

SOCIETY

(Continued from page 2.)

Mrs. Dora Aufranc, Miss Elva Ault, Miss Helen Moynihan, Mrs. Lolla Bier, Miss Margaret Bolt, Miss Ivy Bowden, Miss Hattie Brown, Miss Lena Calhoun, Miss Marcella Caspell, Miss Mary Chadwick, Miss Ruth Cole, Miss Marguerite Crossman, Mrs. Helen Culp, Miss Myrtle Davis, Miss Esther Erickson, Miss Velna Gilliam, Mrs. Leo Gronke, Mrs. C. Winnifred Guthrie, Miss Ella Hahn, Miss Gladys Hargrett, Miss Jessie Harritt, Miss Mardette Heenan, Miss Hester Hillpot, Miss Dorothy Hinds, Miss Laverne Kanter, Mrs. Martha Kittredge, Mrs. Vivian Kittingwell, Miss Charlotte L. List, Miss Jessie Miller, Miss Marion Miller, Mrs. May Moores, Mrs. Leslie Springer, Miss Verda Olmsted, Mrs. L. E. Perty, Miss Violet Peters, Mrs. Ben Ramseyer, Miss Katie Reinhart, Mrs. Lottie Robbins, Miss Melba Robinson, Miss Volma Rominger, Miss Minnie Saalfeld, Miss Elizabeth Schotthoefler, Miss Dorothea Stensloff, Miss Bernice Strand, Miss Elsie Victor, Miss Ola Volkel, Miss Cleo Walker, Mrs. Mildred Waters, Miss Elsie Welch, Miss Frances Wiederkehr, Miss Ruby Wiederkehr, Miss Lydia Willecke, Miss Moneta Williams, Miss Audra Winship, Miss Elizabeth Zurcher, Mrs. E. Richardson, Mrs. Max Flanery, Mrs. Orlando Horning, Mrs. Harry Hutton, Miss Gladys Rarney, Miss Dorothy Kezar, Mrs. E. E. Brennan, Miss Edith Libby, Miss Welborn, Miss Maimi Victor, Miss Zelma Busch, Miss Florence Busch, Miss Myrtle Richardson, Miss Cecile Knox, Miss Inez Wood, Miss Grace Thrapp, Miss Gertie Capps, Miss Irene Bradford.

Former Nurse in Salem Is Now Resident of British Columbia

Salem people who knew Margaret Wishart as a nurse here will be interested to hear that she is now Mrs. Margaret Wishart Colbourne, and that she lives in Rossland, British Columbia. She has an interesting contribution in the local paper, The Rossland Miner, entitled "The need for educational training." The paper will be found at the State library.

Mrs. Yvonne Smith Is Honored on Birthday Anniversary

In honor of the sixteenth birthday anniversary of her daughter, Miss Yvonne Smith, Mrs. Robert Mills was hostess at a dinner dance at the Gray Belle Thursday evening. Thirty-two guests were present for the attractive affair. A delicious dinner was served at eight tables arranged in the Chinese room. A color scheme of pink was used in a delightful colonial effect. Miss Smith, the honor guest, cut the first piece of cake. Mrs. Carey Martin and Mrs. J. O. Hall assisted Mrs. Mills. In the group for the dinner and the dance were: the honor guest, Miss Smith, and the Misses Phyllis, Frances Martin, Bertha Babcock, Dorothy Whittaker, Alida Olsen, Julia Creech, Maxine Myers, Margaret Morehouse, Lorraine Kinser, Mildred Carson, Rutheda Hoffnell, Virginia Berger, Helen Milton Berger, Katherine Lonsbridge, Cynthia Delano and Harold Tomlinson, Ralph Harris, John Heltzel, Creighton Jones, Frank Loose, Chandler Jones, Basil DeLisle, John Creech, John Beyer, Ivan Kafoury, Don Evans, Brock Weatherford, Phillip Bell, Ed Nash, Russell Laughhead, Milwain Prudhomme and Mr. and Mrs. Carey Martin and the hosts, Mr. and Mrs. Mills.

Livingston School Sponsors Patriotic Program

The Livingston school gave the following patriotic program on Friday at 9 o'clock: America, sung by school; flag recital, "The Red and the White and the Blue," by three girls; song, "While They Were Fighting for Freedom," by eight girls; remarks concerning Memorial Day, Mr. Griffin, the principal; talks by J. R. Payne of Sons of Veterans and Mrs. Jennie Martin and Mrs. Bertha Loveland of the Woman's Relief Corps; and salute to the flag, followed by the singing of "The Star Spangled Banner."

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SANTIAM DIVERSION PROJECT POSSIBLE

(Continued from page 1.)

at Aumsville, 285 feet at Turner and 120 feet at the docks at Salem. All that is necessary to bring the Santiam river to Stlem now is to divert all of its water above Stayton to a channel along the mill race.

Standing on any of the hills northwest of Marion or on the one a mile east of Turner, one can see that the prairie bounded by these hills on the west and north and by the North Santiam river on the south is a broad fan with its vertex at Stayton and with a very gently sloping surface toward Shelburn, Marion, Turner, and Aumsville on its margin. This area is an alluvial fan having a radial dimension of eight to ten miles as the crow flies. In Linn county a larger one extends from Lebanon to Albany.

This kind of fan is built "by stream deposits in some such way as a delta except that the delta is built into water and the fan on land where a stream spreads material out on a more gentle slope than the one from which it flows more rapidly and obtains its sediment. As a stream must flow over all parts of its delta many times in making the delta, so a stream must flow over all parts of a fan many times during its construction. The North Santiam now flows toward Shelburn over the southern part of this broad Stayton-Marion-Turner fan. It once coursed past where West Stayton and Pleasant Grove now stand and once traversed the northern margin near Aumsville. At other times during the long period required to build this area, the river flowed over every part of it.

When the Santiam built the margin of the fan at Turner, it must have followed the lower elevations through the gap northwest of town for the bluffs there on either side are distinctly the work of a larger stream than Mill creek. Of the various courses which the ancient Santiam may have taken from the Turner gap to its confluence with the prehistoric Willamette, the Mill creek depression is the solution most readily seen to be possible.

Some 20 years ago in digging a well near the Fairgrounds a part of a cedar log in a fair state of preservation was found at a depth of 62 feet. This log was at the surface, possibly near the bottom of a river channel, at the time it was buried and the thickness of river-borne sand, gravel and other material at this point equals or exceeds this depth. How were so many feet of river sediment (alluvium) brought to this position? Rivers carry much more sediment than is commonly supposed. Measurements made during a period of several years by the United States Geological Survey show that an average of 2,000 tons of suspended matter per day are carried by the Willamette river at Salem and that a daily average of more than 3,000 tons of mineral matter are taken past Salem in solution.

The work of transporting the river deposits that cover the major part of Willamette valley, ten to 80 or 70 feet, must have been done chiefly by the Willamette of those earlier days with the aid of its tributaries though it may have been started by the work of the waves and tides of a retreating sea. Undoubtedly the parent stream at one time ran much farther east than it does now. Perhaps the Willamette river or a part of it at one time carved the river valley that stretches north-eastward past Chemawa, the present site of the Lake Labish ditch, and whose lower part is now occupied by the Pudding river. Without doubt the ancient Santiam and other tributaries from the east side of the valley brought

a large part of the material used in building up this area.

Not to be outdone by their modern descendants, the ancient streams partially filled their channels as they changed from one position to another. By later streams was this leveling and filling continued in the same areas and the final stages were completed or are still in progress, the work being done by Pringie creek, Mill creek, the Pudding rivers and others. Of the many channels in this vicinity occupied by the shifting rivers of long ago, only a few remnants remain to tell their story of how these earth materials were brought here from the excavated valleys of the slightly distant hills and from the mountains farther away. For the very surface on which it stands Salem is indebted to the ancient Santiam, to its contemporary streams and to a few other geological agencies.

What good does it do any one to know these things or to spend time trying to learn about them? Who cares where the mill race comes from? The best things in all of one's experience are those whose value is too high to be estimated in terms of dollar marks. These great changes that take place during long periods of time make some of the most useful stories of the earth's history as it is revealed by the record that is written in the rocks.

By thinking in terms of this subject one learns to realize the immensity of geologic duration and the insignificance of the length of a lifetime as we know it. By the study of this history man is aided in the realization of his responsibility to the world about him; he is inspired to higher ideals in his relations with his fellow man and in the field of intellectual achievement; he is stimulated to a more intelligent understanding; of the powerful forces in nature and of their influence on the origin, on the progress and on the destination of the human family.

FALLEN HEROES DESERVE HOMAGE

(Continued from page 1.)

shine and shadows may not play. They are at peace. On this Memorial Day the spirit of these heroes will appear to us in the parade of the dead. Tramp—tramp—tramp—comes the sound of muffled steps as they march with mute and measured tread down the street. Rank after rank—with faces gray and eyes straight forward they pass

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and pass—and pass and pass. They are our dead. They knew how to suffer and die. They followed the gloom.

Make room ye Greeks of Marathon, ye Six Hundred of Balaklava, for these Americans who came from farm and city to answer the call of service.

Pin on each breast the Cross of Honor. Award each one the Divine Halo as they march by in this endless procession. They are our kin—our blood—and we would be worthy of them. We would take them in our arms and hold them proudly up before God and all mankind. We would be of their breed.

They pass and pass and pass and pass—and then there comes a face all gray and set—it turns our way—it grips our heart—our blood. A smile passes over the countenance—the eyes they burn—they grip—they hold. The pale lips move and there comes to us in accents hushed: "To you from falling hands we throw The torch—be yours to hold it high."

The race has not run out. Not in pride nor vain boasting will we speak on this Memorial Day; but rather with humility our answer will be given as those fallen heroes march with muffled tread. "And we will keep faith with you who lie asleep Each with a cross to mark your bed; And poppies blowing overhead Where once your life blood ran red. So let your rest be sweet and deep In Flanders' field.

Fear not that ye have died for naught; The torch ye threw to us we caught; Ten million hands will hold it high And Freedom's light will never die; We've learned the lesson that ye taught— In Flanders' field."

Eugene—a new five-story apartment house to have 66 apartments under construction.

Marshfield—Southern Pacific railroad plans to build new station in Marshfield.

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