## Density Gradient Sedimentation to Equilibrium and Electron Microscopic Studies on Nuclear, Mitochondrial and Cytoplasmic-Nonmitochondrial DNA from Duck

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Nuclear DNA was prepared from erythroid cells and liver of ducks and purified on $Cs_2SO_4$-urea gradients. From the postmitochondrial supernatants of lysed erythroid cells the cytoplasmic DNA was also purified as described before (Modak et al., Eur. J. Biochem., 1975). DNA was extracted from duck liver mitochondria and the supercoiled form was purified on ethidium bromide-CsCl gradients. Samples along with the density-marker DNA from *Micrococcus luteus* were centrifuged to equilibrium in a Beckman model E analytical centrifuge. Both nuclear and cytoplasmic-nonmitochondrial DNA contain the same density classes with a main band of density 1.694. On the other hand, the mitochondrial DNA forms a single band at density 1.707. – Electron microscopic observation on the DNA spreads prepared by the aqueous Kleinschmidt monolayer technique showed that both nuclear and cytoplasmic-nonmitochondrial DNAs are linear forms. In case of mitochondrial DNA, 67% molecules were found to be supercoiled and the rest as relaxed circles. – From these studies we conclude that DNA isolated from nuclei and cytoplasmic postmitochondrial supernatant are different from the mitochondrial DNA.

## CONGRESSUS

### Belgium

### The 5th European Drosophila Research Conference

*in Louvain-La-Neuve, 6–8 September 1976*

This Conference will be held at the University of Louvain. Further information by: Prof. F. A. Lints, Laboratoire de Génétique, Université de Louvain, Place Croix-du-Sud 2, B-1348 Louvain-La-Neuve, Belgium.

### France

### 17th International Congress of Physiological Sciences

*in Paris, 18–23 July 1977*

The first two days will be devoted to general lectures and during the last four days specialized meetings will take place. Further information can be obtained from the National Physiological Society of each country or by writing to the Congress Secretary: Prof. J. Scheerer, Secrétariat du 17. Congrès Int. des Sciences Physiologiques, U. E. R. Pitié-Salpêtrière, Cedex 1300, F–75300 Paris-Brune, France.

### Federal Republic of Germany

### 6th International Colour Symposium

*in Freudenstadt (Black Forest), 27 September to 1 October 1976*

Nine main lectures and 28 discussion papers will be presented. The final programme may be asked for from the Gesellschaft Deutscher Chemiker, Secretariat, P. O. Box 90 04 40, D–6000 Frankfurt am Main 90, Federal Republic of Germany.

### Canada

### Third International Symposium on Pharmacology of Thermoregulation

*in Banff, 14–17 September 1976*

The Symposium will be held at the Banff Centre and further details about registration may be obtained by the organizers: Prof. K. E. Cooper, Division of Medical Physiology, Faculty of Medicine, The University of Calgary, Calgary, Alberta, Canada T2N 1N4; or by Prof. P. Lomax, Department of Pharmacology, UCLA School of Medicine, Los Angeles, California 90024, USA; or by Prof. E. Schönbaum, Peelkensweg 4, 4274 Venhorst N. Br., The Netherlands.

### France
### 29th International Meeting on Electrical Phenomena at Membrane Level

*in Saclay, 12–15 October 1976*

The main topics are: 1. Bioenergetical study of coupling mechanisms. 2. Electrical phenomena at exitable membrane level. The scientific program and registration information will be available by: Dr. C. Troyanowsky, General Secretary, Société de Chimie physique, 10, rue Vauquelin, F–75231 Paris Cedex 05, France.

### Ruzicka-Preis 1976

Aus dem Fonds für den Ruzicka-Preis wird alljährlich einem jungen Forscher für eine hervorragende veröffentlichte Arbeit auf dem Gebiete der allgemeinen Chemie, die entweder in der Schweiz oder von Schweizern im Ausland ausgeführt wurde, ein Preis erteilt. Kandidatenvorschläge können bis spätestens 15. Juli 1976 dem Präsidenten des Schweizerischen Schulrates, Rämistrasse 101, 8006 Zürich, unterbreitet werden.