

Fighting the Ice Peril of the Atlantic.

The interplay of two great ocean currents off the Newfoundland Banks is the key to the iceberg situation, according to Charles Fitzhugh Topham, who says that the cold Labrador current pushing southward and the warm Gulf Stream sweeping to the east, wage incessant warfare along a battlefield that is constantly changing its position.

As one or the other of these warring currents sacrifices ground or drives a deep "salient" into the other territory the icebergs are carried back and forth along erratic courses. In recent years the drifts of many individual bergs have been charted day by day in some cases for many weeks together.

In the Labrador current an iceberg tends to survive; in the Gulf Stream it speedily disintegrates. Hence the line of demarcation between these two currents is the boundary between relatively safe and relatively unsafe waters, and the location of this ever-shifting danger line is a vital problem of the ice patrol. Although there is some mixing of water along the dividing line, its position is generally easy to determine on account of the different characteristics of the opposing currents. Their most obvious and striking differences are in color and temperature. The water of the Labrador current is green; that of the Gulf Stream dark blue. The contrast in temperature, which extends vertically downward for hundreds of feet, is expressed in the name "cold wall," applied to the interface of the currents.

Two Temperatures in One Ship.

A case is recorded in which one of the patrol ships, placed across this "wall," measured a water temperature of 34 degrees Fahrenheit at the bow and 56 degrees at the stern; a range of 22 degrees! The same day the crew went swimming in tropical water at 70 degrees Fahrenheit, while half a mile to the northward was a huge Greenland iceberg.

A popular impression prevails that the coast guard cutters blow up icebergs as they do derelicts. The fact is that no amount of blasting would have an appreciable effect on one of these floating monsters, consisting of millions of tons of hard, flinty ice. Since icebergs cannot be destroyed, they must be avoided. By day and in clear weather the mariner can easily give them a wide berth. By night and in the dense fogs that so frequently shroud the iceberg region the task is not so easy.

A sudden encounter with cold water means that the vessel has entered a cold current, but not necessarily that ice is at hand. According to Prof. H. T. Barnes, of McGill University, Montreal, who has been making a study of ice and icebergs for many years, the approach of an iceberg is indicated by a characteristic rise in the temperature of the water, which can be detected many miles from the iceberg by means of a delicate recording thermometer of special type.

Another novel device for locating bergs, and one in which the authorities of the United States hydrographic office and the coast guard see the greatest promise at present, is an outgrowth of war-time experiments in "sound ranging" under water. A sound sent out by the instrument is reflected back to its source and an indication is obtained of both the position and the distance of the reflecting surface.

The Depth Finder.

Under the name of the "sonic depth finder," this device has been successfully used by the navy for sounding ocean depths. Its use for locating icebergs is being tested during this year's ice patrol.

It is proposed to establish an observation post on the shores of Davis Strait, for the purpose of making an actual count of the number of icebergs that start each year on their march to southern waters. The most favorable location for such a post would be Cape Dyer, Baffin land, where the Arctic drift sweeps in close to the shore. It takes an iceberg about five months to travel from this point to the vicinity of the Grand Banks.

Regardless of future developments, it may be stated that the ice patrol has already almost abolished what was once the greatest peril of a trans-Atlantic voyage. No disastrous collision with ice has occurred within the area covered by the patrol since this service was established.

To Restore Suede.

When suede gloves or bags have become greasy the leather may be restored by being rubbed with fine emery paper.

This method may also be adopted in the case of suede shoes, but it is worth while giving a more complete cleaning. First of all, stuff the shoes with tissue paper and then rub them thoroughly with a rag which has been soaked in spirits of turpentine. Continue the rubbing until all marks disappear, and then hang the shoes in a draughty place until they are dry and all smell of the turpentine has vanished.

"It'll pay you to shop on the other side of the street."

HURRY-UP!! OUR BARGAIN SALE

Has Commenced!!!

With a Wholesale Slaughter of Prices that is nothing short of marvellous, every garment in our Store is reduced for this week's Sale. A glance at our list will give you a faint idea of the values offered, but to realize what this stupendous price-cutting really means, you must see the enormous collection of beautiful Dresses we are selling. Porch and Summer house frock are a great feature, and there are some specially appealing values in smart warm dresses for cool, dull days.

Dresses

Values up to \$12.50 are among these Dresses of Serge, Cloth, Jersey, Satin, Taffeta, and Crepe de Chine. Colors: Brown, Mauve, Saxe, Navy and Black. All sizes.

Sale Price To Clear **\$5.90**

Dresses

ONE RACK ONLY. All sizes and many shades in Crepe de Chine, Silk Jersey, Tricotine, Taffeta, Velvet and Plain Crepe with Paisley Waists. Values up to \$18.00.

Sale Price To Clear **\$7.90**

Dresses

ONE RACK ONLY. Fine quality Silks, Satins, Charmeuse and Crepe de Chines, chiefly Nigger, Navy and Black. Values up to \$20.00 easy.

Sale Price To Clear **\$11.80**

Dresses

FOR COLD DAYS. Smartly cut Dresses with good lines, in Poret Twills and Tricotines. Black and Navy only, beautifully trimmed with smart touches of colored Silk embroidery, cloth strappings, etc. Values up to \$22.50.

Sale Price To Clear **\$12.50**

20 Only

DRESSES TO CLEAR. In Tricotine, Serge and Poret Twill. Colors: Nigger, Navy and Black. A Job Lot of high-priced "odd" lines. Values up to \$25.00. Odd sizes.

Sale Price To Clear **\$10.75**

Ginghams

FOR HOUSE & COUNTRY WEAR. The dearest, daintiest, coolest little Summer Frocks. All the most charming colors in Checks, Plaids and Stripes. Organdie trimmed. All sizes. Bargains at \$4.50.

Sale Price To Clear **\$2.50**

Gowns

FOR DAY & EVENING WEAR.

Carefully selected Gowns, modelled on beautiful lines, in all the most fashionable materials of the season. A great selection of appealingly charming tones to choose from. All sizes.

Costumes

ONE RACK ONLY. In Green, Wine, Navy and Black Serges and Broadcloths. All sizes. A sacrifice at \$17.50.

Sale Price To Clear **\$9.90**

Costumes

ONE RACK ONLY. High class Tricotines, Serges, Jersey Cloths and Plain and herring-bone Tweeds in Bisque, Fawn, Brown, Grey and other shades. All sizes.

From **\$12.50** Up to **\$34.00**

ENGLISH - AMERICAN CLOTHING CO'Y

312-314 WATER STREET.

"REMEMBER:--Our Store is on the other side of the street"

ST. JOHN'S.

Children's Silk Dresses

Our Silk Dresses for Children are clearing rapidly. Soft Blue Rose, Flesh and Ivory, daintily hemstitched and guaranteed to launder well. These Dresses are a real give-away at these prices.

SALE PRICE TO CLEAR **\$2.38**

Ladies' Silk Scarves

To give the finishing touch to Costume or Summer Frock you need one of these lovely Scarves which come in all the newest stripes and in soft shot effects. There's only a limited quantity and their value is wonderful.

Three **\$1.50**
Prices **\$2.40**
Only **\$3.60**

Spring Coats

The Fashions of to-morrow may be seen in our beautiful New Coats, just received by the Rosalind. These give the new ankle length that has been accepted as the smartest for the season. This fashion was "set" at the recent English Royal Wedding.

From **\$14.00** up to **\$28.50**

Ladies' Hats

There's such an assortment of styles and so many prices we cannot describe them. It's only left for us to say they're "here to-day and gone to-morrow."

Get YOUR Summer Hat To-day!

Georgette Waists

In all sizes. Dainty fashions in Bisque, Rose, Flesh, Ivory, Fawn, Pearl and Black.

Sale Price To Clear **\$2.95**

Is Humanity Ready?

SIR OLIVER LODGE, FORMERLY GREAT SECRETARY

Sir Oliver Lodge, formerly research laboratories at the University Department of the Science recently, said in discovering that electricity is the basis of everything, and that living in an electrical atmosphere.

Sir Oliver said that it was the intrinsic energy of the world should have a source which dwarf chemical combustion in significance and would give more than the power we have had been suggested. It was how to get at energy in the maturely, we might do a great of damage. Let us hope that time atomic energy was the human race would be civilized enough to use it for good purposes.

The energy was there; we know how to take it, but either hopelessly or dangerously according to how we regard the matter. "It is an extraordinary effect," I believe, man life generally, and on the of town life." Sir Oliver said there need be no more such ugliness. All the energy need can be got from a lot of matter instead of by the tion of thousands of tons.

Oddities in the News

Sermon From Empty Pulpit. A new departure in broadcast novations took place at the (U.S.A.), a large congregation at a Methodist Episcopal to a sermon from an empty pulpit. The sermon was delivered by hymns announced by a priest miles away.

£470 For Penny Book

A copy of a very rare Bacon's essay, published in 1612, was sold in London for £470 found lying on the floor of a Belfry Hall, near Crews, and purchased at one time for a penny.

A Wireless Curiosity

An Edinburgh deaf man has had a remarkable experience at a listening station. After the head phones he could distinguish any sound, but when some remarks to that effect with him he was able to broadcast concert quite immediately he stopped listening sound by wireless ceased. He summed that the vibration of voice had some effect on his hearing.

Cigarette Card Culture

Oxford undergraduates have had a "Fag Card Club" for the of the information on the cigarette cards.

Bending Light

A man summoned at Ealing having the number-plate of his car illuminated pleaded that the stein theory (of the bending through the action of the gravity) should be his explanation. He said, with a number-plate, he said, was ton, and so was the lamp. The outside force caused the rays to be bent so that they showed ground instead of on the plate.

Nest in Tunic Pocket

A wren has built her nest in the pocket of an old army tunic in a mill where he works at Bucks.

Village to Disappear

Under the new scheme of Warrington, in Lancashire, the adequate supply of water, the of Tregairiog, in Wales, thirty houses, two chapels, and office, will disappear at the a great reservoir.

"Sulphur" Rain

From time to time strange are told of wonderful things have fallen in rainstorms. everybody claims to have seen or little fishes, or some other remarkable thing, descend with rain.

At Bordeaux for many April and May, "sulphur rain" have been noticed. After these ere the earth became spotted what appears to be patches phur brought down by the rain. Scientists have interested selves in the phenomenon, result of their report dismises "sulphur" theory, but leaves almost as strange as the fiction has been exploded.

The supposed sulphur is a low pollen of a species of plant grows in forests in large quantities to the south and south-west of deau.

The rains which were said bring the "sulphur showers" when the pines are in flower, pollen from these blooms is carried by the atmosphere to so great height as to impregnate the clouds.

Westinghouse Electric Co. 15, 20, 25 and 40 watti, to be at BOWRING BROTHERS Electrical Department.



ed Upon E...
sh fashion...
for dear...
who is ab...
work—who...
d to produ...
a while—i...
should pat...
sailor that...
you will b...
proud at o...

J. ST...
'S' & GEN...
Water & B...

ne "S...
Bound...

he wonden...
nge Ball th...
st—will oul...
ary rubber...

Price 4...
"Sorbo" J...

ARRETT...
sells and...

the Rush...
will need a...

have, to...
with 10 a...
es, ready f...
ow on the...
We are...
chooner 62...
2 20h.p. en...

THE CO...
KORAGE...

No. 24...
cod. It

Rexa...
Milk of Ma...

valuable both...
for the...
ordered condition...
and as a mil...
valuable for...

PETER O...
THE DRUG...
THE EXAL...

es and Fur...

o Muskrat Sk...
Cross, Wh...

in, Mink, Be...
lynx Skins, C...

Brass, Comp...
Old Rope and...

Highest Mar...

North Am...

Hide and...

367. Office...
next Rel...

Store...

MINI...
HAP AND...