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KITCHEN CIRCULAR GIVES NEW PLANS FOR RURAL HOMES

The secret of convenience in a kitchen is to have it planned to care for all the uses it must serve, and in the average farm family home these are many and varied, points out Miss Maud Wilson, home economist at Oregon State college, in a new station circular, 131, entitled "Planning the Kitchen."

The circular has been prepared especially for the use of Oregon farm families planning to remodel a kitchen or build a new one and confronted with the problems of what size the room needs to be, what arrangement is most desirable, and what types of built-ins are needed. It is a condensation of a previous larger bulletin.

Profusely illustrated with drawings of many types of arrangements for kitchens of various shapes, as well as individual drawings of different kinds of cabinets, wood boxes, wood lifts, sink arrangements, dining arrangements, work tables movable and otherwise, coolers, cake and bread storage spaces, and even detailed drawings of silver drawers and knife racks. These were worked out as the result of a survey of the needs and desires of a large group of Willamette valley farm women.

The uses of a kitchen customarily include food preparation, cooking and dishwashing, but the majority of farm families like to have space to eat in the kitchen, even when there is a dining room, Miss Wilson found. Whether meals are served there or not, the average household wants a "family" center, where children can play or adults can rest or sit at work.

The new circular is an abstract of station bulletin 356, "The Willamette Valley Farm Kitchen," to make the information more easily usable by farm homemakers. It is free on request from county extension offices or the college.

CHEMICALS REMOVE MOSS AND HELP LAWN GROWTH

The second mild winter in succession in Oregon has left many lawns badly infested with moss this year, which can be largely eradicated by the use of chemicals, according to recent tests made by L. E. Harris, assistant agronomist at OSC, who has been conducting extensive experiments in weed control of various kinds. The most complete kill of moss was obtained by the use of Sinox, an organic dye, which, so far as known, is yet available at retail in Oregon, although supplies may be obtained through a recently established California agency.

The best combination results, including fertilizer value, were obtained by use of ammonium sulfate at the rate of 2 pounds to 130 square feet either applied dry or dissolved in two or three gallons of water. The ammonium sulfate gives 60 to 75 percent kill and greatly stimulates grass growth. A more complete kill is possible when the moss is raked thoroughly before applying the chemical.

FLYING CLUB ORGANIZED, TRAIN PILOTS AT O.S.C.

OREGON STATE COLLEGE—An Oregon State Flying club, composed of 41 students taking actual flight training, has been formed here and officially recognized by the college. The students contract with the local flying for training at group rates. Only registered students and those with written permission of parents or guardians are permitted to join the club, says Ben F. Ruffner, associate professor of aeronautical engineering, who is faculty adviser. It is believed that an active club of this sort will aid in having OSC designated next year as one of the college centers for the training of civilian pilots by the federal government.

Fluorescent tubes, a new discovery in illumination, have been used exclusively in the million dollar lighting program on Treasure Island.

Penguins Good Husbands; Affectionate With Mates

Of all the strange birds that inhabit the earth, the emperor penguin, which breeds on the rocky shores of the Antarctic regions, is one of the strangest.

The penguin is the largest of the wingless and flightless swimming birds, the adult standing about 3½ feet high and weighing around 90 pounds. He has a small black head and a strong pointed beak. His back is black, too, and his abdomen is white. His short clumsy legs are feathered down to his webbed feet and in place of wings, he possesses a pair of flippers which enable him to swim under water for a long time.

Because they stand so erect, penguins may be mistaken for human beings when seen from a distance, writes Burt Hause in Our Dumb Animals. They behave like humans, too. When making love, the male struts proudly around the female in order to show off his good points and manly bearing. Then he suddenly stretches out his neck and touches his beak to hers as though in a kiss.

Penguins are also very inquisitive. While swimming far out at sea, they will draw close to a passing ship and inspect it like a naturalist inspecting the bones of some prehistoric animal. Misery loves company and, like human beings, a depressed penguin seeks companionship. During the moulting season when he loses his feathers, he invariably leaves home to find those of his flock who will sympathize with him.

Happily, divorce suits are unknown to a penguin family. With them, love is eternal. Even after wooing, the husband is constantly kissing his wife with his beak and embracing her with his flippers at the most inopportune moments.

Old Roman Maginot Line Protected Claimed

Imperial Rome once held back the menace of savage German tribesmen with a predecessor of the Maginot line. The ancient fortified line was on what is now German soil, however, and was located considerably to the east of the present French defenses.

The Roman line, known then and since as the Limes Romanus, states a writer in the Kansas City Star, started at the village of Rheinbrohl on the Rhine, about 20 miles below Coblenz and on the opposite bank of the river. It ran 200 miles over hills and through valleys, with its other end at Eining on the Danube. Thus it protected the Roman-held territory on the interlacing headwaters of the two streams. Below its two downstream ends, the broad rivers, patrolled by Roman galleys, were deemed sufficient protection for the empire's frontiers.

The Limes Romanus consisted simply of a strong timber palisade when it was first laid out. Later, at the end of the Second century A. D., the palisade was replaced by a continuous earthen wall, reinforced at intervals by stone "castella" or towers.

Heaviest Man on Record

Daniel Lambert was the heaviest man on record. Born at Leicester in 1770, he was, during his youth, of normal build and fond of exercise, but began to put on weight with amazing rapidity in his early twenties. In 1806, on deciding to exhibit himself in London a special vehicle was constructed for his conveyance there. He was 5 feet 11 inches in height, and, to quote his epitaph, says London Answers magazine, "he measured three feet one inch round the leg, nine feet four inches round the body, and weighed 52 stone, 11 lb. (14 lb. to the stone)." At his death it was found necessary to take down the window and wall of the room in which he lay to allow of his being taken away. His coffin was 6 feet 4 inches long, 4 feet 4 inches wide, 2 feet 4 inches deep, and consisted of 112 superficial feet of elm. It was built on two axle-trees and four wheels and was rolled down a slope to the bottom of the grave.

Life of a Needle

The neat and nimble needle is a very complicated piece of work which from first to last takes nine days to produce. Special steel wire from Sheffield is cut into lengths, each length making two needles. After being made perfectly straight, says London Tit-Bits Magazine, the length of steel is mechanically sharpened at both ends, then flattened in the middle to take the double eyes, punched out either by machinery or by hand—an expert hand-puncher getting through 25,000 a day. The double needle is divided into two, and the eyes smoothed and polished by hand. The soft wire needle now has to be hardened, tempered and finally polished all over ready for use.

Stephen Collins Foster Memorial

There is a Stephen Foster memorial building in Pittsburgh. A chapel was erected on the campus of the University of Pittsburgh to the memory of the composer. It is known as the Stephen Collins Foster memorial of the University of Pittsburgh. It is located on the university's Cathedral of Learning triangle, on Forbes street facing Schenley park. The chapel, which seats 700 persons, is built in Gothic style of Indiana limestone. The left wing of the building houses the composer's relics.

Midget's Condition Due To Affliction of Glands

Midgets are not dwarfs. A dwarf has the torso of a normal-sized person. Heads are broader at the top than the jaw and there is a deep indentation at the bridge of the nose. Legs are short, especially the thighs, and the pelvic region tilts forward. They are susceptible to heart trouble, which the midget is not.

Midgets are people with bodily proportions of normal childhood except that their limbs are shorter in proportion to their trunks. Cheeks are fair with little or no hair and there is more than a normal deposit of fat in cheeks, hips or waist, or in all three. They are extremely youthful-looking, especially the younger ones. This is due to the fact that they have a dormant period between 6 and 12 which curtails their development.

Midgets may appear in any family since their condition is due to non-functioning glands, according to Harlowe R. Hoyt in the Cleveland Plain Dealer. When their growth first ceases, parents as a rule seek to bolster them with medicines. Sometimes they succeed to the extent of an inch or two, in which event they frequently ruin their child's opportunity to make a living. Four feet is the limit in height of exhibition midgets.

About 22 per cent of all midgets marry. Of these, about half marry other midgets and the remainder normal people. Of all the midgets who marry, only 41 per cent have children. Midget women who have children have normal-sized babies—normal at birth and normal as adults. No midget woman has given birth to a child without a Caesarian operation, necessitated by the small pelvis.

Indian Once Had Right To Plot He Cultivated

In an Indian community prior to the discovery of America, and during early colonial times, no individual owned land, but the right of each to the plot which he cultivated was respected. A man's weapons were his own, but generally the tools, and often the food, and among the tribes of the plains even the tepee belonged to the women. Personal belongings were often buried with their owner, that their souls might accompany him to the future home. Remaining property was distributed in the tribe or bestowed upon heirs.

McNicholls' "The Amerindians" says that the conditions of land tenure obtaining in America upon the arrival of the Europeans was such that there was no occasion to bother about acquiring title from the natives. "It was convenient for the colonists to conclude that the Indian right itself was but imperfectly and partially secured. It was convenient also for the colonists to conclude that neither tribes nor individual Indians were clothed with the requisite authority to enable them to make perfect conveyances of their rights or claims."

How Ants Store Honey

Bees store their honey in cells manufactured by themselves; but in Mexico and the southwestern United States there is an ant which stores its honey—in other ants. Many species of ants collect honey-dew, store it in their crops and, on returning to their nests, feed their brood or other members of the colony by disgorging the sweet liquid. The Mexican honey ant, however, has gone one better in organizing food stores, says Pearson's London Weekly. In each nest of this species there is a class of workers, known as "repletes," the abdomens of which are so tremendously swollen that they are veritable honey pots. The "repletes" never leave the nest. They stay there and the honey dew is fed to them by another class of workers which go out to forage for it. During the winter, when other members of the community wish to be fed, the "replete" disgorges some of its store. It is a living barrel of stored-up food.

Why Fish Are Dumb

Fish are plain dumb because they are low in the evolutionary scale, asserts a writer in the Los Angeles Times. Fish are the most primitive of the vertebrates, only one step beyond the Crustacea. All our data point to the conclusion that intelligence is an evolutionary development, and that the forms later in time in developing have more of it. A fish, therefore, is extremely unlikely to be smart as a newt, a newt as a frog, a frog as a lizard, a lizard as a snake or a bird; and all the mammals are smarter, have bigger (proportionately) and better developed brains than the cold-blooded animals.

Early Lecturers' Fees

Louis J. Alber says in the Commentator: "In 1831 Ralph Waldo Emerson wrote: 'I am willing to come to Waltham on the date you suggest and lecture to your Lyceum for the \$5 fee you offer, but I think you should also give me four quarts of oats for my horse.' Daniel Webster was the first lecturer to receive a fee of \$100; Abraham Lincoln lectured at Cooper Union for \$200, and in 1880 Henry Ward Beecher was paid the first known fee of \$1,000. After finding Livingstone in Africa, Henry M. Stanley received \$100,000 and all expenses for a hundred lectures."

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BOARDMAN

By RUTH FISHER

The Irrigon high school entertained the Boardman students Wednesday afternoon, February 21, with a skit, one-act play and band selections.

Mr. and Mrs. Willard Baker, Mrs. W. A. Baker and Mrs. Klitz motored to La Grande Sunday to spend the day visiting.

Mr. and Mrs. Ray Douns of Spicer, Missouri, visited at the J. McLoregh home this week.

The Grange sponsored a dance which was given in the hall Saturday night.

Mr. and Mrs. Earl Tubbs of Castle Rock, Wn., and Mrs. Della Tubbs visited at the home of Earl Hood over the week end. Mr. and Mrs. Earl Tubbs are going to make their home on the project.

UMATILLA NEWS

By MRS. GLENN OSTROM

Bryon, infant son of Mrs. Mildred Fromdahl, is quite ill with the flu.

Bob Meyers had the misfortune of breaking his arm while working with the engineers.

Mrs. H. B. Hull was hostess to members of the Ladies' Aid Missionary meeting last Thursday.

John Mustard spent Thursday in Portland on business.

Rex Moses spent last week with his mother who is quite ill.

Mrs. Don Isom is staying at the Rex Moses home while her husband has gone to Coulee dam.

Mr. and Mrs. Al Darr took Mrs. Bob Meyers to Pendleton Saturday afternoon to see her husband, who was in the hospital.

Mr. and Mrs. Frank Chapman of Pendleton were Sunday visitors at the Ervin Chapman home.

Mr. and Mrs. George Sampson and family of Stanfield visited at the home of his parents Sunday.

Mr. and Mrs. James Byrnes, Al Stephens and Gus Francoalus spent Tuesday at Attalia assisting in clearing the tracks of a wreck between a Union Pacific and Northern Pacific train.

COLUMBIA

By Lois Hutchison

Mrs. Rachel Johnston is convalescing at the home of her sister, Mrs. Dorothy Dixon in Tigard, after spending three weeks in the Good Samaritan hospital in Portland. She underwent an appendicitis operation.

The harmonica band, under the direction of Mrs. Emil Zivney, enjoyed a picnic at the Ralph Keener home Saturday.

Spring work is well under way in Columbia district.

Lester Colpitts is employed at the Dixon farm.

Mrs. Tilford Stillings and son are ill.

Horace Hodges is employed at the Lester Hammer home this week.

Mr. and Mrs. Lewis Douglas and Miss Myrthena Martin were visitors at the B. Hutchison home Sunday.

Duane Lathrop left Tuesday for La Grande and Wallowa county to be gone a week or ten days. He reports Mrs. Lathrop as improving.

Mr. and Mrs. Lester Hammer and Miss Dorothy Ferguson were business visitors in Pendleton last week.

Joy Emerson is employed at Arlington.

Mr. and Mrs. Willis Struthers had as guests Sunday, Mr. and Mrs. Ray Armstrong and Merl Galbraith.

Mr. and Mrs. H. G. McCulley were callers at the H. A. Wilson home Sunday.

Mr. and Mrs. W. B. Foster were Irrigon visitors Sunday at the Batle Rand and George Rand homes.

Mr. and Mrs. Willis Struthers went to Pendleton on business last Saturday.

Mr. and Mrs. Carl Hammer moved to Hermiston last Sunday. They are residing in the house recently occupied by Mr. and Mrs. Hugh Neill.

Edward Shaw has been working for Mrs. Mary Harr this week.

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