

# SPORTS NEWS OF THE WORLD

## ALCOHOL WILL STOP FREEZING

### Water Cooled Automobiles Need Fear Frigid Atmosphere no More.

By Coker F. Clarkson.  
The cold weather is coming on, and the freezing proposition will come to the front again. There is certainly no reason why a water-cooled machine should not be run in any weather. It may fairly be said that the freezing problem is settled. For some years practical tests have been made, determining what the effect of the cooling system of an automobile, to prevent freezing and at the same time to insure any part of the machine.

Various salts, glycerine and alcohol have been considered. Wood alcohol was chosen for the first experiment because there was not the slightest chance of its injuring any machine. A set of laboratory freezing experiments were made to determine what percentage of water and alcohol would freeze under artificial conditions. The results showed that it is possible to use alcohol and water mixed to resist almost any degree of cold.

Then the question of whether alcohol would separate from the water and waste away so fast as to make the expense prohibitive, was taken up. It was found that the alcohol mixed with water would be lost on mild days. A water-cooled automobile was taken and seven gallons of water-alcohol mixture were placed in the radiator. The radiator was connected to the top of the radiator a bottle, into which a pipe led from the engine to the radiator. It was found that except under extreme conditions, such as on a mild day, allowing the engine to run without a fan while the machine was standing still, no vapor at all arose.

This led to the thought that it might be possible to close the cooling system entirely in cold weather, obviating any chance of loss by boiling away. A pressure gauge connected to a cooling system so closed, indicated a pressure of only six pounds under very severe conditions.

This means that there are some machines that can be run without loss practically of alcohol and water from the cooling system.

It is also possible that many machines that have relief tubes can be run in cold weather. The relief tubes to find this out in an inexpensive manner is to take a small bit of rubber tubing, fitting the end of the blow-off tube and a wooden plug in one end of the tube and slip the other end over the pipe lightly. Any pressure that would force the water out would blow the tubing off and prevent injury.

The combined use of glycerine and alcohol mixed in water solves the question for both hot days and cold days; the boiling point of glycerine being higher than that of water will balance the low boiling point of alcohol, so that the boiling point of the mixture will be reasonably high.

In the percentage of glycerine required to meet a given temperature is much larger than the required percentage of alcohol, and the matter of cost, a mixture of alcohol and glycerine for use in the water is better. Although glycerine slowly but surely destroys rubber tubing connections.

A mixture of water and glycerine (thirty per cent glycerine) will stand about fifteen degrees Fahrenheit. To be safe at ten degrees below zero, about fifty per cent of glycerine in the water is necessary.

Twenty-five per cent of half alcohol and half glycerine, added to water, will resist freezing at the regular winter heat. Thirty per cent of half alcohol and half glycerine, added to water, will resist freezing at practically ten degrees below zero.

The right way to handle the cooling mixture is to find out the equation for the amount of alcohol you can stand without boiling the mixture on mild days sure to be met in this climate. Some mixtures will stand the alcohol, that is, mixed with water; others will not and glycerine must be used to keep up the boiling.

**Salts and Oil.**  
An eminent authority has said that it is inadvisable to use in automobile cooling systems any of the chemical compounds frequently suggested. The extended use of oil, with which there has been considerable experimentation and use in other times, in the case of stationary engines, is hardly probable at the present stage of development.

**Oakland Races.**  
Oakland, Cal., Nov. 17.—Weather clear, track fast. Yesterday's results: First race, five and a half furlongs, selling—Novgorod, 107 (Ross), won; Aunt Kit, 107 (Walsh), second; Miss Highland, 107 (Powers), third. Time, 1:08.  
Second race, six furlongs, selling—Billy Myer, 109 (Archibald), won; Priceless Jewel, 109 (Walsh), second; Uncle Sam, 109 (King), third. Time, 1:15.2-5.  
Third race, mile and 70 yards, selling—Colonel Bronston, 114 (Kirchbaum), won; Merrill, 114 (Keogh), second; My Pal, 114 (Walsh), third. Time, 1:48.2-5.  
Fourth race, mile and a sixteenth, purse—Astronomer, 100 (Upton), won; Cadichon, 97 (Ross), second; Deutchland, 109 (Powers), third. Time, 1:44.5.  
Fifth race, five and one half furlongs, selling—Sempron, 119 (Walsh), won; Mozart, 110 (Archibald), second; Lighter, 107 (Powers), third. Time, 1:07.3-5.  
Sixth race, a mile and seventy yards, selling—Billy Pullman, 109 (Powers), won; Charles Green, 114 (King), second; Mike Jordan, 114 (Miller), third. Time, 1:45.2-5.

**Second Team Meets Indians.**  
(Special Dispatch to The Journal.)  
The Oregon Agricultural College, Corvallis, Nov. 17.—The first O. A. C. second team game to be played this fall is scheduled for Friday of this week with the Chemawa Indians at Salem.

The second team has put up high class ball against the regular team with the squad and is in fine trim to meet the Chemawa braves.

After the game the men will go on to Portland for the big varsity game with Oregon on Saturday.

**CONSUMPTION STATISTICS.**  
Prove that a neglected cough or cough put the lungs in so bad a condition that consumption germs find fertile field for fastening on one. Stop the cough just as soon as it appears with Eildard's Household Syrup. Soothes the torn and inflamed tissues and makes you well again. Sold by Skidmore Drug Co.

**TO-NIGHT**  
**W. H. Name**  
THEY WORK WHILE YOU SLEEP  
FOSTER & KLEISER SIGNS

## BAKER CITY HIGH SCHOOL FOOTBALL TEAM



Reading from left to right: Top row—Jack McCard, Jack Jett, Finch F. Jones, Elmer Hall, Ray Hindman, Parm Hunstock. Second row Joe Harby, Lynn Blum, Roy Denham, Leonard Taylor, Third row—Ray Finley, Jack White, Tom Borman, Dan French, Alfred Lee, Glen Wisdom, W. Cuning, George Gilpin, manager, and M. McKim, coach.

## OREGON SQUAD WILL PLAY HARDEST GAME

(Special Dispatch to The Journal.)  
Eugene, Or., Nov. 17.—While the result of the Washington game has eliminated Oregon from the Corvallis race and seems to give Corvallis the best of the paper prospects, the students are still confident that the defenders of the lemon yellow will give O. A. C. the hardest game they have ever played when the rival football teams meet in Portland Saturday.

Oregon was simply outwitted to such an extent last Saturday that her lighter team could make no headway through the Evergreen line, while Washington's mass plays were too much for the Oregon team. The visitors also had by far the better of the argument in receiving punts, seldom fumbling them, while Chandler misjudged several. This was not entirely his fault, as he was severely shaken up by running into the fence at the end of the field while running after a long punt, which crossed the line. The wire cut his face and stunned him for an instant, so that he was not as good as usual. Every time he did catch a punt he made a good gain.

A pleasing incident in connection with this occurred in the second half, when he was tackled with such force by Washington that he was carried over the sideline and the breath squeezed from his lungs. The ball was knocked from his hands and the Washington man fell on it, but noticing it was out of bounds, and that Chandler was laid out, with true sportsmanship returned it, although he could have kept it under the rules.

The "Oregon Weekly" voices the sentiment of the students in an editorial entitled "A Gentleman's Game," commenting on the cleanliness and sportsmanship of the Evergreen players in last Saturday's contest.

**Use Every Known Effort.**  
From now until the team leaves Thursday every known effort will be made to get the team into the pink of condition. Although there is some talk of moving to a new quarter, it is probable that there will be no changes in the line-up.

The team is in excellent condition, considering the fierce game they played Saturday, although a few were bruised considerably and all are sore.

Pinkham, who was taken from the game in the second half because of exhaustion, was not seriously injured and will be in the game as strong as ever. Pinkham's work Saturday has shown him to be one of Oregon's premier players, and should give him a place on the All-Northwest this year. He played "rings round" Eakens and was in every play, frequently tackling behind the line.

Oregon will send a large delegation to Saturday's game and many Eugene people will attend. While the vacation between the O. A. C. games and Thanksgiving, which was petitioned for was not granted, those who desire to remain in Portland will be given leave of absence from all classes, which will be carried on as usual.

Tickets for the game have been placed on sale at the university and are being sold rapidly.

**JACK WELSH WILL REFEREE BIG FIGHT**

(Edited Press Leased Wire.)  
San Francisco, Nov. 17.—Billy Papke and Stanley Ketchel, who switched from the management of Jack Gleason to that of James W. Coffroth in order to appear at the latter's open Mission arena on Thanksgiving afternoon, have agreed on Jack Welsh as referee.

The changing of the fight date was accomplished after Joe O'Conner had decided that Gleason's Thanksgiving eve date at the Coliseum would not draw as large a crowd as the holiday date. O'Conner claimed the privilege to change the match under an agreement that Ketchel would meet the date if Ketchel was not satisfied.

Gleason is none too jovial over his treatment, as he declares that he offered Ketchel \$10,000 and paid \$12,000 win, loss or draw. In order to hold the match, he also sought legal advice and may bring action for damages.

**CROSS COUNTRY RACE FOR TURKEY AT O. A. C.**  
(Special Dispatch to The Journal.)  
Oregon Agricultural College, Corvallis, Nov. 17.—Thursday afternoon of this week the Thanksgiving cross country run will be held in conjunction with the final interclass football game between the freshmen and juniors.

The course is two miles in length and quite level, consequently good time will doubtless be made.

The winner will receive a large turkey, the second man a goose, third man a chicken and fourth an egg. This promises to be an exciting contest and much interest is manifest. It is the intention of the athletic management to make this an annual affair and also to lengthen the course to be covered thereby, requiring more strenuous training for the event.

## HAWTHORNE TEAM DEFEATS BROOKLYN

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**WHY NOT ASK INJUNCTION?**

W. H. Name Suggests Plan to Anti-Statement No. 1 Forces.

The following communication was sent to the Oregonian, but was refused publication:

Portland, Or., Nov. 15.—To the Editor of the Oregonian:—Much as I appear in your editorial columns regarding the constitutionality of Statement No. 1. Now it occurs to an humble citizen that if an outrageous unconstitutional act is about to be committed, why not apply to the courts to prevent it?

Why not enjoin those Statement No. 1. Republicans by instituting for Chamberlain? Surely that learned constitutional attorney, Judge M. C. George, who can fill columns with his legal arguments and wisdom, can make out a good case. What's the use of burdening the people with all this argument? What do the people know about constitutional law, and what could they do if they did know? Is it not the business of the courts to enforce the provisions of the constitution? Why all this alarm? If an illegal, unconstitutional act is performed, can it not be annulled by the courts?

We've also seen much in your columns about the Democrat who persecuted himself by instigating as a Republican, but not much about that more numerous person, the Republican who knifed his party nominee. The spy who bet on the enemy's camp, even though he may take false oaths, is incomparably more honorable than the traitor who bet on his own side. The Oregonian has placed the number of the latter at about 14,000 in the state, (leading editorial November 14). Why doesn't the Oregonian ensure them? We surmise that it is because that would be slapping its accomplices, the Fulton ring, in the face.

You say Chamberlain was not the choice of the people; who was Fulton then? The Oregonian, the Oregonian, and bunch of henchmen.

You say Chamberlain will not be in harmony with the administration. Was the relation of Fulton to the Roosevelt administration a model of harmony? Yes it has, and he is man plied higher in the graces of the champion of "a square deal" than the sack-holding, curly-tongued, legislature-corrupting boss, whom the Oregonian is supporting.

Speaking of the results of the election for senator in June you say: "It is no more than petition by the people or by a portion of them." Granted, but a majority of the legislators have voluntarily taken a pledge to abstain

## DARING AUTO DRIVER IS KILLED IN RACE

(United Press Leased Wire.)  
Birmingham, Ala., Nov. 17.—Emil Strickman was killed almost instantly today while trying to break the world's record for 24 hours continuous automobile driving. He was in a big Renault car and was taking many chances in a wild trial for the record, when something went wrong and the car was smashed. There was nothing left of the machine but a tangled and twisted mass of iron and the driver was crushed so that he was hardly recognizable.

**Beavers Dark Horse.**  
Regardless of its showing, against Whitman college, the Beavers are more or less of a dark horse. Just how strong they are is not known. That they have a dangerous man in Captain Wolfe is known. Unfortunately, the O. A. C. schedule last year was so limited that local followers of the game never had a chance to see Big Carl in action. But this duel of the air is bound to be one of the features of the game.

**Only One Touchdown.**  
Since 1899 when Oregon beat Corvallis 38 to nothing, no team has made more than one touchdown in a game. Frequently in that period neither team has been able to score, so hard has the fighting been. This is what lends poignant interest to the Saturday contest.

It is generally admitted on relative showing that the Aggies have the stronger team, but even at that it is no certainty that the Aggies can win. If the scores are to be made from the kicks, then Captain Moulton is just as likely to put the ball over the bar as is Captain Wolfe. Last year's record of Wolfe's place kicks won the game and maybe a place kick will decide it this time.

Both teams will reach Portland Friday and establish separate camps at the museum by Saturday. The varsity usually chooses a downtown hotel, while the Aggies are said to desire a more quiet retreat and will probably get away from the business center.

**McCrede After Hub Hart.**  
Manager McCrede of the Portland team is making a great effort to secure the services of Hub Hart, the former Chicago White Sox catcher, who is now playing for the Boston Red Sox. He is expected to arrive at Corvallis tonight, and will remain until Friday, when he will accompany the team to Portland.

**Superheated steam locomotives are so highly regarded in Europe that scarcely one is being built without a superheater.**

that petition. If they keep that pledge it will still be a voluntary act on their part. You eloquent champion of honor (?) do you consistently advocate the breaking of those pledges, or the cowardly evasion of them? How can you denounce Democratic perjury and Republican treachery, but not the faith? How can you preach purity with one breath, and attempt to suborn breach of faith with the other?

Why should not Republican legislators vote for Chamberlain in compliance with their pledges, when 14,000 Republicans voted for him? Why should they disapprove of the game? In other words, to down Coker? He is not only the champion of the people, but he is the champion of the people's choice, or the choice of a very large percentage of them.

Hulu or rule is your motto, and it must be admitted that your motto is most, your words and policies are consistent. W. H. NAME.

**Every Woman**  
is interested and should know of this wonderful MARVEL Whirling Spray. The new Whirling Spray, the only one of its kind, is the most powerful, most effective, and most economical. It cleanses instantly.

**FOR WOMEN ONLY**  
Dr. Sanderson's Compound is the best and only reliable remedy for FEMALE TROUBLES AND IRREGULAR MENSTRUATION. Cures the most obstinate cases in 8 to 10 days. Price 42 per box, or 3 for \$5; mailed in plain wrapper. Write for particulars and directions to: Dr. J. C. Sanderson, 44 E. 23rd St., NEW YORK.

**MORPHINE**  
and other drug habits are positively cured by the new method of Dr. J. C. Sanderson. Sample sent to any drug habitually Free. Regular price \$2.00 per bottle. Write for particulars and directions to: Dr. J. C. Sanderson, 44 E. 23rd St., NEW YORK.

**CHICHESTER'S PILLS**  
THE DIAMOND BRAND. Ladies! Ask your Druggist for Chichester's Pills in Red and Gold metallic wrapper. Take one or two, after each meal. They are the only pills that cure. Sold by Druggists Everywhere.

**MEN AND WOMEN.**  
Use Big 42 for unnatural discharges, inflammations, irritations or ulcerations of mucous membranes. Painless, and not irritating or poisonous. Sold by Druggists, or sent in plain wrapper, by express prepaid, for \$1.00, or 3 bottles \$2.75. Circular sent on request.

## RECORD CROWD AT COLLEGE BATTLE

### Grandstand Reservations From Far Away—Game Will Be Close.

That there will be a record-breaking crowd at the University of Oregon-Oregon Agricultural college game in Portland next Saturday is assured by the number of reservations for grandstand seats that have been made thus early. From as far east as La Grande have come orders for seats and as far south as Roseburg. In addition to these scattering orders there will be a delegation of 2,000 students and townsmen from Corvallis and about 1,500 from Eugene. This added to the immense turnout of football supporters in Portland, is bound to fill the commodious grandstand and sidelines.

Owing to the early dusk the managers of the two sides have decided to call the game at 3:30 o'clock instead of 3 o'clock as originally decided upon. This will give plenty of opportunity of finishing the game before 4:30 o'clock.

**Result Is Clouded.**  
Nobody now knows how the "D" Aggies game will end. There is a tradition that these two big colleges always play harder against each other, no matter what kind of a showing is made earlier in the season. At Eugene the slogan is "Beat the Aggies," and at Corvallis the warwhoop is "Down with the Varsity." But that is only for this one game. When an Oregon team is playing an outsider the lemon yellow roots for the orange, and vice versa, just as faithfully as the students of the battling schools.

Oregon has been best by hard luck this season, having lost a game to Washington university and to Whitworth college. But in the past Oregon has done this same thing and then beat the Aggies out when they finally came to the field. The rare fighting spirit of the past is just as strong this year in the hearts of the Eugene collegians and they will fight harder than ever to vanquish their time-honored rivals.

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## FRUITMEN PLAN FINE EXHIBIT

### Products of Northwest Association Members to Be Shown Here Soon.

Arrangements for the convention of the Northwest Fruit Growers' association to be held in this city December 2, 3, 4, are progressing rapidly. The fruit exhibit and the program will be the best in the history of the association. The fruit exhibit is to be in readiness

by November 30, and will be probably the best ever seen in the state. Not less than 500 boxes of fruit grown in fruit on these subjects will be one of the features of the convention. President R. L. Smith and Secretary E. R. Lake have nearly completed this program. The convention will convene in the Woodmen of the World hall, on Eleventh street between Washington and Alder, at 9:30 Wednesday morning, December 2, and will continue for two days. The third day, Friday, will be given up to sight seeing throughout the city and the Willamette valley.

**Jack Lund Goes Back.**  
Salem, Or., Nov. 17.—The governor yesterday honored the requisition of Jack Lund, in custody at Portland, and wanted in Oakland, Cal., on a charge of burglary.

Want to know why drugs haven't cured you? You are doping your stomach day after day with nauseating medicines, but don't seem to get any better. In fact you are getting weaker.

The stuff that you take is nothing more than poison, and poison never cures anything. Instead of giving your body nourishment, something to build up you take drugs, which only tear down.

To cure anything you must help nature. Nature will cure you if she has the power. This power is electricity. You see, electricity runs every part of your body.

Most all the ailments of man can be traced to the failure of breaking down of the nerves, stomach, liver, kidneys, heart and digestive apparatus. The reason any organ fails to do its work properly is because it lacks motive power, electricity. Restore that power where it is needed and pain and sickness will disappear. I do this with my Electro-Vigor.

Electro-Vigor saturates the nerves with a soothing stream of electricity, and they carry the force to every part of your body giving strength and nourishment where it is needed. It removes the cause of disease. Electro-Vigor is an electric body battery which you wear while you sleep. It makes its own power and is always charging, ready for use. The Electro-Vigor is not an electric belt. It is easy and cheap to be cured by Electro-Vigor.

My health has improved very much under the use of Electro-Vigor. The backache and diarrhoea are cured and I am feeling better generally than I have for years past. I am an old resident of Portland, having lived here about 20 years, and will be glad to vouch for your treatment at any time. H. F. BRUNK, 875 Santa Rosa, Portland, Or.

**This Is Free**  
Cut out this coupon and mail it to me. I'll give you a beautiful 100-page book which tells all about my treatment. This book is illustrated with pictures of fully developed men and women, showing how Electro-Vigor is used and explains many things you want to know. I'll send the book closely sealed and prepaid, if you will mail me this coupon.

**S. A. Hall, M. D.**  
1314 Second Ave., SEATTLE, WASH.  
Please send me, prepaid, your free 100-page illustrated book. 11-17-5  
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**FREE MUSEUM-FOR MEN ONLY.**  
Life-size reproductions of the human form, presenting a study of health and disease affording educational opportunities not found elsewhere. Our medical offices and treatment rooms are on the same floor, though separated from the museum by a wall, so that there is no confusion or publicity; parties desiring to consult us can do so in strict privacy and free of charge.

**\$5.00** Our Fee for a Complete Cure in any Uncomplicated Case.  
Weakness of men: Varicocele, Nervous Debility, Kidney, Bladder, Prostatic and all Contracted Diseases. If you cannot call, write for self-examination blank. Hours, 9 A. M. to 8 P. M. daily. Sundays, 9 to 12 only.

**OREGON MEDICAL INSTITUTE**  
231 1/2 MORRISON STREET, Between Fourth and Fifth, Portland, Or.

**Be a Complete and Vigorous Man**

**EVERY DAY OF YOUR LIFE**

To be strong and manly is the aim of every young man and yet how many find who are wasting the vitality and strength which nature gives them. Instead of developing into the strong, vigorous, manly young fellows that nature intended them to be, they find themselves weak, stunted and dependant—no ambition to do anything. They struggle aimlessly along, sooner or later to become victims of that dread disease, nervous debility, their finer sensibilities blunted and their nerves shattered.

**I CURE MEN'S DISEASES**

I have treated hundreds of men who had long suffered a gradual decline of physical and mental energy as a result of private ailments, and have been interested in noting the marked general improvement that follows a thorough cure of the chief disorder. My success in curing difficult cases of long standing has made me the foremost specialist treating men's diseases. This success is due to several things. It is due to the study I have given my specialty; my having ascertained the exact nature of men's ailments, and to the original, distinctive and thoroughly scientific methods of treatment I employ.

To those in doubt as to their true condition who wish to avoid the serious results that may follow neglect, I offer free consultation and advice either at my office or through correspondence. If your case is one of a few that have reached an incurable stage, I will not accept it for treatment, nor will I urge my services upon anyone. I treat curable cases only, and I will cure all cases I treat.

**Weakness**  
You've probably been treated for so-called weakness and helped temporarily or not at all, and the reason is very apparent when cause of loss of power in men is understood. Weakness is merely a symptom of chronic inflammation of the prostate gland, which my treatment removes, thereby permanently restoring strength.

**Specific Blood Poison**  
No dangerous minerals to drive the virus to the interior, but harmless blood-cleansing remedies that remove the last poisonous taint.

**Varicocele**  
Absolutely painless treatment of the cure completely in one week. Investigate my method. It is the only thoroughly scientific treatment for this disease being employed.

**Contracted Disorders**  
You can depend upon a quick and thorough cure by my treatment. A quick cure is desirable because a slow cure is apt to be no cure at all, and a chronic development will come later. I cure you beyond the possibility of a relapse and in half the usual time required.

**PAY WHEN YOU HAVE CURED YOU**  
My colored chart showing the male anatomy and affording an interesting study in men's diseases, will be given free upon application.

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**This Is Free**  
Cut out this coupon and mail it to me. I'll give you a beautiful 100-page book which tells all about my treatment. This book is illustrated with pictures of fully developed men and women, showing how Electro-Vigor is used and explains many things you want to know. I'll send the book closely sealed and prepaid, if you will mail me this coupon.

**S. A. Hall, M. D.**  
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Name.....  
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