

MIGRATING BIRDS.

Shore Lines and River Valleys Help Them in Their Flight.

Experiences of aeroplane pilots with air currents have given to a noted English naturalist an explanation for the fact that some birds in making their annual migrations fly along coast lines and along river valleys. Judging from aeroplane experience birds would find it required less effort to fly along such routes. In the daytime water cools the air on most days, and over the water there is a downward current of air, as indicated by the noticeable sinking of aeroplanes and balloons crossing over a pond. At the same time there is more or less of an upward current of air along the shore line.

Upward currents of air greatly help flight, and many kinds of birds are known to take full advantage of them. So the naturalist sees an opportunity for birds to take advantage of upward currents of air in migrating by day if they follow the coast of a sea or the bank of a river. The effect would be most marked on the windward side of the water, so that if the birds do not fly along that side near the water they ought to. Whether at night there is an appreciable upward current of air over water is not so clearly established, but he believes it is likely and so would be of advantage to birds if they wished to use it.

A further explanation of such routes is that the birds might learn them in their migrations, for shore lines are the easiest of all markings on the earth for an aviator to see and follow, while on a still night the waves on the shore can be heard high in the air, marking the shore line.—Saturday Evening Post.

Europe Has Largest Tunnels.

The United States has for so long been pre-eminent in the realm of size that it comes almost as a shock to realize that the largest railway tunnels are on the continent of Europe. Of these the longest is the Simplon, twelve and a quarter miles through the Alps. Two others, the St. Gotthard and the Loetschberg, are over nine and one-third miles long, and the Mont Cenis is over seven miles long. In all there are fourteen tunnels over four miles long. The longest tunnel in this country is the Hoosac, four and one-third miles long.—American Machinist.

Don't Lose Sleep Coughing at Night.

Take Foley's Honey and Tar Compound. It glides down your throat and spreads a healing, soothing coating over the inflamed tickling surface. That's immediate relief. It loosens up the tightness in your chest, stops stuffy wheezy breathing, eases distressing, racking, tearing coughs. Children love it. Refuse any substitutes. Contains no opiates.—Adv. Patterson Drug Co.

REAL ESTATE TRANSFERS.

(Issued by the Crook County Abstract Company.)

U. S. Land office to John F. Nelson SW NW, W 1/2 SW, SE SW 28-14-16.

A. L. Wilcox to O. K. Wilcox one third interest in S 1/2 SW 8-18-14.

U. S. to Walter N. Dunkle patent N 1/2 SW, W 1/2 SE 24-17-25.

J. H. Jackson to Fred W. Wilson NE 19-19-12.

Chas. Altschul to Oregon & Western Colonization Co sections 1, 11, 13-22-23; sections 3, 5, 7, 9, 17, 19, 21, SWNW W 1/2 SW 27, all 29, 31, 33-21-24, \$21088.14.

James Turner administrator to A. H. Lippman E 1/2 SW 23-12-11; lots 2, 3, 4-13-11, \$306.

Northwest Townsite Co. to Lillian F. Cobb lt. 6, blk. 12 N. W. T. Co's. Redmond Acres.

Same to Same lt. 10, blk 9, N. W. T. Co's. 1st add Bend.

Same to August O. Harbaugh lt. 2, blk. 2, same.

John B. Wimer to C. W. Horner lts. 1, 2, 3, blk. 20, Laidlaw.

U. S. to Andrew J. Weston patent E 1/2 NE, SW NE, NW SE 21-14-12.

Dolph M. Clark to Rumley Products Co. S 1/2 SW 1; S 1/2 SE 2-10-13, \$2478.

Fred Marshall to John A. Cline lts. 1, 2, 3, 4, section 14-13-12.

E. R. Throop to S. J. Clemons SE NW, E 1/2 SW, SE 22; SW SW 35-15-25; W 1/2 NW, NW SW 4-16-25 \$2000.

U. S. Land Office to H. Earl Cross SE NW, SW NE, NW SE, NE SW, 8-16-16.

Bend Company to Bend Park Co. lt. 50, Center add Bend.

L. M. Burt to Henry Corvell W 1/2 SE 24; W 1/2 NE 25-22-9, lt. 15, blk. 28; lt. 14, blk. 17, La Pine.

Bend Park Co. to Carl T. Anderson lt. blk. 36, Center add Bend, \$250.

Oak D. Hall to N. M. Kjesbu SE SW, SW SE 8; NW NE, NE NW, SW, SW NE, SE NW, E 1/2 SW 17-21-22, \$5500.

Nels M. Muss to Olaf M. Muss SE 34-21-14, \$3000.

Chas. W. Colby to Thos. W. Lawson, trustee, for Douglas Lawson, N 1/2 SE, SW NE, SE NW 20; S 1/2 NE, S 1/2 NW, 17; N 1/2 16; N 1/2 NW 28; W 1/2 SW 21-17-18; SW SE 12-17-17; N 1/2 SE, SW SE 23; NW SW, SW NW 24-16-17.

Bend Company to Willis B. Lesh lt. 9, blk. 15, Center add Bend.

Robert Kurrie to R. P. Minter lt. 5, blk. 20, Center add Bend, \$500.

R. P. Minter to Nute P. Longeteig same.

Kenwood Promotion Co. to R. B. Webb lts. 13, 14, blk. 2, Kenwood.

Carrie E. Williams to Jacob H. Cook 1/2 NW, SW NE, NE SW 2-16-20.

Central Oregon Irrigation Co. to Glenn Cox, water right NE SW 11-16-12.

U. S. to Harry Van Meter W 1/2 NE E 1/4 NW 30-16-15.

Kenwood Promotion Co. to Jos. E. Rozell lts. 1, 2, blk. 12, Kenwood.

U. S. to John Hickey patent NW 25-14-31.

U. S. to Chas. H. Nelson patent (3) SE 23; SW SW 25; E 1/4 NE, SW

NE, NW SE, E 1/2 SE, SW SE, 26-14-21.

U. S. to Melissa C. Nelson patent E 1/2 SW, W 1/2 SE 25-14-21.

Chas. H. Nelson to James Cram E 1/2 SW, W 1/2 SE, SW SW, NW 25; E 1/2 SE, SW SE, E 1/2 NE, SW NE, NW SE 26; SE 23-14-21, \$10,000.

POWELL BUTTE

(Continued from page 3.)

Portland. Her little niece accompanied her home.

S. D. and W. G. Mustard were called to Spokane Friday on account of the serious illness of their father.

Jesse Shobert is the owner of a fine new buggy and the girls are looking envious.

Miss Ebba Lindquist returned from Prineville the latter part of the week where she has been attending summer school.

Dr. R. A. Allen of La Crosse, Idaho, has been a visitor at the home of his brother and sister, H. K. and Miss Mabel Allen, leaving for his home on Monday.

J. E. Warmer, Mr. Anderson, Earle Saunders and his brother, E. J. Saunders, returned Sunday from a two day's fishing trip to the Deschutes. They report a splendid time and lots of fish.

Mrs. Allen Willcoxon and Mrs. R. L. Ellis were dinner guests at the McCaffery home in Redmond Saturday.

Miss Viola Truesdale went to Redmond Friday to work in the Telephone office several days in the absence of the regular operators.

Mr. and Mrs. Roy Shurton of Portland, the former a brother of Mrs. E. N. Hall, arrived at the Hall home Saturday for a short visit previous to making their annual camping trip in the mountains south of Bend. This is the third consecutive summer that the Shurtons have camped at this same place. The trip is made in their auto.

John Reynolds left for his home in John Day after a week's visit at the Allen Willcoxon home.

J. W. Hornbuckle left for High Desert Monday where he expects to do some improvements on his homestead.

J. P. Doherty entertained Reeves Willcoxon and Geo. Morgan at dinner Sunday.

Rev. Baker of Madras was in these parts Saturday and Sunday delivering two sermons at the Wilson school house Sunday.

Mrs. E. A. Russett went to Redmond Monday for a few day's visit with relatives.

A ball game between the married men and bachelors was played at the station Sunday, with the score in favor of the latter.

Mr. and Mrs. Harry Speer and family visited at the McNeilly home Sunday.

Comforting to Stout People.

Foley Cathartic Tablets are a specially good little regulator that keeps your system in perfect working order. No billiousness, no constipation, no distress after eating, no greasy, gassy taste. A stout person who uses them constantly will really feel thin-

ned out and more comfortable as a result of their use. Adv. Patterson Drug Co.

PLAINVIEW.

PLAINVIEW, June 23.—Grace Riggs and Gleaves Strahm spent the afternoon at the Crawford home on Monday in honor of Misses Fay Crawford and Ruth Bayley's thirteenth birthday.

Mrs. Page, who has been in the hospital at Prineville, was brought back home the first of the week.

Gleaves Strahm spent the night at the Chalfan home Monday.

George Crawford returned home Monday from Hot Springs where he has been doctoring rheumatism. He is very little better.

Neils Peterson and N. D. Buckingham spent the evening at the home of John Strahm Monday.

Mrs. Harvey Cyrus is visiting with her father, Mr. Scoggins and family.

Eld Strahm returned home Wednesday with his bride, Miss Mertie Stuart, formerly of Prineville. The bride and groom are both well and favorably known around this country. They will make their home at the Strahm ranch, 7 miles southeast of Sisters. A crowd of fifty charivari-

led them Thursday night. The evening was spent in playing games and music, after which refreshments were served.

Mr. and Mrs. M. W. Knickerbocker were in Redmond Thursday.

FOR RENT—Two room suites furnished for light house keeping. Henkle & Ryan. 12tf—Adv.

HAMPTON BUTTE.

(Special to The Bulletin).

HAMPTON BUTTE, June 22.—Miss Alice Brookings is visiting with her brother Horace.

Miss Eva Michel called on Mrs. C. W. Ashbaugh last Monday.

Wm. Offield went out on Monday to spend the winter with his daughter, Mrs. Ridsen, who resides in Beattie.

Carl Hinman came home Sunday from Buck Creek to visit his family and attend the school election.

The school election resulted as follows: Jesse Monroe, director for 3 years; Carl Hinman was elected to fill the vacancy of Jas. Brickley and C. W. Ashbaugh, clerk.

Bert Meeks has gone out to Bend

for a load of freight. He was accompanied by Harold McFadden.

Miss Elva McFadden returned to her homestead last Thursday. Miss McFadden has not entirely recovered from her recent illness. Her brother Lyle came out with her.

N. S. Brown is hauling his household goods by wagon to his home. The trucks brought them as far as Brookings.

Last Thursday a number of Hampton Butte boys cleared off sage brush just west of Brookings Hotel for a baseball diamond. They will play the Lost Creek team in the near future.

Jim Wells of Pleasant Valley made a trip to Bend Friday, returning Saturday. He went by way of the trucks.

Mr. A. McKeown is out to Bend for a load of supplies.

Miss Alice Brookings made a business trip to Burns the last of the week.

Horace Brookings harvested rye

last Monday. It is the first harvesting that has been done in this vicinity this year.

Fred Miller has been doing some plowing on his homestead the past week.

A. B. Woolley and family passed through on their way to Bend last Thursday.

DON'T KNOW THEY HAVE APPENDICITIS

Many Bend people have chronic appendicitis (which is not very painful) and think it is just bowel or stomach trouble. Some have doctor for years for gas on the stomach, sour stomach or constipation and the Patterson Drug Co. states if they will try simple buckthorn bark, glycerine, etc., as compounded in Adlerika, the German appendicitis remedy, they will be surprised at the QUICK benefit. A SINGLE DOSE stops these troubles INSTANTLY.—Adv.

D.D.D. PRESCRIPTION for 15 years The Standard Skin Remedy Instant Relief for all Skin Troubles PATTERSON DRUG CO., Bend, Ore.

A Good Oil Stove does away with all the dirt and bother that comes with wood, coal and ashes. It makes light work and a clean kitchen. No wood, no coal, no ashes. New Perfection OIL COOK STOVE. Burns kerosene, the clean, cheap fuel. It is a fine stove for hot weather because it doesn't over-heat the kitchen. All the heat is applied at the cooking point. You can bake, broil and roast on it just as well as on a wood or coal stove—and much quicker and cheaper. It doesn't smoke or smell; doesn't taint the food. Get an oil stove and make summer cooking easy and comfortable. Dealers Everywhere. Standard Oil Company (California) Bend. FOR BEST RESULTS USE PEARL OIL.

SEE US FOR YOUR FLOAT FOR THE FOURTH BEND SIGN COMPANY

Building Material LUMBER, SHINGLES

The Miller Lumber Company Bend, Oregon.

Wenandy Livery & Auto Co. NEW AUTO TRUCKS Will be put on between Bend and Silver Lake April 1. BEND-LA PINE..... \$2.50 BEND-FREMONT..... \$4.00 BEND-FORT ROCK..... \$4.50 BEND-SILVER LAKE.. \$5.00 Reasonable Rates will be charged on all Express and Baggage.

WATCH THIS SPACE FOR A Special Announcement! Bend Water Light & Power Co.

FOR THE 4th OF JULY ON SALE JULY 3 AND 4 Final Return Limit JULY 6 THE Oregon-Washington Railroad & Navigation Co. WILL SELL ROUND TRIP TICKETS AT One and One-Third Fare Between all points (except on river or beach lines) where one-way fare is \$6.00 or less. UNION PACIFIC SYSTEM O-W. R. & N.