

HUMAN TESTS USING ELECTRICITY AS AN ANESTHETIC TO INDUCE ARTIFICIAL "SLEEP" have been tentatively scheduled to begin in mid-1970, Army Research and Development News Magazine reports. The U. S. Army Medical R&D Command has been supporting experimentation in this field nearly 15 years.

Currently being investigated under contract by the Marquette University School of Medicine, Milwaukee, the method involves passing an electric current through a selected part of the brain to induce sleep. Based on long term animal experiments, major advantages of electrical anesthesia would be its more rapid and effective action than drugs presently used, the Office of The Surgeon General of the Army has stated.

Present research being done on monkeys is concentrated on evaluating possible long term psychological and structural brain changes and determining the proper amount and type of current to use. Studies of possible harmful side effects from electrical anesthesia will be made before limited testing on humans begins.

UPCOMING EVENTS IN BIOMEDICAL ELECTRONICS --

May 19-22 -- 7th National Biomedical Sciences Instrumentation Symposium, "Imagery in Medicine," Chrysler Center, University of Michigan, Ann Arbor, Mich. Write: Ernest E. Sellers, BSIS Host Chairman, Box 618, Ann Arbor, Mich.

May 21-23 -- International Symposium on Microwave Power, The University of Alberta. Write: Wayne R. Tinga, Symposium Chairman, Dept. of Electrical Engineering, The University of Alberta, Edmonton, Alberta, Canada.

May 21-23 -- Symposium on Electron, Ion, and Laser Beam Technology, National Bureau of Standards, Gaithersburg, Md. Write: Dr. L. Marton, Conference Chairman, 10th Symposium on Electron, Ion and Laser Beam Technology, National Bureau of Standards, Washington, D. C. 20234.

May 22-24 -- Current Concepts in Coronary Heart Disease, Middlesex College, University of Western Ontario, London, Ontario, Canada. Write: William D. Nelligan, Executive Director, American College of Cardiology, 9650 Rockville Pike, Bethesda, Md. 20014.

June 2-6 -- 7th Biennial International Hospital Equipment, Medical Engineering and Services Exhibition, Olympia Hall, London. Write: Contemporary Exhibitions Ltd., 14 New Burlington St., London W.1, England.

June 2-7 -- World Congress on Ultrasonic Diagnostics in Medicine, Vienna, Austria. Write: Dr. K. Ossinig, Vienna Academy of Medicine, Stadiogasse 6-8, A-1010 Vienna, Austria.

June 9-13 -- Artificial Heart Program Conference, National Heart Institute, Shoreham Hotel, Washington, D. C.

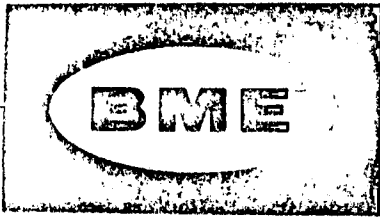
June 12-14 -- Recent Achievements in Cardiac Surgery: A Medico-Surgical Symposium, The Montreal Heart Institute, Montreal. Write: William D. Nelligan, Executive Director, American College of Cardiology, 9650 Rockville Pike, Bethesda, Md. 20014.

June 30-July 1 -- Conference on Applications of Continuous System Simulation Languages, Sheraton-Palace Hotel, San Francisco. Write: Robert Brennan, IBM Scientific Center, 2670 Hanover St., Palo Alto, Calif. 94304.

June 30-July 3 -- Clinical Application of Cardiac Catheterization Data, Madden Inn, Brainerd, Minn. Write: William D. Nelligan, Executive Director, American College of Cardiology, 9650 Rockville Pike, Bethesda, Md. 20014.

June 30-July 5 -- 2nd French Congress of Medical Electronics and Biological Engineering, Nancy, France. Write: International Institute for Medical Electronics and Biological Engineering, 47 Bd. de l'Hopital, Paris, 13, France.

July 7-8 -- Round Tables in Lasers for Medical Use, Paris. Write: Secretary, Laser Round Tables, I.I.M.E.B.E., 47 Bd. de l'Hopital, Paris, 13, France.



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Robert H. Smith, M.D., J. Tatsuno, M.D., Raymond L. Zouhar, M.D., Anesthesia and Analgesia, Vol. 46, No. 1, January - February 1967.