

DIRECTIONS FOR USE
of the
PHILIPS red "Infraphil"
Infra-red ray lamp

Attention

If the apparatus has to be set up in a different place during irradiation, do not omit to disconnect it, because otherwise, owing to its high temperature, the filament might be broken as a result of shock.



Introduction

You are now the fortunate possessor of a Philips infra red ray lamp, which you can use for all *rheumatic troubles, colds, lumbago, boils and suchlike inflammations of the skin and the tissue underlying it, inflammations of the jaws, tooth-ache or pains after extraction, sprains, bruises, strains, burns and other badly healing wounds, chapped hands, chilblains, muscular pains, cramp,* and in fact in all cases where heat helps to effect a cure.

It is all a matter of applying heat to the tissue underneath the skin, where the blood vessels lie, these then being caused to expand, as a result of which a richer supply of blood flows to the affected spot. Antidotes—that is, substances counteracting poisons and diseases—and a large number of white blood corpuscles—those minute bodies in the blood that fight against germs and infections resulting therefrom—are supplied to the affected part of the body while at the same time the residual products are carried off. It is therefore necessary that the heat applied should penetrate well below the skin, and this cannot be achieved with any of those old-fashioned remedies like hot-water bottles, hot flannels,

fomentations and poultices. The human skin is intended by nature to retain heat and not to let it through.

Only certain infra-red rays, those with a wavelength of about one thousandth part of a millimetre, are capable of penetrating through the skin to the underlying tissue,



and it is just these rays of a specific wavelength that are supplied to the body by the Philips "Infraphil" lamp.

Away, then, with those old-fashioned and unscientific family remedies! Philips "Infraphil", that scientifically developed source of infra-red rays, fully answering medical requirements, has banished those so-called remedies for ever and does the work *a thousand times better!* Further "Infraphil" is

of a great help for *massage treatment* and is successfully used for *cosmetic purposes* and in *beauty treatment*.

What is the PHILIPS red "Infraphil"?

The "Infraphil" consists of a special lamp contained in a lamp cap mounted on a small pedestal. Inside the lamp is an incandescent body which is electrically heated to a very high temperature (about 2600° C.). The bulb around this body is filled with a special gas and it is fitted into the lamp cap by means of a special lamp base and holder. The base end of the bulb is parabolic in shape and mirrored on the inside, thus strongly concentrating the rays, whilst the precisely calculated shape and careful centering of the incandescent body ensure a very uniform field of radiation. In the front half of

the bulb is a layer of red and indelible substance fully absorbed in the glass, so as to hold back most of the (sometimes troublesome) glaring light, while at the same time *transmitting the maximum amount of just those healing infra-red rays of that one specific wavelength that is most effective.*

Owing to a very special kind of glass being used, the risk of the bulb bursting is avoided, even in the event of its being cooled suddenly, for instance when splashed with water.

The lamp cap is finished off with a cream lacquer and mounted on the pedestal in such a way that it can be rotated, while the curved arm allows the lamp to be adjusted vertically.

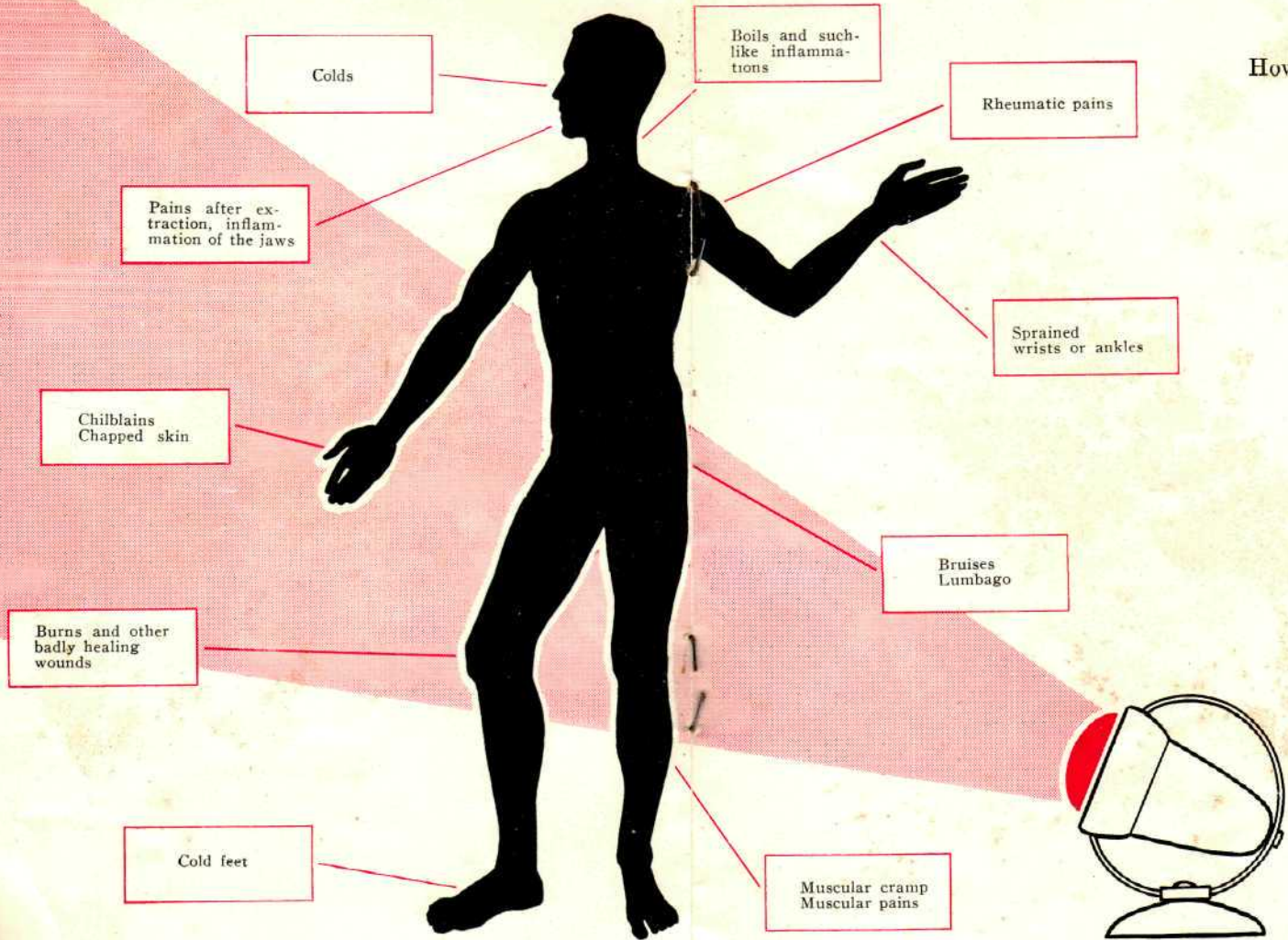


THE PHILIPS red "Infraphil"

The Philips "Infraphil" can be stood up on a table, or hung up on a wall, or clamped on a chair or bed, from any of which positions the rays can be directed in any way de-

sired. It is very light in weight and of small dimensions, so that it can easily be moved from one place to another and stored away after use.

It can be used on D.C. or A.C. mains.



Colds

Boils and such-like inflammations

Rheumatic pains

Pains after extraction, inflammation of the jaws

Sprained wrists or ankles

Chilblains
Chapped skin

Bruises
Lumbago

Burns and other badly healing wounds

Cold feet

Muscular cramp
Muscular pains



"Infraphil" can help you

Colds

For the treatment of colds alone it is well worth while having an "Infraphil" in the home. Often just one treatment with these rays already brings relief, that stuffy feeling disappears and it will not be long before the cold is driven off.

Inflammations

In case of inflammation of the mucous membrane in the nose, forehead, throat, and for inflammations in many other places your doctor will very often prescribe "warmth". The "Infraphil" is the very thing to apply this warmth hygienically, reliably and efficiently just at the place where it has the greatest effect, while the soft red light of these rays, which are often directed on the face, is much more pleasant than the intensive white light of other types of such lamps. In many cases all pain will disappear and there will be a considerable improvement after a few treatments.

Infections of the skin

These "Infraphil" treatments are beneficial not only for inflammations of the mucous membranes but also for inflammatory infections such as boils. The cure is usually greatly accelerated and there is soon relief from the pain.

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Rheumatic troubles There are various causes of rheumatism and it also manifests itself in different ways. In very many cases "Infraphil" treatment is a real boon, being a most effective means of combating rheumatic troubles and alleviating pain.

Sprains The strained tissues in a swollen joint can be intensively heated with the "Infraphil", which brings about a circulation of fresh blood through the painful parts. After a few days the bluish-green discolouring of the skin caused by the effusion of blood in the contusion disappears, the pain is alleviated and the cure is speeded up. The tissue regains its former elasticity and the torn ligaments heal more quickly. But after a serious accident always consult your doctor, so that he can diagnose the case.

Chaps and chilblains Many people suffer from chapped skin and chilblains on the hands and feet during winter. "Infraphil" treatment has a soothing effect, that unbearable irritation soon disappears and the rays, penetrating deep into the skin, reinforce the circulation of the blood and thus promote the healing of those painful cracks.

The use of a PHILIPS

red "Infraphil" in sports

In most sports it is no exception when a player suffers some slight injury, such as cuts, abrasions, bruises, sprains, or gets muscular cramp. In such cases the immediate application of the "Infraphil" treatment considerably alleviates the pain and promotes quick healing. One treatment in the case of muscular cramp, for instance, is so effective that often play can be resumed immediately afterwards.

This goes to show how useful, and in fact indispensable, the "Infraphil" is in gymnasia, boxing schools, fencing schools, swimming baths, on football fields, sports ground, racing tracks, and indeed wherever some sport or other is practised.



For massage too



The rays produced by the "Infraphil" are especially beneficial during massage. This is quite understandable, since these rays do exactly what the masseur is trying to achieve, namely, to increase the circulation of the blood through the affected part of the body. It is for this reason that the "Infraphil" is so successfully applied not only by masseurs in sports clubs but also in special institutions for remedial gymnastics, orthopaedic departments of hospitals, physical culture institutes, beauty parlours (for face massage) and suchlike.



How the "Infraphil" should be used



Just put the plug at the end of the flex into a wall socket . . . and the Philips "Infraphil" is ready to send out its healing rays. But before doing so make sure that you have the right voltage. This is marked on the front of the bulb.

The distance for the treatment



For the most effective treatment the "Infraphil" should be as close as possible to the affected part of the body, such that the heat is just bearable and comforting without being painful to the skin. Generally 10 inches is found to be a comfortable distance.

Inflammable articles

It is wise to keep highly inflammable articles and liquids — combs and spectacle frames made of celluloid, etc. — well away from the rays of the "Infraphil."

When using it in bed care must be taken that the sheets blankets or pillows do not get scorched.



Pain-killers and drugs



It is strongly advised not to take any painkillers or other drugs just before the treatment because the skin is then apt to become less sensitive and too much heat may be applied without it being noticed, with the result that the skin may be burnt.

Duration of the treatment

How long the treatment should be continued at one time depends upon the nature of the disorder and the sensitivity of the patient's skin. As a rule about 15 minutes, but this can vary between 10 and 30 minutes. If the skin is very sensitive it is well to apply some grease to it after the treatment.



How often should it be repeated?

In many cases one treatment per day suffices. For persistent disorders it is often advisable to repeat the treatment a few times per day, but of course no general rules can be given, because it depends upon the needs of the case and the sensitivity of the patient. If in doubt ask your doctor!

Do not let your friends suffer unnecessarily!

Among your friends and acquaintances there are bound to be some who are not yet aware of the possibilities offered by Philips "Infraphil". In fact some of them may not even know it exists and are still making do with poultices, fomentations, hot-water bottles and all those other old-fashioned remedies. Do not keep them in ignorance any longer and let them suffer unnecessary pain.

Tell them what the "Infraphil" has done for you, show it to them and give them this booklet to read.



They will be grateful to you . . . and there should be a PHILIPS "Infraphil" in EVERY Australian House.

To sum up:

As an electro-medical apparatus the Philips red "Infraphil" possesses the following important properties:

- 1 A maximum of infra-red rays of the *only* right wavelength capable of penetrating right through the skin to the underlying tissue.
- 2 Concentrated beam of rays and a uniform field of irradiation.
- 3 Special red bulb of hard glass holding back most of the glaring light and precluding the possibility of the bulb bursting when suddenly cooled, for instance by splashing with water.
- 4 Very high and constant intensity of the rays.
- 5 Wide range of possible applications.
- 6 Easily adjustable beam.
- 7 Low power consumption.
- 8 Utmost simplicity of operation.

In serious cases never try to make your own diagnosis but consult your doctor at once.

Drive pain away with the Philips red "Infraphil", the ideal infra-red lamp with maximum of healing heat.

**PHILIPS ELECTRICAL INDUSTRIES
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