

Resonance, and the Inhibition of

SECTION I: EMPIRICAL RELATIONSHIPS ⁱ

The correlations are satisfactory.ⁱⁱ

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The correlations are satisfactory.

The correlations are satisfactory.

Inhibition of resonance ⁱⁱⁱ

I was the only...

Many seeds and spores require a long time for germination.^{iv}

[...] should also show the difference between...inductive and direct resonance interactions for those groups that are subject to...inhibition of resonance.

I am the first...

CHAPTER 2: SYNTHESSES ^v

Although the preparation of 9-fluoroanthracene has been investigated to a limited extent, the reports concerning the synthesis of its 10-substituted derivations are almost totally nonexistent. The preparation of 9-fluoroanthracene by reaction of anthracene with *para* idotoluene difluoride in chloroform has been reported. However, more recent attempts to repeat this work have been unsuccessful. The preparation of 9-fluoroanthracene from 9-aminoanthracene by means of the Schiemann reaction reportedly is not possible. The reaction of sulfur tetrafluoride with anthrone does not give 9-aminoanthracene, but instead gives 10, 10difluoroanthrone which results from the replacement of two methylene hydrogens by fluorine. 9-Fluoroanthracene has been successfully prepared in a reaction of 9-anthryllithium with perchloryl fluoride. The presence of anthracene the reaction mixture indicated that some reduction occurred. ^{vi}

I am the only...

The limiting factor to growth...^{vii}

I was the first...

The value [...] has been questioned by many.^{viii}

These authors achieved a degree of success^{ix}

The acidity of the hypocotyl develops very slowly and little water is absorbed in the early stages of after-ripening. It was thought that absence of free acids might be the limiting factor to growth.^x

SECTION III: THE NEED FOR NEW WORK ^{xi}

The resonance effect is defined as that influence due to the interaction of substituents containing orbitals of [...] symmetry with the [...] system. ^{xii}

I was the first.

A certain degree of acidity seems to be necessary... before germination of *Crataegus* seeds. ^{xiii}

List of Tables

the relationship may be somehow different than the relationship controlling reactivity. ^{xiv}

I will be the only.

Acknowledgements

It will be seen that the metabolism of the fats does not begin until the acidity has reached a certain amount, the water content has increased greatly, and ... ^{xv}

its power to attract or repel...through space and through...bonds ^{xvi}

... and the enzymes are set free. ^{xvii}

I am the first.

Table V

Several empirical relations have been proposed to account for the influence of a remote substituent on the chemical shift of the fluorine atom. ^{xviii}

I was the only.

Result of Microchemical Tests

The resonance effect is defined as that influence due to the interaction of substituents containing orbitals of [...] symmetry with the [...] system. ^{xix}

I will be the first.

I was the only.

SUMMARY: CONDITION OF THE EMBRYO IN DRY STORAGE

There is a series of metabolic changes in the embryo during the period of after-ripening.

The initial change seems to be increased acidity.

Correlated with this is increased [...] power, and an increase in [...] activity.^{xx}

There is some evidence that it is causal.

I felt coming from where I came from that it was almost impossible for me to get the kind of training that I had gotten. [...]

I used to tell them that I squeezed through the wire mesh fence.^{xxi}

[I am the first. I was the only. I was the first. I am the only. I was the first. I was the only. I am the first. I am the only. I was the first. I am the only. I am the first. I was the only.] [*first only first only*]

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- ⁱ GLA
 - ⁱⁱ GLA
 - ⁱⁱⁱ GLA
 - ^{iv} SHE
 - ^v GLA
 - ^{vi} GLA
 - ^{vii} SHE
 - ^{viii} SHE
 - ^{ix} GLA
 - ^x SHE
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 - ^{xiv} GLA
 - ^{xv} SHE
 - ^{xvi} GLA
 - ^{xvii} SHE
 - ^{xviii} GLA
 - ^{xix} GLA
 - ^{xx} SHE
 - ^{xxi} GLA, Oral History interview, p 26