

different ways of sacrificing the animals. Our results support the observations made by Bosisio et al.³ and Guidotti et al.⁴ who used microwave irradiation to avoid changes in prostaglandin and cyclic nucleotide levels in animals. Microwave irradiation exposure is known to stop post mortem changes of brain ACh and CH⁵⁻⁷ and enzymatic activities³.

The employment of microwave irradiation instead of decapitation seems to stop post-mortem changes in prosta-

glandin contents (especially PGE₂ content) of the hypothalamus of the rat and makes the values measured by radioimmunoassay technique as well as others more reliable and accurate. Whether our observations of prostaglandin content changes can be extrapolated to all areas of the brain is uncertain. They suggest that the rapid increase in brain temperature during microwave irradiation alters post-mortem biosynthesis of these compounds. Further studies are required to clarify the above problem.

- 1 Z.M.P. was the recipient of International Research Fellowship No. F05 TW 02376 awarded by the National Institute of Health, Bethesda, Md.
- 2 P.D. Lambert, R.C. Nealeigh and M. Wilson, *J. Microwave Power* 7, 367 (1972).
- 3 E. Bosisio, C. Galli, G. Galli, S. Niciosia, C. Spagnuolo and L. Tosi, *Prostaglandins* 11, 773 (1976).
- 4 A. Guidotti, D.L. Cheney, M. Trabucchi, M. Doteuchi,

- C. Wang and R.A. Hawkins, *Neuropharmacology* 13, 1115 (1974).
- 5 B. McL. Breckenridge, *Proc. natl Acad. Sci. USA* 52, 1580 (1969).
- 6 F. Dray, B. Charbonnel and J. Maclouf, *Eur. J. clin. Invest.* 5, 311 (1975).
- 7 S.S. Pong and L. Levine, in: *Prostaglandins*, p.41. Ed. P.W. Ramwell. Plenum Press, New York 1977.

CONGRESSUS

Romania

2nd international conference on water and ions in biological systems

Bucharest, 6-11 September 1982

This conference is organized by the UNESCO and the Romanian Biophysiological Society. The aim of the conference is to promote interdisciplinary research on biophysics, biochemistry, and biology, for a better understanding of the basic processes in living systems. The program includes symposia, plenary lectures and poster sessions.

For further information please contact: Prof. V. Vasilescu, President of the Romanian Biophysical Society, c/o Union of Medical Societies, str. Progresului no. 10, R-70754 Bucharest, Romania.

Austria

13th international congress of chemotherapy

Vienna, 28 August-2 September 1983

The scientific program of this congress to be held at the Kongresszentrum-Hofburg in Vienna will consist of main lectures, symposia, round table sessions and free papers with posters, and will include antimicrobial as well as anticancer topics. Further information, also concerning deadlines, etc., through the Secretariat of the 13th Int. Congress of Chemotherapy, or through Prof. K. Karrer, Institute for Cancer Research, University of Vienna, Borschkegasse 8a, A-1090 Vienna/Austria.

Instructions to authors

Experientia is published on the 15th of every month and can be obtained in any country through booksellers or from the publishers. All communications to the editors should be addressed to the publishers. All manuscripts for publication in a given number must be in the hands of the editors 3 months before publication.

Articles of general scientific interest, of interdisciplinary character: briefly stated and hitherto unpublished original reports of sufficient novelty value. In no case will papers of preliminary nature be accepted.

Experiments Papers in which animal experiments have been conducted without using the appropriate anaesthesia will not be accepted.

Manuscripts (including all figures and tables) must be submitted in English and in triplicate.

Text should not exceed 2-3 typewritten pages (50-60 lines). 1-2 relevant figures or tables. Summary of maximum 4 lines. Abbreviations should be properly explained. References should be numbered consecutively and be presented on a separate page. Name and address have to be placed directly under the title. Linguistically inadequate manuscripts will be returned. Footnotes should be avoided.

Figures Illustrations should be separate from the text, with the author's name on the back in soft pencil. The desired labelling should be shown on a second set of figures, which will be used as a

model for inscriptions. Drawings for reproductions should be on good paper in Indian ink. photographs should be supplied as glossy positive prints. The illustrations should be at least one and a half times as large as the definitive size desired. Over-large figures can be easily damaged in the mail. Captions should be selfexplanatory, without reference to the text.

Tables should be provided with a title and with selfexplanatory captions.

Headings In submitting their manuscript to *Experientia*, authors are requested to indicate one of the headings mentioned below, under which they would wish to place their short communication:

1. Mathematics and Physics; 2. Cosmology, Astronautics, Cosmonautics; 3. Mineralogy, Geophysics, Oceanography; 4. Inorganic and Physical Chemistry; 5. Organic Chemistry; 6. Biophysics; 7. Molecular Biology, Cellular Biology; 8. Genetics; 9. Botany; 10. Zoology; 11. Ecology; 12. Biochemistry (analytic and synthetic); 13. Biochemistry (Enzymes, Metabolism); 14. Physiology; 15. Neurology; 16. Pharmacology, Toxicology, Pathology; 17. Experimental Gerontology; 18. Anatomy, Histology, Cytology, Histochemistry; 19. Embryology; 20. Endocrinology; 21. Circulation, Cardiology, Angiology; 22. Nutrition, Gastroenterology; 23. Hematology, Serology; 24. Immunology, Allergy; 25. Microbiology, Parasitology, Chemical Therapeutics; 26. Oncology, Carcinology, Cytostatics; 27. Radiology.

Reprints The authors receive 50 reprints, without cover, free of charge. Price-list for further reprints is available.