The following are taken from Herrick's *Introduction to Logic*, p. 476. Symbolize the following singular sentences in PL. Use obvious abbreviations.

- 1. Grandpa Munster banks at the blood bank.
- 2. Wimpy likes hamburgers and Popeye likes spinach.
- 3. If Moe is happy, then Curly is happy and Larry is happy.
- 4. Gottlob Frege was a logician and a mathematician.
- 5. It is not the case that Stilpo of Megara was a poet.
- 6. If Aristotle was the greatest logician of antiquity, then Chrysippus was the second greatest.
- 7. It is not the case that if Frege lectures on logic then Russell will attend.
- 8. It is not the case that both Socrates was a sophist and Socrates was a true philosopher.
- 9. If it is not the case that Plato is a philosopher, then it is not the case that Aristotle is a philosopher.
- 10. The earth is not a star and Pluto is not a planet.