# MISCELLANEOUS ERRATA (JWM)

**Singular Points of Complex Hypersurfaces (1968), p. 60.**

The claim that my definition of the invariant $\mu$ "*agrees with the various definitions* [*of multiplicity*] *used by algebraic geometers*" is far from true. The invariant $\mu$ in this book has nothing to do with the usual concept of multiplicity.

**Characteristic Classes (1974), p. 186, line -10.**

For "circle-bundle" read: 2-sphere-bundle.

**Geometry and Dynamics of Quadratic Rational Maps (1993), p. 40.**

The discussion of Figure 11 claims that the following statement follows from a theorem of Mary Rees:

*In any neighborhood of $\lambda_0 = -1/4$, there is a set of parameter values $\lambda$ of positive measure for which the Julia set of the map*

$$f_\lambda(z) \;=\; \lambda(z + 2 + 1/z)$$

*is the entire Riemann sphere.*

I don't know whether this statement is true; but the proof is certainly wrong. Her theorem[1] requires a non-degeneracy condition which is clearly not satisfied in this example since the critical point $-1$ for this family is persistantly pre-periodic, with $-1 \mapsto 0 \mapsto \infty = f_\lambda(\infty)$.

[1] See page 384 of "Positive measure sets of ergodic rational maps", Ann. Sci. Ecole Norm. Sup. **19** (1986). In order to test the non-degeneracy condition, it is best to make the substitution $w = 1/z$, in order to place the post-critical fixed point in the finite plane,