

BAND SPECTRA  
AND  
MOLECULAR STRUCTURE

R. DE L. KRONIG, PH.D.

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# Band Spectra Molecular Structure

**Lei Huang**



## **Band Spectra Molecular Structure:**

Band Spectra and Molecular Structure Ralph Kronig, 1930      **Band Spectra and Molecular Structure** Ralph de Laer Kronig, 1930      **Band Spectra and Molecular Structure** R. De L. Kronig, 1986      **Band Spectra and Molecular Structure** Ralph de Laer Kronig, Cambridge University Press, 2003-03      *Band Spectra and Molecular Structure* Ralph Kronig,      **Molecular Spectra and Molecular Structure** Gerhard Herzberg, Klaus-Peter Huber, John William Tranter Spinks, 1979-12-31 Since the publication in 1950 of Vol I Spectra of Diatomic Molecules of Molecular Spectra and Molecular Structure much progress has been made in the field While there have been some important refinements in the theory of diatomic molecular spectra most of the advances have been in the further exploration of individual spectra Not only has the number of molecules about which some spectroscopic data are available been increased by a factor of 2 to 3 but also the spectroscopic information about the molecules known in 1950 has been vastly extended This is due to the observation of new electronic states about three times as many as known before the enormous improvements in the accuracy of the constants of the states known in 1950 and the determination of higher order constants In view of the increasing use of spectroscopic information on diatomic molecules in other fields of physics in chemistry and in astrophysics it appeared desirable to prepare an up to date version of the table of molecular constants in the appendix of Vol I This updating proved to be far more time consuming than originally anticipated and it is only now 10 years that we are able to present such a table which instead after its initiation of the original 80 pages plus 30 pages of bibliography now fills a volume of 700 pages In the interest of economy and unlike the original version the new table has been produced by photo offset from the final manuscript      **Thesaurus of Engineering and Scientific Terms** Engineers Joint Council, 1967      **Physical Review** , 1927 Vols for 1903 include Proceedings of the American Physical Society      **The Physical Review Supplement** , 1929      *Journal of the Chemical Society* Chemical Society (Great Britain), 1925 Titles of chemical papers in British and foreign journals included in Quarterly journal v 1 12      **Proceedings of the Royal Society of London** Royal Society (Great Britain), 1930 Publishes research papers in the mathematical and physical sciences Continued by Proceedings Mathematical and physical sciences and Proceedings Mathematical physical and engineering sciences      *Reviews of Modern Physics* , 1929 Provides overviews of major areas of physics research aimed at both specialists in those areas and those outside the field who would like to learn more      **Science Abstracts** , 1920      *British Abstracts* , 1929      *Report of the President and Financial Statement of the Honorary Advisory Council for Scientific and Industrial Research for the Year Ending March 31 ...* Canada. Honorary Advisory Council for Scientific and Industrial Research, 1927      *Report of the Administrative Chairman of the Honorary Advisory Council for Scientific and Industrial Research of Canada for the Year Ending March 31 ...* Canada. Honorary Advisory Council for Scientific and Industrial Research, 1918      **Report of the President and Financial Statement - National Research Council** National Research Council Canada, 1926      *Annual Report* National Research Council of

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