

COMMISSION 7: CELESTIAL MECHANICS (MÉCANIQUE CÉLESTE)

Report of Meetings, 21 and 24 August 1973

PRESIDENT: G. N. Duboshin.

SECRETARY: S. Ferraz-Mello.

First Meeting

CHAIRMAN: V. Szebehely.

The meeting was scheduled as Administrative Session. The Commission discussed the proposal of creating a new IAU Commission on Astrodynamics. Since only 5 members of the Commission were present, no decision was taken and the Administrative Session adjourned.

Second Meeting

Scientific Reports

CHAIRMAN: G. N. Duboshin.

Speakers: G. N. Duboshin, 'The Lagrangian Solutions of the Three-Rigid-Bodies Problem'.

V. Szebehely, 'Recent Results in the Stellar Dynamical 3-Body Problem'.

S. Ferraz-Mello, 'Comparison Between Numerical Integrations and Analytical Theories for the Earth Shadowing Effects on Artificial Satellites'.

Third Meeting

Administrative Session

CHAIRMAN: G. N. Duboshin.

The Commission appointed the Organizing Committee for the next three years: Message (President), Szebehely (Vice-President), Aksenov, Duboshin, Brumberg, Davis, Deprit, Giacaglia, Hori, Kozai, Morando and Sehnal.

The Commission decided to create a Working Group on the Motion of Artificial Celestial Bodies, to be organized by Y. Kozai and under his chairmanship, instead of proposing a new IAU Commission on Astrodynamics.

The Commission elected Bec, Candy, Counselman, Demin, Everhart, Grebenikov, Jupp, Møller, Nahon, O'Handley, Sagnier, Shteins, Soultanov, Standish, Tapley and Tatevyan as new members of the Commission.