

Report of the

PRESIDENTIAL COMMISSION

on the Space Shuttle Challenger Accident



IN MEMORIAM

"The future is not free: the story of all human progress is one of a struggle against all odds. We learned again that this America, which Abraham Lincoln called the last, best hope of man on Earth, was built on heroism and noble sacrifice. It was built by men and women like our seven star voyagers, who answered a call beyond duty, who gave more than was expected or required and who gave it little thought of worldly reward."

-President Ronald Reagan January 31, 1986

Francis R. (Dick) Scobee Commander

Michael John Smith Pilot

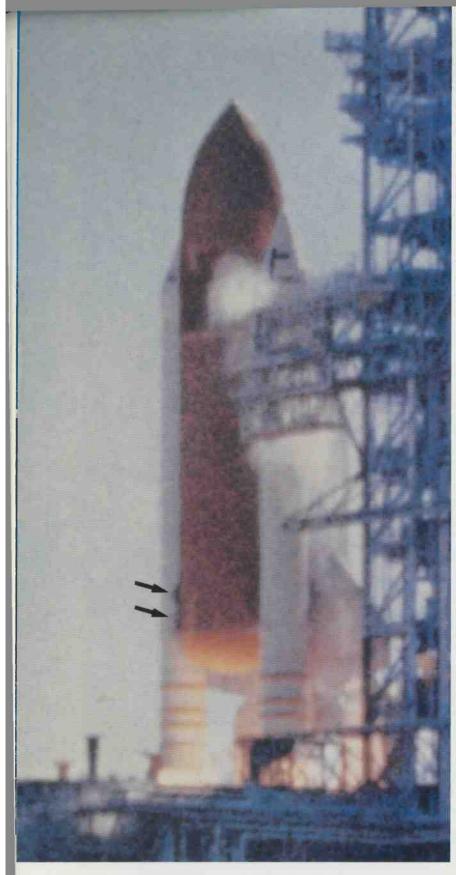
Ellison S. Onizuka Mission Specialist One

Judith Arlene Resnik Mission Specialist Two

Ronald Erwin McNair Mission Specialist Three

S. Christa McAuliffe Payload Specialist One

Gregory Bruce Jarvis
Payload Specialist Two

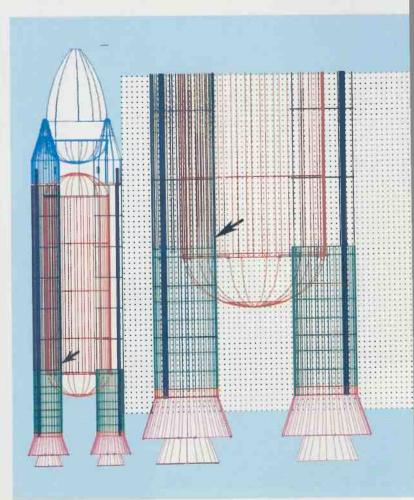


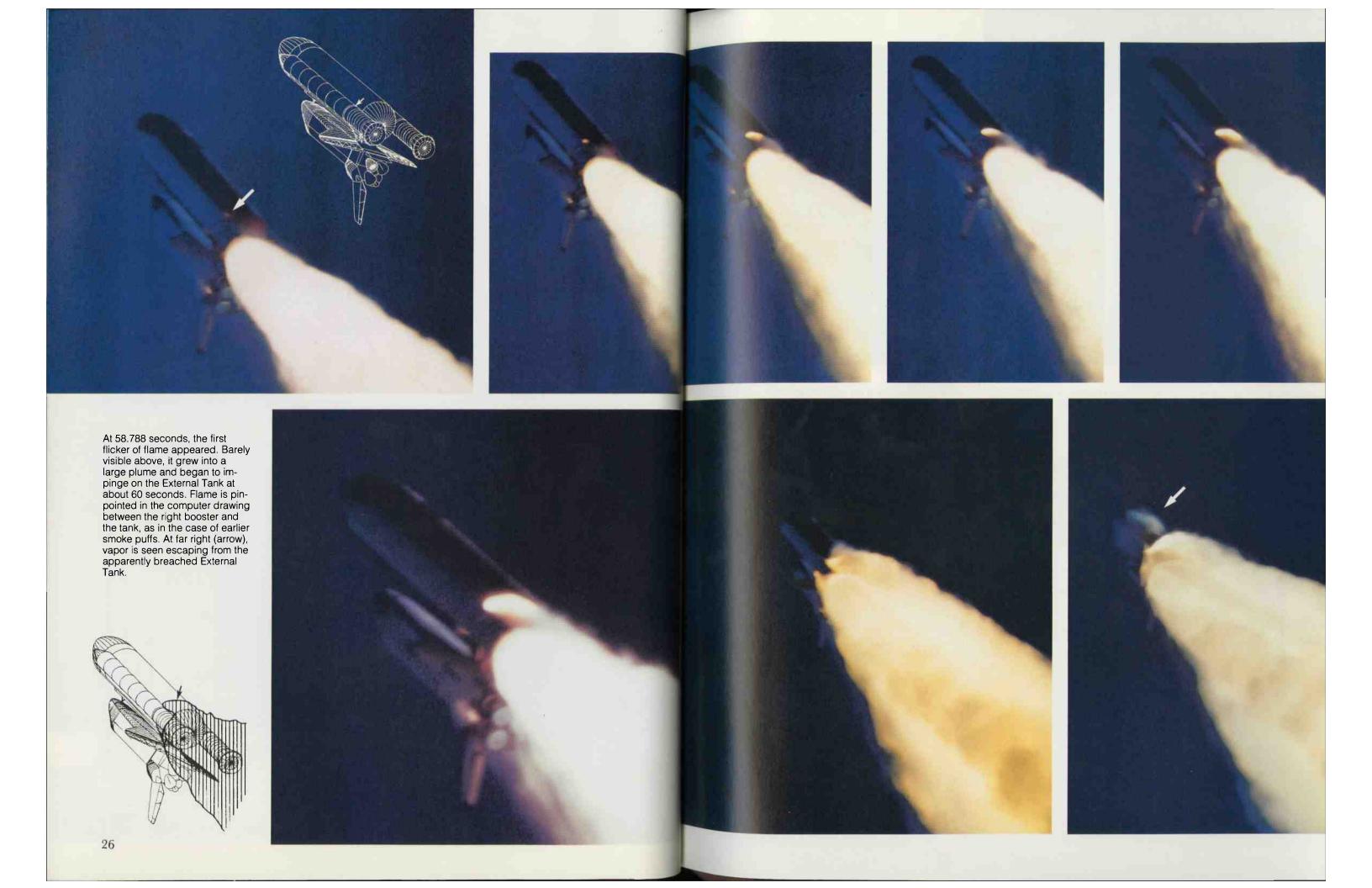
Multiple smoke puffs are visible in the photo above (arrows). They began at .836 seconds and continued through 2.500 seconds, occurring about 4 times a second. Upward motion of the vehicle caused the smoke to drift downward and blur into a single cloud. Smoke source is shown in the computer generated drawing (far right).



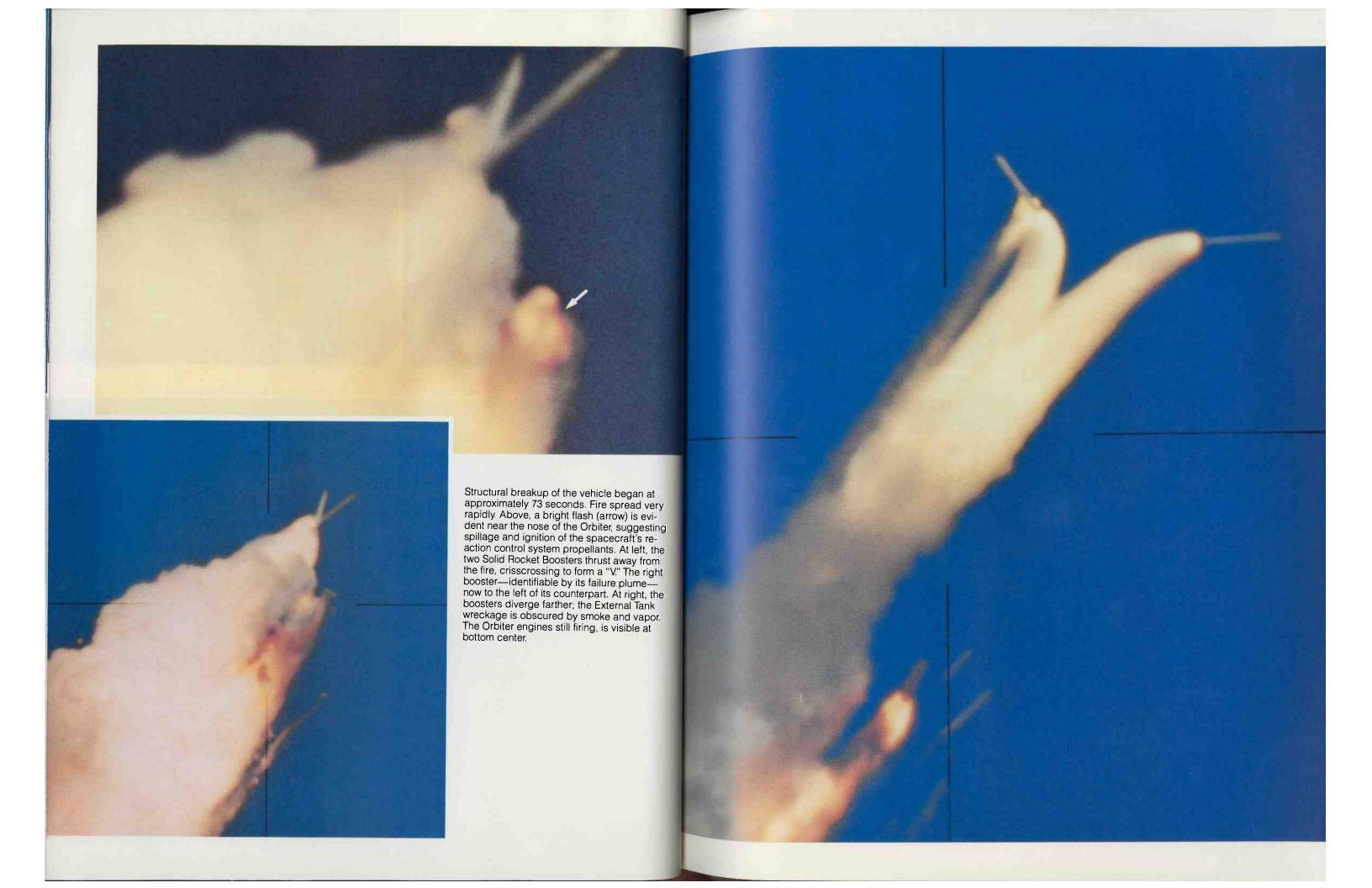








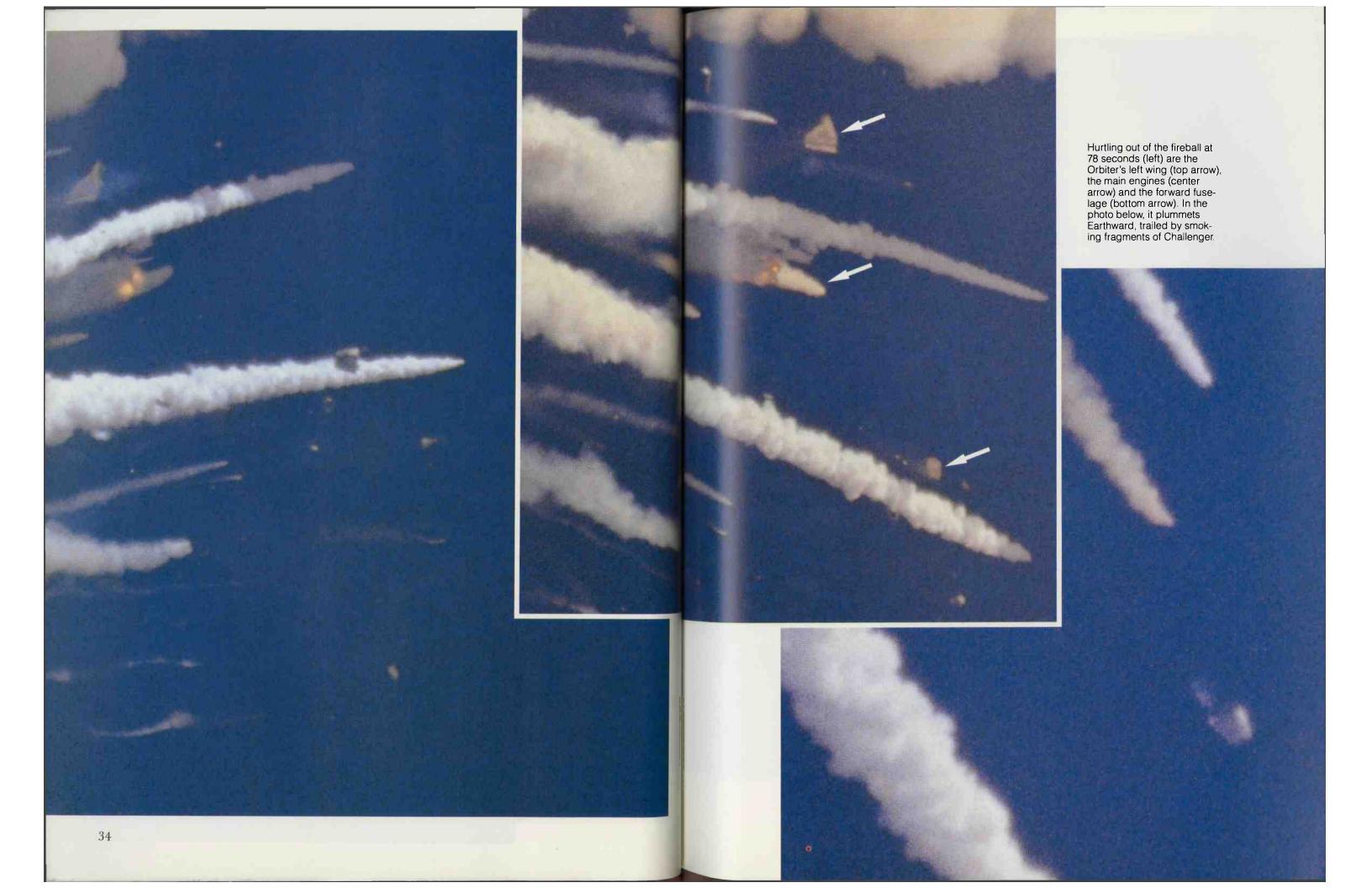


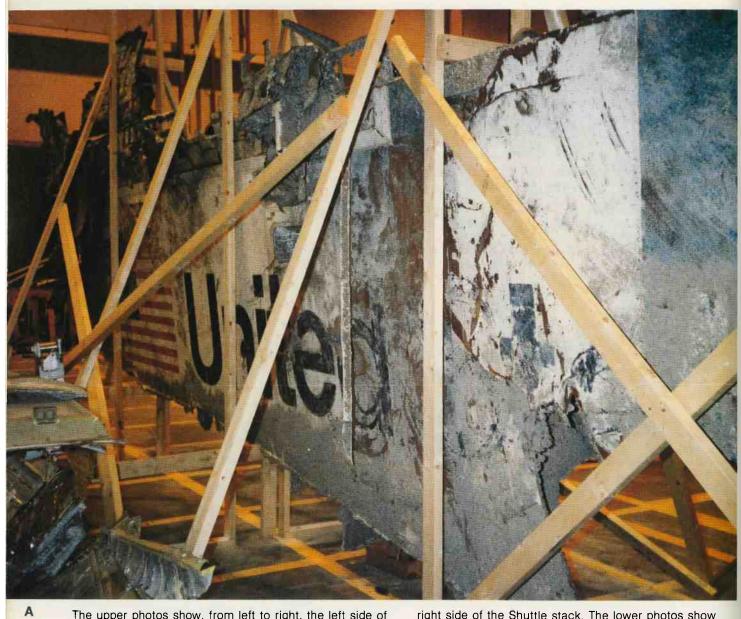












The upper photos show, from left to right, the left side of the Orbiter (unburned), the right lower and upper rudder speed brake (both burn damaged) and left upper speed brake (unburned), confirmation that the fire was on the

right side of the Shuttle stack. The lower photos show the range safety destruct charges in the External Tank. These charges were exonerated when they were recovered intact and undetonated.







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