tion Probabilities of Molecular Band Systems, XVII. Tabulated Klein-Dunham Potential Energy Functions for Fifteen states of N_2 N^+_2, NO, O_2, C_2 and OH, W. R. Jarmain, le 1er juillet, 1960. 3. Transition Probabilities of Molecular Band Systems, XVIII. Franck-Condon Factors to High Vibrational Quantum Numbers I: N_2 and N^+_2, R. W. Nicholls, le 15 mai, 1961. 4. Transition probabilities of Molecular Band Systems, XIX. Franck-Condon Factors to High Vibrational Quantum Numbers II: SiO, MgO, SrO, AlO, VO, NO, R. W. Nicholls, le 15 mai, 1961. 1.5 Contrats AF 19(604)-4560, Nonr-2895/00 and Grant No. AF-AFOSR-61-88: 1. Transition Probabilities of Molecular Band Systems, XX. Tabulated Klein-Dunham Potential Energy Functions for Ten States of C_2(4) O_2(2) OH(2) and SiO(2), W. R. Jarmain, le 1er juillet, 1961. 2. Transition Probabilities of Molecular Band Systems, XXII: Franck-Condon factors to High Vibrational Equation, W. R. Jarmain, le 15 novembre 1961. 3. Transition Probabilities of Molecular Band Systems, XXII: Franck-Condon Factors to High Vibrational Quantum Numbers III: Vacuum Ultra-Violet Transitions, R. W. Nicholls, le 1er juin 1962. 4. Rapport final, Contrat AF 19(604)-1718, AF 19(604)-4560, R. W. Nicholls, le 1er juin 1962. 1.6 Contrat AF 19(628)-2820:1. Rapport final contrat AF 19(628)-2820, «Research Directed towards studies of processes of excitation and radiation from atoms and molecules of the upper atmosphere», R. W. Nicholls, le 3 mai 1964. 1.7 Contrat AF 19(628)-4169: 1. Rapport final, contrat AF 19(628)-4169, «Research Directed towards the study of Electronic structure, band intensities and modes of excitation of molecular species, R. W. Nicholls, 1965. 1.7 Contrat AF 19(628)-4169: 1. Rapport final, contrat AF 19(628)-4169 «Research Directed towards the study of Electronic species, intensities and modes of excitation of molecular species, R. W. Nicholls, le 3 mai 1965.

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