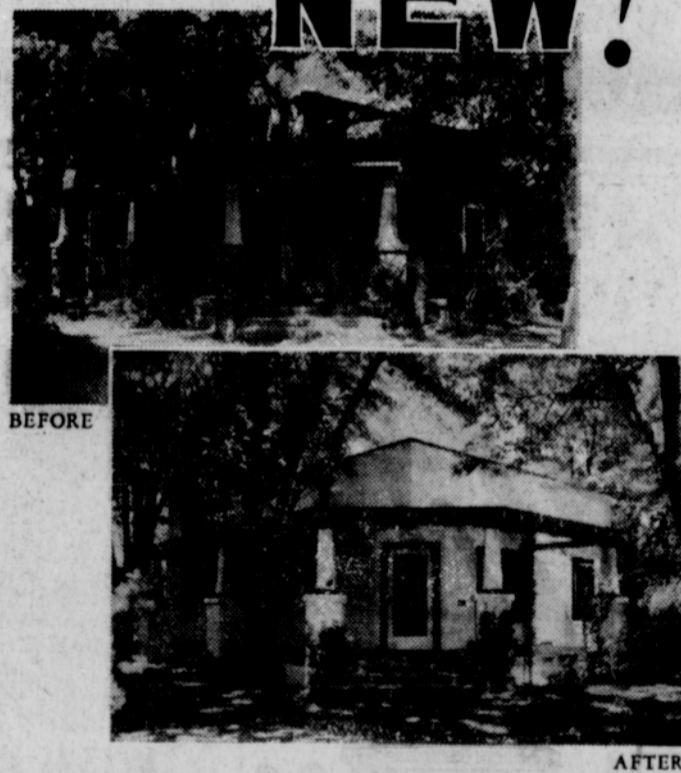
The Misses Elsie Rauch and Lorine Saylor spent Sunday visiting Lilly Rauh at the McGreer home.

R. E. McGreer made a business trip to The Dalles Wednesday.

Students at Pine City school enjoyed a Halloween party Tuesday afternoon. Mrs. E. B. Wattenburger served pumpkin pie and punch in honor of her daughter Darlyne's fifth birthday.

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