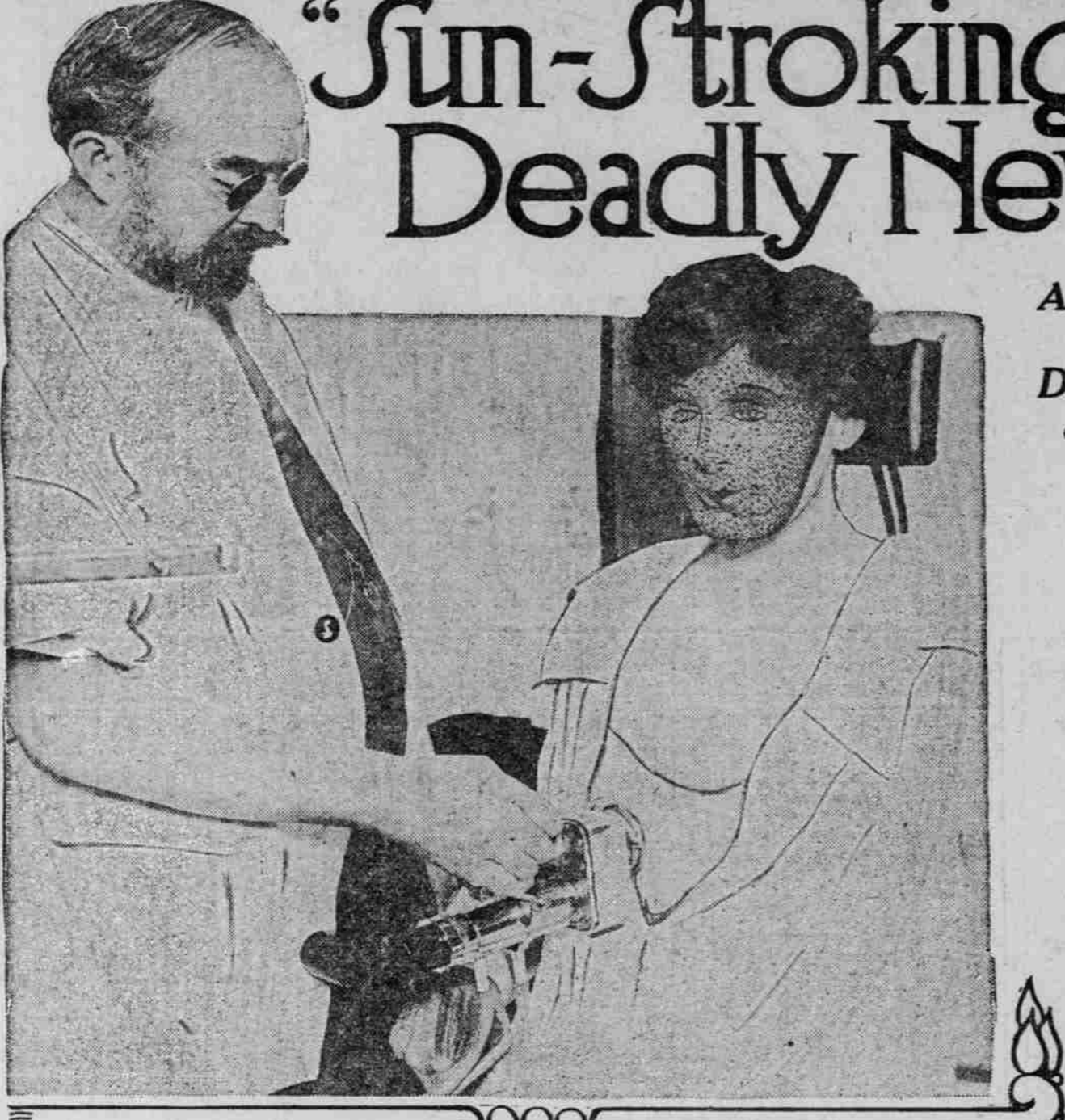
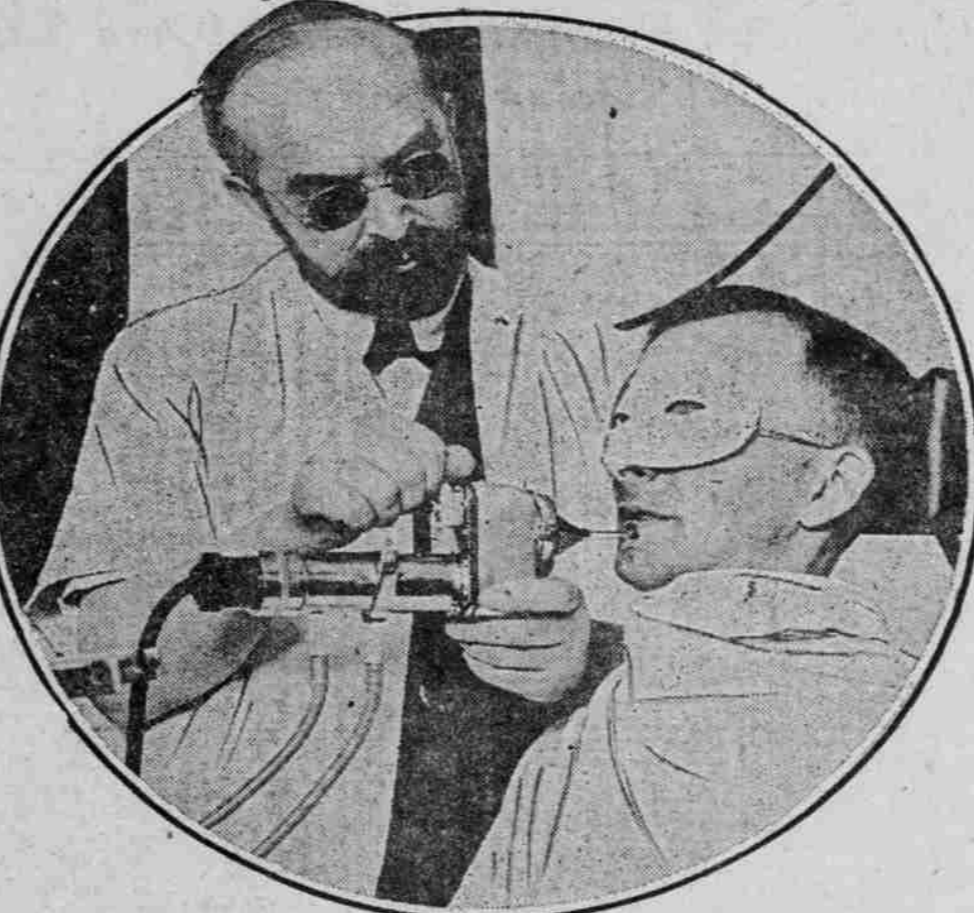


"Sun-Striking" Disease Germs With a Deadly New Ray

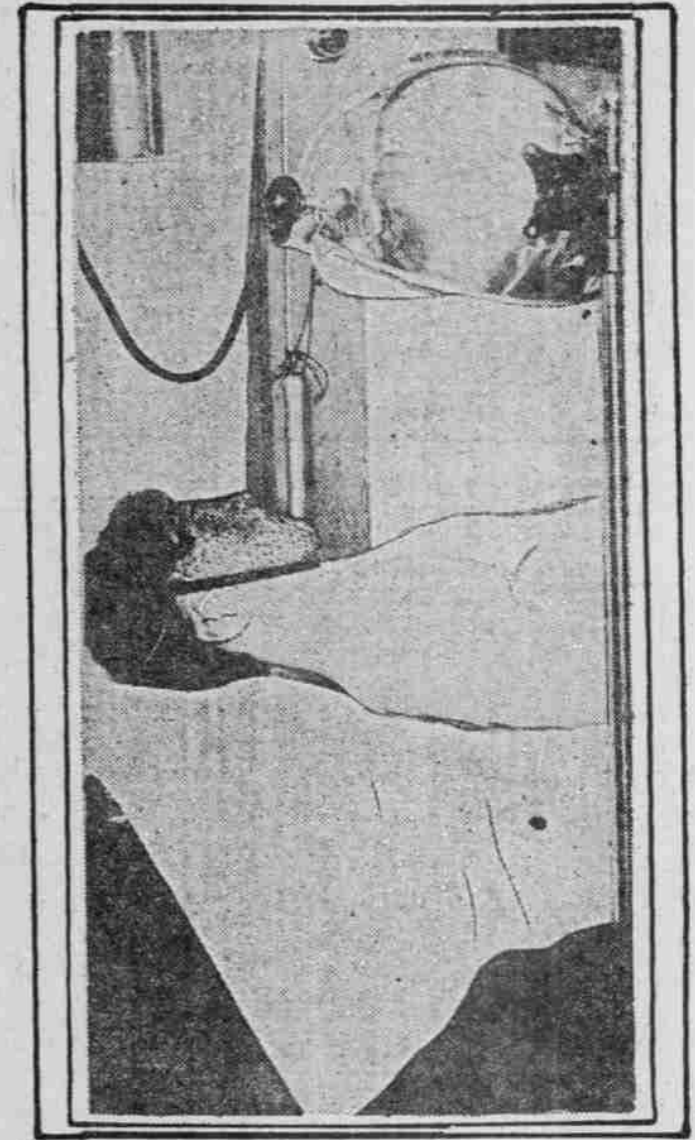
And the Interesting Scientific Experiments With Sunlight Cures Which Are Now Declared to Have Led to the Discovery of a Method of Destroying the Malignant Microbes of Cancer and Consumption



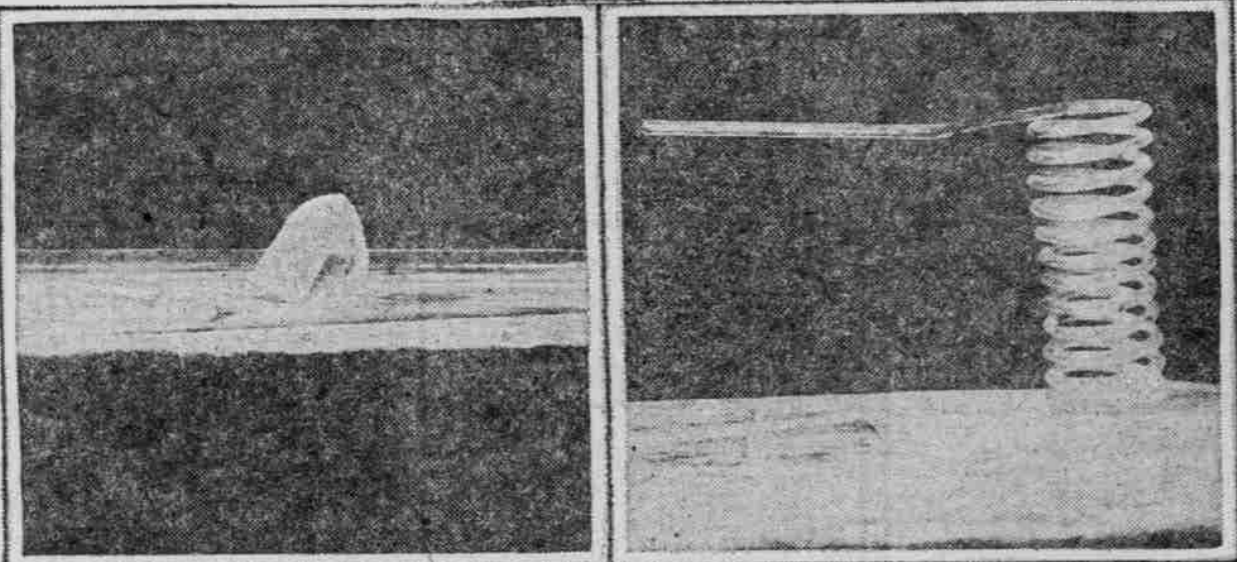
SUBJECTING THE DESTRUCTIVE GERMS OF A RODENT ULCER, A MALIGNANT CANCEROUS GROWTH, TO THE WITHERING EFFECTS OF THE NEW CHEMICAL LIGHT.



REMOVING A CANCEROUS GROWTH ON THE LIP BY APPLICATION OF ARTIFICIAL SUNLIGHT.



How the tubercular patient is prepared for the "sun-stroke" treatment. The mask is worn to shield the face and eyes from the intense light.



This rock crystal, from which the quartz lens or tube is made, is subjected to 2800 degrees of heat without melting or cracking. The quartz tube which permits of the projection only of certain chemical rays of light deadly to malignant disease germs.

In one way at least, as medical science discovered long ago, disease microbes are somewhat like human beings. They vary. Some are easy to dispose of. Others seem to bear charmed lives. The slightest puff of a cold wind will kill one. Others can be boiled, baked, half-butchered, suffocated, asphyxiated, drowned, poisoned, electrocuted and even burned alive and still they survive, apparently little the worse for ill treatment.

It is with this particularly tough and practically unkillable microbes of disease that medical science has had its greatest battles in the past and the microbes generally won because scientific research failed to produce any instrument, gas, poison, fire or liquid that would kill it.

split up into the real colors visible to the eye. Coolies of raindrops act as bubbles or prisms of water instead of glass and reflect back against the clouds or sky the dissolved yellowish sunlight, which has seeped out from behind the clouds. The returned light is split up into the natural colors red, pink, orange, yellow, green, blue, violet.

smooth surface, it will split the light in the same way as raindrops do a rainbow. The result is called "the colors of the spectrum" or "the spectral colors."

If man had perfect eyesight in the meaning of the term with X-ray, radium, spectral—meaning "of the spectrum"—and if he also had translucent powers, then much knowledge, which is obtained now only indirectly by scientific instruments of precision, would be acquired in a direct way for the benefit of mankind in general.

For instance, it has been discovered through the use of these tools of science that there are thousands of other sets of radiations beyond the violet end of the spectrum as well as thousands of others beyond the opposite or red extremity.

Chemical effects are indicated by a changed film or plate, a burned skin, a blackened or tanned pigment in the flesh, are now known to be caused by one of these extreme rays just as freckles, tan, sunburn, motion pictures, photographs, rain, clouds, gravitation and electricity come from the sun, mercury-vapor lamps, quartz lights, and similar sources of light.

MOSQUITOS ARE ENDOWED WITH SUPER-INTELLECTS OF ATTACK

Proof of Reasoning Power and Genius in Lower Animals Exists in Tiny Craniums of Ferocious Flies of Prey.

By James J. Montague.
THE yellow fever mosquito buries his beak in one of your capillaries, leaves a few germs there, and in a week or two you are out of your misery.

Germany Imports Perfumes, Silks and Cigarettes.

Poor Are Clamoring for Oatmeal and Condensed Milk.

BERLIN, Aug. 14.—Since the raising of the blockade Germany has imported 10,000,000,000 marks' worth of silks, perfumes, chocolates, oranges, cigarettes and other luxuries from abroad, and the poor are clamoring for oatmeal and condensed milk, according to German advocates of "the simple life."

CITIES ALL OVER COUNTRY ARE GETTING WAR TROPHIES

Thousands of Relics of All Kinds Brought From Battlefields of France Now Being Distributed at French Mission in New York City.

NEW YORK, Aug. 21.—Thousands of war trophies brought from the battlefields of France for use during the liberty loan and other drives are being distributed at the warehouse of the French mission here. The material includes guns of all kinds used by the French, British and Germans, cavalry swords, cuirasses, shells and soldier equipment.

LARKIN'S RELEASE URGED

Agitation in Ireland to Free Prisoner in America Renewed.

DUBLIN.—There is a renewed agitation in Ireland for the release from prison of James Larkin, now serving a sentence in America. Some of the new town councils have taken up the matter, and are busy passing resolutions about it.

Jewish Emigration Arranged.

WINNIPEG, Man.—Emigration of 90 Jewish families from Winnipeg to Palestine is being arranged by two societies, Holker and Honchua, it was learned recently.

Just what the ray is, how it may open up a new field of bloodless surgery by effecting cures which were considered impossible without surgical operations, and how it is being successfully used in the treatment of cancerous growths is described in the following article which Dr. Hirschberg has prepared specially for this page.

CURATIVE VALUE OF LIGHT.

As you perhaps know, it is not the bright light or hot rays of the noon-day sun that turns you as red as a boiled lobster or as bronze as a Sioux. Neither the heat rays nor the light waves of Old Sol have much to do with it. Rather is it a somewhat mysterious, invisible ray from the source of the illuminant. In other words, it is a radiant energy beyond the red, pink, orange, yellow, green,

blue, violet end of the spectrum—a species of ultra-violet ray not perceived or sensed by the human eye, which tans the skin and has now been found to possess remarkable curative qualities in the treatment of cases of cancer and even consumption.

Whitish light, whether from the sun, a candle, a lamp, a gas jet, an incandescent wire, a white hot iron, or an arc light is really a mixture of all the colors of the rainbow. The rainbow is called a spectrum, which is white light analyzed, dissected, or

Each member of the family on reaching the house is isolated in a screened room while his clothing is searched for mosquitoes.

They have a patience which equals their cunning. Never by any chance do they enter a room unless they are invited in. They are so cunning that they are able to find their way into the most inaccessible parts of the room.

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ted energy, intellectual or physical, tubercular glands, or what not, call for a trip to the Adirondacks, Atlantic City, the Rocky mountains, or a farm, the average person, knowing how impossible this would be, has no alternative but to stay home and grow worse.

The Indoor Sunburn Cure.

But no more. The radiant energy needed to fight the disease can now be obtained at home. In other words, thanks to an elaborate series of mercury-vapor lamps and quartz bulbs, put into practical use by Dr. A. J. Ochamer in Chicago, Dr. Donald McCasky in New York, and by others prominent in the medical and surgical field, the victim of tubercular glands or tuberculous peritonitis, whose needs must be treated by sunlight, can go to one of the treatment rooms of a hospital or office and be sunburned right indoors in a dark room.

Pitted out in such establishments are a number of sun-treatment rooms where the microbes of disease are subjected to a treatment which amounts to a fatal attack of sun-stroke for the microbe.

In each of these rooms is a huge reflector, inside of which is a mercury-vapor quartz lamp. An attendant brings in the patient, who is placed upon a camp cot or couch for treatment.

At first these powerful rays of artificial sun are focused on the neck, shoulders, chest, and back for only three minutes. So concentrated are these solar rays however, that the subject quickly becomes as sunburned and red as a hard boiled crab.

Sunburn lotions are then required to ease the pain of the artificial sunburn. The victim peels just as if he had gone fishing or swimming in mid-summer. The next treatment given is a few days later.

Gradually as the peeling stops and a tan begins to take its place, the indoor sunshine treatment is continued for 15 minutes to half an hour.

While sunlight raying is not a panacea or all-healing method, it has worked some extraordinary results, for victims of high-blood pressure, enlarged glands of the neck, anemia, and emotional instability.

Dr. Donald McCasky of New York has been for some years one of the advanced research workers in this field. His reports of the successful use of indoor, artificial sunburn convince many conservative physicians that for tubercular glands of the neck, cancerous growths, debility, anemia, diabetes, tuberculosis, and similar maladies, and even for the obliteration of blemishes the "sunstroke" remedy is going to prove a valuable forward step in medical science.