

# COMPUTER

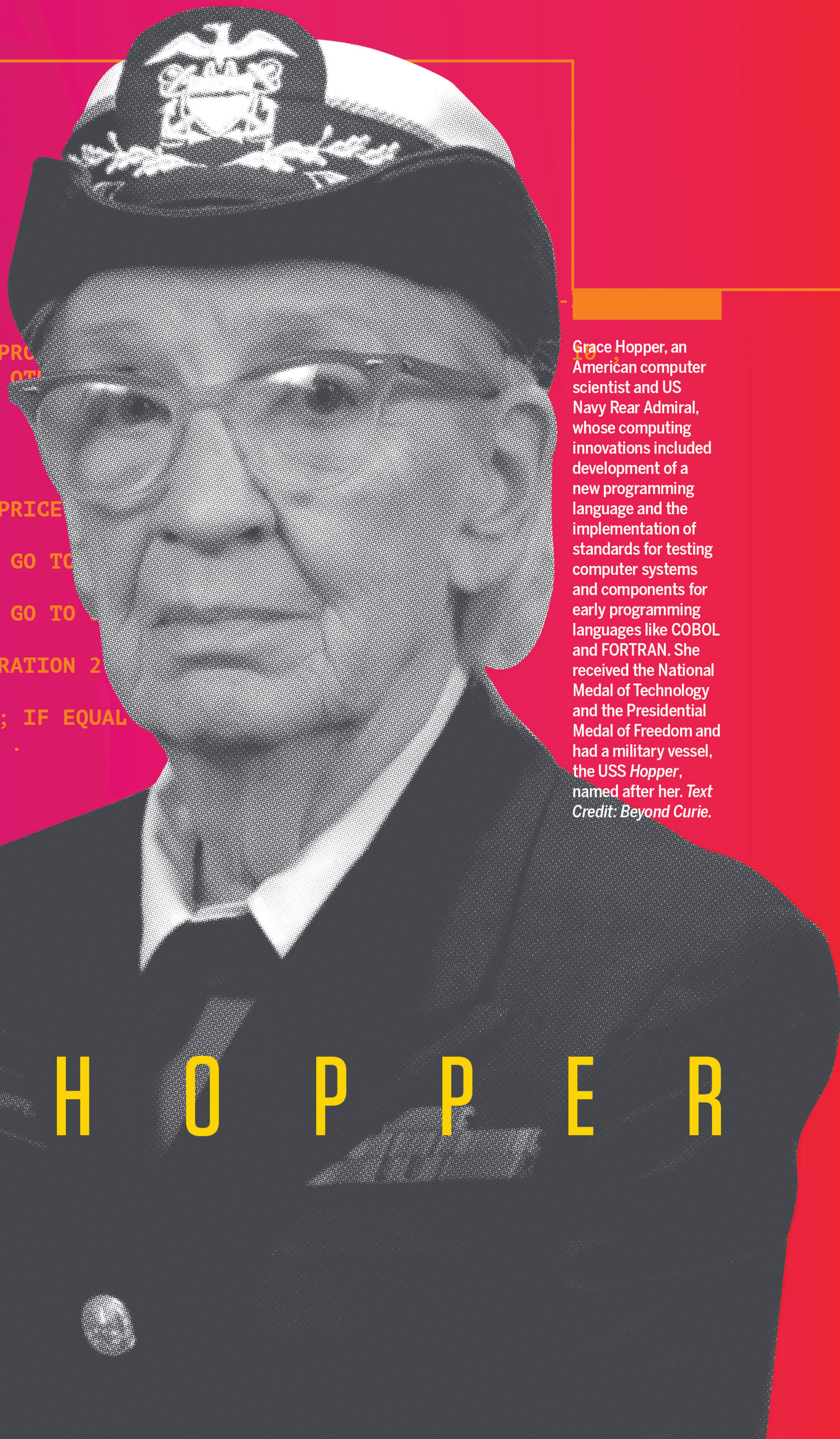
# SCIENCE

# GRACE

```

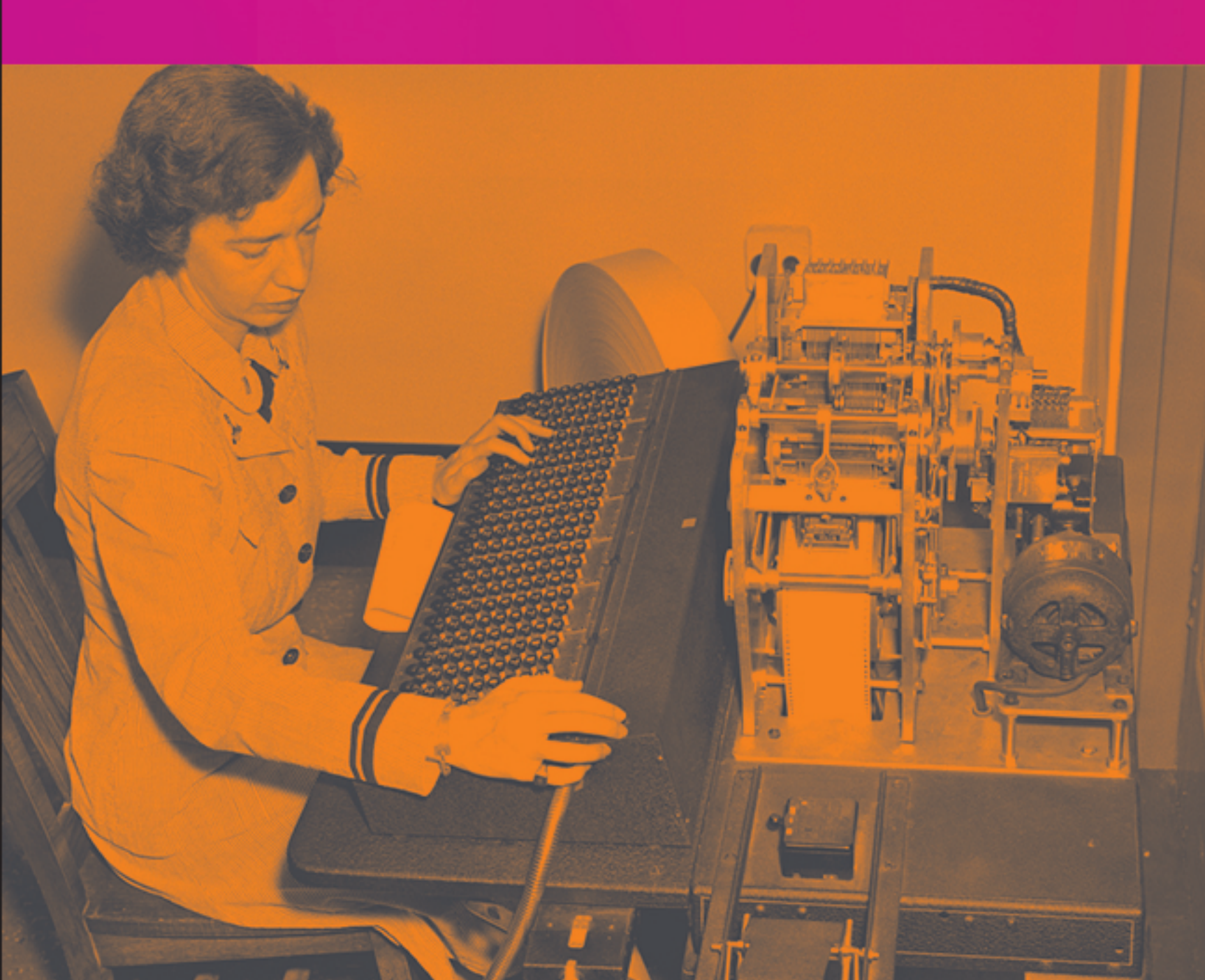
(8) INPUT INVENTORY FILE-A PRICE
FILE-D ; HSP D .
(1) COMPARE PRODUCT-NO (A) WITH PR
IF EQUAL GO TO OPERATION 5 ; OTH
(2) TRANSFER A TO D .
(3) WRITE-ITEM D .
(4) JUMP TO OPERATION 8 .
(5) TRANSFER A TO C .
(6) MOVE UNIT-PRICE (B) TO UNIT-PRICE
(7) WRITE-ITEM C .
(8) READ-ITEM A ; IF END OF DATA GO TO
(9) JUMP TO OPERATION 1 .
(10) READ-ITEM B ; IF END OF DATA GO TO
(11) JUMP TO OPERATION 1 .
(12) SET OPERATION 9 TO GO TO OPERATION 2
(13) JUMP TO OPERATION 2 .
(14) TEST PRODUCT-NO (B) AGAINST ; IF EQUAL
OTHERWISE GO TO OPERATION 15 .
(15) REWIND B .
(16) CLOSE-OUT FILES C ; D .
(17) STOP . (END)

```



Grace Hopper, an American computer scientist and US Navy Rear Admiral, whose computing innovations included development of a new programming language and the implementation of standards for testing computer systems and components for early programming languages like COBOL and FORTRAN. She received the National Medal of Technology and the Presidential Medal of Freedom and had a military vessel, the USS *Hopper*, named after her. Text Credit: Beyond Curie.

# HOPPER



# SCIENTISTS CHANGE THE WORLD

