

New Cancer Treatment Safer Than Radium

Most Discussed Subject in German Medical
Circles—Mesothorium Worth \$50,000 a
Gramme—Public Subscriptions to Buy It

Mesothorium, the new "cure" for cancer, has within the last few months rapidly become the most-discussed subject in the German medical world. Optimists claim that an effective treatment of the disease has at last been discovered, and support their arguments by the evidence of numerous successful cases. Even the more cautious do not deny the wonderful results that have been obtained; all that they ask for is a longer period of experiment, in order to discover whether relapses do not occur, and whether, even if the cancerous growths are destroyed, other injurious results are not produced. In the meantime, the interest of the layman has become almost equally strong, and since the high price of the new substance puts it beyond the reach of most private practitioners, public committees and municipalities all over the country are competing for the scanty supply that has been so far produced. The Prussian Government is said to be preparing a bill for the purchase of mesothorium, which will be laid before the Landtag in the coming session. The town councils of Berlin and Munich have each voted the sum of £10,000 for the same purpose. In Jena the public gynaecological hospital has purchased one or two milligrammes for the sum of £1,500, and small amounts have also been obtained by Leipzig and Essen. In Mannheim, Karlsruhe, and other towns public subscription lists have been opened, and a large fund for the purchase of radium and mesothorium has been collected by the Hamburg Research Institute.

The origin of the new remedy goes back to the discovery of the light treatment for skin diseases, in particular for lupus, by the Scandinavian Emsen, who achieved remarkable cures by the concentration of light rays on the diseased parts. The next step

was taken after the invention of the Röntgen apparatus when it became possible to employ for the same purpose rays invisible to the human eye. As is well known, the Röntgen rays under certain conditions proved only too dangerous to early investigators, whose health and lives were sacrificed. On analysis they were shown to be composed of rays of different strength, the so-called alpha, beta, and gamma rays, which themselves can be further subdivided. The alpha or weak rays are unable to pierce through metal or vegetable tissue with the same ease as the stronger beta or the still more powerful gamma rays; they are intercepted by the human skin and are the cause of the harmful effects mentioned. On the other hand, it was discovered that the gamma rays could pierce deep into the human tissue, and that, if the weaker rays could be filtered away, under the influence of gamma rays diseases of the skin and cancerous growths could be made to disappear in a most marvellous manner.

How It Was Discovered.

Since the first experiments some ten years ago many successful cures of lupus and facial cancer have been recorded both in the famous Radium Institute at Paris and in the New York City Hospital. Unfortunately, the extreme rarity of radium has made a general application of the treatment impossible. The Paris Institute, for instance, is said to possess one gramme of this precious substance, while in Germany the hospital of Frankfurt, thanks to municipal and private generosity, has obtained six-tenths of a gramme.

At this point came the discovery of mesothorium by Professor Hahn, of Berlin. For some time the Auerlicht-gesellschaft, a company engaged in the manufacture of incandescent mantles,



had been making experiments on various substances, uranium, thorium, thorium, etc., for the production of material for use in their factories. Among other substances on which they worked was a certain monacite sand brought over from South America, and it was in the waste products of this sand that Professor Hahn found traces of a radio-active substance, mesothorium. Enormous waste mounds of the sand had already been built up in the neighborhood of Berlin, which the company, as soon as their value was realized, made haste to purchase. The medical value of the discovery was soon realized, and three gynaecological specialists, Professors Kronig, von Freiburg, Bumm, of Berlin, and Doderlein, of Munich—at once began to employ it in the treatment of those forms of cancer to which women are especially liable. So far between 100 and 150 cases have been treated, with astonishing results. After a treatment generally lasting not more than a few days all outward signs of cancer disappear, the pain ceases, and the patient's general health improves at once. Microscopic examination also of all the parts that can be reached reveals no trace of the disease. One case, so I am informed by an expert in these diseases, has now been under observation for as long as a year and a half, and up to now no trace has been found of a relapse. Professor Kronig and Doderlein, indeed, are refusing after this success to have recourse to operation. Professor Bumm does not go so far, and prefers to combine the two methods. There is, indeed, a limit to the possibilities of the treatment, since when the disease is in a very far developed stage it is not possible to apply the mesothorium rays with sufficient strength to all the parts affected. Even in these cases, however, pain can be alleviated and life prolonged, although a complete cure remains improbable.

Is a Corner Being Made. In brief, the process of treatment is the following: The mesothorium is placed in a small capsule of gold or silver in order to intercept the weaker rays. The capsule is then inclosed in rubber or gauze and inserted as near the affected part as possible, where it is allowed to remain for a period of about twenty-four hours, the treatment being repeated after an interval of one or several days.

Mesothorium differs from radium only in price and in a more rapid loss of power. Whereas it has been calculated that it would need 1800 years before the energy of a gramme of radium is reduced by one half, mesothorium retains its full energy only for the first few years. After this the force is gradually dissipated, until after twenty years only about one-half of the original energy remains. Its great advantage over radium is its comparative cheapness, although even for mesothorium the enormous sum of £10,000 per gramme is being asked. Public opinion here is much disturbed over such a tremendous price, and the Auerlichtgesellschaft, together with the three other companies engaged in the manufacture of mesothorium, have been accused of exploiting human pain in order to obtain enormous profits. On behalf of the companies it is said that the cost of extracting mesothorium from the enormous quantities of sand required, apart from the cost of importing the sand from South America, is very great, and that they are in no way earning what could be called monopoly profits. Where the truth lies

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Overcoats in new single and double-breasted shawl collar styles, raglan shoulder styles, smart new Chesterfields and convertible collar models.

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Cleverly cut in this newest style. They're here in rich brown chevrons and twills. Long shawl collar style, splendidly trimmed and made. Ordinary \$14 values.

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Monarch Knit Sweater Coats for boys, in sizes 26 to 32. Browns, tan, grays, etc., with collar and two pockets.

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14 only of these splendid double texture Paramatta Coats. Dandy coffee shade, raglan shoulder, heavy strapped seams, 34 to 40.

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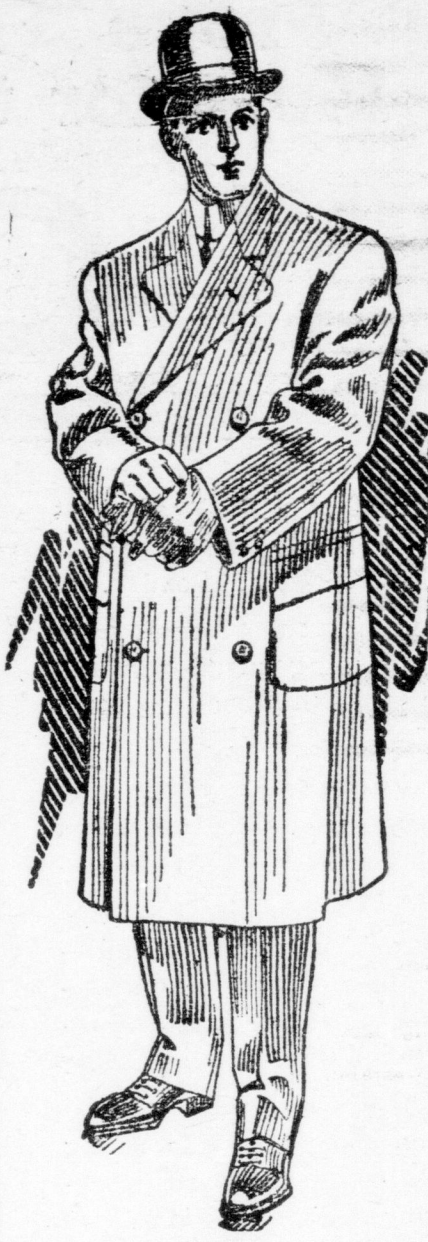
50 pairs Gray Stripe Worsted Working Pants, in sizes 32 to 42, well made and trimmed and will give splendid wear. Genuine \$2.25 values.

\$3.98 for Young Men's Peg Top Trousers

In smart new tan and brown shades, in fine English worsteds. Made with cuffs and belt loops, hip cut pants.

\$18.50 Special Black Melton Overcoats

All sizes again in this famous coat. Carr's English melton, raw edge finish, strapped seams. 46 and 50 inch length. \$20 value.



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Going like hotcakes are the Swagger Fall Suits and Coats of this well-known make.

All the distinctive features that made them the leading clothes in the States, are found in these garments made in their Canadian factory, with the added advantage of British woolsens.

SUITS, \$18 to \$25
COATS \$18 to \$25.50

Strictly hand made, by the best tailoring talent in Canada.

65c

Soft fronts, with cuffs attached. Clean cut, light designs, in all colors, and black and white. Regular \$1.00.

\$1.39

Gray and stripe flannel shirts, with soft collar to match, separate. Regular \$2.00.

85c

Soft fronts in smart new fall designs, including big range of black and white effects. Regular to \$1.25.

New Two-Tone Fancy Corduroy Vests, \$2.95

The newest thing out in fancy Vests shown here this week in three new shades at a saving of \$1.00.

\$1.05

Exclusive New York patterns in light and medium colors. Soft fronts and pleats. Regular to \$1.50.

\$1.20

Hand Laundered Shirts in high grade imported cloths. Cleverest new designs. Regular to \$1.75.

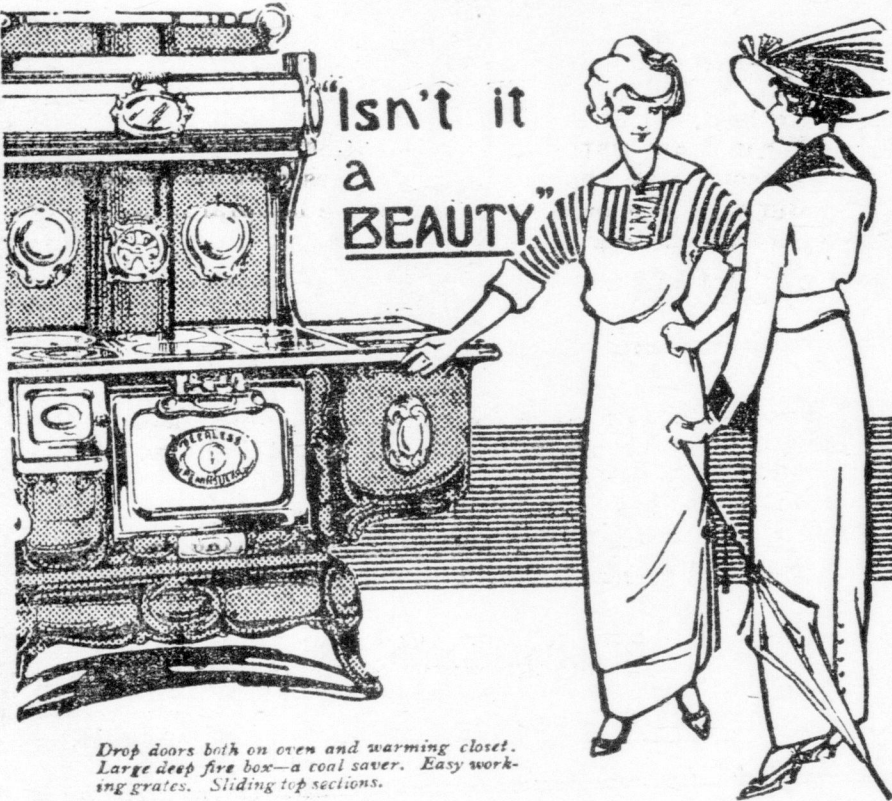
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Lord Ballyrot in Slangland



I chanced to meet a small boy with a shining countenance, toddling on his way laden with school books. In a benevolent mood, don't you know, I asked the little nipper if he was on his way to school, and he retorted: "Where does yer think I'm churning to—a ball game? Sure, I'm steam-rolling toward the old knowledge box on the hill. Every day I ear into the fact-factory and get my brain dusted by the Teach. I'm on the way now to have my wisdom tusk polished and get Jo to the lingo of Caesar and the other dead ones. Listen! Some teacher's pet is already yanking the tardy chimes. So long!"

MY WORD!

It is impossible to say, in any case there seems little probability of an immediate reduction in price, since the producers are now quite unable to satisfy the demands that are being made from all sides.

It is being pointed out in the campaign for the purchase of mesothorium that is being carried on in various towns, that not more than a quarter to half a gramme of the substance, which of course can be used repeat-

EASY TO DARKEN YOUR GRAY HAIR

You Can Bring Back Color and Lustre With Sage Tea and Sulphur.

When you darken your hair with Sage Tea and Sulphur you can tell, because it's done so naturally, so evenly. Preparing this mixture, though, at home, is messy and troublesome. For 50 cents you can buy at any drug store the ready-to-use tonic called "Wyeth's Sage and Sulphur Hair Remedy." You just dampen a sponge or soft brush with it and draw this through your hair, taking one small strand at a time. By morning's hair is darkened, or two your hair becomes beautifully darkened, glossy and luxuriant. You will also discover dandruff is gone and hair has stopped falling out. No more, is a sign of old age, and as we all desire a youthful and attractive appearance, get busy at once with Wyeth's Sage and Sulphur Hair Remedy. Look younger. For sale by W. T. Strong, London.

Ends Backache and Kidney Disorders

Croxone Helps Lifeless Organs Regain Health, Strength and Activity.

It is useless, dangerous and unnecessary to be tortured with the digging, twisting pains of backache, or suffer disagreeable kidney and bladder disorders, when Croxone is guaranteed to promptly and surely relieve all such misery. Croxone masters these troubles because it quickly reaches the cause of the disease. It soaks right into the stopped up, inactive kidneys, through the membranes and lining, cleans out the little filtering glands, neutralizes and dissolves the poisonous uric acid, and makes the kidneys filter and sift from the blood the waste and poisonous matter that clog the system and cause such troubles. It does not matter whether you have but slight symptoms or a chronic, aggravated case, it is practically impossible to take Croxone without results. An original package of Croxone costs but a trifle, and all druggists are authorized to return the purchase price if you are not entirely satisfied the very first time you use it.

Sale of Beds and Bedding

This week is Bedding Week. Once every year we have a Bedding Sale and people from all over Western Ontario attend this sale. This year the sale starts Saturday, Oct. 11. The bargains are greater than ever, including all the "Ideal" Beds from the Western Fair exhibit.

IRON BEDS.	BRASS BEDS.	WOODEN BEDS.
\$3.50 Beds for...\$2.50	\$15.00 Beds for...\$11.00	\$6.00 Oak Beds...\$4.00
\$5.00 Beds for...\$3.50	\$18.00 Beds for...\$14.00	\$10.00 Oak Beds...\$7.00
\$6.00 Beds for...\$4.50	\$25.00 Beds for...\$18.00	\$25 Oak Beds...\$18.00
\$7.50 Beds for...\$5.00	\$30.00 Beds for...\$22.00	\$40 Oak Beds...\$30.00
\$9.00 Beds for...\$6.50	\$35.00 Beds for...\$26.00	\$12.00 Mahogany Beds...\$18.00
\$12.00 Beds for...\$9.00	\$40.00 Beds for...\$31.00	\$20.00 Mahogany Beds...\$15.00
\$15.00 Beds for...\$11.50	\$50.00 Beds for...\$35.00	\$35.00 Mahogany Beds...\$25.00
\$20.00 Beds for...\$14.50	\$80.00 Beds for...\$65.00	\$50.00 Mahogany Beds...\$35.00
\$25.00 Beds for...\$17.50		

PILLOWS.	MATTRESSES.	SPRINGS.
\$2.00 Pillows...\$1.50	\$3.50 Mattress...\$2.50	\$3.00 Springs...\$2.50
\$3.00 Pillows...\$2.00	\$4.50 Mattress...\$3.25	\$4.00 Springs...\$3.00
\$4.00 Pillows...\$3.00	\$6.00 Mattress...\$4.50	\$5.00 Springs...\$3.50
\$5.00 Pillows...\$3.50	\$10 Mattress...\$7.50	\$6.00 Springs...\$4.50
\$6.00 Pillows...\$4.00	\$12 Mattress...\$8.50	\$7.00 Springs...\$5.00
\$8.00 Pillows...\$5.00	\$15 Mattress...\$11.50	\$8.00 Springs...\$6.00

BLANKETS.	COMFORTERS.	OSTERMOOR MATTRESSES.
\$2.75 Blankets, \$2.00 pair	\$2.50 Comforters...\$1.75	We are sole agents in London for this world's greatest Mattress. Every Mattress fully guaranteed.
\$3.00 Blankets, \$2.25 pair	\$3.00 Comforters...\$2.25	
\$5.00 Blankets, \$4.00 pair	\$3.50 Comforters...\$2.50	
\$6.00 Blankets, \$4.50 pair	\$4.00 Comforters...\$3.00	
\$8.00 Blankets, \$6.00 pair	\$5.00 Comforters...\$4.50	
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	\$18.00 Comforters...\$12.50	

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Stamping out one of the most terrible diseases to which the human frame is subject. Unfortunately, there is little chance of a Dreadnought being sacrificed, and in the meantime the campaign is forced to rely for the most part on municipal and private beneficence. "Do any of the good things you hope for come to pass?" "They all come to pass; but they come and pass so doggedly swift I can't grab 'em." — Houston Post.

Employer — "What? You want a raise? Why, when I was an office boy I had to work five years before I got one." Boy — "Yessir; but perhaps you were one of those fat-headed kids that ain't worth a raise." — Boston Transcript.