

*Second Positive Band Systems, Canadian Journal of Physics* 32, 201-204, 1954, W. R. Jarman et R. W. Nicholls. Vibrational Transition Probabilities of Diatomic Molecules: I, Mémoires de la Société de Physique, A 66, 1145-1151, 1953, P. A. Fraser et W. R. Jarman. Vibrational Transition Probabilities of Diatomic Molecules: II, Mémoires de la Société de Physique, A 66, 1153-1157, 1953, W. R. Jarman et P. A. Fraser. Vibrational Transition Probabilities of Diatomic Molecules: III, Mémoires de la Société de Physique, A 67, 939-941, 1954, P. A. Fraser. Vibrational Transition Probabilities of Diatomic Molecules: Collected Results  $N_2$ ,  $N_2^+$ ,  $NO$ ,  $O_2^+$ , The Astrophysical Journal 118, 228-233, 1953, W. R. Jarman, P. A. Fraser et R. W. Nicholls. Vibrational Transition Probabilities of Diatomic Molecules: Collected Results II,  $N_2^+$ ,  $CN$ ,  $C_2$ ,  $O_2$ ,  $TiO$ , The Astrophysical Journal 119, 286-290, 1954, P. A. Fraser, W. R. Jarman et R. W. Nicholls. Vibrational Transition Probabilities of Diatomic Molecules: Collected Results III,  $N_2$ ,  $NO$ ,  $O_2$ ,  $O_2^+$ ,  $OH$ ,  $CO$ ,  $CO^+$ , Astrophysical Journal 122, 55-61, 1955, W. R. Jarman, P. A. Fraser et R. W. Nicholls. Vibrational Transition Probabilities of Diatomic Molecules: Collected Results IV,  $BeO$ ,  $BO$ ,  $CH^+$ ,  $CO$ ,  $NO$ ,  $SH$ ,  $O_2$ ,  $O_2^+$ , Astrophysical Journal 131, 399-406, 1960, R. W. Nicholls, P. A. Fraser, W. R. Jarman et R. P. McEachran. Franck-Condon Factors  $q_{v'v''}$  of Molecular Band Systems and Their Interpolation Journal of Chemical Physics 24, 1104-1106, 1956, R. W. Nicholls. Transition Probability Parameters of Molecular Spectra Arising From Combustion Processes, Combustion and Flame Vol. 3, 13-38, 1959, R. W. Nicholls, P. A. Fraser et W. R. Jarman. r-Centroids for Diatomic Molecules, Journal of Chemical Physics 23, 1561, 1955, R. W. Nicholls et W. R. Jarman. r-Centroids: Average Internuclear Separations Associated with Molecular Bands, Mémoires de la Société de Physique A 69, 253-264, 1956, R. W. Nicholls et W. R. Jarman. r-Centroids for the  $O_2^+$  Second Negative,  $N_2$  Lyman-Birge-Hopfield and  $N_2$  Vegard-Kaplan Band Systems, Mémoires de la Société de Physique, A 69, 713-715, 1956, R. W. Nicholls, D. Robinson, W. Parkinson et W. R. Jarman, Relative Vibrational Transition Probabilities and r-Centroids for the Meinel ( $A^2II-X^2\Sigma$ ) Band System of  $N_2^+$ , Journal of Atmospheric and Terrestrial Physics 12, 211-214, 1958, R. W. Nicholls. On r-Centroids of Molecular Transitions, Equilibrium Internuclear Separation and Oscillator Turning Points, Mémoires de la Société de Physique 74, 133-136, 1959, R. W. Nicholls et W. R. Jarman. Franck-Condon Factors and r-Centroids for Some Bands of the CO Fourth Positive ( $A^2II-X^1\Sigma$ ) Band System, Canadian Journal of Physics 38, 510-512, 1960, W. R. Jarman, R. Ebisuzaki et R. W. Nicholls. Franck-Condon Factors and r-Centroids for Some Bands of the SiO  $A^1-X^1II-X^1\Sigma^+$  Band System, Canadian Journal of Physics 39, 1215-1216, 1961, A. T. McGregor, R. W. Nicholls et W. R. Jarman. Franck-Condon Factor ( $q_{v'v''}$ ) Arrays to High Vibrational Quantum Numbers for the  $O_2$  ( $B^3\Sigma-X^3\Sigma^+$ ) Schumann-Runge Band System, Canadian Journal of Physics 38, 1705-1711, 1960, R. W. Nicholls. Franck-Condon Factors to High Vibrational Quantum Numbers I:  $N_2$  and  $N_2^+$ , Journal of Research du National Bureau of Standards 65A, 451-460, 1961, R. W. Nicholls. Franck-Condon Factors to High Vibrational Quantum Numbers II: SiO, MgO, SrO, AlO, VO, NO, Journal of Research du National Bureau of Standards 66A, 227-231, 1962, R. W. Nicholls. Condon Parabolae in Molecular Spectra, Nature 193, 966-967, 1962, R. W. Nicholls. Franck-Condon Factors et r-Centroids to High Quantum Numbers for Bands of the  $^3II_g-A^2II_u$  System of  $N_2^+$ , Canadian Journal of Physics 40, 523-527, 1962, R. W. Nicholls. Franck-Condon Factors et r-Centroids to High Vibrational Quantum Numbers for Three Band Systems of  $CO^+$  and