

RADIO COMPASS IS LIFE SAVER

Ships no Matter What Storm or Fog Can Get Bearings and Avoid Rocks

MANY VESSELS SAVED
How Simple Apparatus Works—A Little Geometry is Added for Luck

BOSTON, May 16.—Radio compass stations, maintained by the United States navy at more than 100 places along the Atlantic, Pacific and Great Lakes coasts as aids to mariners in foggy weather, have robbed the sea of many of its victims, say New England seafaring men.

Last year, with but 29 stations in operation, the naval men informed the captains of 15,374 fog-shrouded vessels of their location and thus enabled them to lay their courses to their ports of destination. An average time of four to six minutes was required to make the calculations upon which this information was based.

How a wireless station on shore can tell the master of a vessel lost in the fog just where his vessel is seems something like a miracle to a landsman, but it is simple enough to the operators of the system. It works this way: The radio operator in a compass station on shore picks out of the air the letters "Q T E" flashed from a vessel lying perhaps 100 miles or more off shore. In the International Code these letters mean, "what is my true bearing?" and these queries are coming to the shore station with such increasing frequency as to testify to the dependence which ship masters are placing on this modern aid to navigation.

Just a Coil of Wire.
Once the signal is heard the radio operator adjusts his radio compass to meet the direction whence it comes. This compass is merely a rectangular coil of wire mounted on a vertical plane and fixed to turn so as to face in any direction. It acts like a mechanical ear and from it the operator can tell clearly the direction whence the lost vessel's call came. That means that he can tell in what direction the vessel lies from him.

Other stations along the shore also act in the same way and these report to a central station and compare notes.

The distance of the ship from the shore can be told approximately by the wireless operators by the strength of her signals.
If the ship lies East from one station and South from another, the point where these lines cross is the ship's location. Once this is done the wireless operators on shore have only to tell the ship's master his position in terms of latitude and longitude.

Aid Ships in Fog.
As an illustration of the method by which the directional plan operates to assist vessels, officers in the Naval Communication Service here advanced the case of a steamer south of Cape Sable in the North Atlantic, heading for Boston, which had not had the aid of sights for several days because of storm or fog. Dead reckoning would give the skipper an approximate position for temporary purposes, but through his wireless operator, he could send out a call for his bearings from shore.

Within a few minutes, the station at Outer Cliffs, Me., would report a true bearing of 128 degrees; Portland, Me., 102 degrees; Applidore, N. H., 92 degrees, from which the skipper can calculate readily that he was 40 miles north and east of the position that he had erroneously approximated by dead reckoning.

Moving south for several hours, still in a fog, the ship could get another set of bearings for confirmation of its position from a southerly group of stations that more immediately protect the approaches to this port. The angles of their bearings in relation to the vessel would be more acute, and with the possibility of error from the finely drawn lines, an additional long range bearing would be advisable, this being supplied from a northerly station to act as a check.

Hydro in Hamilton and London is swamped with applications for cooking stoves.

On seventeen charges of violating the O.T.A. Wm. Morton, Windsor, was fined \$3,888.

John Todd, of Novar, aged 78, burned to death in bush fire, which got beyond his control.

Government's condition for taking over of Grand Trunk has been accepted by shareholders.

It is feared Harry Mason and Edward Jackson, aged 18 and 19, of Oshawa, were drowned.

ON THE BELLEVILLE-TRENTON ROUTE



Type of Trolleyless Electric Car to be tested by the Canadian National Railways for a short period between Trenton and Belleville. A party of newspaper men will be on the trial run from Toronto on Monday next.

storage battery built into the car itself. It can therefore be operated over main or branch lines on steam tracks without the necessity of contacting overhead trolley wires or any other sort of power from outside. One charge of the battery suffices for 140 miles of running of the car which can attain a speed of 40 miles per hour on the level. It is said to have plenty of capacity to handle and grades found on a steam railway.

car of this type in Canada, storage battery cars have been utilized on the Pennsylvania Railway, Cambria and Indiana Railroad, Lorain, Ashland & South-Corn, Chattanooga Valley, Birmingham & Atlantic, the Havana Central Railroad, and on the United Railways of Yucatan Mexico. On the last named lines from three to six cars are operated as a multiple unit train, the control of all three cars being by one master control at either end of the train.

TAKE BANDIT, GET \$5,000

U. S. Postal Employees Furnish ed With Revolvers to Shoot to Kill

EARLY DAYS RECALLED
Mail Robberies in States Must be Stopped Says New Postal Order

WASHINGTON, May 16.—"Shoot to kill!" These are the orders which, with 20,000 automatic pistols and thousands of riot shot-guns have gone out to postal employees throughout the United States by order of Postmaster General Hays.

"We simply have to go back to the old Wells-Fargo days and put an end to mail robberies by the drastic methods then in vogue," the Postmaster-General asserted.

But while postal employees by the new order are instructed to take no chances in protecting their lives and the United States mail, capturing bandits will be more profitable. An additional order of the Postmaster-General provides a reward of \$5,000 to any post office employe, civil officer or citizen who delivers a mail robber into custody.

Pointed Out Man to Detective

Something happened on Cedar Street on Saturday afternoon. Ed Kimmerley, who came here from Deseronto some time ago, came to the police and showed a discolored eye, which he said a Standard Paving Co. workman gave him while he was watching the laying of the pavement. Dead reckoning would give the skipper an approximate position for temporary purposes, but through his wireless operator, he could send out a call for his bearings from shore.

Connecticut House has adopted a bill imposing a \$25 fine on officials who countenance daylight saving, and the same penalty on all persons doing business who display clocks running on daylight saving time.

MYSTERY OF KITCHENER'S DEATH CLEARED UP BY GERMAN REPORT

Berlin Admiralty Tells of Mine Field Laid in Path of "Hampshire"—Admiral Jellicoe is Blamed—Ignored Fate of Trawler in Same Spot.

Berlin, May 14.—The mystery of Lord Kitchener's death finally has been authoritatively solved and the cause of the sinking of the battleship Hampshire definitely established by information from Admiralty sources showing that the Hampshire was destroyed by one of a group of thirty-four mines laid by the submarine U-75 on May 29th, 1916.

This information not only settles the long standing controversy as to whether the Hampshire was torpedoed or mined, but also in the opinion of German experts convicts the British Admiralty and Admiral Jellicoe, according to British statements ordered the Hampshire to follow a course west of the Orkneys on the

Whiskey Frozen In Large Cakes of Ice To Evade Customs

NEW YORK, May 16.—In the contest to discover the most ingenious means of deflecting attention of prohibition enforcement agents, customs officers here believe this contrivance deserves at least honorable mention:

In their search of the steamship Glendora, the inspectors obeyed a "hunch" and rummaged through the ship's cold storage plant. Frosting on the large cakes of ice, rendering them quite opaque, whetted their suspicions, and they scrapped off the coating. An improvised "X-ray" made by attaching reflectors to electric light bulbs, revealed bottle-shaped black spots within the translucent blocks. More than 200 bottles of whiskey had been thus frozen into these glacial hiding places, they said.

Make a Big Pile Do These Appeals

The assessment appeals, the last of which came in on Saturday, made one grand pile in the city clerk's office. The court of revision will have a series of sessions ahead of it in a few weeks. The aggregate is at least as great as that of a year ago.

STEAMER IS BEACHED.

QUEBEC, May 16.—The American steamer Colonel Rochester, one of four American vessels, which wintered here, sprang a leak yesterday afternoon, while she was being towed out of the Louise Basin. She made water so rapidly that she had to be beached to save her from sinking.

TORONTO ON NEW TIME

Toronto, May 14.—This city adopted daylight saving time Sunday morning, May 15th in accordance with a vote of the majority of the citizens on January 1 last, and continue daylight saving until September 15.

The German Reichstag will accept the allied ultimatum.

BOUND, GAGGED, LEFT TO FLAMES

Sinn Fein Shows Red Hand of Blood in Liverpool Incendiary Fires

DESPERADOES DISGUISED
Occupants Relatives of Members of Royal Irish Constabulary

LIVERPOOL, May 16.—Six houses in widely separated parts of this city were raided and set on fire by Sinn Feiners last night, the occupants of every house, thus visited, have relatives serving in the Royal Irish Constabulary. The inmates were in some cases gagged and bound, the furniture drenched with oil and set on fire and in some instances helpless people were left to the mercy of flames by raiders who fled in automobiles. Raids were in all ways similar to those made in the suburban districts of London and in this city on Saturday night. Police declared yesterday that the raids on Saturday night were apparently well organized and that in most cases the men engaged in them were disguised.

Flushed with their first victories, which according to impartial military observers, were secured only because the Turks offered no resistance, the Greeks saw Angora within easy reach. There was even talk of a march to Constantinople. Popular sentiment urged King Constantine to go to Smyrna at the head of his army and Prince Andrew at the head of the navy. There was a confident feeling that the Hellenic forces would annihilate Kemal within a fortnight. No thought apparently was given to the question of finances. The necessary funds, the government assured the people, would be forthcoming from England or America.

199 Loops in Air By 23 Year Old Girl

MINEOLA, N.Y., May 16.—Miss Laura Bromwell, 23-year-old aviatrix broke the world's loop-the-loop record when her plane, starting at a height of 8,000 feet performed 199 complete loops before landing. The flight took place at Curtis Field.
Her entire flight consumed one hour and twenty minutes.

How Lever Became Electric Hoist

At Rotary today at Hotel Quinte, Col. L. W. Marsh addressed the members on the development of the electric hoisting engine from the crude lever. Next Monday the retail and manufacturing business will be discussed together with the problem of whether prices are too high or not. Mr. C. M. Reid will lead the retail discussion and Mr. George Appell will speak for the manufacturers.

A Three Hundred Touch For B. O. T. A.

Edward Howard, of Frankford, appearing before Magistrate Masson this morning was fined three hundred dollars and costs for keeping liquor for sale. Inspector Nephin was the prosecutor.

Electrical Storm Paralyzes Cable

LONDON, May 16.—Telegraph and telephone lines in the British Isles and throughout all northern Europe have been seriously interrupted by a great magnetic storm which virtually paralyzed wire transmission in Canada and the United States on Sunday. Cables between England and the United States were affected early this morning and transmission was badly delayed.

4000 CASUALTIES TO GREEK ARMY

Heavy Losses in Recent Campaign Against the Wily Turk Sober Athens

WILD DREAMS DISPELLED
Many Former Supporters Turn on Premier as the Man Responsible

PARIS, May 16.—Reports received here from Athens show that the disaster suffered by the Greek army in Turkey caused pessimism and alarm among all classes of Greeks.

When the news was received that the Greek casualties had mounted among the thousands (4,000) according to late reports, there was an outburst of fierce criticism by the adherents of M. Venizelos, former premier, against Demetrios Gounaris, then Minister of War and advisor to the King, and since made Premier, for plunging the country into war at a time when its treasury was empty, the dynastic question unsettled, the morale of the people low, the cost of life enormous, the country without a friend among Allied powers and the kingdom threatened with serious territorial losses.

They insist he had no right to embark on an offensive against the Turks without the support of the Allies and without sufficient reserves to check-mate the heavy losses which were bound to follow any attempt to dislodge an enemy who had been entrenching himself for months in the recesses of the Anatolian mountains.

The Athens reports show that the order for mobilization was not received with enthusiasm. Indeed, it was a shock to the Greek people, who long ago reached the point of saturation on war and felt that the recent London Conference had precluded further military activity.

The men are going to the front in obedience to superior authority rather than to spontaneous patriotic ardor. The working classes, already weighed down with the fearful cost of life, are asking themselves how their families are going to fare while the breadwinners are at the front. Certainly the government has no funds to take care of them.

Flushed with their first victories, which according to impartial military observers, were secured only because the Turks offered no resistance, the Greeks saw Angora within easy reach. There was even talk of a march to Constantinople. Popular sentiment urged King Constantine to go to Smyrna at the head of his army and Prince Andrew at the head of the navy. There was a confident feeling that the Hellenic forces would annihilate Kemal within a fortnight. No thought apparently was given to the question of finances. The necessary funds, the government assured the people, would be forthcoming from England or America.

But the Greek Casualties have had a sobering effect on the people. They have been made conscious of the fact that the Kemalist army is something more than groups of scattered regulars and irregulars recruited from villages within the zone of operations. They now manifest feelings of deep anxiety. If their army fails, they will put the blame at the door of M. Gounaris.

2 Children Hurt In Queer Accident

On Sunday afternoon at Trenton during the progress of the fire, a motorist drove his car over the sidewalk around a pole and struck several children and inflicting minor injuries.

MARMORA O.T.A. CASE.

Crown Attorney Carnew, Inspector Collison and Provincial Officer A. H. Ward are in Marmora this afternoon in connection with an O.T.A. prosecution in which a man named Allen, of Millbridge, is accused of breach of the act by having liquor in a place other than his private residence.

GRACE FITZGERALD

The funeral of the late Grace Fitzgerald who died in Syracuse, New York, took place on Sunday afternoon from the residence of Mr. Fitzgerald, 256 Bleecker avenue to St. Michael's Church, where Father Killien officiated at service. The burial was in St. James cemetery. Father Whelan conducting committal rites.

Robert Klee Harrow was blown 20 feet and had his leg broken when he tried to solder a hole in a tank from which he thought all the gasoline had been taken.

Col. C. W. Peck, V.C. M.P. for Skeena, to command Canadian Bisle team.

Children Cry for Fletcher's CASTORIA

Fletcher's Castoria is strictly a remedy for infants and children. Foods are specially prepared for babies. A baby's medicine is even more essential for Baby. Remedies primarily prepared for grown-ups are not interchangeable. It was the need of a remedy for the common ailments of infants and children that brought Castoria before the public after years of research, and no claim has been made for it that its use for over 30 years has not proven.

What is CASTORIA

Castoria is a harmless substitute for Castor Oil, Paregoric, Drops and Soothing Syrup. It contains neither Opium, Morphine nor other narcotic substance. For more than thirty years it has been in constant use for the relief of Constipation, Flatulency, Wind Colic and Diarrhoea; allaying Feverishness arising therefrom, and by regulating the Stomach and Bowels, aids the assimilation of Food; giving healthy and natural sleep.

The Children's Comfort—The Mother's Friend In Use for Over 30 Years

Bears the Signature of
Chas. H. Fletcher
THE CENTAUR COMPANY, NEW YORK CITY

TWEED
Mrs. J. E. Stewart, Actinolite, spent Wednesday at her brother's, Mr. F. A. Bartlett.
Mr. and Mrs. E. Brown, of Madoc, were calling on old friends this week.
Miss Elsie Tummon, of Crookston, spent the week end with Mrs. Aiken-brack.
Mr. Jas. Lowry, who is employed with Deseronto Milling Company, met with an accident on Tuesday and is out of work for a few days.
Miss Jennie Bainbridge, of Ivanhoe, was married at Smith's Falls on May 5th, to Mr. Wm. Beaks, of Eldorado.
Mr. F. E. Brown, of Madoc, has just received notice from the Department of Lands and Forests, that he has been appointed Inspector of Colonization Roads for the District of North and East Hastings. His duties will begin immediately.
Miss Annie Wilson, Toronto, spent Tuesday with old friends in town. Miss Wilson's father was pastor of the Methodist Church here some twenty-three years ago.
Mr. Ernest Akey, of Bogart, died in the Hotel Dieu, Kingston, on Wednesday, where he had been undergoing treatment. He had been in poor health for some time.

CAMPBELLFORD
Mr. and Mrs. A. J. Meyers were in Peterboro on Tuesday.
Mr. B. M. Frederick of Peterboro, was in town on Saturday of last week.
Mr. T. A. Brown, of Toronto, is in town this week.
Mrs. Shields and son, of Cobocook, are guests of Mr. and Mrs. A. J. Meyers.
Mr. and Mrs. G. F. Phillips spent the week-end with the latter's brother, Mr. George Dickey, Belleville.
Mr. and Mrs. Harry Hoskin, of Cleveland, Ohio, are spending a week with the former's parents, Mr. and Mrs. Charles Hoskin.
Mrs. L. J. J. Commiskey, Miss M. Black and Mr. Dan Black, Jr., of Brooklyn, N. Y., are visiting their parents, Mr. and Mrs. Black.
Mr. and Mrs. T. Bell and Miss Dorothy, visited Mr. and Mrs. C. L. Owen this week.
Mr. Harry Abar has passed his final examination at the Royal College of Dental Surgeons, Toronto.
Mrs. C. E. Argue and children of Deseronto, spent the week-end with her parents, Mr. and Mrs. E. C. West.
Mr. and Mrs. J. C. Birmingham, Mr. and Mrs. Thos. Bell and Miss Dorothy, Mrs. C. L. Owen, Mrs. Fred Smith and Mrs. D. A. Owen attended the funeral of Dr. Wightman in Peterboro.
The suit of a penniless prisoner in Richmond, Va., police court was accepted by his attorney as a fee. The lawyer procured a pair of overalls and gave them to his client to complete without it.

Spring 1921

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Splendid quality gingham street dress, nicely trimmed and up to the minute, worth \$12.00 To Clear at \$4.50

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Just in—Choice display of handsome Georgette Blouses in Flesh, White and Sand at \$4.95

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All shades and sizes at \$1.50
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See our large display of Galt hammocks at Money Saving Bargains.

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Underwear, Sox, shirts, work gloves, in fact everything in these lines at Cut Prices.

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