Radar Echoes
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ACROSS
1. Alphabet starter
4. Airspace category for mid-sized airports such as Anchorage, Indianapolis, and Sarasota
10. Egyptian goddess
14. Bossa nova mecca, familiarly
15. Unload, in a way
16. Squeal
17. Vintage film channel
18. Modified a transmitted signal using Barker codes, e.g.
20. Field of vision?
22. The Keydets' sch.
23. -
24. "Jackie ___ First Strike" (1996 movie)
25. El Camino ___
26. Improv ending?
27. Like a sensor exploiting the spin angular momentum properties of photons
28. Suspects
30. -
33. River isle
34. Any host of "My Brother, My Brother and Me" podcast
35. Hot air
39. Autocorrelation ___
40. Active sensing technique using discrete transmission bursts to measure target velocity
41. Hunky-dory
45. -
46. Nev. neighbor
47. You are, in Toledo
48. U.S. military jets used in Vietnam
50. Unlike 40-Across, a remote sensing method that transmits signal all the time
51. Brand IDs
52. Waterskiing line
54. -

57. War zone roadside haz.
58. Swedish satellite named after a god
59. Ringer, of a sort
60. Diplomat Hammarskjold
61. Band of eastward oceanic flow between the NEC and SEC
62. Recently deceased co-author (with Zrnic) of a classic textbook to whom this puzzle is dedicated
63. All-___ camera

6. Winglike parts
7. Classic Mercedes roadsters
8. Martin and McQueen
9. Narrow end of a cloud system shaped like a punctuation mark
10. "___ be a mistake"
11. Riyadh natives
12. Sickest, in both bad and good senses
13. What Panthers and Penguins may wear
19. 11-Down own many of them
21. Star in Auriga whose name means "little she-goat"

DOWN
1. Commedia dell'
2. Molecule type with two rings of atoms
3. Plea to Lassie
4. One might watch a filibuster on it
5. Glassware ovens
6. Burns or Flair
7. Appendage
8. Frequent HGTV theme
9. Speaker
10. Find as the origin
11. Onetime CBS News anchor
35. Gronk, now
36. They turn Morris into "Boris" in "Freaky Friday"
37. Language of kitteh memes
38. Method to model turb. fluxes in many oceanic models
39. Sleuthing agts.
41. A slice of Swiss?
42. Junk jewelry alloy
43. Al fresco meal
44. Vigoda's "The Godfather" role
48. Retinal area with sharpest vision
49. Rear the rear?
50. Ringer, of a sort