



SOURCE: Adapted from H. L. Van Trees, "C3 Systems Research: A Decade of Progress," in Stuart E. Johnson and Alexander H. Levis, eds., *Science of Command and Control: Coping with Complexity*, Washington, D.C.: Armed Forces Communications and Electronics Association International Press, 1989, p. 32. Adapted by permission from Armed Forces Communications and Electronics Association International Press. Copyright © 1989 by AFCEA International Press.

Figure A.4—Launch Under Attack Timeline

### TECHNOLOGY PUSH AND THE HEGEMONY OF CYBERNETIC MODELS

The cybernetic approach is clearly the dominant model of C2, judging from both the frequency with which articles about it appear in the command and control literature and the influence it has had on