

BIOLOGY OF THE CHLORIDE CELL: JEAN MAETZ MEMORIAL SYMPOSIUM

In March 1980 a special issue of the *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology* will be devoted to articles derived from a symposium on the "Biology of the Chloride Cell," which was held to honor the late Jean Maetz. The publication of an entire symposium in a single issue is a new venture for the *American Journal of Physiology*. It is another example of the flexibility that is possible since the journals of the Society were reorganized.

The symposium focused on the integration of research information applicable toward understanding the function of the chloride cell, an acidophilic cell found in the gill epithelium and held to be the specific excretory (or secretory) unit responsible for the osmotic and ionic regulation of fish gills. The publication is divided into four sections on the anatomy, ultrastructure, physiology, and biochemistry of the chloride cell. Contributors to this special issue are P. Laurent, S. Dunel, F. E. Hossler, N. Naito, H. Ishikawa, C. W. Philpott, K. J. Karnacky, Jr., S. R. Hootman, C. Sardet, M. Pisarn, J. Maetz, L. B. Kirschner, D. H. Evans, K. J. Degnan, J. A. Zadunaisky, M. S. Haswell, D. J. Randall, S. F. Perry, F. H. Epstein, P. Silva, G. Kormanik, M. Bornancin, G. de Renzis, R. Naon, J. P. Girard, P. Payan, and F. Conte.

The symposium was organized by Frank P. Conte; Bodil Schmidt-Nielsen served as symposium editor. The symposium was sponsored in part by the Commissariat a l'Energie Atomique Department de Biologie (France), the American Physiological Society, and the National Science Foundation (Grant PCM78-19027).

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