

U. S. PERFECTS NEW METHODS GAGGING COLD

Scientists Also Able to Measure Heat to One-Thousandth Part of a Degree by New Invention

WASHINGTON, Aug. 22.—(AP)—When on future cold winter mornings people start arguing about just how low the thermometer fell, the bureau of standards can settle the question more accurately than ever before.

Scientists of the bureau have made it possible, for the first time, to measure a rise or fall in temperature to a thousandth part of one degree.

They hope this new accuracy of measuring changes in heat and cold will result in greater comfort during future hot summers. It may lead, they say, to improvement in all kinds of refrigerating machines, from small kitchen refrigerators to the large systems used to cool theaters and hotels.

Marking is Delicate Process. Making of a thermometer to show such a small rise or fall of the mercury is accomplished by immersing the thermometer in a liquid held exactly at a given temperature, then changing the temperature by the desired amount, and marking the resulting change in the height of the mercury column.

To mark a change as small as a thousandth of a degree on a thermometer, the temperature of the liquid must be held so that it does not vary beyond that limit.

Dr. F. C. Brickwedde and R. B. Scott have made this possible for what is claimed to be the first time. They have made a liquid "keep itself cold" so exactly that it does not vary more than this amount. Thermometers immersed in this liquid then can be marked to show changes of a thousandth of a degree.

In the process a liquid that does not freeze easily is cooled very close to the desired temperature by placing its container in a larger container of liquid air. Then a coil of platinum wire is put into the liquid.

The coil acts something like a thermostat. It is connected with a photo-electric coil regulator. Electricity flows through the coil.

Regulation is Automatic. When the liquid is warmed more than a thousandth of a degree by the electricity in the coil, the warmth makes the coil slightly more resistant to the current. This resistance causes the regulator to cut down the current.

With less current in the coil the liquid becomes cooler. When it becomes as much as a thousandth of a degree cooler the coil becomes a better conductor again, the regulator lets more current flow through it, and the liquid is warmed once more, the process continuing indefinitely.

Dressier Picture Closes Run Tonite. Tonight is the last showing of Marie Dressier and Polly Moran in their latest laugh riot, "Politics" now playing at the Fox Grandin.

Drunk Driver's Victim Succumbs. PORTLAND, Ore., Aug. 18.—(AP)—E. C. Sumner, 28, Portland, died at a hospital here last night from injuries received in an automobile accident Sunday night.

Deranged Woman Escapes Hospital. SALEM, Aug. 18.—(AP)—Mrs. C. B. Steinman, 43, committed to the state hospital for the insane March 6 of this year from Sandy, Oregon, escaped from the institution early today.

PLAGUE OF SNAKES HITS LITTLE FISHING VILLAGE

SOUTH BENFLEET, England, Aug. 18.—(AP)—A plague of snakes, many of them poisonous, has disrupted the peaceful life of this little fishing village.

Men of the village, accustomed to a rigorous and dangerous life on the sea, have been confounded by the visitation of reptiles, which is without precedent here and is unexplained.

Many of them, devout churchmen and remembering the happy delivery of Ireland by St. Patrick in similar circumstances, have asked the community to pay special attention to the plague in their prayers.

Nineteen snakes were killed in one field by a party of Benfleet men. Seven were adders, or vipers, and 12 were grass snakes.

About 50 adders have been killed thus far this year in the neighborhood of the village. While poisonous, the bite usually is not fatal. Two children bitten while at play on Hadleigh downs recovered but only after a painful treatment.

Signs of Better Times

(By the Associated Press.) Texas corporation directors have declared the regular quarterly dividend of 50 cents, payable October 1, to stockholders of record September 4.

The Aeronautical Chamber of Commerce of America announced airplane sales during the first half of 1931 were greater than during the corresponding period last year. The increase was due to the large number of military planes purchased.

A 20 per cent dividend has been declared by the St. Louis Cardinals, 1930 champions of the National baseball league, and who are in the lead for this year's pennant.

Holders of common stock certificates will receive \$5 a share. Par for Cardinal common is \$25.

An extra dividend of 50 cents a share on common stock in addition to the regular semi-annual disbursement of \$1, has been declared by directors of the W. A. Smeater Pen Co. Both are payable September 15 to stock of record September 1.

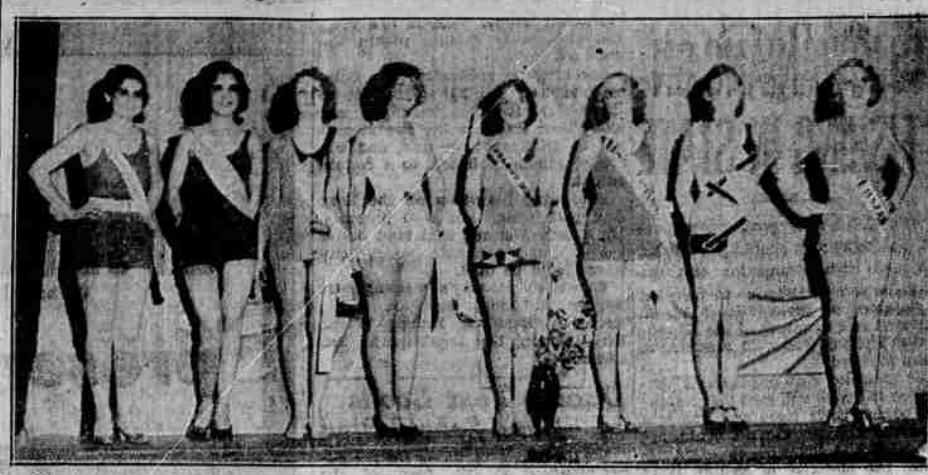
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BEAUTY QUEENS OF BORDERLAND IN CONTEST



Eleanor De Saulles, (right) 16-year old blonde of Nogales, Ariz., won the title of Miss Nogales in a beauty competition sponsored by the state national guard of American girls and Mexican señoritas.

DRUNKEN DRIVER DRAWS PENALTY IN POLICE COURT

Two liquor violation cases and one violation of the law forbidding four adult persons in the front seat of a car were disposed of in Judge Taylor's court today, with the sheriff's office as prosecutor.

Wilson, who has been in trouble before with the authorities, because of his fondness for intoxicants, is a well appearing man of 51 years, was spotted by Jas. O'Brien, member of the state police squad, last Saturday, driving his car slowly and in a menacing way on South Central avenue.

Wilson was first lodged in the police station and then taken to the county jail, where he failed, under examination, to pass the sobriety test. In court today he pleaded guilty.

Assistant District Attorney George Neilson, in addressing the court, said that Wilson, who had seen better days, had reached that stage of dependency over financial worries and a broken leg, suffered some time ago, that he seemed to seek more and more consolation in liquor and had reached the stage where for the public safety it was dangerous for him to drive on a highway.

Wilson was fined \$10 and costs for having four adults in the front seat of his car Sunday.

A. B. Ayers, local resident, forfeited a \$10 cash bail, put up Monday following his arrest on a charge of possession, by City Traffic Officer George Prescott, through failure to appear in court for trial today.

Paterson Coverstone was fined \$10 and costs for having four adults in the front seat of his car Sunday.

Extensive plans are being made by Yreka, Calif., citizens for the dedication of the Pioneer bridge near that city on August 29.

The Pioneer bridge is 264 feet above the ground and is 795 feet in length, lacking only a foot or being three times as long as it is high.

Officers of Siskiyou and northern California will be honored in the dedicatory services. Among the speakers on the program will be Judge William Colvig of Medford who will speak on "Pioneer Stage Drivers, 1830 to 1887."

Meteorological Report

August 18, 1931. Forecasts. Medford and vicinity: Tonight and Wednesday fair. No change in temperature.

Lowest temperature this morning, 54 degrees.

Temperature a year ago today: Highest, 85; lowest, 66.

Total precipitation since September 1, 1930, 13.87 inches.

Relative humidity at 5 p. m. yesterday, 13%; 6 a. m. today, 80%.

Sunset today, 7:07 p. m. Tomorrow: Sunrise, 5:23 a. m. Sunset, 7:06 p. m.

Observations taken at 5 a. m., 150 Meridian Time.

Table with columns: City, High, Low, Wind, Weather. Rows include Baker City, Boston, Boise, Chicago, Denver, Des Moines, Fresno, Helena, Los Angeles, Medford, New York, Portland, Reno, Roseburg, Salt Lake, San Francisco, Seattle, Spokane, Washington D.C.

PERMITS FOR PISTOL ARE SOUGHT BY MANY

In the last ten days, there has been an increase in the number of applications for permits to carry pistols, on the part of Jackson county residents.

Change in the Oregon law, covering firearms gives permission for an autoist to carry a pistol. The approach of the bird hunting season, is listed as one of the reasons for the increase in "pistol toting."

Many have the mistaken idea that the change in the law, permits the carrying of a loaded rifle or shotgun in the auto. This is erroneous, and the state police will rigidly enforce this statute.

CHURCH OPPOSING ESTABLISHING OF SPANISH DIVORCE

MADRID.—(AP) Flashed with success in abolishing the monarchy, some Spanish republican elements are groping toward the establishment of "modern freedom" in the marriage tie.

A recent survey in Madrid showed that a fair majority of those who played parts in the founding of the republic favor the inclusion of divorce in the expected revision of Spanish social laws.

Supporting these proponents of the plan are numerous authors, scientists and some lesser politicians.

For opposition they have the Catholic church, firmly entrenched in the great majority of Spanish homes, though its separation from the state is one of the major topics before the constituent assembly.

Legal separation has been hitherto the method of dealing with marital incompatibility in Spain.

Vigorously opposing the old system, Fernando de los Rios, minister of justice in the provisional cabinet, said:

"Legal separation is an invitation to immorality. It also definitely undermines the characters of children reared in its net."

He challenged the theory that divorce would be incongruous in a Catholic country like Spain, explaining that it was an accepted fact in Catholic Belgium.

Sharias de los Rios' belief were Angel Galarraga, director of public safety; W. Fernandez Flores, satirist; Roberto Novoa Santos, scientific writer; and Edouard Ortega y Gasset, first civil governor of Madrid under the republic.

Women for Divorce. Victoria Keitt, prison director for the government, and a phalanx of other advanced women added their voices in favor of divorce.

SHARKEY FOULS CLOSED CAREER OF PHIL SCOTT

Horizontal Champ Never Really Recovered From Low Blows Received in Miami Bout Is Declaration

LONDON.—(AP)—Phil Scott blames Jack Sharkey for his retirement from the ring.

"I have never been the same since I fought Sharkey at Miami and was fouled several times," he said. "I blame that fight for ending my career at the age of 31."

"Since then I have gone into the ring feeling very fit, but have been unable to recover from a really hard punch."

"I have had a lot of fights. Nobody seems to realize that I began to fight as far back as 1916. Although I have disappointed myself as well as the spectators at times, I can honestly say that I always have done my level best."

"The man in the street always remembers the failures and forgets the successes—that is the way of the world—but I would like to point out that I have lost only 10 out of more than 100 fights."

"The boxing public has treated me well, and I think that even now they would come to see me if I was still in the game. They know I have always fought for the best."

"I would like to ask how many British heavyweight champions have beaten so many foreign champions as I have done, both at home and abroad?"

"If my record was published in full it would look well, but victories in good fights over such men as Andre Anderson, George Cook and Tom Heeney seem to have been forgotten in the light of recent defeats."

No Hard Feelings. "Some hard things have been said about me, and at times I have been irritated, but I realize that they were for my good, and I bear no animosity. After all, that is boxing."

"I was disappointed in not winning the world's title, but I am ready to help any young fellow along the road if he shows promise. I think I know how to coach and train a man."

"I have never been disqualified throughout my career. Much has been made of my victories on four. Surely the blame for these should be against my opponents. I could not help being hit."

Besides running his hair dressing establishment Scott, who has resigned his claim to the British title, intends to hunt for a future champion.

LUTHERANS PLANNING STATE-WIDE RALLY

A state-wide Lutheran rally held at Sunset Home, on Sunday, August 30, with a program of speeches, and sponsored by the Lutheran League, but open to the public.

Families should bring their lunch baskets, milk, cream, and ice cream may be purchased on the ground.

The place is the Sunset Home, Olive street between 12th and 13th avenues joining the Sunset Home institution for elderly people.

tree, motorists may drive in park and enjoy the program, there not be seats enough on the lawn. The rally will be in the open park with speeches and a most pleasant day is anticipated.

cordial invitation is extended.

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CHILDREN ENJOY ROTARY TICKETS FOR FREE SWIM

Medford Rotarians heard an interesting report on the success of their free swim program by W. E. Lantis at the regular noon meeting today.

Free swim tickets are being given away each morning at the chamber of commerce by local youngsters who lack the necessary funds to pay for their own swims, suits and towels.

A total of 1000 swim tickets will be given by the local Rotary club during August.

Popularity of this worthy project indicates the need for a city swimming pool according to Chairman Lantis.

A report on the recent Northwest District Secretary's conference was made by D. A. Chambers who told some of the highlights of this annual meeting.

Joe Marshall, a new member of the club was introduced to the personnel by Rotarian John Boyle who made a short talk on the aims and objects of the Rotary organization.

President Shockley read a letter from the new president of Rotary International, Sidney Passall of London, England, which proved of interest to all present.

Fred Healy, Sr., was welcomed back into the club after an absence of several weeks on account of illness. Jack Wakefield was also reported as making a good recovery from his illness which has marred an almost perfect attendance record of several years standing.

Visiting Rotarians at the meeting were Dr. Elmer King of Covina, Cal., Carl Harstell of Compton, Cal., E. A. Eller of Klamath Falls, Other guests were Mrs. Carl Harstell of Compton, O. Loomis of Long Beach and P. D. Pullen of Portland.

COURT WILL ACT ON TEST ORCHARD

The county court, at its regular session tomorrow, will probably take final action in the signing of the lease for the Budge orchard tract, south of the city, to be used as a federal experimental orchard.

Petitions asking approval of the county court, largely signed by fruitgrowers and business men, have been presented.

The agreement requires that the county pay down \$3500 this year and \$2500 thereafter. In return the government assures that \$15,000 will be spent this year, in establishing the orchard, and \$20,000 annually thereafter, from a continuing appropriation. This is regarded by the county court as good business, even in a time of economic stress.

At a special meeting of the directors of the Chamber of Commerce last night, the experimental orchard was endorsed.

power man, had helped to finance Mr. Smith's campaign.

Now Mr. Smith says that Mr. Julius Rosenwald, of Illinois, offered him Sears-Roebuck stock worth three-quarters of a million dollars if he, Smith, would withdraw from the race, making sure the election of his opponent, the senatorial candidate favored by Mr. Rosenwald.

When this was written last yesterday Mr. Rosenwald had not replied to Mr. Smith.

Some newspapers say that Smith's story "broke" because of hostility between Inaull and Rosenwald, but that seems incredible. Important capitalists are usually intelligent enough to love each other or at least act as though they did.

For Mr. Rosenwald, it may be mentioned, without waiting for him to speak, that there is a difference between trying to buy a seat in the senate and trying to persuade one whom you consider an unfit candidate to withdraw from the race.

BRISBANE'S TODAY (Continued from Page One)

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The Lindberghs on their interesting flight, first to Toki and then on around the world, are seeking foreign parts with a vengeance.

An early reporter for the Japanese newspaper "Hochi" found them at Petropavlovsk in the central executive headquarters of Russian rule. The walls were decorated with red flags with figures of Lenin and Stalin, the dictator gone and the dictator in power.

Lindbergh's impression of Russia would be interesting but, wise young man, he confines his opinions to his specialty, flying.

Four bank failures in Toledo and twelve building and loan associations suspending payments elsewhere in Ohio caused sadness in Wall Street yesterday.

City police and detectives patrolled the banking district. And there was talk of calling out the Ohio national guard, although bank depositors, done out of their money, are usually not violent.

Colvig to Speak at Dedication of Bridge at Yreka

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The program will feature other speakers on pioneer subjects.

Stage drivers through the northern California-southern Oregon districts in early days will be honored guests at the celebration. A long list of the drivers, many of them known here, have been invited. A group of Medford citizens are planning to attend the opening of the bridge and will be joined by others from Ashland and Grants Pass.

Rich Japanese Believed Slain

NEW YORK, Aug. 18.—(AP)—An attorney engaged to investigate the disappearance of Hisashi Fujimura, wealthy importer, from the liner Belgenland, announced today he had evidence the Japanese had been set upon by three passengers.

The Belgenland returned last Friday from a six-day cruise to Halifax, and Fujimura's disappearance was reported by Miss Mary Redener, who had accompanied him as governess for his seven-year-old daughter, Toshiko.

PHOENIX, Ore., Aug. 18.—(Special)—The young people of the Christian Endeavor society of the Presbyterian church here plan to attend the summer rally at the Christian church at Ashland this evening. They will meet at the Presbyterian church at 7:30, and go in cars to Ashland for the rally commencing at 8:00. Anyone desiring to go is asked to be at the church at that time, and anyone having cars is asked to report to Joe Hartley or Edna Mae White or to be there at the hour set, as there is at the present time a shortage of cars.

Injuries Fatal OREGON CITY, Ore., Aug. 18.—(AP)—Mrs. Minnie E. Fash, of Boring, died here today from injuries received in an accident Sunday. Mrs. Fash was riding with S. C. Young, Boring, and their car overturned when Young attempted to stop at the side of the road.

Legal Separation Present Method for Warring Couples — Catholic Belgium Is Cited by Advocates

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Cardinal Owners Find Free Tickets Add to Receipts

ST. LOUIS.—(AP)—Twenty thousand free tickets to feminine fans on ladies' day, four thousand boys enrolled in the "Knockout Gang."

That may sound like a lot of free transportation to other club owners, but to Sam Broadon and his associates in the St. Louis Cardinal management it's sweet music.

They have found that it pays—in dollars and cents. Male escorts of the bargain hunting women must buy their way into the park, while even those who come unattended usually leave a little change with the vendors of peanuts, pop and ice cream.

As for the boys, they create and maintain interest in the home team through their discussions, arguments and, most of all, their loyalty.

The result has been a gain in actual paid admissions since the plan was inaugurated here and a successful tryout of the same scheme in Chicago.

WORK WILL START ON G. N. SHOP NEAR BEND

BEND, Ore., Aug. 18.—(AP) Construction work on the Great Northern property east of Bend, where a railroad repair shop and terminal point is to be located, is to begin this week. The terminal will be built at a cost of about \$300,000. Great Northern officials said.

E. D. Elwood, Optometrist, new location at 135 South Central, just south Montgomery Ward's. Tel. 272.

Krytalog, kodak glossy supreme. The Peaseley, opp. Holly theater.

Auction Sale—Unclaimed Freight. The Southern Pacific Company will sell at public auction to the highest bidder one electric furnace consigned to D. Williams, Gold Hill, Oregon. Sale to take place at 10 o'clock a. m., August 19, at Southern Pacific Freight Station, Gold Hill, Oregon.

Communications

Oregonian Report Scored. We deplore the publication of articles such as appeared in the Portland Oregonian under date of August 13th, referring to the employment of non-resident labor in the valley.

wherein said article erroneously stated that mass meetings were being held in Medford, that there was a danger of packing houses being bombed, and that the people of this community were at a white heat. There is no such condition existing in Medford, nor has there been, and the local correspondent of the Portland Oregonian who sent in this story had very little to base his article on, and we feel it was a misrepresentation, and we think harmful to our community welfare.

Stories of this nature going out in the press often injure a community unnecessarily and it is the sincere request of the members of the Medford Realty Board that those having the privilege of representing our district in the newspapers be most careful in what they say, and not try to make a conflagration out of a grass fire, as they, more than anyone, can help or injure their districts.

Respectfully submitted, MEDFORD REALTY BOARD. Medford, Aug. 18.

PHOENIX Endeavor To Attend Rally

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Tucan Cling peaches. Gilm ranch. Talent.

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