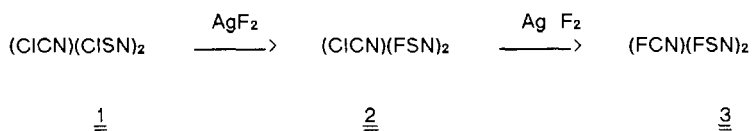


TRIFLUORO-DITHIATRIAZINE

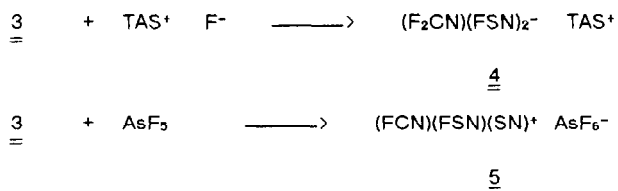
S.J. Chen und R. Mews

Institut für Anorganische und Physikalische Chemie der Universität Bremen,
 Leobener Straße NW2, DW-2800 Bremen 33 (F.R.G.)

The missing link in the series $(\text{FCN})_n(\text{FSN})_{3-n}$ ($n=0-3$), the dithiatriazine $(\text{FCN})(\text{FSN})_2$, was prepared from the novel trichloride $(\text{ClCN})(\text{ClSN})_2$ (1) and AgF_2 :



Thiatriazines act as well as fluoride ion donors as acceptors, e.g.



$\text{TAS}^+ \text{ F}^-$ destroys the triathiatriazine ring system of $(\text{NSF})_3$, AsF_5 reacts with $(\text{FCN})_3$ to give a stable, nitrogen-bonded adduct.

The new compounds were characterized by NMR- and IR-spectroscopy. The structures and bonding in these systems will be discussed.