The workshop was hosted by the IG-USP and attended by more than 30 participants. During the 2-day session, 16 talks were presented and discussed, 15 of which are published here as extended abstracts and one in its entirety. A general evaluation of the BMG activity was made during the administrative session on the final day of the McKeshop. As a result, three subgroups have been established to study.

- a) Precambrian mafic dykes (Amazonian, São Francisco and Rio de La Plata cratons):
- b) Phanerozoic mafic dykes in Brazilian territory and their correlation with Africa;c) elaboration of the dyke swarm map for the Brazilian shield.

During the administrative session, the city of Lavras (Minas Gerais, Brazil) was chosen as the site of the next annual workshop of the BMG (August, 1990). The meeting will focus on Precentrian maric dykes within the southern part of the SBG Francisco craton. In addition, the BMG has proposed holding the 1991 Mafic Dyke Conference in Brazil, which will be the final format activity of 100P Project 279.

The contributions presented in this volume summarize present knowledge on anic dyke swarms (ippeaus and estamptopsed) in the fields of petrology, goochemistry, goochronicy, pateomagnetism, peophysics, structural geology and tectonics. Emphasis is on Brazilian examples, but information is also included on dyke swarms in Uruguay (Precembrian) and Suriname (Mesozoic). All contributions were carefully reviewed for content and English usage by the volume editors, X-leiveira and T.R.Fairchild of the IG-USP. Minor changes and corrections have been introduced for the sake of clarity without substantially changing the ordinal intent of the authors.

It is apparent that the geologic knowledge on this subject is heterogeneous and far from adequate for most of the studied areas in Brazil. However, especially for the eastern part of the continent (Sio Francisco craton). a relatively detailed scenario may be outlined

for the Precambrian mafic dykes in terms of paleomapretism, geochronology and geochemisty. In this regard, cooperative studies will be most important to further our understanding not not of the origin and tectorics of such magnatism but also of the geochemical signature of mantle processes through geologic time.

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