

we lead, others follow,
polar cake
the new chocolate coated
ice cream
on sale now, at the
home bakery
J. B. Kamberger, prop.

Beaverton Lumber Yard
All kinds of
BUILDING MATERIAL
as - Paint - Varnish - Nails
Lath
Cement
Shingles
Lumber
Saw
Plaster
Gypsum
Lime
Etc.
F. G. HAULENBECK, PROP.

R. S. JOHNSTONE
BARBER
Shop fully equipped with latest
dental devices and everything
that a first-class shop should
have.
ROSE BUILDING
BEAVERTON, OREGON

W. E. PEGG
ORIENTAL AND
FURNITURE DIRECTOR
Mineral Substitutes
Call covered day or night.
Prompt Service
BEAVERTON - Oregon

DR. GRAFFIN
Osteopathic Physician
Beaverton, Oregon
Office at Residence
Corner Watson St. and Third Ave.
Tuesday, Thursday Saturday

C. J. STEVENS
BARBER
Laundry Agency
Highway and Watson St.
Beaverton, Ore.

W. G. HILL
BEAVERTON
Contractor in all building lines

FRED JENSEN
ATTORNEY AT LAW
Portland Office: 726 Board of Trade
Beaverton - Oregon

Rogers Auto Transfer
271 Taylor Street
Daily trips to Beaverton, Hillsboro and
Forest Grove
Phone: Main 6765; A3118. Res. B1464
Garage: Keating-Long Distance Moving

**MARSHALL'S PIPELESS
FURNACES**
and
ARCOLA HEATERS
Sold and Installed by
**BEAVERTON
Plumbing Co.**
Phone Scholls 1 - 11

Jos. A. Lagerfeld
Attorney-at-Law
Public Accountant and Auditor
Income Tax Service
235 Fading Bldg. Beaverton, Ore.
Portland, Ore. Phone 35-15
Phone Automatic 52405

Losli Bros.
Beaverton
**BATTERY CHARGING AND
REPAIRING**
VULCANIZING
United States and Flak
Tires and Tubes
Beaverton, Ore.

Phone—Res.: Tabor 7736; Long Dist.
Naber, Oregon. Office, Marshall 400.
DELBERT A. NORTON
Attorney-at-Law
Suite 605
Cassidy Bldg. Portland, Oregon

OREGON NOTES

News in Brief, Gathered From
Various Parts of the State

Boiler inspectors of Oregon will hold a conference in Portland Saturday, January 28.

A total of 7291 lineal feet of cement sidewalk was laid in Cottage Grove during 1921.

Fire losses in Oregon, exclusive of Portland, during the month of December, aggregated \$138,000.

Receipts of the Albany postoffice for the last month were 11 per cent greater than during December, 1920.

Fines collected in the nine justice courts in Clackamas county during 1921 nearly trebled those for 1920.

Announcement was made by the finance corporation of a loan of \$125,000 for agricultural and livestock purposes in Oregon.

Records at the Gaston postoffice show an increase of 25 per cent in the Christmas mail handled in 1921 over that of 1920.

Four hucksters were found hidden in the Lane county jail recently by Sheriff Stickels and his deputies, who were overhauling the place.

Sheriff W. J. Wilson of Clackamas county was cleared of the indictment of larceny by ballot, returned against him by the grand jury on December 22.

Interest displayed by ex-service men at a meeting of the American Legion assured the organization of a company of infantry of national guards at Hood River.

Because heavily loaded trucks are cutting up certain county roads badly, the Lane county court has issued an order limiting the weight of loads they carry.

Organization of Linn county's first drainage district will be completed soon. This project is to drain a section of land a short distance east of Albany.

A move is on foot to establish the biggest brickyard in the state, one mile west of Jacksonville, which will provide employment for a large number of men.

Portland's postal receipts were \$10,300 larger in December, 1921, than in December of the preceding year. Portland was the 29th city in December postal receipts.

George C. Munger, 74, pioneer resident of Oregon, is dead at The Dallas after a short illness from pneumonia. Munger was chief of The Dallas fire department in 1891.

During the year 1921 the city recorder of Pendleton issued building permits at a total valuation of \$400,000. In 1920 the value of new buildings erected was \$318,000.

More than 1000 members of the Christian Endeavor society are expected to attend the state convention of the organization, which will be held in Salem, February 18 to 19.

Heart disease, developing from a moderate cold of two weeks' duration, caused the sudden and unexpected death at Portland of Miss Frances Holman, 79, pioneer resident of Oregon.

A complete investigation of charges and counter-charges concerning the management of the Oregon institution for the blind will be made by a committee of prominent Portland people appointed by Governor Olcott.

Senator Stanfield has introduced a bill appropriating \$30,000 for improving the entrance to Oregon caves in Josephine county and providing proper lighting facilities to make this scenic spot more inviting to tourists.

On January 16 the Union county court will open bids for \$400,000 road bonds. The bonds represent the maximum amount of road bonds issuable annually by the county court under the road bond election held last year.

Teachers in the Salem schools, under a decision announced by the board of directors, will be allowed eight-day absences on pay when the absence is caused by illness, or attendance at funerals in event of death of an immediate relative.

The special election set for January 31 by the Clatsop county court to vote on a road bond issue of \$600,000 has been called off because Clark, Kendall & Co., Portland bond house, discovered a legal error in the petition which rendered it invalid.

A total of \$62,355.51 has been expended for land, buildings, equipment, operation and administrative costs by the Oregon land settlement commission since its creation through an act of the 1919 legislature, according to a report filed with Governor Olcott.

Representative Hawley and J. H. Naiper of Reedsport, counsel for the port of Umpqua, appeared before the house rivers and harbors committee in Washington, D. C., and asked the committee to approve the project for the north jetty at the mouth of the Umpqua river as recommended by the board of army engineers. The engineers' estimate of the cost was \$267,600.

The Santiam Reclamation company has filed an application with the state engineer for the appropriation of 1500 acre-feet of water from the North Santiam river for power purposes. It is proposed to develop the power near Stayton, according to the application.

T. A. Rafferty, chief inspector for the state motor vehicle department, has announced that he will soon appoint eight additional traffic officers, under a new law enacted at the recent special session of the legislature. This will give the department 15 field men.

It has been announced that the late Colonel H. H. Sargent, widely known

army officer and prominent Medford and Jacksonville citizen, in his will bequeathed 187 volumes of essays, letters, books of biography, travel and high-class fiction to the public library of Medford.

There were two fatalities in Oregon due to industrial accidents during the week ending January 13, according to a report prepared by the state industrial accident commission. The victims were William Peters, planerman, Portland, and Edward Erickson, dock employe, Astoria.

As a result of the opinion of the Oregon supreme court upholding the constitutionality of the state dog tax law, canine owners in counties not exempted under the act will be compelled to pay their licenses within 30 days under the penalty of having the animals destroyed.

A decision to purchase a farm of 245 acres to be used as a Women's Christian Temperance Union home for dependent children was reached at a meeting of the child farm board of the organization in Corvallis. The tract is three miles east of Corvallis on the highway leading to Albany.

Irrigation of 3205 acres of land, construction of 90 miles of canal lines and the development of 7156 horsepower are contemplated in 21 permits to appropriate water and eight permits to store water issued by Percy Capper, state engineer, during the months of October, November and December.

Citizen Indians will meet at Beatty January 30 and at Chillicothe January 31 to determine whether a request shall be made or a suit instituted in the United States court of claims for a partition of the Klamath Indian reservation, or for an apportionment of the shares of the individual Indians who have become citizens of the United States.

The Willamette Valley Flax & Hemp company, which was organized at Salem recently under the direction of Robert Crawford, ex-superintendent of the state penitentiary flax plant, has signed up approximately 150 acres of flax lands in the Rickreath vicinity. The association now has more than 1000 acres pledged for planting during the year 1922.

The rapidity with which the shipping of the Columbia river is growing in volume is indicated by a report just completed by Deputy Collector Karlson of the Astoria customs-house. This report shows that 351 more vessels entered or cleared at the customs-house in 1921 than in the preceding 12 months and the increase in tonnage was 2,212,174 tons net.

Charges of bribery, directed at E. F. R. Ridgeway, state prohibition agent, whitewashing of the officer by the grand jury and charges of conduct unbecoming an official, on the part of W. I. Keator, district attorney of Umatilla county, will be subjects of a special grand jury investigation to be launched at Pendleton with A. J. Littlejohn, assistant attorney-general, acting in the capacity of legal adviser to the inquisitorial body.

Increase of more than 200 per cent the last year in the total amount of United States treasury checks brought into Oregon for drill pay among units of the Oregon national guard is shown in an annual financial statement completed by George A. White, adjutant-general, for the information of the Oregon general staff. Government money put into circulation in the state during 1921 amounted to \$159,022.86, as compared with \$51,471.15 in 1920.

Sale of \$450,000 bonds by the Talent irrigation district to a Los Angeles bank has been approved by the state irrigation securities commission. One unit of the Talent district has been previously completed, and the lands of the district are said to be in a high state of cultivation. The district plans now to develop the rest of the lands with the proceeds of the sale just made. Contract for the work, which will include the construction of a dam, has not yet been made.

Improper handling of trains No. 13 and No. 17 of the Oregon-Washington Railroad & Navigation company, which collided head-on recently at a point about one-half mile east of Celilo, was charged by the Oregon public service commission in an order covering the commission's investigation of the wreck. Records in the offices of the public service commission show that seven persons were injured fatally in the collision. Twenty others suffered injuries which necessitated their removal to hospitals. In all, more than 70 persons were injured as a result of the crash.

**COUNCIL DECLINES TO
SELL CITY BONDS AT PAR**

At the special meeting of the city council held Tuesday night for the purpose of receiving bids for the \$50,000 bond issue there were two bids received offering par, but the council decided to decline these bids and are re-advertising the sale for Tuesday evening, January 31st, at which time it is hoped that bids will be received at a premium, as the bond market is very strong at this time and bonds are selling high throughout the country.

It is believed that local people did not understand that the bonds would be offered in small lots to suit the purchasers, but this is so, and anyone wanting \$500 or more may have the opportunity of offering a bid. The bonds will bear six per cent interest payable semi-annually and are a good investment.

—Forest Grove News-Times.

Always read the ads.

A lot of newspapers on hand and for sale at this office. Come in early and get them at five cents a bunch.

THESE NEW MENTAL TESTS

Harold S. Tattin, Pacific University

What are these new mental tests? What good are they? And to what degree can they be depended on?

Frank M. Hunter, ex-president of the National Education Association, and city superintendent of Oakland, California, says: "The principle of mental measurements has become well established in the minds of school administrators. The Oakland schools have subscribed to the principle as one of the outstanding characteristics of an efficient school system."

Some go so far as to say that the mental test is the most important discovery in educational history. Others give varying degrees of approval. With this notable fact: the majority of school men are coming to have more and more faith in the principle, as they observe the use of such tests more thoroughly.

There is nothing mysterious about them. A few brief explanations will remove the apparent mystery, and any lurking skepticism.

In some respects they are just common examinations, like those we all took in our school days. Only some of the faults of the old-fashioned examination are removed.

First, the examination was chiefly a test of memory; that was unfair for the chief value of mental work is not what we remember, but increased power to reason, better judgment, keener appreciation of beauty and worth, higher ideals, nobler character. An examination which tests skill and memory only, falls entirely to test these higher and more important products of education.

Of course, even the new mental tests cannot measure the appreciation of the good and the beautiful or the noble ideals of life which may be aroused by scholarly experiences. But they can test powers of reasoning, of adaptation to new situations, of applying knowledge to unfamiliar problems. These are the uses which the experiences of life demand. These are the practical tests which must be met when school days are over.

Second, examinations are not equally difficult. So often have we all heard the exclamation, "that exam was a cinch," or "wasn't that a fright!" that no one will question the unevenness of the individually planned test.

Third, grades vary with different teachers. This was recently tested by photographic copies of the student's final examination in geometry printed on regular examination paper, and submitted to over a hundred expert teachers of geometry. The grades given by these different teachers on the same paper ranged from 36% to 89%.

Now, standardized tests give all the essential information which tests by individual teachers attempt to secure, and more; and at the same time avoid the variations in grading, the unevenness of the difficulty, and the mere testing of skill and memory.

Mental tests provide situations which call for more complex reasoning. They call for relatively little actual memory of facts; but for a great deal of application of common knowledge to new situations which require practical reasoning.

The factor which is winning popular support most successfully is that of testing the tests. Every set of tests is tried out on several thousand pupils of average ability, and improved and corrected on the basis of the results secured from such experiments; so that the final standardized tests are not merely what some psychologist thinks ought to be reliable, but are actually reliable, as proved by results of their use with thousands of "average" children. A few weeks ago I had a letter from Dr. Terman, of Stanford University enclosing a typewritten summary of over 30,000 tests. These he did not consider sufficient to serve as a final standard. Educators have faith in the tests because they are so scientifically verified.

What I have said refers to "intelligence" tests. There is another type known as "achievement" tests. These are planned to indicate progress in a practical subject, as, writing, reading, arithmetic, geography, spelling. They differ from the typical school examination in that they are carefully graded in difficulty, and are "standardized" by trial with large numbers of pupils. They serve to indicate whether a pupil is ready for the work of the next grade in a particular subject, but do not indicate his general mental ability.

The tests proposed for the children of Forest Grove are not these special subjects; but the general "intelligence" or "mental ability" tests.

There are several standardized tests of equal reliability. The "Terman" tests and the "Otis" tests have been devised by the two members of the Stanford University faculty, by whose names the tests are designated. The "National" test has been devised by a group of psychologists of national reputation. All these, and others, are alike in general form and method. They consist of a group of questions in booklet form, so arranged that the proper answer may be checked; thus saving the time necessary to write out answers. The entire set of over a hundred questions can be answered in less than an hour.

What of it all? What use can be made of the results? On the lowest terms, they save taxes. One city saved \$2,000 by putting the pupils who could not fastest into separate classes, and reducing the time necessary to finish their required work. The saving of a half year for forty pupils would be the equivalent of half a teacher's salary yearly.

But for more important, the tests serve as a basis for better adaptation of school work to each individual child. They indicate the rate of progress and the kind of work which will be best suited to each child. They make possible the inspiration of personal guidance, which is the ambition of every true teacher.

The executive committee of the Parent-Teacher association recommends that all parents cooperate in the plan to give mental tests to all pupils (especially above grade 3) by furnishing the 5c per pupil; and that all who are willing to do so give larger amounts to make up the deficit caused by the failure of some parents to respond.

**EXPERT OPINION ON
MENTAL TESTS**

"The significance of these new standards of measurements for our

educational science is indeed large. Their use means nothing less than the ultimate transformation of school work from guesswork to scientific accuracy; the ending forever of the day when a personal or political enemy of a superintendent can secure his removal without regard to the efficiency of the school system he has built up; and the changing of school supervision from a political job to that of a highly skilled piece of social engineering.

It has been attempted to evolve standards of measurement which will do for education what has been done for agriculture as a result of the application of scientific methods to farming."

E. F. CUBBERLY,
Professor of Education, Stanford University, California.

**AUTOMOBILE SHOW TO BE
HELD JANUARY 23 TO 25**

Portland's thirteenth Annual Automobile Show takes place at the Municipal Auditorium January 23rd to the 25th. The display is to be the biggest ever, more automobiles, more variety, more variety having been assured the management through the fact that every car space was sold on the night of the opening drawings. This has never before happened in the history of the show. For the first time every available foot of space from the top of the big building to the lower floor will be filled with automobiles, there being no room for any commercial vehicles or side lines of the automobile business.

Announcement of the Show states that this is to be an exhibition of value to most makes are not down to pre-war price levels, but the present automobile going under the old name can hardly be compared to the vehicle of those days.

Another important feature of the 1922 display is that the product to be shown in the first produced by the standard American factory is now getting to their new basis of competition. In the months following the war in what are now called the "boom" months no factory had time to consider improving its product. The demand for cars from a world starved by war was so great that quality or improvement in the cars made no thought. The only problem was more automobiles.

Then came the relaxation and now the natural product of a let-up in the demand. Already several of the old makes have appeared with an automobile that resembles the old in name only. This is particularly true in the low and medium price fields. Automobiles that for years seemed to have arrived at a certain standard are now announced in entirely new designs from motor to top. Old makes show the change to a different type, and certain highly standardized lines considered perfection almost in motor car refinement, appear with still greater refinement or else in various luxurious body models.

**SELLING PRICE OF 30-40
PRUNES ADVANCES**

An advance of half a cent a pound on 30-40 prunes is announced by the Oregon Growers' Co-operative association. The association's advisory committee of prune growers fixed the new price of 12 1/2 cents a pound on prunes packed in 25 pound boxes.

This increase follows up the advance which was named on all of the other sizes of prunes by the association last week ranging from 2 cents on 20-30s down to 1/2 of a cent on the smallest Petties.

Considerable activity on the part of buyers was shown just preceding the price advance and the association has disposed of three quarters of a million pounds of prunes in the period following the opening of the new year.

Scarcity in nearly all lines of dried and canned fruits makes it apparent that the new price is warranted and it is expected that the trade will take hold of offerings at the new prices.

Jobbers' supplies of prunes are reported to be very light at the present time and retailers' shelves are in constant need of replenishment. In view of these conditions the prune men are inclined to believe that the present situation is the most encouraging one which has developed during the entire season.

You can sell anything during our Lower Column.

HOAR CHOSEN GRID CAPTAIN

Quarter-back Who Piloted Team to Victory This Season Chosen at Lettermen's Banquet.

The football lettermen at their banquet last Friday elected Leslie Hoar, '22, to pilot the Badgers football squad for the year 1922. Hoar played quarter this season and although it was his first year at that position he proved to every one who saw the team play that it was his position. Hoar was the best forward passer on the team. He runs the hundred yard dash in 10 and 2-5 seconds and has played the grid game for five years in high school and college. His head work qualifies him as the logical man for the pivot position and from it he can lead the team doubly well with his prestige as captain.

"Les" is one of the best all-around athletes in school. He has played 3 years on the basketball squad, won his letter in track and pitched for two years on the varsity baseball team. He comes from Dilley, Oregon, where the athletic sports grow in profusion and was a stellar performer for Forest Grove High School 2 years ago. He is probably the most popular athlete in the institution as well as one of the most competent.

He has held prominent offices in activities outside of athletics, being index manager last year and treasurer of the student body this year. He is looked to as the leader of one of the most successful teams in the University's history.

—College Index.

**DATES SET FOR VISIT
OF REVENUE MEN**

The time has again arrived for making out your income tax returns. The law provides that all returns must be in the office of the Collector of Internal Revenue at Portland, on or before March 15th, 1922. Those failing to comply with the law are subject to heavy penalties.

All taxpayers are urged to make out their returns at once, thereby avoiding the rush at the last hour.

For the purpose of assisting taxpayers of Washington County in making up their Income Tax return for 1921, Deputy Collector G. F. Turner of the Internal Revenue office, will be at the following named places on the dates given below:

Forest Grove, Feb. 6 to Feb. 7, 1922.
Hillsboro at the Court House, Feb. 8 to Feb. 9, 1922.

For any information you may desire in preparing your statement, call upon the deputy collector, as announced above.

Be sure to patronize our advertisers.

**WORTHY GRAND MATRON
TO VISIT STAR CHAPTER**

On Wednesday night of next week Forest Chapter, Order Eastern Star, will entertain Mrs. C. Letson, of Ontario, Worthy Grand Matron of Oregon Grand Chapter.

A special session of the local Chapter will be held for her reception and entertainment. All members are urged to attend.

—Forest Grove News-Times.

Come in and see our bargain in used cars. Bernard & Stipe at Stipe's Garage. Advertisement.

Drive slow in town. Drive careful everywhere.

CORNELIUS

On Friday last Dr. E. C. Hickman, of Kimball School of Theology, Salem, gave a masterful address to a large and representative audience on "Parental Relationship." His address parents to make companions of their children and to be such parents as would always be proud to have their children follow their example. He urged the boys and girls to live a clean, pure, genuine life.

Many young people came from Hillsboro and Forest Grove to hear Dr. Hickman's address last Friday.

On Sunday last the general state of L. O. Wieschitz was broken into and many articles of clothing and groceries stolen.

On Tuesday afternoon of this week the Ladies' Civic club met in the city hall. There was a full attendance of members. An enjoyable social afternoon was spent. Refreshments were served.

A varied program has been planned for Friday evening, Jan. 20, by the Cornelius Athletic club and the North League, which program will be given in the M. E. Church. Refreshments will be served. After the program there will be the usual good time of playing games.

Sunday, Jan. 22nd, Mass will be said at Saint Alexander's church at 8:30 A. M. by Reverend Father H. E. Roesch.

NOTICE

All who have run accounts with W. M. Seipen will please call and settle on or before the first day of January, 1922, or they will not be allowed to run any further accounts until the old ones are settled.

W. M. SEIPEN.

—An appeal has been sent out to Postmasters and newspapers to assist a mother in finding her son, who is Emerson Griswold, 25 years old, of Camp Point, Ill. Griswold arrived during the war and after his discharge in 1919 came west and was heard from in Washington and Oregon, and in June 1920 left Portland for San Francisco. Since then all efforts to locate him have failed. The mother is appealing to the public for assistance and will pay a reward of \$50 to the first person giving information of him. She is Mrs. Sam Griswold, Camp Point, Ill.

PONDANT BEE FEED NOW

Any feeding of bees at this time of year should be with soft candy or Pondant rather than syrup as it is easier to feed, is more economical, and keeps down moisture in the hive. A good formula for bee Pondant is:

Granulated sugar—12 pounds.
Liquid glucose—1 1/2 pounds.
Water—1 1/2 quarts.
Cream of tartar—8 teaspoonful.

Heat the water and stir in sugar slowly until dissolved. Add the glucose, boil, and then add cream of tartar. Remove and stir until thick enough to pour into molds.

**CAMILIA MILLS WILL TRAC
HOME ECONOMICS IN CHINA**

Miss Camilia Mills, 21, will sail for Peking, China, in September, under the auspices of the Women's Foreign Missionary board, where she will be connected with the home economics division of Yenching college.

While in college, Miss Mills was elected to cum laude, Omicron Nu, and won an honor student in home economics, and her selection for this work is but an expression of confidence in her ability.

During the first year Miss Mills will study in the language school and the second year will aid in the establishing of a home economics department. The need for this work was impressively presented by Mrs. Allen Brown Frame, professor of biblical literature at Yenching college, who addressed large audiences here last week concerning the education of the women of the orient.

The members of the faculty of Yenching college are graduates of Wellesley, Columbia university, University of Chicago, Mount Holyoke, Smith and other leading colleges of the country. Yenching is an accredited college and credits are acceptable at any first class university in the United States.—O. A. C. Barometer.

Have You Resolved

to do your share toward helping to give the year 1922 a better reputation for prosperity than poor old 1921 has had?

Why not give this first place among your New Year resolutions?

One way to help is by keeping all surplus money in the bank where it will earn interest for you and be available for business purposes in the community.

BANK of BEAVERTON
Beaverton Oregon.