Mineralogical Society of America Special Paper Number Two

Pyroxenes and Amphiboles:

Crystal Chemistry and Phase Petrology

Editor

J. J. PAPIKE

Associate Editors

FRANCIS R. BOYD, JOAN R. CLARK, AND W. G. ERNST

Coordinating Editor

WILLIAM T. HOLSER

Published by the Society • 1969

Copyright, 1969 by

Mineralogical Society of America

PRINTED BY GEORGE BANTA COMPANY, INC.

MENASHA, WISCONSIN, U.S.A.

Dedicated to H. H. Hess, B. E. Warren, and the late N. L. Bowen, whose contributions, respectively, to the fields of mineralogy and field petrology, crystal chemistry, and experimental petrology have provided the foundation necessary for all later studies on pyroxenes and amphiboles.