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ORGANIC CONDUCTORS. SUBSTITUTED TETRASELENAFULVALENES 
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AND ANALOGOUS COMPOUNDS

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Abstract. — Some recent chemical and physical results obtained on organic conductors derived 
from Tetramethyltetraselenafulvalene (TMTSF) and Hexamethylenetetraselenafulvalene (HMTSF) 
and various acceptors derived from TCNQ will be presented, and an attempt to correlate molecular 
structure, crystal structure and physical characteristics will be made.

Additionally, results obtained on allowing HMTSF-TCNQ, the first organic conductor which 
retains metallic-like properties to very low temperature are presented, as well as conductivity, struc-
tural and optical results of a new system HMTSF-TNAP. HMTSF-TNAP like HMTSF-TCNQ 
is metallic-like at low temperature.