

NEW TEACHERS ARE NAMED BY SCHOOL BOARD

West Salem—The school board held a business session Thursday evening and selected seven of the teachers for the next school year. The principal has not yet been chosen. Miss Beale Shinn who has held the position for a number of years, did not care to keep it any longer. Miss Hazel Emmett was chosen to continue as teacher of the seventh grade. Mrs. Ethel Grant who is now teaching the third grade was advanced to the sixth grade. Mrs. Roberta Peterson, who is new to West Salem schools, will have charge of the fifth grade. Miss Catherine Chandler, will continue as first grade teacher and Miss Flora Polley as second grade teacher. Miss Golda Martin of Dallas who will be the third grade teacher and Mrs. Ethel L. McCoy fourth grade are both new to West Salem, but have been well recommended. A motion prevailed that teachers whose homes are out of town shall be required to live in the district. A motion prevailed to hire F. E. Birch to be the janitor of the schools next year, engaging him for the twelve months.

WEST STAYTON SCHOOL FUNDS ARE BOOSTED

West Stayton—A school benefit program was recently given at McLellan hall by pupils of the West Stayton school, Mr. and Mrs. McClendon in charge, assisted by community and other talent. The hall was crowded beyond its seating capacity with parents and interested friends. The numbers consisted of magical illusions by Robert Wood, Stayton; three one-act comedies, a mock health clinic and a negro minstrel with near-professional acrobatic and "buck and wing" dancing. This was interspersed with vocal solo organ solos, readings and group songs. All numbers were announced an ever radio station WSGS, and it is heard from often. The proceeds derived from this program (\$19.50), will be used for the purchase of flags and sundry necessities of the school. Special thanks for participation in this community-get-together program are due to Mrs. Dickman, Mrs. Royce, Mrs. Asche, Mr. Stewart, Mr. Chamberlain and Mr. Rand of West Stayton; Robert Wood, Marion, Mr. Lanspman and Mr. Brantley of Stayton.

MAY QUEEN CHOICES MADE BY STUDENTS

Independence—The students of the high school nominated their candidates for May Queen from the senior class Wednesday. Miss Wynne Troxel and Celeste Cuthbert are the two nominees. The election will be held next Wednesday. Friday night was held the annual senior chicken feed at the home of Mrs. F. G. Hewett. The committee in charge were Glenn Hillebrand, Midge Hewett, Lynn Cook and Louis Hershberger.

MOTHERS GUESTS AT KINDERGARTEN HOUR

Independence—The monthly meeting of the mothers of the kindergarten children was held Thursday afternoon in the training school. Miss Goddard, teacher of the kindergarten room acted as chairman and a readable discussion of the problems of mothers arising from the habits of children, consumed considerable time. Those entering the discussions were Mrs. McConnell, Mrs. Morris, Mrs. Dewey, Mrs. Boyce, Mrs. Barnhart, Mrs. Pomeroy, Mrs. Glen Smith, and Mrs. Wood.

POULTRY RANCH IS VISITED BY PUPILS

Auburn—A group of 35 pupils from the third and fourth grades of the Garfield school in Salem, accompanied by their teachers and others, visited the Lloyd Lee hatchery and poultry farm. They were shown through the large incubators and shown the method of turning the eggs and the cooling of the eggs. They also were shown the new incubator and the brooders and the grading pens and other devices and buildings. Those accompanying the children were Mrs. J. D. McCormick, who had general charge of the group; Mrs. G. L. Ford, O. A. Alexander, Dr. J. W. Lewis, Mrs. H. D. Mueckner and her mother, Mrs. P. Director, G. H. Riches, Mrs. C. E. Neilson and Mrs. C. L. Sherman.

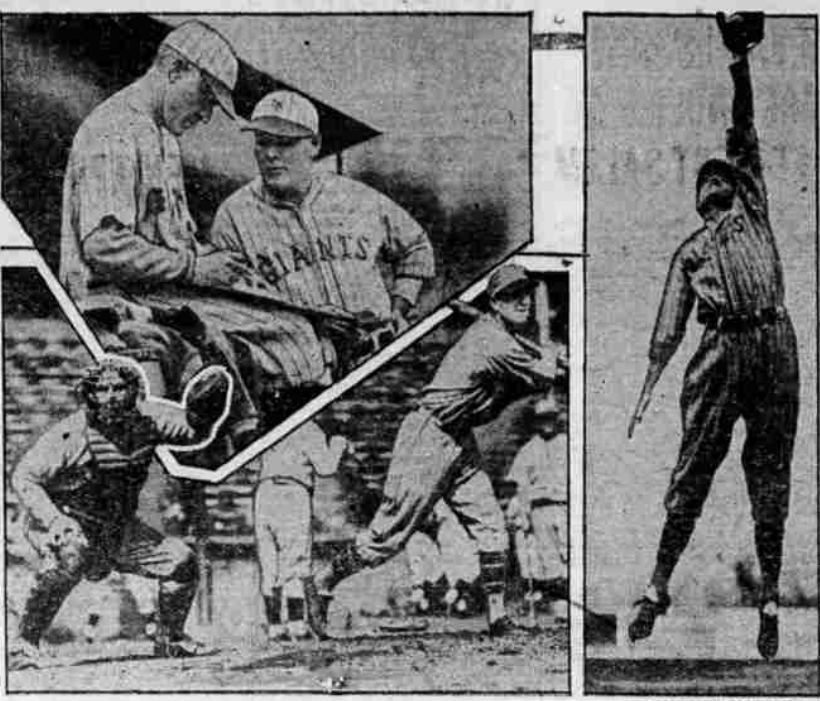
WAMPLERS ARE HOSTS FOR CARD EVENING

Hazel Green—Mr. and Mrs. Louis Wampler were hosts recently for a card party. Three tables of "500" were in play during the evening with Mrs. Elizabeth Haselbacher and Peter Haselbacher winning high scores. At a late hour refreshments were served by the hostess, assisted by Mrs. Lou Faust. The guest group included Mr. and Mrs. Lou Faust, Mr. and Mrs. Edward Haselbacher, Earl Rutherford, Miss Sophia Haselbacher, Leonard Faust, Maurice Dunningan, Peter Haselbacher and Mrs. Elizabeth Haselbacher.

TAKEN INTO CHURCH

Kingswood—Members taken into membership at the church at Summit at the close of the revivals were Mrs. Ammon Grice and Mrs. Albert Bouffleur, and four children baptized. They were Ammon and Shirley Adams, Irene Grice and Dorothy Bouffleur.

GIANTS IN ACTION AT SAN ANTONIO TRAINING CAMP



Upper left: Assistant Manager Dave Bancroft (seated) and Coach Irish Meusel make out a lineup for a rookie game at Giants' San Antonio training camp. Lower left: Travis Jackson lining out a hot one. Hogan is the catcher. Right: Eddie Marshall, a second base prospect, reaching for a high one.

STAYTON WATCHFUL FOR AERIAL VISIT

Stayton—Ivan Kearns sent his parents, Mr. and Mrs. Thurston Kearns, a telegram that he was flying into Stayton from Seattle where he has been receiving aviation instructions. Thursday he arrived and landed on Myers Hill where his father had placed a signal flag. He was accompanied by a friend.

SENIORS TO OFFER CLASS PLAY SOON

Silverton—The senior class will present its class play March 28 at 8 o'clock in the auditorium of the high school building. They will present "The Millionaire," a 3-act play. The eleven in the cast are, Anna Lytle, Ruth Larsen, Franklin Evanson, Roy Canoy, Chester Lee, Billy Eastman, Jane Evanson, Roger Eaststock, Kenneth Dahl, Gertrude Thurman and Merle Harwood. Prof. Delay is directing the play and John Benman is business manager. Property managers are Eugenia Russel and Ernest Johnson. Helen Thompson and Frances Nelson have charge of the costumes. Milton Ness is stage carpenter and Kenneth Williams stage manager, and John Paulson, house manager.

CANNELLS DEPART FOR COAST HOME

West Salem—Rev. and Mrs. F. L. Cannell of Bay City, who have been spending the week in West Salem attending various church meetings and visiting old friends, returned home Saturday.

Rev. Mr. Cannell and family were located here four years, during his pastorate in Ford Memorial church and their friends have been showing their pleasure at meeting them again after about two years' absence. They were dinner guests at the homes of Ed Brock, J. A. Gosser, Conrad Fox and J. R. Bedford; luncheon guests of R. V. Seberns and George Stewards; and breakfast guests of Guy Newgent and J. T. Hunt and were entertained overnight at the homes of George Chapman and J. T. Hunt.

PECK WILL SPEAK

Woodburn—Professor A. L. Peck, head of the department of landscape architecture and horticulture of Oregon Agricultural college will speak at the March meeting of the Woodburn Garden club Tuesday evening at 8 o'clock at the public library. Every one is invited.

GREENHOUSE AMONG AUBURN IMPROVEMENTS

Auburn—Several of the men in the community took advantage of the few days of dry weather and burned dead grass and weeds in their fence rows this week. Ross Clark tilled and terraced the entire front of his place this week. Murray Johnston is tilling and terracing the front of his place this week. William Haynes, district road master, is opening roadside drain ditches in front of the Auburn school house grounds and in a number of places have become clogged. He is also clearing away weeds and brush along the roadside fences. Murray Johnston is assisting him.

Charles Cady is tilling and grading about a 60 foot approach at his south entrance road. Percy McElroy has razed the old J. A. Poole hop dryer, located across from the Auburn school house, and is contemplating the building of a pretty residence and other buildings, and setting out some ornamental shrubs. He purchased the property last fall. A new greenhouse is under construction at the Chestnut Farm, where the firm of Field and Bagley are growing mostly market cucumbers and tomatoes. The new greenhouse measures 44 to 200 feet and is an all iron frame construction. William Fischer has charge of the construction with Leo Sutter, Elmer Gripenrot and Leonard Burgoyne assisting. There will now be 28,000 feet under glass with plans for another building next year.

SURPRISE FEATURE OF QUILTING BEE

St. Paul—A pleasant afternoon was spent at the Bunning home when a party of women gathered for a quilting bee. They surprised the hostess by making it a handkerchief shower in honor of her birthday. Those present were Mrs. L. C. Woodruff, Mrs. L. E. Ernst, Mrs. Charles Brentano, Mrs. Bernard Brentano, Mrs. Steve Merten, Mrs. R. McNamee, Miss Viola Connor, Mrs. Mary Bunning and Mrs. L. H. Bunning.

PLAY IS SPONSORED

Brooks—The Brooks Parent-Teacher association will sponsor a play entitled "Two Days to Marry," which the Scotts Mills P.-T. A. will present in the Brooks school house Friday evening, March 21.

A. M. Clough J. Dale Taylor

Clough-Taylor

COMPANY

Funeral Directors

Lady Assistant

205 S. Church
Telephone 120

INFORMAL SEWING CLUB ORGANIZED

Auburn—A group of junior girls have been holding an informal sewing club under the direction of Mrs. E. R. Sloan at her residence near the Lachmond station. The girls hope to organize later for a 4-H club. It is understood that there will be two new teachers at the Auburn school although final announcement has not been made as one member of the school board, C. J. Griffith, is in California where he will remain for the summer.

Shaw—The Grubenhoff family, which came here recently from Washington, have acquired the property formerly owned by Mrs. J. Wells.

POLK COUNTY'S CLUB PROJECTS STILL GAINING

Dallas—Josiah Wills, a leader of boys' and girls' clubs in Polk county reports five additional clubs, which raises his list to about 30 organizations in the county at this time. The new clubs have elected the following officers, named in the order of local club leader, president, vice president and secretary: Bridgeport, No. 7, a cooking club. Mrs. R. P. Dodge, May Campbell, James Dodge, and Louise Lorimer, starting with nine members. Airlie, No. 17, cooking: Erma M. Werth, Alvin Herron, Harold Withrow, Jacob Plomb, starting with 12 members. Salt Creek, No. 10, sewing: Lena E. May, Mildred Schneider, Edna Muller and Bernice Buhler, beginning with 7 members. Orchard, No. 15, poultry: Henry Hockstere, Irvin Voth, Edna Voth, Theodore Tocens, with 9 members. Oak Grove, No. 18, sewing: Edna Beck, Marjorie Smith, Maxine Fawk, Laura Peterson. Wills states that club work season is just opening and more clubs are expected to enroll soon.

MARSINO BREEDEN TAKEN, WOODBURN

Woodburn—Marsino N. Breeden, 31, died at his home just east of the Standard oil plant on the Silverton road Thursday afternoon after a lingering illness. The body will be shipped to Fresno, Calif., where funeral services will be held under the auspices of the Elks. Surviving are his wife and one daughter, Gladys aged 7. Breeden was married to Miss Edith Rector, formerly of Hubbard at Oakland, Calif., where he was employed by the S. P. company. Failing health caused him to discontinue his work, and last August the family came to Woodburn, hoping the change would benefit his health.

PLAN FARMERS' UNION LaFayette—Mr. Grimes, who is organizing farmers' unions in Oregon, held a meeting at the LaFayette schoolhouse and several of the farmers signed up to start a union here.

LAST SHOWINGS TODAY

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The Original "Gold Digger of Broadway"

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TONIGHT IS PREVIEW NITE!

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DETAILS OF NEW FILTRATION SYSTEM

The raw water for the filter plant will be obtained from the Willamette river, through a combined intake tower and low lift pumping station located on land owned by the Oregon-Washington Water Service Company on Minto's Island, opposite Salem. The water will be taken directly from the main river channel on the farther side of the island and beyond the point where it is now obtained.

The pumping station will be a tall bridge-pier type structure, 28 1/2 feet long, 14 1/2 feet wide and 40 feet from low water to the operating floor level. The operating floor is set well above the highest recorded flood level. The station is very substantial constructed of reinforced concrete, with a reinforced concrete and steel sheet-piling foundation. It will be visible from the West Salem road and when lighted at night will have a fine appearance.

There will be three pumps in this station, two 1800 gpm pumps and one at 2400 gallons per minute capacity, driven respectively by two 30HP motors. The pumps are of the vertical double-suction wet pit type, and are driven by enclosed motor shafts connecting to the motors on the operating floor above.

The operation of the station is to be controlled from the filter plant in Salem, by means of remote control cable and mechanism. It is the intention to begin construction of the pumping station by May 1, 1930, and to complete it not later than July 1st, 1930.

From the pumping station, the raw water is to be pumped through a 25 1/2 inch internal diameter centrifugal cast reinforced concrete pipe, 1450 feet long, to a connection with a 24 inch welded steel pipe crossing under the east arm of the Willamette river, and thence through an existing 20 inch steel pipe and 10 inch cast iron pipe to the Water Service Company's property at Trade and Commercial streets in Salem, Oregon. The 25 1/2 inch concrete pipe was laid this last autumn at a cost of about \$20,000, and the 24 inch steel pipe was laid a year ago. Water in this pipe will be under a normal pressure head at approximately 50 feet and as water cannot be delivered from this river pumping station to the filter plant, under the pipe being under this considerable pressure, there need never be any fear that river water may leak into this pipe.

The filter plant property is to be located on the present property owned by the Oregon-Washington Water Service Company at Liberty and Trade streets. The raw water will enter the plant via a channel in the coagulant house. As the water enters the coagulant house it will receive a continuously measured, extremely small amount of aluminum sulphate, delivered by a Gaunt dry feed machine. The water will then pass to the two coagulant mixing tanks. These are concrete tanks 18 feet in inside diameter and 20 feet 3 inches deep, connected in series.

The water in passing through these tanks is given a rotary motion by means of electrically driven paddles in each tank. The water enters at the top of the first tank, passes out at the bottom into the second tank, and passes out at the top of the second tank into a channel leading to the sedimentation basins. The time of detention in the two tanks at normal operating rates is 20 minutes. This thorough mixing of the aluminum sulphate with the water to be filtered conforms to the very latest filter practice. The required amount of aluminum sulphate to be added to the water will depend upon the condition of the river water and will be constantly under the control of the Salem chemical laboratory.

After leaving the coagulant mixing tanks, where thorough flocculation of the aluminum hydrate is obtained, the "floc" with its accompanying turbidity is settled out in the sedimentation basin. This is rectangular basins 105 feet long by 94 feet, net inside, and 13 feet deep net, and has a retention period of 3 1/2 hours under normal operating conditions. The basin is divided in half, for purposes of cleaning when required. The slow rate at which the water passes through these sedimentation basins allows practically all of the sediment in the water to be settled down with the "floc" so that there will be little left for the filters to remove.

From the sedimentation basin the settled water is carried by a concrete channel to the filters. Space has been provided in the filter house for six filter units of one million gallons daily normal rated capacity, of which four are proposed to be placed in operation at first, leaving two in reserve.

The filters are of the rapid sand, open basin, gravity feed type, and measure 14 feet by 25 feet of superficial sand area. The filter boxes are 12 feet deep. The filter boxes are arranged in groups of three on each side of the pipe gallery. The influent to, and the wash water waste from the filters, are controlled by hydraulically operated sluice gates.

The sand layer in the filters is to be 24 inches deep, of specially graded and selected sand of uniform size, and is supported on a 24 inch layer of gravel graded from large at the bottom to fine at the top. The underdrains will consist of 25 lines of 3 inch brass pipe drilled with 3/8 inch holes spaced 5 inches apart along the laterals. The water, after it has passed down through the 48 inches of sand and gravel filter beds, will be collected in this underdrain system of pipes.

After passing down through the sand, the gravel and the underdrains, the filtered water will be piped to a regulating device which will maintain a constant rate of filtration. The rate of flow regulators will be 10 inch Venturi type effluent controllers. From the controllers the filtered water will drop into the clear water basin located directly under the filters. This basin is approximately 52 feet wide by 67 feet long by 13 feet deep inside dimensions, and has a capacity of approximately 300,000 gallons.

During operation, when the loss of head through the filters approaches 12 feet, the filters will be washed by reversing the flow of water through the underdrains, and forcing filtered water up through the sand, and over baffle boards (5 in each filter) discharging into a drain channel along one side of the filter. The filtered water for washing will be supplied by an hydraulic ejector type pump and after it passes upward through the gravel and sand will be wasted into the waste drain. This filter washing process thoroughly cleans the sand and gravel and the filter bed is then ready to be put into regular operation again.

All filter valves and sluices will be hydraulically operated from four-way valves located on panels on the filter operating floor. Each panel will have also a rate of filtration and a loss of head gauge.

After the filtered water is collected by the underdrain system beneath each filter bed, it will flow to the present pumping station from which it will be pumped to the distribution system and the reservoir. The present suction pipes leading from Minto's Island to this pumping station will be disconnected and the sole source of water for the present main pumping station will come from the filter plant. A new pump will probably be added to the present pumping equipment in order to provide ample reserve capacity.

The greater portion of the plant is to be housed and roofed over. Over one-half of the sedimentation basin there will be erected a warehouse for storage of materials and equipment. Water works materials for all the systems in Oregon and Washington will be kept in this warehouse and will be distributed to the other plants in small quantities as may be required.

The remaining half of the basin is designed for future aerator basin, if preparation should ultimately prove to be necessary. The second floor of the coagulant house over the coagulant mixing tanks is designed for the storage of the aluminum sulphate. The railroad siding on Trade street alongside the warehouse and coagulant storage warehouse will afford convenient access for rail shipments.

In connection with the filter plant a new 24 inch cast iron delivery main will be laid from the present main pumping station along Trade street to Liberty street. On Liberty street a 24 inch cast iron main will be laid from Perry street to a connection with the present 14 inch cast iron main near the north end of the new concrete bridge on Liberty street. From this point south there will be laid an 18 inch cast iron main on Liberty street, on Leffelle street to John street, and on John street to Lincoln and John streets where a connection will be made to the present reservoir. The large gate valves for this work are here and distributed to the proper points. The first shipment of 400 tons of cast iron pipe and fittings will arrive at Portland by boat this week, and the balance of 350 tons will arrive 2 or 3 weeks later. The cost of the material of these mains has been let to Harmon & Tuttle of Salem.

The present reservoir at Lincoln and John streets will be relined with cement by the gunite method. This process has never been used in Salem and it will be interesting work.

The millrace through the Company property east of the present pumping station is now being lined with galvanized and vertical sheet piling. Harmon & Tuttle are now doing this work in order to have it complete before filter plant excavation begins. This work will give additional space for earth excavated from the filter plant and improve the appearance of the grounds.

The filter plant structures are to be strongly built of concrete, rather massive but well proportioned. It is proposed to use a style of architecture simple, dignified and suited to the district in which the plant is located. The roofs will be covered with large red tile. The grounds are to be improved and planted with lawns and gardens, and the site made attractive to the eye.

The first development at the filter plant is proposed to be 4 million gallons daily normal and 6 million gallons daily maximum capacity, with four filters completed. With the two presently incomplete filters placed in operation, the capacity will be 6 million gallons daily normal and 9 or 10 million gallons daily maximum capacity. Space is available on the present site for an ultimate maximum of 15 million gallons daily capacity which will probably not be reached until the year 1945 or later.

Standard practice has been adhered to throughout the design of the entire filter plant. Professor Wilfrid H. Lenzwiler of the College of Civil Engineering, University of California, has acted as Consulting Engineer on the design. The general type of design was determined by Mr. T. H. Wiggin, President of the Public Works Engineering Corporation of New York City. The plans have been developed under the direction of Mr. E. K. Barnum, Vice-President of the Public Works Engineering Corporation of San Francisco.

OREGON-WASHINGTON WATER SERVICE CO.

SALEM, OREGON