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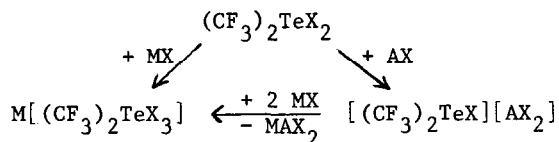
## PREPARATION AND PROPERTIES OF TRIFLUOROMETHYL TELLURIUM COMPOUNDS, PART II

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The reactions of bis(trifluoromethyl)tellurium and bis(trifluoromethyl)tellurium dihalides with Lewis acids and bases are reported.

Bis(trifluoromethyl)tellurium dihalides react with Lewis acids AX and Lewis bases MX to yield the corresponding salts, as shown in the following scheme:



AsF<sub>5</sub> oxidizes (CF<sub>3</sub>)<sub>2</sub>Te in a first step to (CF<sub>3</sub>)<sub>2</sub>TeF<sub>2</sub>, which in a second step reacts with an excess of AsF<sub>5</sub> to form the salt [(CF<sub>3</sub>)<sub>2</sub>TeF][AsF<sub>6</sub>]. The reactions of (CF<sub>3</sub>)<sub>2</sub>Te with alkali halides yield 1:1 complexes.

The chemical properties as well as the <sup>19</sup>F n.m.r., the Raman and the IR spectra of the new compounds will be described and compared with the corresponding iodine compounds.