

Local and Personal

X-Ray Clinic - The chest x-ray clinic at Sacred Heart hospital, sponsored by the Jackson County Tuberculosis and Health Association, will be open Thursday, Sept. 22 from 2 to 5 p. m.

Boy Found - A eight-year-old Medford boy, reported missing to city police at 7:45 p. m. Tuesday was located about 2 a. m. by his father asleep in the family car, according to police reports.

Building Permit - A building permit to remodel a residence and erect a carport at 535 Haven st. was issued recently to Stan Parrish by the city building department. The project is valued at \$2,400.

Car Hit - A car registered to Glenn F. Willford, 108 East Main st., was hit by a truck operated by Arnold Carl Niedermeyer, 750 A st., Ashland, while it was parked on South Front st. between Eighth and Ninth sts., according to city police.

Garage Fire - A garage at the Ray A. Forbes residence, 825 Stewart ave., was damaged by fire about 4:30 p. m. yesterday. Exact cause of the blaze was not determined by firemen. They said it started in clothing in a corner of the garage and extended into the attic. There was some smoke in the attic of the residence, they said.

Patient - A surgery patient admitted to Sacred Heart hospital yesterday was Rodney Maddox, 8-year-old son of Mr. and Mrs. Eugene Maddox, 209 B st., Phoenix.

In Hospital - Miss Jean Boyd, daughter of Mr. and Mrs. Bob Boyd, 111 West Vilas rd., Central Point, is a patient at Rogue Valley Memorial hospital. She is in the sixth grade at Central Point Elementary school.

To Portland - Mr. and Mrs. Richard Henselman left today for Portland where he will attend a conference of the Dean Vincent corporation Thursday. Friday Henselman will attend a convention of the Oregon Association of Insurance Agents, and the two will return Saturday.

Malicious Mischief - Edwin Steele Cripe, 2682 Crater Lake ave., notified city police this morning that someone had entered the duplex under construction at 365 Bessie st. and emptied a one gallon jar of glue onto the floor, smeared it on a mirror and dumped saw dust on the glue.

Harvest Potluck - The Child Evangelism fellowship will hold a harvest potluck dinner Friday, Sept. 23, at 6:30 p. m. in the Red Cross chapter house 60 Hawthorne ave. Fred Beard, Eugene, chairman of the Oregon state committee of the Child Evangelism Fellowship will be guest speaker. The public is invited.

Collision - Vehicles operated by Jurgen Walfrid Ziegler, 4860 Hope dr., Central Point, and Martha Kay Gifford, 2216 Ruhl Way, Medford, collided this morning at the intersection of Ninth and Portland sts., according to city police. Martha Gifford was cited by police for failing to yield right of way.

Portland Livestock - Portland (UPI)—USDA—Cattle 400. Choice slaughter steers 26, some 25 late Tuesday; cutter-utility 15-17; utility cows 14-16; canners-cutters 11-12.50; utility bulls 10-20.

Common Stocks - Bid Asked Bank of America 45 1/2 47 1/2 Calif-Pacific Utilities 22 1/2 24 1/2 Cascade Plywood 29 30 1/2 Cons. Freightways 11 1/2 12 1/2 Copco 38 1/2 39 1/2 CYPAC Mines Corp. 22 1/2 24 1/2 First National Bank 53 1/2 55 1/2 Morrison-Knudsen 31 33 1/2 Northwest Nat. Gas 21 1/2 22 1/2 Pacific Pwr. & Lt. 30 1/2 31 1/2 Permanent Cement 12 1/2 13 1/2 Portland Gen. Elec. 31 1/2 33 1/2 U. S. National Bank 72 74 1/2 United Utilities 45 48 1/2 West Coast Tel. 27 28 1/2 Weyerhaeuser 32 1/2 34 1/2

Investment Funds - Noon quotations on selected funds: Fund Bid Asked Bullcock 10.80 11.40 Chem Fund 12.20 13.40 Colonial Ener 11.87 12.97 Eton Howard Stk. 11.51 12.31 Fidelity 14.67 15.66 Group Sec—Avia Elec. 8.51 9.33 Group Sec—Com Stk 11.92 13.05 Group Sec—Petr. 8.83 9.78 Group Sec—Steel 8.38 9.18 Group Sec—Tobac. 8.60 9.51 Keystone B-3 15.30 17.01 Keystone B-4 9.24 10.08 Keystone K-2 14.40 15.74 Keystone S-2 12.57 13.72 Keystone S-4 12.05 13.15 Mass Inv Grth Stk. 14.07 15.21 TFC-Elec. 8.47 9.47 Value Line Inc 5.19 5.87 Wellington 13.75 14.99

Obituaries

DIANE M. HOUSE - Funeral services for Diane Marie House, 8-month-old daughter of Mr. and Mrs. James G. House, who died Monday, will be held at Hillcrest Memorial Chapel Thursday at 3:30 p.m. The Rev. W. E. Martin, of the First Church of God, will officiate. Committal will be in Hillcrest Memorial park, with Conger-Morris, funeral directors, in charge of arrangements.

Diane was born Jan. 1, 1960, in Medford. Survivors besides the parents include two brothers, Jimmy and Richard; a sister, Patty; and grandparents, Mr. and Mrs. Harold Willis, and Mr. and Mrs. Orville Carney, all of Medford.

JOE WILLIS - Ashland-Joe Willis died at his home on Wills rd., Talent, early this morning. Funeral arrangements will be announced by Litwiler Funeral home, Ashland.

MAUDE B. WARNER - Ashland-Maude B. Warner, 76, Talent, died at her home Monday. She was born in Richland, Iowa, Dec. 3, 1883, and in 1943 was married to Jesse Warner. They moved to Ashland from Talent in 1954. She was pianist and a member of the Four Square church, Ashland.

Survivors include her husband, Jesse; two brothers, Maurice Starr, Chula Vista, Calif., and Cameron Starr, Mitchell, S.D.; and two nieces and nephews. Funeral services will be held at 1:30 p.m. Thursday at Litwiler's Mountain View chapel. Interment will be in Mountain View cemetery.

Over-the-Counter Western Stocks

Noon quotations on selected funds: The following bid and asked quotations, from the National Association of Securities Dealers, Inc., do not represent actual transactions. They are a guide to the range within which these securities could have been sold (indicated by the "bid") or bought (indicated by the "asked") at the time of compilation.

Portland Produce - Portland (UPI)—Dairy market: Eggs—To retailers: Grade AA, large, 35-36c; AA, medium, 34-35c; AA, small, 30-35c; cartons 1-3c additional. Butter—To retailers: AA and grade A prints, 70c lb.; cartons 1c higher; B prints, 68c. Cheese, medium cured—To retailers: A grade cheddar single daisies, 44-51c; processed American cheese, 5-lb. loaf, 44-46c. Portland (UPI)—Dressed chickens—No 1 grade dressed to retail: Fryers, whole drawn, 34-36c lb.; cut-up, 30-34c lb.; hens, heavy-type whole drawn, 41-43c lb.; light-type hens cut-up, 33-35c lb.; whole 28-30c lb.

Council Encourages Participation in Ashland-Talent Fund

Ashland - A proclamation encouraging Ashland residents to donate their "fair shares" to the Ashland-Talent United Fund was endorsed last night by Mayor Richard L. Neill and the Ashland city council.

The action was taken after a brief talk on this year's drive was presented by G. R. Durham, executive director, Oregon United Appeals. The drive will be held Monday and Tuesday, Sept. 26 and 27. The council also voted unanimously to set up a \$500 loan fund for the city's new hospital after the request had been made by Dr. Arthur Kreisman, chairman of the hospital board, and Robert Flynn, hospital administrator. The money will come from the city's electric fund and will be repaid from the \$350,000 hospital bond issue.

Flynn told the council the loan will be used to cover "miscellaneous administrative expenses that will be coming up" between now and the time the bond issue and federal funds may be spent, expected to be in about three or four months. The council voted to buy a 50 by 399 foot piece of property on Highway 66 for \$8,500. The property, owned

by Mrs. Charles Acord, is adjacent to the cemetery and contains a house, garage, chicken house and rabbit hutch.

Cause of Lung Cancer Possibly Chemical Action - New York (Science Service) - A contributing cause of lung cancer may be a chemical reaction or "defense" triggered by the introduction to the body of foreign substances, Dr. Andrew L. Reeves, biochemist at Wayne State University's department of industrial medicine and hygiene, reported to the American Chemical Society meeting here.

Cancer-causing agents, found in cigarette smoke, auto exhaust and city air pollution, injected into the windpipes of rats, provoked an immediate response in the animals' natural defense mechanisms against foreign body invasion. Scavenger cells accumulated at the site of deposition. In about six weeks, most of the injected chemicals were cleared out of the lungs, the biochemist said. This clearing process was accompanied by temporary changes in certain chemical balances within the cells of the lung tissue.

Skin Cancer May Be Tied To Body Protein Decline - New York (Science Service) - Skin cancer may be tied to a decline in body protein, the American Chemical Society learned today. A decrease in collagen, a protein normally found in abundance in the skin, accompanied the development of skin tumors in animals, Dr. I. Gordon Fels of the Veterans Administration hospital, Hines, Ill., reported. The decrease in collagen was indicated chemically by the gradual disappearance of an essential chemical building block for the protein, called hydroxyproline, he explained. This change makes it possible to trace "chemically what happens as a tumor makes its appearance and displaces the normal tissue." In developing this technique, Dr. Fels and his co-workers painted susceptible mice with a tumor-producing agent in solvent benzene. "Control" animals were painted only with the benzene for the same period. Returned To Normal Tissue injury was present in both groups of animals. Hydroxyproline levels dropped in both cases, but in the control animals they returned to normal after the painting was stopped. The telltale chemical made an "abortive rise" in the tumor-affected animals and they continued to decline until the skin was devoid of collagen. "The decrease in hydroxyproline content in the 'tumor' animals is believed to be caused by the destruction of the cellular agent responsible for the synthesis of collagen, namely the fibroblast," Dr. Fels said. In the case of the control animals which did not receive the tumor-producing agent, the process was reversible. In the case of the tumor animals, it was not.

Leaves of Labrador Tea, a small evergreen shrub in northern United States, are sometimes crushed as a substitute for tea.

Research Grant for High Altitude Radio Study Given OSC

Corvallis—A third research grant has been received by an Oregon State college physicist for promising basic research on breaking in radio wave transmission at high altitudes.

The breakdown is a complex problem that complicates flights at heights from 100,000 to 200,000 feet. It occurs because of differences in atmospheric pressure.

Dr. James J. Brady started the study three years ago with an initial \$14,000 grant from Boeing Airplane company. He received a \$12,000 renewal grant last year and has just been awarded another \$12,000 grant for 1960-61 work. John Skinner, Corvallis graduate student, is assisting Brady on the project as part of his work for a doctor's degree in physics. Brady and Skinner have uncovered some interesting leads into an understanding of the problem and ways to overcome it. Special laboratory equipment has been built that simulates atmospheric pressures at 100,000 feet and aircraft and missile speeds are simulated by circulating gases through the closed container at speeds approaching that of sound.

Weather

FORECASTS - Medford and vicinity: Fair and warm through Thursday. Fair to night 38. High Friday 60. Corvallis: Fair to night 38. High Friday 60. Medford: Fair to night 38. High Friday 60. Corvallis: Fair to night 38. High Friday 60.

LOCAL DATA - Temperature: Mean yesterday 60; below normal 3 in 1959. Record high this date 101 in 1952. Record low this date 34 in 1929. Precipitation: 24 hours to midnight, none. Midnight to 10 a. m., none. Total since Sept. 1, 12 inch, 18 inch below normal. Total since Sept. 1, 12 inch, 18 inch below normal.

FIVE-DAY FORECAST (through Sept. 26): Western Oregon - Western Washington - Precipitation unlikely in southwest Oregon. Showers likely in western Washington and northwestern Oregon late Thursday or Saturday night and again about Sunday with temperatures averaging near normal through Monday. High temperatures generally 58-64 in western Washington, 66-78 in western Oregon. Minimums in 40s.

plains. But in the 100,000 foot region, the air is a fairly good conductor of electricity and high frequency sparks occur in the atmosphere surrounding the radio signal sending antenna. When sparking occurs, the signal is dissipated and loss of contact with the ground results.

The two researchers have found that the power necessary to cause the breakdown goes up as the velocity of the gas increases and that the time required for breakdown to take place lengthsens. This suggests the possibility of short pulse signals that could be sent before breakdown occurred.

100 Freshmen to Enter OSC Honors School This Year

Corvallis - Approximately 100 entering freshmen are expected to qualify for participation in the Oregon State college school of science honors program this fall, according to President A. L. Strand.

The degree honors program was started last year with good success, President Strand noted, and will be enlarged this year and in years to come. Purpose of the program is to "enrich educational opportunities for the more able students and to recognize scholarly achievement." The OSC leader explained. Some 35 sophomores and 25 juniors will be included in the program this fall along with the 100 new freshmen. Beginning next year, the program will be extended to include seniors as well.

Under the program, students do extra work as special readings, research and seminars, and take some special classes throughout their college careers. At graduation, they will receive diplomas that indicate honors in their specific field. Honors sections have been organized in such departments as botany, chemistry, English, mathematics and physics. If the extra study load of the honors program proves too demanding, students may withdraw from the program at any time and resume normal course schedules. To be eligible for the honors program, a freshman must have ranked near the top of his or her high school graduating class and must have the recommendation of the high school principal or science teacher. Sophomores and juniors may apply for the honors program if their grades are above a B average and if they want to pursue the stepped-up study program.

A school of science honors council is in charge. Dr. David B. Nicodemus, physics professor, is council chairman this fall.

Wings May Help Man To Fly

London (Science Service)—Man may some day be able to fly by flapping a pair of artificial wings, two Chilean scientists assert. Drs. E. Guerra and B. Gunther of the University of Chile, Valparaiso, say it can be done simply by using the mechanical, biological, electrodynamic and aerodynamic similarities of birds and flying insects as a basis for calculation.

A 154-pound man equipped with 86 pounds of flight accessories would need wings about 10 feet long with a flight surface of 60 square feet. To maintain a speed of 45 to 50 miles per hour, he should flap his wings 35 times a minute or a little faster than once every two seconds. The up-and-down speed of the wing tip should be 15 to 20 miles per hour or about 10 feet per second. The force of a single wing beat would be 45 pounds. The man would be working about as hard as if he walked up 30 steps a minute. Under the right conditions, a man would be able to keep up this pace for from five to 30 minutes.

CRATERIAN ENDS TONITE