"A New Angle on the Euler Angles," F. L. Markley and M. D. Shuster, *Proceedings, Flight Mechanics/Estimation Theory Symposium*, NASA Goddard Space Flight Center, Greenbelt, Maryland, May 16–18, 1995, pp. 395–403.

This work actually began on Copocabana Beach (Posto 6) in Rio de Janeiro following a conference at INPE in 1994. Markley stepped into the work when I got stuck and supplied the missing link. Thereafter, it grew collaboratively. We later found out that Paul Davenport had discovered most of our results in 1973.

Superseded by 2003d. See the comment to 2003d for a fuller description of this work.