

**Read and Discover**

In the 1940s, computer programmers could not create new programs efficiently. Each new program required a complete set of **machine instructions**. Grace Murray Hopper, a U.S. Navy computer expert, changed computer programming forever with **one brilliant invention**.

Which of the boldfaced prepositional phrases tells *when* about a verb?

\_\_\_\_\_

Which tells *how* about a verb? \_\_\_\_\_

Which does not modify a verb? \_\_\_\_\_

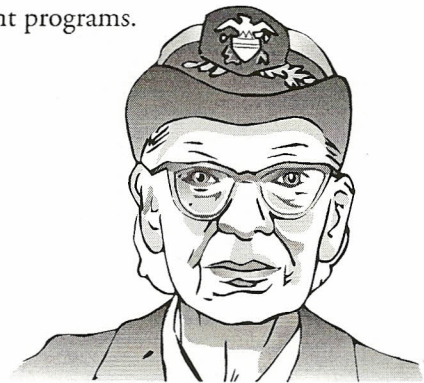
A prepositional phrase can modify, or tell more about, a verb, an adverb, or an adjective. These prepositional phrases are called **adverbial prepositional phrases**. Many adverbial prepositional phrases tell *when*, *where*, *how*, or *how long* something was done.

See Handbook Section 20

**Part 1**

Underline each adverbial prepositional phrase. Circle the verb or verb phrase it modifies. A sentence may have more than one adverbial prepositional phrase.

1. Rear Admiral Grace Hopper developed the first computer compiler in 1952.
2. Machine instructions were gathered within the compiler.
3. Programmers could now use the same routine in many different programs.
4. Hopper's bosses had not encouraged her in her efforts.
5. Automatic programming seemed impossible to them.
6. Hopper was irritated by such old-fashioned thinking.
7. In the computer industry, changes come fast.
8. Hopper contributed a great deal to computer science.
9. In the 1950s, she developed COBOL, described as the first user-friendly computer programming language.
10. Businesses used COBOL for data processing.
11. In 1964 Hopper received the Society of Women Engineers Achievement Award.
12. She was given the award because of her original computer programming systems.
13. Hopper first joined the United States Naval Reserve during World War II.
14. She retired in 1966, but she accepted a new assignment one year later.
15. In 1986 Hopper, then eighty years old, retired again.
16. Throughout her long and brilliant career, Grace Hopper made important contributions to computer science, business, and national security.



Grace Murray Hopper