

This is a scanned copy of an original document

The scanned copy was OCR'ed with ABBYYFineReader v 9.0 and then saved as a pdf document using the recognized text and images.

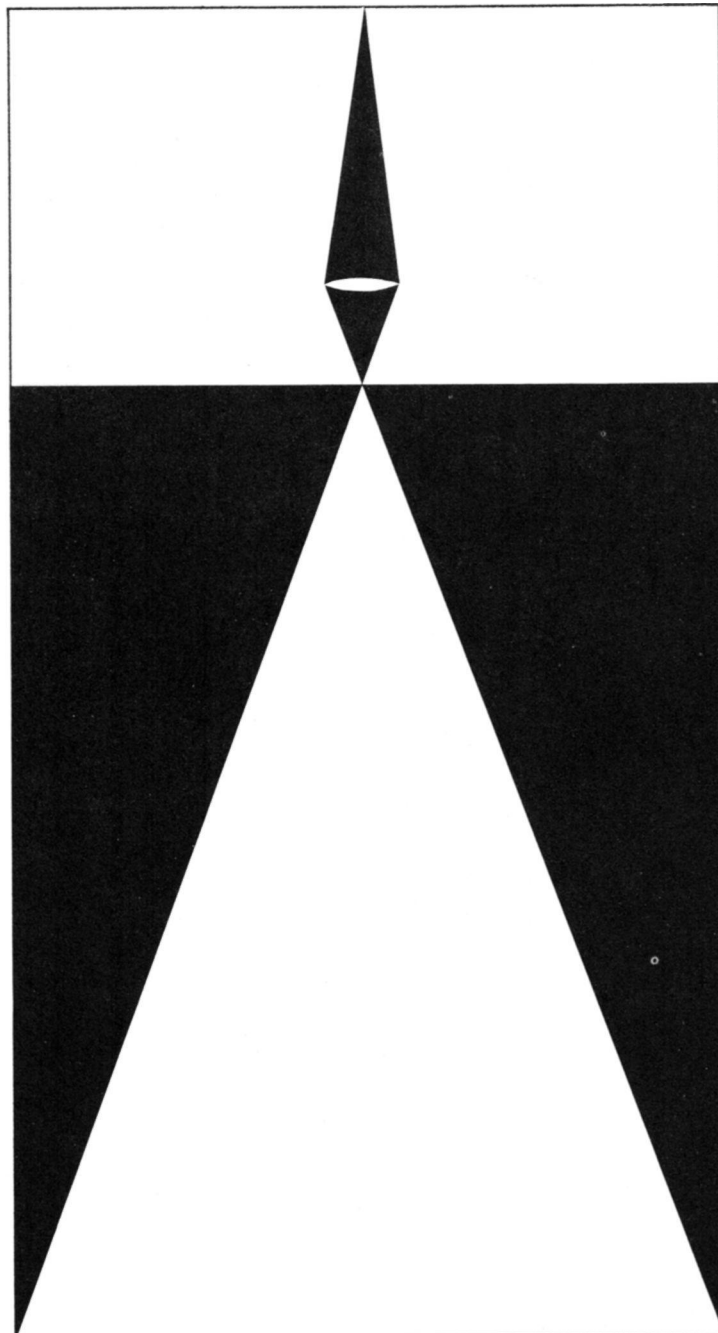
All unrecognized text was corrected and all uncertain characters reviewed, none the less, there can be no assurance that this is an accurate reproduction of the original.

T. Gardner December 2008

M E M O R E X
TECHNICAL DIGEST SERIES NO. 108

**electron
photomicrographs**

DISC COATING CROSS SECTIONS



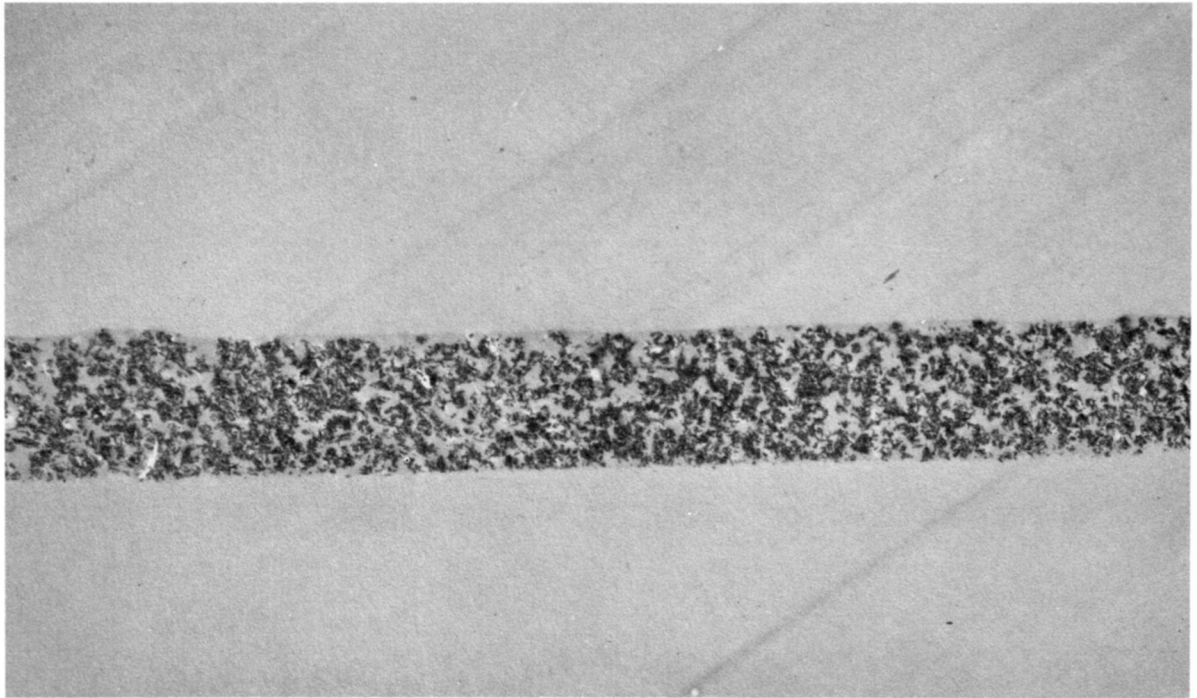
MEMOREX CORPORATION/1180 SHULMAN AVENUE
SANTA CLARA, CALIFORNIA 95050/(408) 248-3344

DISPERSION COMPARISONS

It is clear from a technical standpoint that the characterization of an outstanding recording media would include the statement "A uniform and homogeneous dispersion of magnetic material in a binder system".

Electron photomicrographs show the dispersion coatings of two leading disc pack manufacturers. The Memorex dispersion shows a uniform distribution of material within a binder system free from undissolved resin and foreign particles.

Recording without errors requires that each magnetized bit ("spot") of information contain enough of the right kind of magnetic materials, properly dispersed, to assure that the specified signal level will be attained. Resin "rich" areas, agglomerates, undissolved resin, voids, and foreign particles all tend to reduce the signal level attained from the recorded bits in that area or cause reliability degrading noise.



MEMOREX DISC PACK COATING

LEADING COMPETITOR'S COATING

