

- d.* Number of Reactions.
- e.* Variety of Reactions.
- f.* Complexity of Reactions.
- g.* The Evenness and Lack of Energy Change of the Process of Hydrolytic Cleavage.
- h.* The Chemical Relationship of Carbonic Acid and Water to the Sugars.
- i.* Instability of the Sugars.
- j.* Variety and Reactions of the Sugars.
- k.* Heats of Reaction in Organic Chemistry.
- l.* The Number and Variety of Compounds and Reactions of Oxygen with Other Elements.
- m.* The Number and Variety of Compounds and Reactions of Hydrogen with Other Elements.

All the properties or other phenomena noted in the above table (except II *f*, and II *h*) are in character or in magnitude either unique or nearly so, and are in their effect favorable to the organism as defined in the fundamental postulates. Indeed, they constitute or bring about an extraordinary set of conditions favorable to life, — ubiquity, abundance, variety, stability, mobility, constancy of composition, and invariance of physico-chemical con-