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Quilon ore, an iron titanate mineral from the Native Indian State of Travencore, was examined by various testing procedures to determine its fundamental composition and position in the system FeO, Fe_2O_3, TiO_2. The chemical analysis, specific gravity, color, melting point, magnetic behavior, and x-ray diffraction pattern of Quilon ore were obtained.

Chemical analysis and melting point determinations suggested that Quilon ore was a member of the Fe_3O_4, TiO_2 system. Magnetic behavior and x-ray pattern tests of Quilon ore, melted Quilon ore and melted synthetic Quilon indicated that the structure of the natural ore was an alteration lattice wherein iron and titanium were in replacement.

A number of titaniferous ores from other localities were examined using the same techniques for the purpose of comparison with Quilon.

KEY TO ABBREVIATIONS

AS	*American Speech*
ASR	*American Sociological Review*
DB	*University of Delaware Agricultural Experiment Station Bulletin*
DEC	*University of Delaware Extension Service Circular*
DN	*Delaware Notes*
DP	*University of Delaware Agricultural Experiment Station Pamphlet*
DSJ	*Delaware School Journal*
FI	*Food Industries*
FPJ	*Food Products Journal*
HR	*Hispanic Review*
JACS	*Journal of the American Chemical Society*
JCE	*Journal of Chemical Education*
JED	*Journal of Engineering Drawing*
JEE	*Journal of Economic Entomology*
JP	*Journal of Philosophy*
NAV	*North American Veterinarian*
PASH	*Proceedings of the American Society for Horticultural Science*
PBJ	*Peninsular Broiler Journal*
PPR	*Philosophy and Phenomenological Research*
TAIC	*Transactions of the American Institute of Chemical Engineers*
TPHS	*Transactions of the Peninsular Horticultural Society*