VOLUME XXXIII

U.OFO. MANUTILIZES WASI? **TO MAKE CHARCOAL**

Practical Commercial Value of Process of Making Wood Distillation Products Demonstrated.

By Ralph D. Casey.

University of Oregon, Eugene, Dec. 6.-One of the most outstanding con-16 tributions to science yet made by a University of Oregon man that admits of practical use in the Pacific northwest and elsewhere, is made public in the announcement that Professor O. F. Etafford, head of the university chemistry department, has perfected a pro-cess for utilizing waste wood to obtain 1 superior grade of charcoal and wood cistillation products used in a number ci basic industries.

Because of the great amount of cheap waste wood material available in the corthwest, it is believed that the lumber industry and other enterprises will keenly interested in Professor Sinfford's success

Professor Stafford first demonstrated his process scientifically, and now, with the help of a New England firm or chemical manufacturers, after sev tral years of labor, has succeeded in demonstrating it as a practical com-mercial process. Two wood distillation piants on the Atlantic coast, one of them controlled by a large corporation, placed every resource at Professor Stafford's hisposal, and the success of the process was completely demonstrated.

By the Stafford process a fine grade of charcoal can be obtained as well as the usual by products of carbonization which are basic in the manufacture of many commercial products. Charcon as used, of course, for many purposes.

Cord and slabwood have been the accepted material used in making char-coal and its by-products. As small installing and maintaining the complicated mechanical appliances required. In the summer of 1918 Professor

Stafford went east on a leave of ab-isnce from the university and directed tae work of practical demonstration at Cambridge, Mass., in a plant having a daily capacity of 100 cords and which was erected especially for the tests The outcome was so successful that a large manufacturing corporation util ising by products of the carbonizing industry was interested. In 1920 the work was continued in a plant of 200 cords daily capacity at Kingsport, - OBL

method is a cylinder 32 feet high and day practice:

SNOW IS SUCH A CURIOSITY HERE THAT CHILDREN THINK IT DEMONSTRATION BY GOD

Snow is such an unusual thing in Cottage Grove that it makes a deep impression upon children. They seem to think it an unusual demon-stration from the power on high, as is illustrated by the remarks made by two young hopefuls of the city during the flurry a few days

"Which string does God pull to make it snow?" was the question that Chester Scott directed to his astonished mother, Mrs. G. M. Scott. At the F. J. Alstatt home little Vesta hushed all into silence while she prayed for God to make it snow ome more

WICKED AND UPRIGHT BOTH TRY TO STAND IN SLIPPERY PLACES SUNDAY FORENOON

If only the wicked stand in slip pery places, then only sinners at ended forenoon church services here Sunday. Even those known as most upright appeared to be slipping. A slight rain early that morning urned to ice and covered the walk and streets to a thickness of a six teenth of an inch. Pedestrians could hardly get a footing and motor cars performed many strange aerobatis stunts. No serious accidents were reported. The wenther modified during the day. The thermometer has registered below freezing but a few times this winter.

SENTINEL STARTS MOVING **TO NEW LOCATION**

ford process was proved successful, two-revolution press has been pur-torium in Delaware, known as Hope vas dae in general to heavy costs of chased to take the place of the drum Farm.

FIRE CHIEF ISSUES

Possible fire damage from Christmas tree decorations is warned against by Fire Chief S. L. Mackin, who has is-The retort used in the Stafford sued the following rules for safe holi-

9 feet in diameter, set vertically, and 10 not decorate your Christmas tree the appliances are such that the wood 10 be carbonized is fed continuously 11 to the top, while charcoal is with-12 remarkable feature of the process is 13 the top, while charcoal is with-14 to be carbonized is fed continuously 15 to be carbonized is fed continuously 16 to be carbonized is fed continuously 17 the top self was the first to earry 18 the double-barred cross, which spe-cifically symbolized the fight against 18 tops continuously 18 the bottom. 18 tops continuously 18 the tops continuou

Do not leave matches within reach

Quickly and safely dispose of boxes,

Make no changes in electric wiring

"Cold Test" Oil Explained. "What is meant by the 'cold test' of an oil?" This question which seems

baffle the average motorist, has a

comparatively simple explanation. All

lubricating oils are directly affected

by changes in temperature. As the

As a result the engine fails to receive

proper lubrication. This may cause scored cylinders and burnt out bearings

wear on bearing surfaces. So, during cold weather, it will pay

the motorist to adopt a good cold test

oil. The Standard Oil company claims

that Zerolene, true to its name, has

one of the lowest cold tests obtainable

and is ideally suited for even zero

weather requirements of the motorist.

of the electrical inspector.

cold test of the oil.

excelsior and other infinimable ma-

CHURCHES PLAN PROGRAMS ROY VEATCH SAYS SMYRNA FOR CHRISTMAS **AFFAIR ENLARGED**

COTTAGE GROVE, LANE COUNTY, OREGON, FRIDAY, DECEMBER 22, 1922

The Inttage Grove Sentinel

Sunday School Children Will Receive Former Grove Boy Now Head of Junior Treats; Methodist Choir to Department of American Uni-Give Sacred Cantata. versity in Beirut.

The usual program and Christmas The usual program and Christmas tree entertainment by the Sunday schools will be the Christmas ob-servance in Cottage Grove churches. At the Methodist church the program and tree will be held at the morning Sunday school hour, followed by the Christmas sermon by the pastor. In the evening a large chours diversity at Beirut, Syria, writes his parents that he thinks the American newspapers exaggerated the Smyna affair. the evening a large chorus choir, di-rected by Mrs. Leon DesLarzes, will tered at the American university. The present a sacred cantata, "His Birth parents often come to bring their chil-

day." The Presbyterian, Baptist and Chris-tian churches will hold their programs Sunday evening in place of the regular evening service, with Christmas ser-mons at the morning hour. All of the instant of the children to a "foreign uni-versity," as they call it. "The climate," writes Veatch, "is instant of the children to the control of the children to the control of the children to t churches will have treats of candy and similar to that of southern California, nuts for members of Sunday schools as a feature of the entertainments. and the seasons are the same. Thirty miles from Beirut, in the mountains Father Curley, of Eugene, will con-duct Christmas mass at the Catholic church Sunday at 8 and 10 o'clock.

ORIGIN OF THE CHRISTMAS

cross chapter. With but \$40, secured from two friends, as her capital, she obtained the official consent of her

The Sentinel is issued a day early to put a few thousand seals into cir-

press which has been used for many years in printing The Sentinel, and numerous other additions to the plant and mumerous the additions to the plant

ers who shared her faith. She also un-CHIEF ISSUES CHRISTMAS WARNING dertook the task of writing to 4000 newspaper editors throughout the country, asking them to tell their readers that orders for seals should be sent to the national headquarters at Washing-The result was a veritable flood ton.

The 1919 seal was the first to carry

Roy Ventch, son of Mr. and Mrs.

dren, who dress in gorgeous colors and

miles from Beirut, in the mountains where the faculty of the university

have their summer homes, however, it have their summer homes, however, it is very cool all the year round." A short time ago Veatch made a trip to Damascus in a Buick car, going to be well-known street called

SEAL SOLD BY RED CROSS over the well-known street Straight, where the pavement is of

Fifteen years ago Miss Emily P. Bis-sell, of Wilmington, Del., conceived the idea of raising runds to help the anti-ple except two perished during the tuberculosis work of her state. She had read in the Outlook an article by Jacob Riis, in which he told of a Christmas stamp that was being sold in Denmark for the support of a chil-ing beam of the Bergell

are is home. At the time Miss Bissell BUCKING WHITE MULE GOES ON RAMPAGE IN COURT ROOM

The bottled stuff manufactured in the George Niemeyer home brew estab-lishment at Dunnell may not be mooncoal and its by-products. As small waste wood is materially cheaper than either slab or cord wood, the desirabil-ity of utilizing it in carbonization op-crations has long been recognized. Eight hundred applications had been indicate at various times at the patent office by those who thought they had it upon a process of carbonizing small waste wood on a commercial scale. The failure of these efforts, until the Staf-ford process was proved successful, with an ill-smelling, sticky spray. It wouldn't have been so bad if the assistant c. a. had held the shooting bottle on a single target. He sort of lost his head and waved the fizzing container wildly. The defendant es-caped with a light dose as he ducked into a sheltered corner. Bailiff A. B. Schmidt got a free shampoo out of it and John Allison was hit in the eye. Steve Speier wont home and changed his clothes in order to get away from suspicion. Frank Dougherty, attorney for the defendant, shouted "I object" until silenced by the rampant bugjuice hitting him fairly in the vocal orifice.

The court maintained its dignity by erawling under the table. After order

had been restored Justice Nelson de-clared the evidence was strong enough to warrant holding the accused to the district court for trial.-Fairmont (Minn.) Sentinel.

LAME, HALT AND BLIND GO ONE COTTAGE GROVE BOY IS ONLY ONE WHOSE BIRTHDAY COMES ON CHRISTMAS DAY **TO EVANGELIST PRICE**

Evidently there is but one child in the Cottage Grove country who was born on Christmas, for only one has claimed the Christmas present offered by The Sentinel to any boy or girl so unfortunate as to have his or her birthday presents serve as Christmas presents. The child to claim the present is

Johnnie Christmas, son of Mr. and Mrs. Joe Gallo, who was born at Latham December 25, 1917, and will

be five years of age Monday. He was evidently thinking of the present he was about to receive when asked how he liked to have his birthday come on Christmas for he replied that he liked it fine. Mrs. F. J. Alstott jokingly claimed to be entitled to a present on account of having been born on Christmas eve. She finally admitted,

however, that she was over the age limit set by The Sentinel, although she steadfastly refused to admit how many years above.

GEORGE CARLILE DIES FROM **EFFECTS OF STRAIN**

Deceased Had Been Associated With Lumber Industry for 20 Years; Leaves Large Family.

George L. Carlile, logging and mill superintendent at the A. L. Woodard nill south of here, died Thursday night of last week at a Eugene hospital. The funeral was held Sunday afternoon from the Christian church, Rev. J. E. Carlson officiating. Interment was in the A. F. & A. M.-I. O. O. F. cemeerv

Mr. Carlile, who had been identified with the logging and mill business here for 20 years, was born April 11, 1884, at Goldendale, Wash. He was aged 38 years, 8 months, 3 days. About six weeks ago he sustained a severe strain while taking out the flues of the boiler at the Woodard mill. One of the flues was taken out with considerable difficulty and gave way only after an un- his ardent supporters say he is. That usually vigorous pull. The weight, sud-denly thrown onto Mr. Carlile, caused himself, and everyone seems willing to the strain. He continued at his work do his own deciding. The Sentinel

Mr. Carnie is survived by a widow any seven children, as follows: Vivian, 14; Marguerite, 12; Kenneth, 10; Grace, 8; Wendall, 5; Maye, 3; Ar-thur, 1. Sisters and brothers are Mrs. Lily Heron, Marshfield; Mrs. Viola Bo-many have found relief, either perma-tion of the second the secon Calif.; Mrs. Mary Doolittle, Weed, Calif.; Mrs. Phoebe Young and Frank Carlile, Cottage Grove, and Wesley and Will Carlile, Myrtle Point. Monroe Carlile, of Canada, is a half brother.

CAR STANDS ON NOSE IN

Occupants of a Stephens car had a

Believer and Disbeliever in Divine Presence Admit That Help Is Given to the Sick. Nothing which ever has taken place in Cottage Grove has caused more comment pro and con than the evan-

gelistic meetings conducted by Dr. C. S. Price. There is no question what-ever that the evangelist brings some power to strike those for whom he prays and a majority of the people of the community believe that those who believe that they are going to be bene-fited are benefited. The evangelist insists that there must be absolute faith that they are to be cured through divine influence. A remarkable case to show what influence the evangelist summons was that of a paralyzed baby. After the laying on of nands and the prayer it was able to raise its head and during the remainder of the meeting held its head up and looked into its mother's face, something it is said never to have before done. Many of the adults who were prayed for testi-fied that their bodily ailments have been greatly relieved or that they have

been completely healed. The meetings were held Monday, Tuesday and Wednesday evenings in the Methodist church, with overflow meetings at the Presbyterian church. The meetings at the latter church were not addressed by the evangelist, how ever, until Wednesday night. To secure a seat in the Methodist church many went there as early as 5 o'clock and at 5 o'clock, an hour and a half before the services started, practically every

scat was taken. Many who went to the services doubting that the things could be performed which it was said would be performed, came away believers that the divine power had visited the af-flicted. Others inclined to believe came away disbelieving that divine influence had been present. Except for the healing of the sick, these evangelistic meetings were no different than any other evangelistic meetings.

The Sentinel does not attempt to state whether Evangelist Price is what for two weeks until collapsing. He was taken to the hospital four weeks before death. Mr. Carlife is survived by a widow Camas Valley; Mrs. Rose Belieu, nent or temporary. Whether that re of permanent good accomplished. Be-liever and disbeliever must abide the

DITCH BUT ISN'T INJURED passing of time for proof or disproof.

R. N. A. Officers Elected.

A remarkable feature of the process is so that children in reaching for things that no heat is applied to the cylinder cannot tip it over. Do not use cotton to represent snow.

present.

gifts.

after the process once is started, the If you must have snow, arbonization of the wood being spon-Isneous.

The Stafford process depends upon an entirely new principle. Before Pro- relight the candles while parents are essor Stafford began his experiments, he wood used in carbonization work had always contained moisture. Pro fessor Stafford experimented with percetly dry wood. He found that when the dry wood was heated under his process to the temperature at which become dry.

he charring began the carbonization went along to completion without furher application of heat from outside

In the working out of the Stafford process in the Pacific northwest Doug as fir would be the most available species of wood and while this will not ove as favorable a material for wood listillates as hard woods or resinous

woods, it is the judgment of those fa miliar with the Stafford process that the growth of the Pacific northwest industries and the development of foreign markets will justify a wood carmization industry here of considerable magnitude.

Creswell Postoffice Robbed.

The postoffice at Creswell was obbed Sunday night, between \$12 and \$15 in small change being the booty. The thieves entered through the rear door of the building, against which wood had been piled from the inside to aid in making it secure. The thieves succeeded in moving the wood with so little noise that no one in the vicinity was aroused. The federal authorities have taken hold of the ense. It is thought that local parties be committed the robbery.

Grange Officers Installed.

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The following newly elected officers scored cylinders and burnt out bearings of Cottage Grove grange were installed and will certainly result in excessive at the last meeting of that organization: W. A. Hemenway, master; W. E. Dorward, overseer; Mrs. J. R. Hendricks, lecturer; Otto Dobberstein, steward; F. L. Bahrenfus, assistant Otto Dobberstein, steward; J. Hardy Crow, chaplain; M. M. Wheeler, treasurer; Mrs. Julia Ashby, secretary; J. R. Hendricks, gate-keeper; Mrs. W. E. Dorward, Ceres; by, secretary; J. M. Dorward, Ceres, keeper; Mrs. W. E. Dorward, Ceres, Mrs. J. Hardy Crow, Pomona; Mrs. P. H. Magee, Flora; Mrs. N. W. Wheeler, H. Magee, Flora; Mrs. N. W. Wheeler, H. Magee, Flora; Mrs. N. W. Wheeler, H. Magee, Flora; Mrs. N. W. They are Charles Lacky, presi-torsh. They are Charles Lacky, presi-torsh. They are Charles Lacky, presi-up will be Cleo More

survived by a son, John Siders, of Fre- the society cleared \$36.35. mont, Neb. The body was shipped to

Fremont for interment.

symbolic of the helpful guardianship of this cross over the children of our

country.

Do not permit children to light or MRS. A. B. WOOD SUBMITS TO CANCER OPERATION

Do not have instead time. Do not allow tree to remain inside buildings after the holidays. The tree buildings after the non-mendles have mitted for the removal of a cancer. Mrs. Woods is now convulescing in hospital at Paradise Valley sanitarium terial which comes with Christmas gifts. The operation was performed December 5 and at the time Mr. Wood wrote his Keep all Christmas decorations a wife had rallied with remarkable are distance from electric light bulbs. the operation was successful in every without first obtaining the approval way

Mr. Wood also writes: "I am interested to know if Opal Whitely has gone into total cellipse or whether she is still working to bring out a second volume of her diary. Is she now being promoted by the Putnam publishing house or is any knowledge available as to her future?"

temperature is lowered, a point is reached at which the oil ceases to THE DUCKS LAW ALLO THE DUCKS LAW ALLOWS

flow. The temperature at which this The finest string of ducks brought change takes place is known as the into Cottage Grove for many years After the car has been left standing for some time in a temperature below N. J. Nelson Jr., A. M. Moore and the "cold test" of its oil, the oil con genls to the consistency of grease. And because of this congenied oil film on lake on the Marshfield line. In the the bearings and cylinder walls, the string were a few Mallards, Canvas-engine is hard to start on cold mor-backs and Bluebills, but the greater nings. Also the chilled and sluggish number were Ruddies. A number of oil in the crank case is too heavy to be circulated by the oil pump, or splashed by the revolving crankshaft. Heine Home Robbed.

Heine Home Robbed.

A \$100 Liberty bond and a \$5.00 money order were stolen from the home of O. H. Heine, formerly of Cottage Grove but now of Eugene, Monday night while the Heine family was sleep. One or two members of the family who sleep upstnirs thought they heard noises on the first floor but paid little attention to it until they arose Tuesday morning to find papers strewn over the floor. No trace of the robbers or property has been found.

Basketball Teams in Practice Games. Both the boys' and girls' high school Christian Endeavor of the Christian basketball teams will purply the boys' line teams Thursday night. The boys' line up will be Cleo Moreloek and Roy Mrs. Bert Hands, secretary; Claude Heek, forwards; McCargar, center; Sherman, treasurer; Leslie Huil, ehor Wendell Cochran and Harry Skilling, play L. M. Siders, of Lorane, died Decem ber 16 at the age of 73 years. He had been a resident of that community for two years. Besides his widow he is

Delmas Richmond will substitute. The tf games will be in the armory.

GETS GOOD BAG OF DUCKS

Oliver Jones bagged five ducks a nuch about his string. He was out east of the city trying out a new gun and saw two wild ducks take to the water near the R. S. Trask place. He killed three more than he had aimed mmediately related to Mr. Trask what s himself a doughty hunter and knew easily a mistake of that kind their way. ould be made.

Mrs. Malissa Derrick Dies.

Mrs. Nancy Oglesby has received a ws of the death of Mrs. Malissa Lerrick, sister of the late Dr. Oglesby in Astocia, December 17, at the age of 83 years. Mrs. Derrick lived about Cottage Grove when a girl and is well known here. She is the twelfth member of a family of 14 children to die, two still surviving, and is herself the mother of 15 children. Death, it is shock of the Astoria tragedy. Mrs.

Derrick moved to Astoria recently from Salem and was making her home with a daughter.

H. A. Minter Raises Capons.

Two exponized chickens raised by H. A. Minter on the old J. C. Porter place Minter on the old J. C. Porter place five miles from the city on Mosby reek, have been on display in the vindows of the Galloway real estate and insurance office for the past week. Mr. Minter is raising the Capons on an extensive scale now, the birds weigh-ing from 6 to 12 pounds. Mr. Minter-shipped 25 of the birds to Portland

birds to Portland and 25 to Seattle Wednesday and has 75 more of the birds which will be eady to ship for the New Year' trade

Standard Oil Men Go to Meeting. T. G. Sudtell, C. E. Caldwell, A. A. Richmond and Earl Christensen, local

went to Eugene Monday night to tend a meeting of employes of company from Harrisburg, Corvallis, ottage Grove and Eugene. Oil re fining methods were discussed by P R. Melchert, gas expert of the Rich-mond and El Segundo, California, refining plants of the company.

The wantads make very interesting reading.

miraculous escape from serious injury Sunday when the car went over BUT IS NOT BRAGGING grade at the bad turn in Pacific highvay at the point in Pass creek canyon

where the rock crusher used to stand When the car hit the bottom of the few days ago, but he didn't distribute When the car hit the bottom of the any to his friends and isn't saying grade it was standing on its nose but instead of going on over on its back it dropped back onto its wheels and the occupants climbed out unscratched. Nearly a day's time was required to sneaked up on them, got the range get the car back onto the highway and banged away. When he waded and logging tackle had to be used to out after his game he found he had hoist it out of the ditch. The car highway seemed not to be injured in any way it, but that the five were tame ducks belonging to Mr. Trask. Mr. Jones acting rods between the wheels which neeting rods between the wheels which is part of the steering mechanism. The car came into the city on its own had happened and made settlement. car came into the city on its own Fortunately for Mr. Jones, Mr. Trask power, the injury was repaired within an hour and the party continued on

NEW CROSSING SEMAPHORE AT MAIN S. P. CROSSING

The Southern Pacific has installed a new crossing bell and swinging sema phore at its Main street crossing and has removed the old crossing bell, which set between the tracks and so far north of the crossing that it was not always easily visible to those wish ing to use the crossing. The new and semaphore is set east of the thought, came as the result of the tracks and the swinging semaphore is suspended from a erane that extends out over the street and this makes the sign plainly visible from both east and west.

Santa Visits Cottage Grove.

Santa Claus made his ann ial visit to Cottage Grove last Saturday and spent the day traveling about the city horse-drawn buggy loaded with mall gifts which he distributed among the hundreds of excited kiddles who followed him.

The community tree, lighted and col triul with electric lights, and the many windows full of attractive displays add to the holiday spirit of the city.

Remodel Garage Office.

The office and show space in the Long & Cruson garage has been enlarged this week, making extra space for a new cabinet for accessories and sufficient room for showing two auto mobiles. The interior of the new office and show room is being painted white

40 Below in Montana. ge "Judd" McQueen, who is in George Terry, Mont., this winter with an uncle, writes that the temperature has fallen to 40 degrees below zero and that he is suffering from frozen feet. Outside of that, however, he "is feeling fine and cating like a horse," he writes.

Watch the label on your paper. A tf

The following officers have been elected by the Royal Neighbors of for the coming year: America beth McFarland, Past Oracle: Mildred Baker, Oracle; Lena Sears, vice oracle; Elsie Currin, chancellor; Nellie Black-more, recorder; Sallie Hill, receiver; Jean Long, marshal; Esther Leonard, inner sentinel; Mattie Grable, outer centinel; Emaline Wilson, manager; Dr. Kime and Frost, physicians; Elnor Witte, musician.

overy business man knows what the result would be if all customers waited until the store was about to close before arriving to do their trading.

-the result would be the same if every Sentinel advertiser waited until the forms were about to close to get in his copy.

-every business man knows what the result would be if every customer waited until the last minute to let the stores know what had to be delivered a few minutes later.

-the result would be the same if every advertiser waited until the last minute to let the newspaper know how much advertising space had to be delivered in the paper to be printed a few minutes later.

-the fellow who is going to be escorted to a position on high accompanied by the heavenly choir is the fellow who always gets his advertising copy in at the earliest possible moment.

HAND VS. BURKE

to wrestle a finish match, best two falls out of three, in the Arcade theater, Cottage Grove, WEDNESDAY, JANUARY 3

A very good match is expected on account of both men being equal in weight and both have wrestled some of the best middleweights in the country.

Henry Burke, of Omaha, Neb., feels confident he can beat Ralph Hand, of Cottage Grove in a finish match. Here is his opportunity.

alumni

ward. Dana McCargar, Dale Miller and



