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### Interesting Errors in Sulfur Chemistry, 10

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## INTERESTING ERRORS IN SULFUR CHEMISTRY, 10

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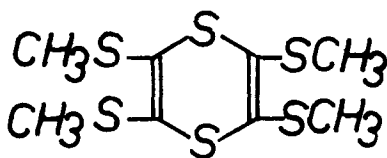
### METHYLATION OF TETRATHIOOXALATE<sup>1</sup>

More than ten years ago Wawzonek and Heilmann<sup>2</sup> presumed 2,3,5,6-tetrakis(methylthio)-1,4-dithiin **1** as a side product of the electrochemical reduction of CS<sub>2</sub>, followed by methylation. The results were verified by Lodmell *et al.*<sup>3</sup> by isolation of identical products.

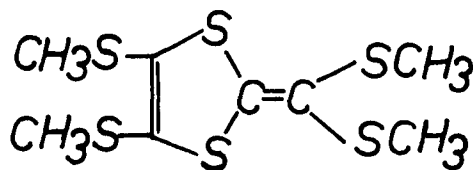
Among other products a compound of supposed structure **1** was isolated from a complex reaction mixture, obtained by Jeroschewski and Hansen<sup>4</sup> by methylation of tetramethylammonium tetrathiooxalate<sup>5</sup>.

Lund *et al.*<sup>6</sup> could show that the methylation mixture of tetrathiooxalate contains a compound, identical with the compound isolated by Jeroschewski<sup>4</sup> and confirmed by X-ray and <sup>13</sup>C NMR as 4,5-bis(methylthio)-2-[bis(methylthio)methylene]-1,3-dithiole **2**.

Previously **2** was obtained<sup>7</sup> from dimethyl tetrathiooxalate and triphenylphosphine.



**1**



4,5-bis(methylthio)-2-[bis(methylthio)-  
methylene]-1,3-dithiole  
CA Registry Number [78954-46-8]

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