

First International Congress of Quantum Chemistry July 4-10, 1973 - Menton, France

On the occasion of the 50th anniversary of the discovery of wave mechanics the International Academy of Quantum Molecular Sciences is organizing an International Congress designed to bring together specialists of all areas of Quantum Chemistry, including those interested in its application in physics, biology, pharmacology, and industry. This congress will be held from July 4th to 10th, 1973 in the Palais de L'Europe, at Menton (France).

The Scientific Committee of the congress is constituted by the members of the Academy: Mme A. Pullman*, and MM. S. F. Boys, L. De Broglie (Nobel Prize), C. A. Coulson*, R. Daudel*, H. Eyring, K. Fukui*, J. O. Hirschfelder*, W. Heitler, E. Huckel, F. Hund, M. Karplus, M. Kotani, J. Koutecký*, H. C. Longuet-Higgins, P. O. Lowdin*, H. M. Mc Connell, R. S. Mulliken (Nobel Prize), R. G. Parr*, L. Pauling (Nobel Prize), R. Pauncz*, J. A. Pople*, B. Pullman*, C. C. J. Roothaan, E. Scrocco*, J. C. Slater, J. H. van Vleck and B. Wilson. The names followed by an asterisk form the Organizing Committee.

The Executive Committee is composed of the French members of the Organizing Committee. The mornings will be devoted to symposia. These will consist of general presentations followed by large discussions. The following subjects have been chosen:

- I. Methods in quantum chemistry.
- II. Electronic structures and conformation of molecules.
- III. General theory of chemical reactivity.
- IV. Formation and evolution of molecular excited states.
- V. Effect of environment on the behavior of molecules.

The afternoons will be reserved for work in sections where the participants will be able to present communications. The following topics are being considered.

1. Methods in quantum chemistry — Use of computers.
2. Atomic and molecular spectroscopy.
3. Electronic structures and properties of chemical species (inorganic, organic, and coordination chemistry).
4. Chemical reactions. Collisions. Reaction paths. Chemical Equilibrium. Catalysis. Application of Quantum Chemistry in Industry.
5. Excitation and relaxation processes. Photochemical reactions. Mass spectroscopy.
6. Quantum Biochemistry and Quantum Pharmacology.
7. Intermolecular forces, role of environment (solvent, lattice, matrix).
8. Quantum chemistry and its relationships with the physics of liquids and solids.

Registration fee for participation in the Congress is 50 dollars. A brochure giving precise details on the organization of the Symposia, the closing date for registration, and the procedure for submitting communications will be sent to individuals requesting it from Madame Escuille, C.M.O.A., 23, rue du Maroc, Paris 19e (France), before March 31, 1972.

Executive Committee

R. Daudel A. Pullman B. Pullman