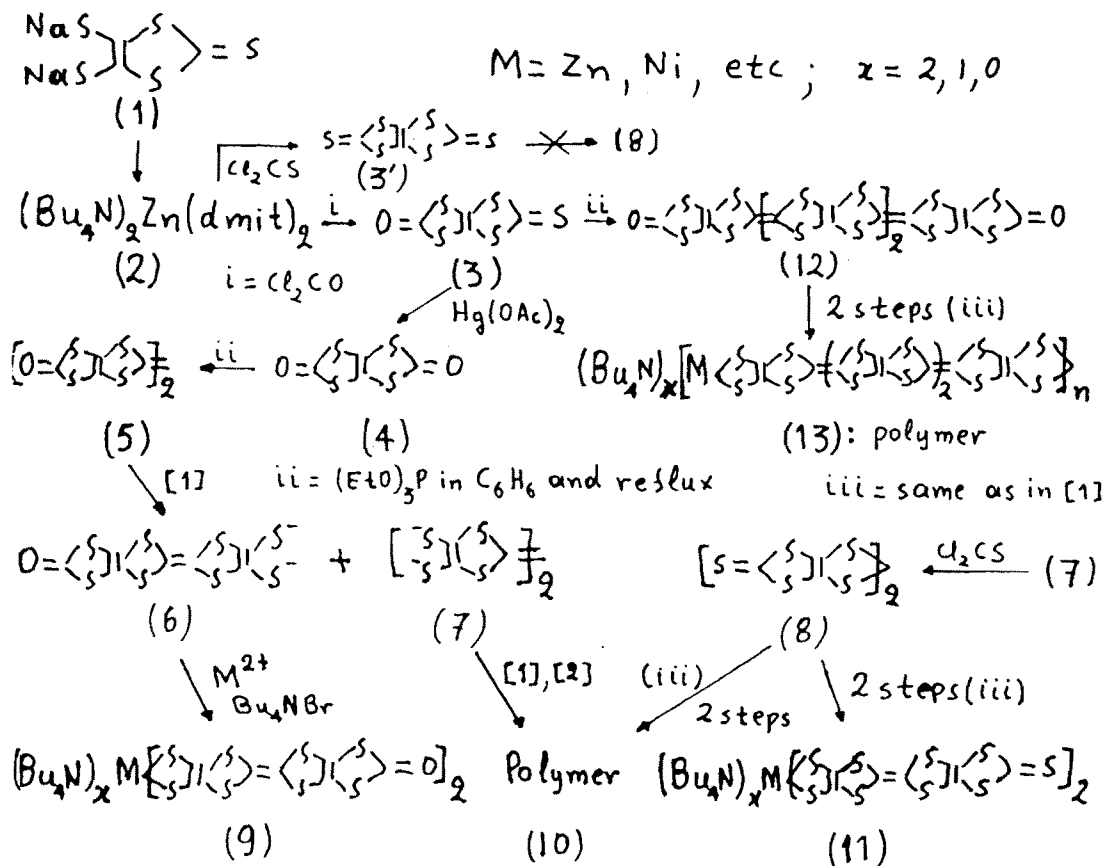


SOME NEW METAL-1,2-DITHIOLENE COMPLEXES

G.C.Papavassiliou, J.S.Zambounis, and G.A.Mousdis
Theor.Phys.Chem.Institute, NHRF, 48, Vassileos
Constantinou Ave., Athens 116/35, Greece

A number of 1,2-dithiolene complexes of transition metals Zn, Ni, etc were prepared according to the following scheme (see [1]- [3] and references therein):



The O.A. spectra of (9) and (11) (x=2) showed a strong band at 710nm.

The compounds (9), (11), (13) with M=Ni and x<<1 were found to be semiconductors as (Bu₄N)_xNi(dmit)₂ [3] and (10) [1], [2].

[1]. R.R.Schumaker and E.M.Engler, JACS 102,6652(1980); 99,

551(1977);N.M.Rivera et al,J.C.S.,Chem.Commun.184(1979).

[2]. E.M.Engler et al, Mol.Cryst.Liq.Cryst.107,19(1984).

[3].G.C.Papavassiliou et al, Physica BC, in press.

