

Discoveries
in ScienceTOP OF THE AIR—SPRING
RADIO—AUTOMOBILES
HEALTH.

devotes a lot of attention to the days. Now that radio con- are drifting through the air for a day and modern Magellans are using the air to circumnavigate the globe in flying machines, the importance of the atmosphere never achieved to it in the days when it was employed almost exclusively for small purposes. And in view of the fact that it has achieved, it is a fact that science has discovered that apparently more air surrounds the earth than ever has been

few weeks ago the Abbe Moreaux, a French astronomer, announced that the atmosphere extended to 100 miles beyond the earth's surface. This is more than five times as far as science previously had estimated the atmosphere's height. Of course, the atmosphere in its lower regions scarcely resembles the air we breathe. Up to about 10 miles, according to the Abbe Moreaux, is composed of oxygen, nitrogen, carbon dioxide and a few rare gases with the proportion of oxygen diminishing, as the altitude increases. Mountain-climbers have

ascended the 10-mile point, to a height of 60 miles, nitrogen is the dominating constituent of the atmosphere. This region has no winds nor clouds. This statement supports the recent discovery of a layer beyond the atmosphere. Professor Vegard, of Norway, in this layer, extending to 100 miles, according to the French astronomer. At this point science believed the atmosphere ended. But, according to the Abbe Moreaux, still another dense layer of gas composition stretches more than 100 miles.

The apparent existence of this unusual atmospheric stratum was demonstrated by ingenious observation of aurora borealis. Simultaneous examinations of more than 600 photographs taken at different points and subsequent scientific calculation indicated that the aurora extended its electrical manifestations 540 miles above earth. It was assumed that these flames could not display themselves in empty space, and it was concluded in consequence that there was some sort of atmosphere 540 miles or more away.

Science and "Spring Fever." This is the time of year when you feel able to do your best work. Early enough, though, this also is the time of the year when you are likely to have a mental break-

paradoxical statements were made by the American Meteorological Service recently. Dr. Frank P. Norbury, reporting the results of an investigation into the relation between climate and physical efficiency. In the spring and early summer, Doctor Norbury asserts man is stimulated by activity, and consequently works under the prod of his new energy. He is likely to work so hard, though, that he'll become exhausted. Then, if he has a natural tendency to mental disorders, coolness will come. Man is more closely related to nature, and particularly to the weather than he ever has been, declares Doctor Norbury.

New Gasoline Substitutes. There will be a long time, American automobile engineers assert, before automobiles in the United States will use generally any fuel besides gasoline. This is because gasoline is plentiful here and because the American engine has been developed for efficiency. In other countries, where gasoline is obtained neither so cheaply nor so conveniently, and this makes the activity of foreign engineers is experimenting with other fuels.

Sweden, for example, a native-born car run by alcohol is said to have given remarkable performances. Gasoline used in Sweden comes from America, and is expensive. In Sweden, virtually all cars there are alcohol. Therefore the alcohol-fueled vehicle naturally aroused interest among those who have been unable to afford a car. Government restrictions probably impede for a time the growth of the alcohol industry in Sweden, for Sweden has placed the manufacture and distribution of potables under strict control. Hence the solution of the problem is through the development of a method of producing alcohol by the chemical treatment of carbon monoxide and hydrogen. This revolutionary process is said to be capable of providing alcohol in quantities for little

Swiss French "automobiles" in- through the use of saw saw- generally are replacing saw- as a source of power in agricul- ture, such as tractors and

MARSHALL'S

SPECIAL MAY SALE!

Our Realization Sale has given way to a Special May Sale!

The many items listed below are made up, to a great extent, of new importations. Both the Quality and Prices are right and this great buying opportunity will, we feel sure, be taken advantage of by all, especially those who had the good judgment to seize the splendid offers of our Realization Sale. We invite comparison.

Chintz Cushion Covers	Reg. 85c. Sale Price 75c.
Side Board Scarfs	Reg. 95c. Sale Price 78c.
Tapestry	Reg. 2.20 Sale Price 1.98
Tapestry	Reg. 2.50 Sale Price 2.25
Silence Cloth	Reg. 1.60 Sale Price 1.49
Pillow Cases	Reg. 55c. Sale Price 49c.
Pillow Cases	Reg. 80c. Sale Price 69c.

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You can bring the brightness and beauty of Spring into your home at any time by using

WALL PAPERS.

We will be glad to show you our fine range of attractive patterns. Prices

English . . . 30c. to 80c. pce.
Can. 20c. to 1.20 pce.

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Towels	Sale Price 85c. lb.
Lawns	Sale Price 95c. lb.
Cut Tweeds	Sale Price 58c. lb.
Fleece Calico	Sale Price 69c. lb.
Coloured Indian Head	Sale Price 70c. lb.

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Your Choice . . . \$2.00

Specials!

White Lace Curtains	Reg. 3.80 Sale Price 2.00 pr.
Lace Edge Cur. Scrim	Reg. 30c. Sale Price 15c. yd.
Terry Cloth	Special at 90c. yd.

Smallwares

Brilliant	8c. ball
Hair Pins, Bone	8c. box.
Hair Pins, Wire	15c. cabinet
Balloons	8c. each
Nail Brushes	10c. each
Brooches	14c. each
Cuff Links	25c. pair
Powder Boxes	19c. each
Lingerie Braid	12c. piece
Ric Rac Braid	2 pieces for 25c.
Ear Rings	15c. pair
Ear Rings	30c. pair
Necklets	Reg. 20c. Sale Price 18c.
Necklets	Reg. 33c. Sale Price 30c.
Necklets	Reg. 40c. Sale Price 36c.
Necklets	Reg. 65c. Sale Price 60c.
Necklets	Reg. 87c. Sale Price 81c.
Necklets	Reg. 1.65 Sale Price 1.49

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LADIES' COLOURED SILK—	Regular 75c. Sale Price 68c.
LADIES' COLOURED SILK—	Regular 1.50 Sale Price 1.29
LADIES' BLACK SILK—	Regular 75c. Sale Price 68c.
LADIES' BLACK SILK—	Regular 1.50 Sale Price 1.29
LADIES' BLACK & COLOURED COTTON—	Regular 25c. Sale Price 19c.
CHILD'S CHAMPAGNE & GREY—	Regular 41c. Sale Price 35c.
MISSIE'S CHAMPAGNE & GREY—	Regular 41c. Sale Price 35c.
MEN'S HOLEPROOF—	Regular 80c. Sale Price 72c.
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MEN'S COTTON—	Regular 20c. Sale Price 16c.
MEN'S BLACK SILK—	Regular 95c. Sale Price 85c.
MEN'S BLACK CASHMERE—	Regular 1.10 Sale Price 95c.
MEN'S COLOURED CASHMERE—	Regular 1.10 Sale Price 95c.

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Child's Strap Shoes	1.50
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Dorothy Dodd Shoes—	5.49
Dorothy Dodd Boots—	5.49

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Regular 11.00	Sale Price 9.78
Regular 14.00	Sale Price 11.49
Regular 15.00	Sale Price 11.89
Regular 17.00	Sale Price 13.37
Regular 17.50	Sale Price 13.57
Regular 19.00	Sale Price 13.89
Regular 20.00	Sale Price 14.00
Regular 24.00	Sale Price 17.00
Regular 25.00	Sale Price 17.89
Regular 28.50	Sale Price 20.00

Blue Serge

Regular 30.00	Sale Price 18.00
Regular 35.00	Sale Price 19.00
Regular 40.00	Sale Price 21.00

Boys' Tweed Suits

Regular 7.50	Sale Price 4.98
Regular 8.50	Sale Price 5.50
Regular 9.00	Sale Price 5.97
Regular 10.50	Sale Price 6.54
Regular 11.50	Sale Price 7.25
Regular 12.50	Sale Price 8.00
Regular 13.50	Sale Price 8.78
Regular 14.00	Sale Price 9.67
Regular 15.00	Sale Price 10.00

Marshall Bros

House Furnishings

White Curtain Scrim	Reg. 18c. Sale 15c.
White Curtain Scrim	Reg. 27c. Sale 24c.
White Curtain Net	Reg. 45c. Sale 39c.
White Curtain Net	Reg. 66c. Sale 59c.
Casement Cloth	Reg. 58c. Sale 50c.
Casement Cloth	Reg. 1.40 Sale 67c.
Plain Spring Blinds	Reg. 85c. Sale 78c.
Fringed Spring Blinds	Reg. 95c. Sale 86c.
Floor Canvas	Special 1.25
Table Oil Cloth	Reg. 48c. Sale 43c.
Fancy Felt Mats	Reg. 2.80 Sale 2.55
Stair Oil Cloth	Reg. 30c. Sale 26c.
Stair Carpet	Reg. 3.30 Sale 2.55

Gent's Furnishings

Soft Shirts	Reg. 1.40 Sale Price 1.29
Work Shirts	Reg. 1.00 Sale Price 87c.
Felt Hats	Reg. 2.70 Sale Price 2.40
Velour Hats	Reg. 6.00 Sale Price 4.50
Boston Garters	Reg. 50c. Sale Price 40c.
Eastern Caps	Reg. 1.10 Sale Price 98c.
Eastern Caps	Reg. 1.70 Sale Price 1.55
Eastern Caps	Reg. 3.30 Sale Price 3.00

Dress Department

Plain Voiles	Reg. 35c. Sale Price 32c.
Fancy Voiles	Reg. 30c. Sale Price 27c.
Fancy Voiles	Reg. 60c. Sale Price 52c.
Percales	Reg. 32c. Sale Price 29c.
Colored Foulards	Reg. 60c. Sale Price 54c.
Ginghams	Reg. 20c. Sale Price 17c.
Tweeds	Reg. 3.30 Sale Price 1.65
Velveteens	Reg. 1.60 Sale Price 98c.

plows. These generators, which burn coal, coke, or charcoal, with equal success, also have been used on automobiles. It is entirely possible that a result of these experiments may be developed a new type of automobile.
—Popular Science Monthly.

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In the Supreme Court.

In the matter of the Companies' Act, 1899 and Amendments thereof, and in the matter of the winding-up of W. & T. Hollett, Limited.

NOTICE OF MEETING OF CREDITORS AND CONTRIBUTORIES.

NOTICE is hereby given that the first meeting of creditors and contributories in the above mentioned matter will be held in the Tower Room, Court House, St. John's, Newfoundland, on Monday the 12th day of May, 1924, at 11 o'clock in the forenoon. To entitle a creditor to vote thereat, proof of debts must be filed with me not later than 11 o'clock in the forenoon of Saturday, the 10th day of May, 1924.

WILLIAM F. LLOYD,
Official Receiver, Court House,
April 19th, 1924. St. John's, Nfld.
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