

Picture Story No. 695

ULTRASONICS -- THE PRACTICAL USE OF SILENT SOUND

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Ultrasonics, which developed from a laboratory curiosity into an important field of science, has become a thriving new industry in the United States. Through research and development during the last 10 years ultrasonic, or silent, sound has become a powerful industrial "tool" and a versatile medical "instrument." It is a new source of energy, almost magical in performance, that is increasingly benefiting people around the world. This group of photographs shows a few of the many unusual and practical ways in which ultrasonic sound is being used in the United States.

5-11 The contour of an ankle prevents complete contact with the head of an ultrasonic device, so the treatment is carried out under water. The water method also is used if an injured area is too sensitive to endure pressure. Ultrasonic treatments, used by thousands of U S. physicians, greatly benefit victims of rheumatism, arthritis, sprains, bruises, strains and other muscular ills. (61-9373) (See also 61-9372) Photo courtesy of The Birtcher Corp.



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