# READY FOR GAME

## Heavy Gridiron Teams Will Battle Today.

## BOTH SIDES ARE HOPEFUL

### Multnomah Team in Splendid Condition and O. A. C. Players Ready for Struggle of Their Lives—The Probable Outcome.

Never have the Multnomah and the Oregon Agricultural College football teams met on the gridiron with such possibilities of a fierce struggle for supremacy as confronts them today. Far back, last Summer, the regents of the Corvallis school forbade the annual game with the Portlanders this year, but Coach Steckle made a showing with his men that was a thing to be proud of. Then the team defeated Washington, and was beaten by Oregon; and Oregon lost out to Multnomah. No better argument could be given the regents why the team should be allowed to line up against Multnomah. So it was allowed.

That is the explanation for today's game. And it is enough to show Corvallis thinks it can do something with the Portland players. As evidence that Multnomah thinks the same, Chester Murphy, who is not very well, will take the team he has coached and lead it in person against the heavy Corvallis line. The club has called out the best of its players and even greater preparation is being made for this game than for the great annual event with Oregon.

The Christmas game will easily rival that of Thanksgiving of this year, and unless the football savants are at fault, it will be a tougher game for the players and even more interesting for the spectators. There are Oregon men who will not admit it. But Corvallis was not in shape for the game in which it was defeated by Eugene, as it is for this. It has its full strength and more. For, though Captain Pilkington may not get into the game himself, Coach Steckle will, and he is as good a player as coach.

#### Want Back Lost Laurels.

There have been two very superior football coaches in Oregon this year, Dick Smith, at Oregon, and Steckle, at Corvallis. Steckle played in hard luck against Oregon and during the last few weeks he has done everything a football coach can do to retrieve the fair name of his team. His men want to win this game worse than the one with Oregon. They feel as if they had in some way given more than an ordinary challenge in prevailing on the regents to let them play, and now they feel as if they had to live up to their challenge.

Corvallis has this advantage over Oregon. It is practically as heavy as Multnomah. In that respect Oregon suffered badly Thanksgiving, but Corvallis will not be bowled over by mere weight.

Two weeks ago anyone would have said that, strong as Corvallis may be, it could not defeat Multnomah. But since that time has come Multnomah's fearful slump at Seattle and now the experts are doubtful. It has been said there are hundreds of Portland people who attend the annual Multnomah-Oregon football game to see Multnomah get licked, and have been fooled for ten years. All these were around town yesterday saying that they had no doubt this time Multnomah would meet her Waterloo. But it is not safe to bet against Multnomah on her home field, especially with Murphy running the team.

#### Game Should Be Close.

Multnomah is going to be very strong today, and at worst should hold down Corvallis to a scoreless game. But a victory either way would not be unexpected. However, it will be a walkover neither way and should be full of surprises.

Corvallis has its full team, Steckle taking the place of Pilkington, while Multnomah has the biggest squad to choose from that it has had this year. There is a choice of position for every position—a rather unusual circumstance. Roosevelt, the Stanford guard now here, may get into the line. Pratt is in the game once more and Murphy and Stott will alternate at quarter. There are three halfbacks in Morgan, Corbett and Horan, and Dolph will be at full. The best Multnomah has will be in the game and if it is defeated it will be through the best game of football ever played by a visiting team on Multnomah field. The line-up and the weights of the men follow:

| Multnomah. | Position. | Corvallis. |
|---|---|---|
| Swelling, 147 | R. E. L. | Emily, 140 |
| Latt, 185 | R. T. L. | Abraham, 188 |
| Bailey, 198 | R. G. L. | Dunlap, 200 |
| Reeve, 204; Kellar, 198 | C. | Walker, 215 |
| Jones, 237 | L. G. R. | Bundy, 180 |
| Shaw, 195 | L. T. R. | Bower, 178 |
| Jordan, 175 | L. E. R. | Cooper, 165 |
| Murphy, 148; Stott, 165 | Q. | Rinehart, 150 |
| Horan, 205 | R. H. L. | Root, 185 |
| Morgan, 170; Corbett, 175 | L. H. R. | Williams, 170 |
| Dolph, 175 | F. | Steckle, 180 |

## HOPES TO BEAT MULTNOMAH.

### Corvallis Farmers Are Confident of Victory.

CORVALLIS, Dec. 25.—(Special.)—The Oregon Agricultural College football men yesterday afternoon held their final practice for the big game with Multnomah tomorrow afternoon. Scrimmage work ended Thursday and practice Friday and yesterday was devoted to signal work and the perfecting of tactical plans for the game.

Though no official announcement has been made, it is considered certain now that Coach Steckle will be in the line-up as substitute for Captain Pilkington. The latter sustained a severe muscle bruise in the Seattle game from which he has not fully recovered. He was out of the game with the University of Oregon. He is anxious to play against Multnomah, and his friends and Dr. Steckle have added him not to take the chances of another injury which might prove serious. Pilkington is known throughout the Northwest as one of the best all-around backs and strategists the coast ever produced and on this account the members of the team and the students generally have urged that as a measure of force and strength to the team Dr. Steckle should be the substitute for their old captain.

While they know Dr. Steckle to be a valuable player his appearance in the game will no more than balance matters, and that it is due the Multnomah Club and the Portland public that the strongest and best possible line-up should be given him in the game. In the beginning it was agreed by the Multnomah manager and Dolph should not be in the Multnomah line-up, but in response to Mr. Adams' request Corvallis has given consent for Mr. Dolph to play, provided Dr. Steckle appears in the college line-up.

Indications now are that the number of excursionists from here will far exceed what was originally expected. In one of the predictions in yesterday's morning and evening papers that the club would win by one to two touchdowns, there is an impression here that the forecast might not hit the mark. Nobody here gives figures, but there are plenty who say that if Multnomah wins she will beat a mighty good team.

## SEATTLE IS CONFIDENT.

### Expects to Score Against Local Team in New Year's Game.

The Seattle Athletic Club is all hope for the New Year's game since it has defeated Multnomah, and is talking about the coming contest as if there were no doubt in the world that Seattle would have everything its own way. The best of the University of Washington team has been drawn on for material, and the holes in the line-up caused by injuries to players have all been filled up.

Players like Tom MacDonald and Sigrist of the U. of W., are now figured as certainties in the New Year's line-up, and Roller, the man who raised havoc with the Multnomah center-men in the Seattle game is now at fullback on offensive, where he can do damage effectively. Huntoon, who is accredited by the Seattle papers with having played a "sensational game" against Multnomah, will be the other half. Every effort is being made to strengthen the already strong offense. Seattle had a taste of victory in smashing through the stout Multnomah center, and it is just a little afraid that the smashing was an accident, and that it will not happen again. From this end, it is not expected to happen again.

There will be some queen arrangements in the Seattle line-up. MacDonald will be a guard on offense and quarter on defense. Dr. Roller will play guard on defense and fullback on offense. Christy will play quarter on offensive and safety-full on defensive. Dan Pullen will probably be in the line. Tilley will not be in the game. Captain Van Hovenberg, Montgomery, Wells, Turner and Newmyer, men who helped to defeat Multnomah before, are counted on as players in the New Year's game.

There is just one note of doubt in Seattle's confidence over that coming game. There is a strong suspicion that Multnomah was away off-color in that other game, and will put up a far different front when playing Seattle on the home grounds.

## READY FOR BOAT RACE.

### English, German, French and Italian Crews in Contest.

This afternoon at 3 o'clock will occur the international boatrace for the beautiful pennant on exhibition in the window of Feldenheimer's jewelry store, at Third and Washington streets. It is anticipated that eight crews will enter the race, which is to begin at the Oceanic dock and terminate at the Steel bridge. The favorites appear to be the crew of the Italian ship Celeste, which was the winner of the race on Thanksgiving day; the crew of the German ship Carl and of the English ship Dunreggan, while the crew of the French ship Villa de Mulhouse is conceded to have an excellent chance of being in close at the finish.

On Thanksgiving day, when the sailors from the Celeste won the race, which was over the same course, the result came as a surprise to all the ships in the harbor and they immediately began to arrange for another race. The men from the Celeste will do their best to retain their laurels, but those who have been watching the crews practice are of the opinion that the Italians cannot win.

Members of the Portland Rowing Club are to act as officials for the race. Regular ship's boats are to be used and the contestants must be bona fide attaches of the ship they claim to represent. There is ample space on the docks near the Steel bridge and on the bridge itself for people to stand to see the finish of the race, and it is expected that quite a crowd will be in attendance. Launches will also follow the racers from start to finish.

### Jenkins Matched With Carkeek.

SAN FRANCISCO, Dec. 25.—Tom Jenkins has been matched to meet Jack Carkeek on the mat January 10 next, when the men will work for the best two falls out of three, catch-as-catch-can rules to govern.

### Club Billiard Tournament.

The following schedule has been arranged for the Multnomah Club billiard tournament, and will govern all remaining games to be played: December 27, 8 P. M., Lansing Stout, 70, vs. B. D. Sigler, 75; 8:30 P. M., C. S. Barton, 70, vs. Guy Holman, 75. December 28, 8 P. M., W. Johnson, 70, vs. H. E. Reed, 60; 8:30 P. M., F. E. Ford, 65, vs. A. E. Kerrigan, 55. December 29, 8 P. M., R. P. Knight, 50, vs. J. R. Rogers, 50; 8:30 P. M., J. C. Muehe, 50, vs. O. L. Spencer, 50. December 30, 8 P. M., W. H. Wyman, 100, vs. W. B. Streeter, 100; 8:30 P. M., W. B. Fechheimer, 70, vs. Guy Holman, 75.

### Baseball Meeting Is Delayed.

CHICAGO, Dec. 25.—The annual meeting of the American Baseball Association announced to be held this week has been postponed until January 15. The cause of postponement is a desire to wait until after the meeting of the National Commission, January 9, when the minors are going to make a strong plea to win over the American League, regarding the plan for drafting players already favored by the Nationals.

## NICE THINGS FOR THE GIRLS

### After All, the Gentler Sex Gets the Most.

It was a strange girl yesterday who did not have a corner of the library at home or the table of her boarding-house bedroom, if she were unfortunate enough not to have a home, where she could display her Christmas gifts. Children took theirs away and played with them, but the girls spread out all the presents from friends, sweethearts and families and clasped their hands over them, their eyes beaming with good will. It has come about that the chief recipient of Christmas gifts is the girl.

The ingenuous creatures spread out everything they received for the admiration of their friends, whom they expected to drop in during the afternoon and see what the other one had got. They knew none but their intimates would come, so they spread out everything. Flowers, candy, puff boxes, books and half a hundred things that none but a woman could find use for, lay side by side. But there were other things, such as delight the feminine heart: dainty articles of wearing apparel of all sorts, the names of which are generally merged in the general term "lingerie." It was an overmodest young maiden who hid these things and brought them not from cover for inspection. The average lay them all out among the other Christmas gifts.

Some slight changes were noticeable among Christmas gifts to this highly interesting class of recipients. There was a time not so long ago when girls received so much candy that they could not get rid of it in weeks, without spoiling their complexions eating it. But that is less common now. Flowers, which were always on a par with candy as a Christmas gift have a little the better of it this year. The young men of Portland yesterday, as a rule, stayed by the old faithfuls, books, candy and flowers, but that sort of thing was in the minority in those parlor corners. Articles of jewelry were very common, necklaces coming in for the greatest amount of attention. Statuettes and pictures, Chinese brasses and old-fashioned candlesticks with which to decorate a boudoir were there in plenty. It really seems wonderful where all these things come from.

But the wise friends, the aunts and girl chums know what would be appreciated more than anything else. A pair of silken hose to go with a ball dress, a kimono, night gowns of the finest cambric, the friends sent, and the ingenous girls set them all out to be admired. Anthony Comstock, of purity fame, would have found much to shock his false standard of modesty yesterday if he had seen these Christmas tables.

### Domestic and Foreign Ports.

ASTORIA, Dec. 25.—Arrived down last night and sailed at 11:30 A. M.—Steamer F. H. Kilburn, for San Francisco and way ports. Arrived down at midnight—Steamer Charles Nelson. Arrived down at 5 A. M. and sailed at 11 A. M.—Steamer Alliance, for Eureka and way ports. Arrived in at 10 A. M. and left up at 12:45 P. M.—Steamer Columbia, from San Francisco. Arrived at 10:30 A. M.—Schooner Virginia, from San Francisco. Condition of the bar at 5 P. M., moderate; wind east; weather cloudy.

San Francisco, Dec. 25.—Sailed—Ship St. Muren, for Guam; bark La Rochejanelin, for Queenstown; steamer Northland, for Astoria. Arrived—Geo. W. Elder, from Portland.

New York, Dec. 25.—Arrived—St. Louis, from Southampton; Patricia, from Hamburg, Dover and Boulogne; Princess Irene, from Genoa and Naples.

## TONNAGE EN ROUTE AND IN PORT

### Vessels Chartered or Available for Grain Cargoes From the Northwest.

#### FOR PORTLAND

| Sailed. | Name. | Flag and rig. | Master. | Tons. | From. | Days out. | Consignees. |
|---|---|---|---|---|---|---|---|
| July 1 | Lonsdale | Br. ship | Fraser | 1685 | Shields | 178 | Girvin |
| July 15 | Christel | Ger. ship | Wurthman | 1698 | Shields | 164 | Balfour |
| July 22 | Eugenie Fautrel | Fr. bark | Le Huede | 1705 | Hamburg | 145 | Meyer |
| Aug. 14 | Henriette | Ger. ship | Denkela | 1647 | Antwerp | 134 | ..... |
| Sept. 30 | Pythomene | Br. ship | Spiney | 1796 | Antwerp | 87 | Taylor |
| Sept. 30 | Alice | Ger. ship | Reimers | 2045 | Hull | 87 | ..... |
| Nov. 12 | Oregon | Gr. ship | Hashagen | 1775 | Hamburg | 44 | Meyer |
| Nov. 18 | Thistle | Br. bark | England | 2192 | Hamburg | 37 | Meyer |
| Nov. 4 | La Fontaine | Fr. bark | Haumont | 1739 | Antwerp | 52 | Balfour |
| Oct. 25 | Pinmore | Br. bark | Jones | 2286 | Hull | 62 | Meyer |
| ..... | Carnedd Lewellyn | Br. ship | Humphreys | 1609 | Acapulco | ... | ..... |
| ..... | Magdalene | Ger. bark | Brunnings | 2686 | Hamburg | ... | ..... |
| ..... | Princess Marie | Dan. brk | Clausen | 1288 | Guaymas | ... | ..... |
| ..... | Arthur Fitger | Ger. ship | Denker | 1696 | Hamburg | ... | Girvin |

Total tonnage en route and listed, 25,856.

#### GRAIN TONNAGE IN THE RIVER

| Arrived. | Name. | Flag and rig. | Master. | Tons. | From. | Agents or Charterers. | Berth. |
|---|---|---|---|---|---|---|---|
| Aug. 29 | Dumfriesshire | Br. bark | Fernaux | 2483 | Swansea | Disengaged | Mtgmy. 2 |
| Sept. 29 | Nomia | Ger. bark | Hasselman | 1921 | Shields | Disengaged | O.W.P.Co |
| Oct. 3 | Oweenee | Br. ship | Burchell | 2334 | Newcastle | Disengaged | O.W.P.Co |
| Oct. 14 | Glaucus | Br. ship | Crystal | 1866 | Antwerp | N.W.W.Co. | Irving |
| Oct. 29 | S. Celeste | It. ship | Maresce | 1896 | Antwerp | N.W.W.Co. | Mtgmy. 1 |
| Nov. 10 | Dunreggan | Br. bark | Smith | 1477 | Newcastle | P.F.M.Co. | Elevator |
| Nov. 10 | Naumrchos | Ger. bark | Arfmann | 2798 | Yokosuka | Disengaged | Astoria |
| Nov. 12 | Jules Gommes | Fr. ship | Bandry | 1902 | Hull | Kerr | Mtgmy. 2 |
| Nov. 24 | Holt Hill | Br. bark | Parker | 2269 | Hamburg | Disengaged | Mersey |
| Nov. 29 | V. de Mulhouse | Fr. bark | Cannevet | 2429 | Hamburg | Disengaged | Am.Can.C |
| Dec. 4 | Martha Roux | Fr. bark | Garnier | 1592 | Swansea | Disengaged | Gas Dock |
| Dec. 17 | Carl | Ger. ship | Hashagen | 1916 | Hamburg | Disengaged | Gr'aw'ch |

Total tonnage in port, 34,834.

#### GRAIN TONNAGE EN ROUTE TO PUGET SOUND

| Sailed. | Name. | Flag and rig. | Master. | Tons. | From. | Days out. | Consignees. |
|---|---|---|---|---|---|---|---|
| July 3 | Sofala | Br. bark | Auld | 2169 | Cardiff | 176 | ..... |
| Aug. 6 | Col. V'bois Mareuil | Fr. bark | Zulemper | 1732 | Antwerp | 142 | ..... |
| Oct. 10 | Lyderhorn | Br. bark | Williams | 2087 | Hamburg | 77 | ..... |
| Sept. 17 | Eurasia | Br. ship | Hughes | 1742 | London | 100 | ..... |
| Aug. 22 | Dimsdale | Br. ship | Evans | 1779 | Antwerp | 126 | ..... |
| Aug. 9 | Socoa | Fr. ship | Daudry | 1826 | Dunkirk | 129 | ..... |
| Oct. 22 | Cedarbank | Br. ship | Batchelor | 2049 | Liverpool | 65 | ..... |
| Sept. 13 | Inveramsay | Br. bark | Crombie | 1321 | Antwerp | 104 | ..... |
| Oct. 28 | Nessia | Ger. ship | Muller | 1670 | Antwerp | 59 | ..... |
| ..... | Andre Theodore | Fr. ship | Louvet | 1875 | Cardiff | ... | ..... |
| Nov. 15 | Pegasus | Br. bark | Moulton | 2428 | Hamburg | 41 | ..... |
| ..... | Tamar | Br. bark | Amberman | 1949 | Rotterdam | ... | ..... |
| Nov. 8 | Haddon Hall | Br. bark | Houghton | 1332 | Guayaquil | 48 | ..... |
| ..... | Turgot | Fr. bark | Gezary | 1779 | Antwerp | ... | Balfour |
| Nov. 1 | Nelson | Br. ship | Cerlez | 1247 | Mollendo | 55 | ..... |
| Nov. 18 | Penthesilea | Br. ship | Manson | 1682 | Panama | 38 | ..... |
| ..... | Belen | Fr. bark | Boudrot | 1701 | Liverpool | ... | ..... |
| Nov. 4 | Co. of Dumfries | Br. ship | Inglis | 1615 | Valparaiso | 52 | ..... |
| ..... | Niville | Br. ship | McMillen | 2262 | Lierpool | ... | ..... |

Total tonnage en route and listed, 35,421.

#### GRAIN TONNAGE ON PUGET SOUND

| Arrived. | Name. | Flag and rig. | Master. | Tons. | From. | Agents or Charterers. | Berth. |
|---|---|---|---|---|---|---|---|
| Sept. 26 | Dunfermline | Br. ship | Woodward | 1778 | Shanghai | Balfour | Tacoma |
| July 21 | Dunstaffnage | Br. bark | Forbes | 3129 | Hiogo | Disengaged | Tacoma |
| Oct. 15 | Ancona | Br. bark | Robbins | 2570 | Callao | Disengaged | Victoria |
| Nov. 21 | David Angiers | Fr. bark | Le Carre | 1379 | Hamburg | N.W.W.Co. | Seattle |
| Dec. 2 | Muskoka | Br. bark | McDonald | 2259 | Hamburg | Disengaged | Seattle. |
| Dec. 13 | Neck | Ger. ship | Koejos | 2121 | Yokohama | Disengaged | Pt. Town. |

Total tonnage in port, 14,431.

# MAIL CONTINUES HEAVY

## HOLIDAY RUSH KEEPS POSTOFFICE FORCE SNOWED UNDER.

### Not Until the Middle of the Week Will All Christmas Mail Be Out of the Way.

Those who have not received the expected Christmas presents from relatives and others who usually send just what is desired at this season of the year, should not despair, for the mail is so heavy at the Postoffice that it will at least be Wednesday before the piles of packages are taken home.

"Snowed under," is the way the Postoffice employes express it. Yesterday letter-carriers and others worked hard delivering mail matter during the allotted eight hours provided by law, and brought joy to many waiting ones eager to clutch Christmas presents. In not a few cases Postoffice people have themselves experienced Christmas hospitality. They say that one of their best friends today is Sheriff Word, who distributed about 1500 fine cigars at the Postoffice and among employes of street railway companies.

At the offices of the express companies arriving packages were rushed to their owners and packages that reached this city yesterday morning were delivered in the afternoon by the Wells, Fargo and Pacific Express Companies. Eugene Shelby has been agent in this city for 21 years for the Wells, Fargo & Co. express, and he said last night that the increase of business this year has been about 20 per cent over last. The agents of other express and delivery companies all reported that good progress was being made with the handling of packages, and that these are generally sent out the same day as received. The same rule applied yesterday to residence districts, but not to stores in the business districts, which were closed all day.

## WONDER-WORKING VANADIUM

### It Is Used in the Manufacture of Steel for Defense.

Brooklyn Eagle.

Vanadium, when added to steel in the proportion of 10 to 15 pounds to the ton of steel, imparts to the latter some most extraordinary qualities. It gives the steel a tensile strength of 228,000 pounds at an elongation of 19 per cent. The average tensile strength of low carbon steel is 110,000 pounds, or less than half that of the vanadium steel. Tools made of vanadium steel retain their temper and hardness at red heat. This means that planers and other metalworking machines can turn out an increased output, for it will make no difference now if the machines are crowded until the friction heats the tools redhot.

Large projectiles are heated by impact with armor plates so that they lose in penetrating power. If they are made of vanadium steel they may be heated to redness by the violence of impact, yet they will not mushroom, but will retain their maximum penetrating power. Big guns made of vanadium steel will be so much stronger that greatly increased powder charges may be used in them. But if the other fellow protects his ships with vanadium steel the armor will be so very much harder and tougher that its increased resisting power will offset the hard projectile and the increased charge, and there you are.

Soldiers, Southern editors, Colorado mine bosses and others frequently under fire can have helmets and breastplates, or even armor covering the entire body, made of vanadium steel so strong that it will afford complete protection, yet so light that it may be worn without inconvenience. Stamps for stampmills in mining regions, if made of vanadium steel, would wear very much longer. Locomotive tires of vanadium steel would last as long as the locomotive itself. Boilers made of vanadium steel could carry largely increased pressure without reducing the margin of safety. Skyscrapers with a skeleton of vanadium steel would be in far less danger of collapse in case of fire, even if the terra cotta protection should be destroyed, than is now the case, for the steel even if redhot would be as stable as at the freezing point. To be destroyed the framework would have to be melted, and vanadium steel melts only at a temperature of 2000 degrees Centigrade.

The discovery of a commercially practicable method of procuring vanadium seems to promise a most important effect on the steel industry. Steel is the most important metal known to man. Any process, therefore, which will increase the efficiency of the metal required for a given purpose will reduce the cost to the consumer by just that much—or increase the profits of the steel trust.

The metal is a silver-white, lustrous crystalline powder that is unaffected by the air at ordinary temperatures. It melts at 2000 degrees Centigrade and is not attacked by hydrochloric or sulphuric acid, but is easily soluble in nitric or hydrofluoric acid. In addition to the purposes already mentioned, it is used for the highest-grade black for printing silks and calicoes.

The metal is extracted from an ore that looks exactly like sandstone. In fact, it is a sandstone of a bright yellow color. There are inexhaustible deposits of it in the Paradox Valley and elsewhere in Western Colorado. It has also been found in the lava from Vesuvius, and the spectroscope shows that it exists in the sun in considerable quantities, though probably not large enough quantities to pay to work.

Vanadium possesses properties analogous to those of radium. It is found in carnotite, from which radium is extracted. Indeed, there are so many possibilities bound up in vanadium that Mr. Frenzel has contributed $250 to a fund for investigating the physical properties of vanadium steel by the Colorado State School of Mines at Golden.

Mr. Frenzel has also offered in the same school a prize of $250 for the investigation of the occurrence of rare minerals in Colorado and their application and $100 worth of textbooks to the students most proficient in this work. He has also offered the Electro-Chemical Society of New York a prize of $250 for original research in rare elements.

All this prizegiving is the result of Mr. Frenzel's discovery of his vanadium mine and a cheap process of extracting the metal, and a resultant hope that he may make another big find, for Colorado seems to be a sort of storehouse for rare minerals, to say nothing of an abundant supply of the other kind. When a mineralogist doesn't see what he wants he just goes out to Colorado and dig around until he finds it. There is an abundance of uranium, valuable as an alloy, largely used in photography and for producing the amber color in glass and beautiful colors on pottery and porcelain. It is found in Colorado. When painters mixed their own colors they used uranium oxides. Uranium contains radio-active principles.

The discoverer of the cheap process of obtaining vanadium, which promises to have such far-reaching effects, is a most interesting personality. In appearance he is a combination of a college professor and a successful merchant, with an extra touch of alertness not usual in either. He is a keen business man who has a genius for turning his hand to whatsoever the exigencies of the moment may require. Not only is he a mineralogist and geologist who can find things where things ought to be, but he is also a sturdy miner, who can swing a pick and shovel with the best of them to prove his theory by producing the ore. He can and he does go out prospecting; he superintends the development of the mine and takes a hand in the work. At his Denver laboratory he wields skillfully the tools of the carpenter, the tinner and the blacksmith; also he is a master of chemistry. When he is at home he spends ten hours or more a day in investigating, examining, testing and experimenting. The time he has devoted to his novel researches has been profitably spent, for he has accumulated a snug fortune at it.

## IS GROWING AMBITIOUS.

### St. Johns Council May Buy Site for City Park.

The St. Johns Commercial Club is investigating a three-acre tract of land near the schoolhouse, with a view to purchasing it for park purposes.

Councilman J. T. Monahan reported that the tract could be had for $7500, and the club voted to favor the purchase of this land. At the last meeting of the Council there was informal discussion of the offer of the tract, which is a part of the P. T. Smith Addition.

The plat in question is 765 feet long, 200 feet wide at one end and 136 at the other. It is considered a sightly place for a park, and the sentiment of even the largest property-owners seems to favor the purchase. The Holbrook block, on Jersey street, may be had for $6000, but it is regarded as being somewhat small.

No definite action can be taken before the adoption of the new charter, as the present one does not give sufficient power to issue bonds for the purchase of land for parks, but the new charter gives ample authority for that purpose.

The leading people of St. Johns think the new city should start right in the matter of procuring land for parks while it can be had at a low figure.

## ADVERTISED.

Free delivery of letters by carriers at the residence of owners may be secured by observing the following rules:

Direct plainly to the street and number of the house.

Head letters with the writer's full address, including street and number, and request answer to be directed accordingly.

Letters to strangers or transient visitors in the city, whose special address may be unknown, should be marked in the left-hand corner, "Transient." This will prevent their being delivered to persons of the same or similar names.

Persons calling for these letters will please state date on which they were advertised, Dec. 26. They will be charged for at the rate of 1 cent for each advertisement called for.

MEN'S LIST.

Abraham, Harry
Adamsen, Victor
Adair, Morris
Alberts, Harry
Alber, D A
Allen, Robert
American Copying Co
Antonsen, Nils
Ansley, Aherman
Anderson, Peter
Anderson, Tom
Ashlock Burner Co
Audley, Wm M
Avery, Attorney
Aylwin, Charles
Byers, Frank
Babcock, Dr C D
Badere, Frederick
Ballard, Harry
Beana, V B
Behrenz, Martin B
Beaulieu, Mr
Beckley, John
Beckley, C Ray
Bell, Will D
Bernhart, H N-3
Bergstrom, Frank
Bounds, J W
Bowman, M
Bowers, Charlie
Bowley, H H
Bryant, Charley
Bradley, G W
Breslauer, C L
Brockelbank, Harold
Brower, C H
Brown, Sam J
Burns, Lawrence
Caine, John
Calabrese, Valerio
Caldwell, Wm
Camplin, Mr and Mrs G
Campbell, E A
Campbell, Richard
Carlisle, J W
Cartwright, Mr
Cartwright, H O
Cason, Boon
Cave, Albert J
Chandler, C H
Chulpies, Max
Clark, A H
Clarke, G A
Clark Bros
Coast Trading Co
Colvin, Harmon
Cook, F
Crippen, A W
Critmeran, Ernest
Creacy, Tra
Cronk, B
Crosby, U F
Cummins, Mr and Mrs James
Currier, W J
Dambovske, Albert
Daley, W A
Dale, Dr. William
Darreigh, Robie
Davis, Charles
Davis, Jessie
Davis, Leslie-2
Dean, Charles
Dent, Frank
Diminck, Nelson
Dimmick, Z L
Dicting, Wm
Dillon, Jr. G
Dobyns, E
Doro, O L
Duynslager, Emmit
Dunlap Bros
Ehlars, John
Epstain, J
Elik, C W
Egleston
Elliott, Mr and Mrs H A
Elliott, Claud
Englehardt, Fritz
Ennis Brown & Co
Erickson, Henry
Esterbrook, Bert
Ferneyhaugh, Mr and Mrs G H
Frances, Mr
Fisher, Geo R
Fisher, Claud
Fountain, D S
Forquer, Geo
Fox L
Freeman, J F
Froebe, Will
Gareth, Edgar W
Gates, Birt
Gem Book Company
Glidder, O T
Gold Bay Syndicate
Green, William
Guild, H G
Hagen, Cato
Hankins, Guy
Hargeores, Ed
Hardt, H B
Hardy, Mr and Mrs Dem
Hatfield, C R
Harman, John
Harman, J L
Helmrich, John
Helping Hand, Editor-2
Hellerud, T K
Hendryx, A G
Herakides, George
Hewitt, Harry
Hill, Milton
Hodge, D
Hodge, Dave
Hoffman, J W
Hoffman, Thos
Houtchene, Ralph
Howard, Mr and Mrs Geo H
Humnard & King
Hunter, J C
Jacobia, Sylvan
Jean, W G
Jerry, I B
Jones, John N
Kjemhus, Steal
Keppel, H A
Kihlman, Ivar
Kieser, Henry
Lampheor, Lorm
Langley, Mr
Laske, Charles W
Lear, Henry
Leonard, Dr H F
Lesard, Edd
Leppert, Rev David
Lewison, J
Lockwod, Claud
Lucky, Lewis
Lyell, W E
McAfee, William-2
McCullum, Alex-4
McConran, Frank
McCoy, Jack
Maleby, E J
Mankin, W H
Marion, Henry V
Marcier, Tom
Mason, Clyde
Masson, J L
Masterson, A C
Mathison, Henry
Mekalsen, Fredthjax
Merrell, Jesse T
Metcalf, G E
Miles, Mr and Mrs-2
Millard, Jos W
Miller, Ed
Miller, J P
Miller, Mr
Mitchell, F H
Monchar, Gould
Monahan, Everett
Moon, Mr
Moore, H W
Moore, W A
Morgan, Earl
Morton, Arthur
Moston, Edydlie
Mundell, S C
Munroe, J R
Murray, Hugh
Meston, E S
Neville, Wm
Nettleton, W H
Nelson, James
Northwestern Improvement Co
Nicolai, Henry
Obye, Lewis E
Ogden, Mr and Mrs Walter
Olover, John
Olson, Carl
Ordermann, E L
Osborne, David
Ott, Andrew
Pacific Asthma Co
Page, Charles G
Paddock, H S-2
Palmisano, Vincenzo
Parrish, N C
Parrott, E A
Paris Art Co
Payne, Jack
Paulson, L L
Perkins, J W
Perrin, Chas
Perkins, Mr and Mrs J
Peterman, Edward
Peterson, Ludwig H
Pickring, W A
Pilkington, Ira
Poer, Perl
Porter, Wm H
Portland Barber College
Portland & Idaho Mining Co
Proctor, Louis
Preston, W H
Price, Roy
Quijads, Jose
Rhyne, J C L
Radbourne, H
Rankin, Dr & Mrs
Rasmussen, Jens
Rathbone, Mr and Mrs E J
Rauscher, Adam-2
Raudstein, Knud
Reichelt, W-3
Redfern, M C
Reed, Leonard W
Reynolds, S B
Rickman, W
Rice, Lloyd
Richardson, Geraldine
Richardson, A G
Riggs, A W
Riggs, H L
Riley, Roy
Rinehart, Thomas
Risara, Bernardo
Robidean, E A
Robidean, Ernest
Robinson & Gillette
Robinson, Thomas F
Rogers, Albion, B
Rogers, R J-2
Roneberg, Wm
Rosenback, Phil
Rosedine, Wm A
Ross, E L
Rosel, Gust
Russell, Charles A
Russell, John A
Ryder, W A
Sanderson, Harry
Scaels, Chester
Schmitt & Bastell
Shambrook, Benjamin F
Sheckel, H E
Sheldon, Edmund P
Sheridan, R S
Shiederman, Wm
Shoumaker, A C
Skellenger, L C
Smith, Mr and Mrs
Smith, John-2
Smith, Stuart
Snyder, R A
Schnleder, Chas H
Sommerville, T B M
Soliva, Paul
Sobieske, Mr
Spencer, E F
Spring, J W
Stigner, L M
Stalmin, Q E
Stegman, C M
Stone, L C
Stone, Guy
Stribling, Adolph
Straudhahn, Emil
Sunman, L
Swank, Wilmer
Talbert, E N
Tanner, Henry
Tarbox, F
Taylor, E P
Taylor, James B
Taylor, W N
Thumsuden, Ernest
Thatcher, Mr and Mrs
Thorton, Luke
Thompson, Edward
Thompson, George C
Tiura, J
Tippet, W R
Todd, John Y
Tohey, John
Tohud, Martin
Trimmer, Sam
Trout, Chas J S
Urquhart, A F
Van Vechten, Dr W B
Waddell, J B
Walker, A M
Walter, Ward-2
Ward, E M
Warner, W J
Wegman & Son, J H
Welsh, A M
West Coast Supply Co
Wilstrom, G F
Wigle, J E
Williams, J N
Willis, F E
Wilson, C C
Wilson, Frank
Wilson, Justice
Wilson, John M
Wood, Harry
Wood, W
Worrell, William V
Wright, N J
Young, William S
Young, L
Zurcher, William

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Adams, Mrs M C
Allen, Miss Nettie
Anderson, Mrs Emma
Austin, Miss Ione
Baker, Mrs Suda
Balz, Miss Hilda
Bankston, Miss Georgia
Band, Miss Rease
Barlow, Miss Ethel
Barnes, Miss Allie
Bartow, Mrs
Bates, Mrs Iola A W
Bassett, Mrs Lou
Bechtel, Mrs Myrtle
Belding, Mrs Claudie G
Bell, Mrs Geo S
Bert, Clara
Bergon, Mrs N F
Bergsvik, Mrs Sarah
Berry, Mrs Nora
Bissonette, Miss Lois
Biddle, Beckie
Bishop, Mrs Julia
Bouchard, Mrs L J
Bogart, Mrs H V
Bond, Mrs M J
Boss, Miss Maude
Bradford, Miss Axelia
Brure, Miss Emma
Brewer, Mrs C
Briggs, Mrs Nina
Brooks, Mrs H L
Brown, Florence
Brown, Miss Lola
Caples, Misses J W
Calkins, Mrs Alice
Cain, Miss Marcelli
Carlisle, Mrs L A-2
Carleton, Miss Maud
Carlton, Mrs H J
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Case, Mrs Dolly
Catching, Cora
Chapel, Miss Maud
Chipman, Mrs H E
Classen, Mrs Mary
Clark, Miss Carrie
Clearwater, Mrs Louisa
Cody, Mrs Barney
Collins, Mrs P F
Cooley, Nelly V
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Cook, Mrs Catherine
Cramer, Miss Louise
Crawford, Miss Svah
Cronan, Mrs James
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Dabney, Mrs Inez
Davis, Miss Hattie
De Poe, Miss Clara
Dean, Ruth
DeWitt, Mrs Chas
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Dodson, Mrs M P
Dougherty, Miss Franc
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English, Mrs O M
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Esp, Miss Susie
Evans, Miss Adeline
Ferell, Maggie
Florence, Miss Jennie
Foss, Mrs E A
Fountaine, Mrs Jennie
Ford, Miss Sadie
George, Miss Grace
Glydisdale, Miss Helen
Glover, Miss L S
Graham, Mrs Dessie
Graham, Mrs Lucy
Guthrie, Miss Lelia
Hanley, Miss Lora
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Hayman, Miss Dora
Hayes, Mrs Florence
Hedrick, Mrs
Heisch, Mrs G W
Hunter, Miss Lucille
Hussey, Miss D
Jones, Mrs F N
Kelly, Miss Ruth
Kemp, Miss V A
Kendricks, Mrs Wm
Kimos, Mrs J J
Killduff, Miss Bertha
Kinzer, Miss Mae
Kirker, Mrs Fred
Knaurt, Miss Regine
Lloyd, Mrs S C
Laughlin, Mrs Mattie
Leaf, Miss Helen
Lederer, Mrs E
Little, Mrs Dr Gordon
Lacey, Mrs Dora
McDonald, Josie
Madison, Mrs W P-2
Madden, Miss L
Magore, Mrs
Marbrabok, Mrs Anton
Martin, Miss Grace
Mason, Mrs W
Mason, Miss Dorothy
Mathiesen, Chirstian
May, Annie
Michael, Miss Effie
Michels, Miss Tille
Miller, Miss Bee
Miller, Miss Gertrude
Miller, Mrs John
Mink, Mrs E E
Mitchell, Mrs Ben
Moore, Miss Mevina
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Neuman, Miss Pearl H
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O'Connor, Miss Gertrude
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Paradise, Mrs May
Parsons, Mrs Effie W-2
Patty, Miss Lila
Paton, Miss Leola-2
Patterson, Miss Jessie
Petderson, Miss Emmery
Pierce, Mrs Ethel
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