

GROUND AND WATER
WIRELESS SUCCESSNavy Department Announces
Important Discovery.

SYSTEM USED DURING WAR

Secret Carefully Guarded Until Now.
Work of Expensive Air Stations
in Some Cases Outdone.

WASHINGTON, Jan. 11.—How underground and through-water wireless was put into practical use during the war, was disclosed today by Navy Department officials, giving to the public another of its secrets, carefully guarded so long as it might be of value to the enemy. Government officials regard this development, originated in private research by James H. Rogers, a scientist of Hyattsville, Md., as one of the war's major scientific advances of the kind.

In practical use, the new system so far is employed only for receiving. Radio messages sent out by powerful stations in Europe are now being read at underground receiving stations in the United States, and in some cases better than when caught by the elaborate and expensive air stations.

Radio Signals Intercepted.

In addition, it was revealed at the department, through an adaptation of the Rogers theory, submarines under water are intercepting radio signals sent from shore and with crude apparatus the scientist has succeeded in transmitting signals miles from a submerged wire simulating a submarine. Officials say it is possible, although not yet an accomplished fact, that ground or water sending can be developed to a considerable extent. They do not anticipate, however, that the present method of sending from high towers will be superseded except for limited special purposes.

The theory most generally held until Rogers demonstrated the correctness of his views, was that impulses carried into the air from a radio transmitting station and deflected earthward became dissipated, as does lightning, when they struck the ground or water.

Theory is Disproved.

The Maryland scientist, however, believed that the impulses flowed through the earth as through the air and that it was only necessary to trap and measure them in the ground. He had been at work on this theory before the United States entered the war and had already interested naval experts. He offered the results of his work to the Navy without restrictions, and when they were accepted after some demonstrations at Hyattsville, officials say he was with difficulty persuaded to accept even remuneration for actual time given to co-operation with the government. One of the first steps taken was the request of the Navy Department, under war legislation, that his application for patents be expedited. This was done.

Some of the main advantages of the Rogers system as developed so far, according to the experts, are the almost negligible cost of construction, the intensifying of signals by pointing the sending apparatus toward the receiving station and reduction of static interference. Because of the latter advantage the Navy's receiving station at New Orleans, where communication with ships in Southern waters swept by frequent electrical storms is maintained, uses the underground apparatus with marked success.

Electrical Experts Aroused.

In war a great advantage is that submarines receive messages while submerged. This is being done by wires trailing in the water.

The Rogers development aroused electrical experts of the government to new efforts to improve radio transmission facilities. Out of the experimental work done with this and other ideas, steady advance has been made under war pressure, and Rogers' theories are interwoven with those of other men in the results that are being obtained.

FARE LEGISLATION SOUGHT

SPOKANE COUNCIL MOVES TO
SOLVE TRACTION PROBLEM.

Amendment Urged Giving Cities
Right to Fix Charges of
Transportation Companies.

SPOKANE, Wash., Jan. 11.—(Special.)—The City Council went on record today favoring legislation which will solve the traction problem in Spokane. The commissioners, while refusing to endorse any individual measure, wish the legislative delegation from the eastern part of the state to know that the city is in favor of such legislation.

The action was taken after a communication from R. A. Munro, president of the Public Ownership League, had been read, calling on the council to approve an amendment to the public service act that cities might themselves set the fares to be charged by traction companies.

The amendment reads that streetcar companies may not charge fares exceeding 5 cents, except when the increase is granted by city ordinance. "If the 'cent' carfare law is repealed," says Dr. Munro, "adjudication of streetcar fares is automatically placed in the hands of the Public Service Commission, an appointive commission whose decisions in the past have never been unpleasing to the public service corporations."

Allied Socialists to Meet.

BRUSSELS, Jan. 11.—(Havas.)—Socialists from allied countries will meet at Brussels in the near future, the Belgian Labor party announced. Among other work to be done will be the re-establishment of the Socialist International Congress.

IT PUTS THE "PEP"

Into Pepticon—The Combination of
Peppin, Nux, Iron, Celery.

This is what makes Pepticon of wonderful therapeutic value, and so successful after influenza, the grip and cold, blood and nerve troubles, anemia, paleness, nervous weakness, and the exhausting worry and anxiety over the world war.

It is a real tonic and nerve tonic, especially beneficial in the weakness following influenza and grip, to worn-out, brain-fagged men, delicate women, school-tired girls and to fast-growing boys, invalids and convalescents, the aged and infirm. It actually puts in a strong, healthy, and active blood, and restores the wasted red corpuscles. Your druggist knows its great merit.—Adv.

ARMY MAN WHO IS SPOKEN OF AS POSSIBLE SUCCESSOR TO
ROOSEVELT'S POLITICAL LEADERSHIP.

GENERAL LEONARD WOOD.

This is the latest photograph of Major-General Leonard Wood, close friend of and political sympathizer with the late Colonel Theodore Roosevelt. By some it is predicted that General Wood may succeed to Colonel Roosevelt's political leadership.

SINN FEIN ASKS FOR AID

PLEA MADE FOR YANK TROOPS
TO HELP WIN FREEDOM.

"Did You Win War in Order to
Knit Ireland's Chains?" Is
Pamphlet's Query.

DUBLIN, Jan. 11.—The headquarters of the Sinn Fein organization in Harcourt street were raided this morning by the police.

The raiders found pamphlets addressed to American soldiers in Ireland. They contained this question: "Did you win the war in order to knit Ireland's chains?" The pamphlet added: "We helped to win your independence. Will you help us to win ours?"

LONDON, Jan. 11.—Sir Horace Plunkett, who presided over the Irish convention early last year, which failed to reach an agreement on a scheme of self government for Ireland, will leave for the United States Wednesday. He intends to confer with prominent Irishmen in America on the grave situation in Ireland and to counsel against impatience which, in his opinion, constitutes one of the gravest menaces in view of the existing conditions.

"We cannot expect the world to be reconstructed in a few weeks after the ending of the war," Sir Horace said to the Associated Press correspondent, "and attempts quickly to untangle the complicated Irish problem, I fear, may lead to more serious consequences than possibly most of us believe."

With the exception of standing for home rule, Sir Horace is not aligned with any Irish faction.

POILUS SPRING UP FAST

Camoufleurs Replace Destroyed
Statue of Kaiser With Work of Art.

BY WILLIAM COOK.
(Copyright, 1918, by the New York World.
Published by Arrangement.)

PARIS, Jan. 11.—(Special Cable.)—Members of the camouflage department of the French army, who were sent into Lorraine with the army of occupation, have given an example of their art in Metz which has made them immensely popular with the residents. A statue of the ex-German Kaiser had been torn by the liberated Lorrainers from its central place in the main square. One night the camoufleurs went quietly to the old emplacement, and by morning a statue of French poilus six feet tall, stood on the site.

Word of the substitution spread over the town at daylight, and by early morning great crowds had gathered around the new statue, cheering and singing patriotic songs.

\$90,000 in Malarkey Estate.

Charles A. Malarkey, pioneer merchant, who died last August, left an estate valued in excess of \$90,000, according to the petition filed yesterday, asking that the will be probated. The two sons, Dan J. and James A. Malarkey, are named as executors. The bulk of the property is left to his two sons and daughter.

Klamath Falls Lodge Elects.

KLAMATH FALLS, Or., Jan. 11.—(Special.)—Mrs. Nellie Van Riper, of this city, was selected to head the Eastern Star Lodge for coming year, at the election of officers held last night. The following is the list of the new executives. Mrs. Nellie Van

LABOR SPURNS MEETING

Five of Six Delegates Refuse to At-
tend Socialist Sessions.

LONDON, Jan. 11.—Five of the six Labor members of the House of Commons, who were nominated to attend the international socialist conference at Lausanne, which would attempt to influence the decisions of the peace congress regarding trade unionism and socialism, have declined to go.

They are James Sexton, C. W. Bowdler, John R. Clynes, Will Thorne and Arthur Onions. James H. Thomas, the sixth delegate, has not yet announced his decision.

Tanning Material Import Restricted.

WASHINGTON, Jan. 11.—Restrictions upon the importation of tanning materials and tanning extracts have been removed by the War Trade Board.

A JOB—WANTED

For
Pep, Originality, Efficiency.

BY WELL-EDUCATED YOUNG MAN, AGE TWENTY-SEVEN, WITH COMMERCIAL, INDUSTRIAL AND MECHANICAL TRAINING. VERSATILE CORRESPONDENT, MECHANICAL ENGINEERING STUDENT. HAVING OFFICE, PRODUCTION AND EXECUTIVE EXPERIENCE WITH INDUSTRIAL AND MANUFACTURING CONCERNS. UNEMPLOYED ACCOUNTING, SHIPBUILDING DEPARTMENT.

PERMANENT JOB WANTED. GIVING PROMPT AND WILLINGNESS TO WORK AND STUDY THAT WILL REFLECT THE BEST OF CONSCIENTIOUS ENDEAVOR. EXCELLENT REFERENCES.

N 290, Oregonian.

COZY Dairy Lunch
and Cafeteria

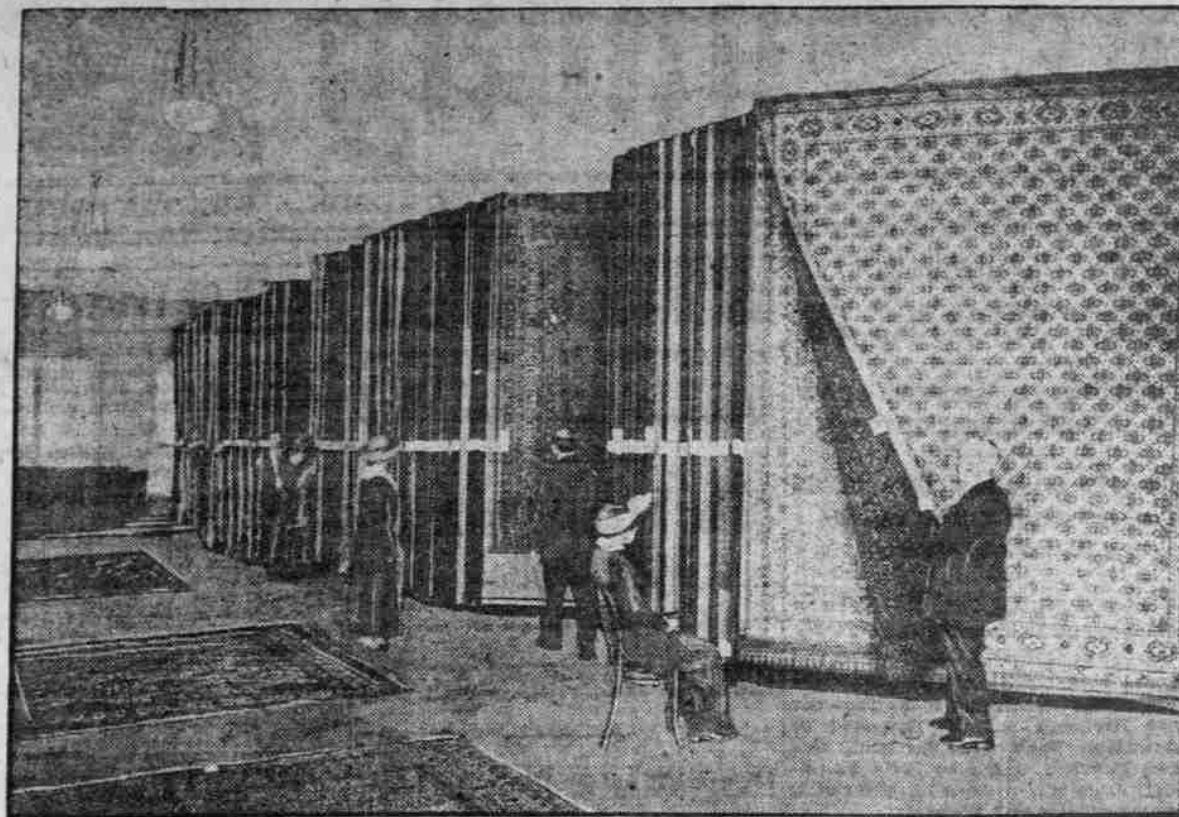
323 Washington St. (Near 6th)
Choice Roasts, Steaks, Chops,
Chicken, Fish, Eggs, etc.
15¢, 20¢, 25¢
RICH HOTCAKES
CRISP WAFFLES
and all short orders, any time
of day or night.

BAND AND
ORCHESTRA
INSTRUMENT
REPAIRING

We have equipped a first-class shop and are doing work equal to any Eastern firm. Gold and silver plating. Phonograph experts.

SEIBERLING-LUCAS
MUSIC CO.

125 FOURTH STREET,
Portland's Big Music Store.



Fine Wiltons, Axminsters and Velvets, too, at Clearance Prices

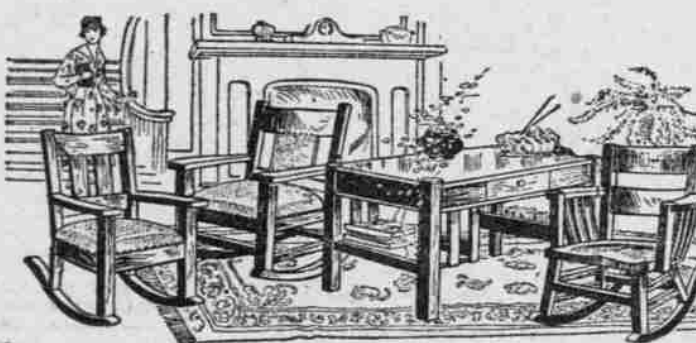
—\$89.50 Khedive Wilton, 9x12.....	\$59.50	—\$72.50 Whittall Wilton, 8-3x10-6.....	\$59.00
—\$72.50 Shuttleworth Wilton, 9x12.....	\$51.50	—\$75.00 Khedive Wilton, 8-3x10-6.....	\$59.00
—\$75.00 Hartford Kerman, 9x12.....	\$49.50	—\$51.50 Seamless Wilton Velvet, 8-3x10-6.....	\$47.00
—\$65.00 Larchmont Wilton, 9x12.....	\$48.75	—\$59.00 Body Brussels, 8-3x10-6.....	\$39.00
—\$57.00 Wilton Velvet, 9x12.....	\$49.00	—\$42.50 Seamless Wilton Velvet, 8-3x10-6.....	\$35.00
—\$65.00 Body Brussels, 9x12.....	\$49.00	—\$41.50 Axminster, 8-3x10-6.....	\$34.85
—\$41.50 Axminster, 9x12.....	\$34.75	—\$31.50 Seamless Brussels, 8-3x10-6.....	\$22.90
—\$45.00 Seamless Wool Velvet, 9x12.....	\$39.00	—\$39.75 Whittall Wilton, 6x9.....	\$29.50

—On the Job 24 Hours Each Day
—100% Service Day and Night

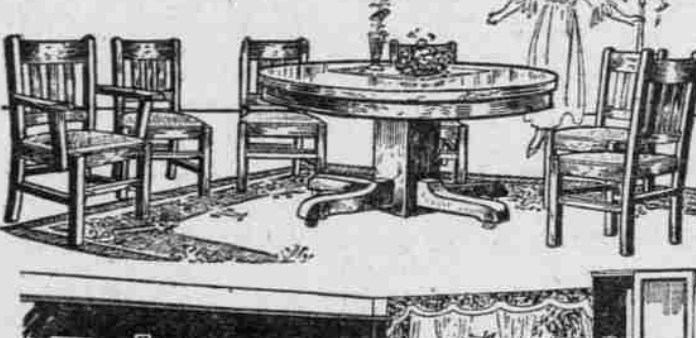
Indeed, a Genuine January Value Is
This Big

Unifold Davenport Bed at
\$63.75

—That's the total, too. This store charges no interest. Yes, it's almost identical to the illustration. Frame is solid oak in a beautiful wax finish; spring seat and back are upholstered with a rich brown leatherette. You might be surprised, but it's a fact, nevertheless—this Davenport holds a full thickness mattress and it folds under the seat when not used as a bed. —Spring? Sure, a fine link 2 at like those used on brass and steel beds, is built right in.



If the Entire Outfit Is
Not Needed, Select Any
Single Piece or Pieces.



—You Can Have This Bedroom Suite in White or Ivory Enamel
Finish—Price Is Just the Same.



This Store Charges
NO INTEREST.

Your Credit Is Good as Gold

SELECT ONE SINGLE PIECE OR A HOUSEFUL
IT'S EASY TO PAY—THE EDWARDS WAY
A GOOD PLACE TO TRADE

EDWARDS CO.

FIFTH—OAK STREET

JUST TWO BLOCKS NORTH OF WASHINGTON,
THE ENTIRE QUARTER BLOCK—FOUR FLOORS

—Highest class and biggest auction ever held in this line.

Entire \$250,000 stock of
Shoninger Bros. Nets,
Laces, Chiffons, Novel-
ties, etc., will be sold
Jan. 21, 1919, at 881
Broadway, New York.

A. Schaap & Sons, Auctioneers

Then ask them where.

Jacobs Shirt Co.

Established 1888.

Raleigh Bldg.

327 Washington St., Cor. 6th

If you can't come, wire your
New York representative to
attend exhibition January 20.

Yes, and There's a Particular Rug
on This Big Rack for
YOU!

—There certainly is an assortment to select from; over 400 hanging besides those on the floor. However, the most interesting to you is The Right Rug at the Right Price. Go where this photograph was taken—see the rugs—feel 'em—examine 'em—your decision will be aided by.

—The Rug That Shows so Plainly
Is One of a Dozen.

9x12
Seamless Brussels

That Are Now Priced at

\$26.50

—Then, too, you'll see a few
seamed rugs at the same price. In
all there are some 15 or 18 pat-
terns to select from. Sure, there's
Oriental and floral, as well as
conventional and all-over pat-
terns.



—Chicness Beyond Your Expectations Is Embodied in This Clever
Outfit—See It Yourself in the Fifth-Street Window—Better Still,
Go Inside Any Day This Week and Examine It Closely—There Are

16 Beautiful Pieces

Very similar to the illustrations on your left. Priced for this \$195.30
January Clearance Sale at.....

\$20.00 Cash—\$4.00 Week—No Interest

—Living and Dining-Room Pieces are finished to match in Hand-Rubbed
Wax and the Bedroom pieces can be had in either white or ivory enamel
finish. The single suites are priced as follows:

—Library Table with book racks, two Rockers with genuine leather
or seats and one Rocker with saddle seat, all for..... \$62.55

—Six-foot Dining Table with 45-inch plank top, five straight
Chairs and Carver to match with genuine leather slip seats..... \$64.80

—Full-Size Bed, Chiffonier, Dressing Table, Chair and Rocker in
white or ivory enamel finish, for..... \$67.95

Large Size
PANAMA
Fireplace Heater

\$26.75

\$4 CASH—\$1 WEEK—
NO INTEREST.

—This heater is built entirely of
heavy cast upon a heavy cast base,
with a profusion of massive nickel
trimmings; has a two-lip top and
very large feed door for knots and
blocks. Swing open the front door
and you get that cheerful fireplace
effect without smoking up the
room unless you turn off the
damper.

—Your old heater will be taken as
part pay.



Home Extras at Clearance Prices

—Beautiful Baronial Brown "Art-Weave" Rockers, \$16.85
with cretonne cushion and back, now.....

—Tapestry and Leatherette Overstuffed Rockers \$18.95
priced now at only.....

—Fifty-Two-Piece Set of Gold-Banded White \$13.95
Dinner Set.....

—K-A-D-Y Kitchen Cabinets, white enameled upper, \$34.75
interior and aluminum top, ex. work table, for.....

—Several odd pairs of Scrim, Net and Lace Curtains 25¢
at a discount of.....

—Beautiful Cretonnes, suitable for living, dining and
bedrooms, the yard now..... 69¢

—Beautiful Baronial Brown "Art-Weave" Rockers, \$16.85
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