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DELAYED FLUORESCENCE IN CYANINE DYES.
[1963] 13p. 26 refs.
Order from SLA \$1.60

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Trans. of Zeitschrift für Elektrochemie (West
Germany) 1962, v. 66, p. 462-466.

DESCRIPTORS: *Dyes, *Fluorescence, *Luminescence,
Atomic Atomic energy levels, Absorption spectrum,
Excitation, Electrochemistry.

Polymethinecyanines display a delayed fluorescence at
low temperature when dissolved in alcohol-glass.
This fluorescence cannot be understood as a high-
temperature phosphorescence. It is interpreted as a
recombination luminescence caused by retrapping of
electrons which have been released from the dye ions
by relatively long-wavelength radiant energy and which
have been trapped temporarily in electron traps of the
(Chemistry--Physical, TT. v. 10, no. 11) (over)

1. Title: Cyanine dyes
2. Title: Polymethine
cyanines
- I. Kern, J.
- II. Dörr, F.
- III. Scheibe, G.

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