

ALOHA



LEAVING PEARL HARBOR



HOMeward BOUND!



IT'S NOT CHANEL NO. 5



IT'S NO USE, I'LL NEVER GET
CHARTREUSE



KOOKIE — KOOKIE



NOW WHAT!





"I'M AN OLD COW HAND!"



"I'M A MAN WHO THINKS FOR HIMSELF"



"WHO'S GOING TO PICK UP THE CHECK!"



"NO, ENGINEERING IS JUST A HOBBY WITH ME.
ACTUALLY I'M A - - - - -"



WHO TIED THIS KNOT



HEY! JOE ANOTHER PIZZA TO GO



SCREW IT OR UNSCREW IT!



THE THINKER



STICK'EM UP



S
H
I
P
'
S
R
O
U
T
I
N
E



GOOD CHOW EN WHIT?



SWIRES THINKS SO!

THE TERRIER MISSILE

AS WORLD WAR II DREW TO A CLOSE HIGH PERFORMANCE JET AIRCRAFT HAD NEARLY REACHED THE OPERATIONAL STOPE. SHORTLY THERAFTER IT BECAME APPARANT THAT CONVENTIONAL GUNS WOULD, BE UNABLE TO COPE WITH THE JET AIRCRAFT AND THEIR ADVANCED WEAPON'S DELIVERY SYSTEMS. THE JETS FLEW TOO FAST, TOO FAR, AND TOO HIGH FOR THE CAPABILITIES OF THE GUNS OF THE FLEET.

GUIDED MISSILES WERE THE LOGICAL ANSWER, AND THE NOW FAMOUS BUMBLEBEE PROGRAM COMMENCED IN 1950 TO DEVELOP AN ACCEPTABLE SURFACE-TO-AIR GUIDED MISSILE. TERRIER WAS THE RESULT.

TERRIER IS A SUPERSONIC, TWO-STAGE, SOLID FUEL, BEAM RIDING GUIDED MISSILE SPECIFICALLY DESIGNED FOR MEDIUM RANGE AIR TARGETS. THE SOLID FUEL BOOSTER GENERATES MANY TONS OF THRUST SO THAT IN A MATTER OF A FEW SECONDS THE MISSILE IS PROPELLED TO ITS DESIGNED SUPERSONIC OPERATIONS SPEED. THE EXPENDED BOOSTER IS UNLATCHED FROM THE MISSILE AND JETISONED. THE ROCKET MOTOR WITHIN THE MISSILE IS THEN ACTIVATED TO SUSTAIN THE MISSILE AT ITS SUPERSONIC SPEED. TERRIER IS GUIDED TO THE TARGET BY A GUIDANCE RADAR BEAM TRANSMITTED FROM THE SHIP'S MISSILE GUIDANCE RADAR. THE MISSILE CAN SENSE ITS POSITION WITHIN THE BEAM. THE "BRAIN" OF THE MISSILE RESPONDS WITH ORDERS TO THE MISSILE WINGS WHICH ARE POSITIONED TO DIRECT THE MISSILE TO THE CENTER OF THE BEAM.

THE BEAM IS CONTINUALLY TRACKING THE TARGET AIRCRAFT SO THAT TERRIER FLIES ON INTERCEPT TRAJECTORY. WHEN THE MISSILE IS WITHIN LETHAL RANGE THE HIGH EXPLOSIVE CONTROLLED FRAGMENTATION WARHEAD IS DETONATED CAUSING DESTRUCTION OF THE TARGET.

THE COMPLETE TERRIER ROUND IS NEARLY 30 FEET LONG AND WEIGHS ABOUT 1 1/2 TONS. ITS RANGE IS IN EXCESS OF 10 MILES, AND IT CAN OPERATE AT ALTITUDES ABOVE 40,000 FEET.







