

# • ***The Unique Advantages of RHUMART®***

## **RHUMART® - What is it?**

The RHUMART® system differs from diathermy, microwaves, "magnetotherapy," shortwaves, ultrasound and stimulation with a continuous current. It is a noninvasive system using specific, patented, low-frequency bioelectric wave impulses to stimulate *normal cell regeneration* and *accelerate the resolution of inflammation*; it promotes the growth, maintenance and healing of living cells, soothes muscle aches and stiffness, and improves tissue oxygenation and blood circulation.

## **A Wide Choice of RHUMART® Wave Control Parameters**

The intensity of the RHUMART® wave, its direction, its frequency and its spatial gradient can all be controlled using the controls on the generator and the *field diagrams*<sup>1</sup> provided for each applicator. As a result of this flexibility, the RHUMART® wave can be concentrated on the precise part of the body you wish to condition.

## **Field Diagrams<sup>1</sup>**

The field diagrams allow you to select the desired combination of wave intensity, direction and spatial gradient both within and on the periphery of the applicators.

## **An "Athermic" System**

The superiority of low-frequency conditioning over high-frequency treatments or diathermy has often been demonstrated. When high-frequency waves are used to treat arthritic joints, for example, they can cause an undue increase in temperature in the diseased site, resulting in undesirable side effects such as degeneration of the cartilage.<sup>2</sup> The purely physiological effects of the RHUMART® waves make RHUMART® a superior system for the control of a variety of different health problems and the improvement of Quality of Life.

## **Multiple Applications**

Low-frequency waves are used throughout the world with a great deal of success in orthopedics, rheumatology and traumatology. (See the list of scientific references and the RHUMART® Index.) However, the RHUMART® wave is the one with the greatest biological compatibility and effectiveness.

## **Unique Wave Form**

The patented RHUMART® wave form is absolutely unique. Its amplitude or induced intensity simulates the calcium ion (Ca<sup>++</sup>) impulses that are absolutely essential to the transmission of nerve impulses.

## **Noninvasive System**

The resonance between the RHUMART® wave and that of the nervous system makes it possible to induce physiological effects. The RHUMART® system does not require implants. With no negative side effects and no risk of infection, it is fully compatible with most natural health-control methods.

## **Simple to Use**

Although RHUMART® must be used according to the manufacturer's instruction, operating the system is no more difficult than tuning a radio. It is a simple procedure for the subject to adjust the conditioning parameters to suit his or her own individual needs. This procedure is well explained in the Operating Guide.

## **Safety**

The system is completely safe when used according to the manufacturer's instructions.

## **Mobility**

The system is light and compact and easy to carry. It can be used in any room equipped with an electric outlet or the appropriate electric batteries; there is no need to rearrange your furniture.

## **Comfort and Economy**

RHUMART® conditioning is generally painless and worry-free. Users appreciate the fact that they don't have to get undressed, since they are more comfortable and home sessions are easier to take compared to visiting a clinic.

1 See "The RHUMART® History in this Journal.

2 **Fiebel, A. and F. Avital.** "Deep Heating of Joints: a Reconsideration." *Arch. Phys. Med. Rehabil.* 57, Nov. 1976.

- **Harris, E.D. Jr. and P.A. McCrosbery.** "Influence of Temperature and Fibril Stability on Degradation of Cartilage Collagen by Rheumatoid Synovial Collagenase." *N. Engl. J. Med.*, 290 (1974) 1-6.
- **Harris, E.D.** *Rheumatoid Arthritis*, New York, MEDCOM Press, pp. 25, 50, 51, 87.
- **Hollander, J.L. and S.M. Horvath.** "Influence of Physical Therapy Procedures on Intra-articular Temperature of Normal and Arthritic Subjects." *Am. J. Med. Sci.* 218 (1949) 543-548.
- **Lehmann, J.F., C.G. Warren and S.M. Scham.** *Clin. Orthop.*, 99 (1974), 207-245.
- **Licht, S.H.** *Therapeutic Heat and Cold*, 2nd Ed. New Haven: E. Light, 1965.