



# BIOGRAPHY

## UNITED STATES AIR FORCE

0 \$ - 25 6 & 277 = '2/\$5

0 DMRU 6 FRWW 'RODU VHUYHV DV WKH 18 SHUHWLQJ RQH VVWLFH 5  
2 IILFHU 7 UDLQLQJ & RUSV +HRVDFK&HQWHUH  
8 QLYHUVLW\ \$ODEDPD ZKHUH KH SURYILRQH V  
TXDOLILHG VWXGHQWMUZYKR DG/H F R B R L W R E & QH  
) RUFH RIILFHUV

0 DMRU 'RODU UHFHLYHG KLV FRPPLVVL RQHUG  
2 IILFHU 7 UDLQLQJ & RQMSV 'H(WDFK&HGQFID  
8 QLYHUVLW\ 3 UHVFRWW \$UL]RQD +LWFRDU  
UDQJHG IURP WKH WDFWLFD O OHYHOORIRZU  
DQ ,QWHOOLJHQFH 6 XUYHLOODQFH DORSOH  
WKH RSHUDWLRQDO OHYHO RI ZDUORVHQJRQW  
6 WDWHITV PLVVLRLQ LQ KDJMDSOOLWWLDFQS DQW RGH  
LQLWLDWLYHV LQFOXGLQJ WKH WHVWLQSLRQ  
DLUFUDIW LQWHOOLJHQFH FRRUGLQDWRLUMC  
3URFHVVVLQJ DQG 5HSRUWLQJ & HOO DQGKH  
'RPDLQ & RPPDQG DQG & RQWXLUR/CHWDLQ&EBCX  
SURFXULQJ WDLORUHG ZULWLQJ DQG NUC  
ZLWK HDVLHU DFFHVV DQG GLJHVWLQH R  
'RODU KDV JDUQHUhG RYHU KRUV  
LQVWUXFWRU



('8 & \$7, 21

%DFKHORU RI 6FLHHFOXUHLWVWHDQDQ, QHLQFH 6PNEUG 5LQGOWL\$FHQW 8QLYHUVLW\ \$=  
'LVWLQJXLVKHG OLOOLG M QWVH 2IQLVH UHQRQZV\$%\* RTRGI  
6SHFLDO 2SHUDWLRQDQJIRUHQFH 6KHUFYRHQ QDIDVQFDHQ FDQ TD FWLFDO & RQWUROOH  
)LHOG )/  
\$LU )RUFH 6SHLFLQO &SPRUDQG , QWHTQDQJLQFH 8)RILMPDQXUOEXUW )LHOG )/  
8QLWHG 6WDWHVLSYDUO)BETRQDQGD\$%)%:\$  
6TXDGURQ 2IILFHU 6FKRRO 0D[ZHOO \$)% \$/  
&EHU ,QWFIHO)RILWHDQJ 78QDQJLQ L2IIXWW \$)% 1(  
,QIRUPDWBRQH(QWL\$G YDQFHG \$QDOSW%FV(&RXUVH 2IIXWW  
6SHFLDO 2SHUDWLRQDQJIRUHQFH 6KHUFYRHQ QDIDVQFDHQ FDQ TD FWLFDO & RQWUROOH  
+XUOEXUW )LHOG )/  
6SHFLDO 2SHUDWLRQDQJIRUHQFH 6KHUFYRHQ QDIDVQFDHQ FDQ TD FWLFDO & RQWUROOH  
FHWLILFDWLRQ +XUOEXUW )LHOG )/  
-RLQW 7DVN )RWFH&BWIDVIH%DQ[ZHOO \$)% \$/  
-RLQW \$LU 2SHUDWLRQDQJIRUHQFH 6KHUFYRHQ QDIDVQFDHQ FDQ TD FWLFDO & RQWUROOH  
UH

0 DVWHUV RI 0 L OQDWD \$ U WS B Q B W6IFR HQ K M L QRJL & RVQ:DHUQ WUDWL RQ \$ LU 8 QLYHUV  
\$/

### \$ 66 , \* 10 ( 176

'HF ± \$ X J 6WXGHQWQ FQHW2H DQFHJU & R5KU V\*HR RG I HOO RZ \$ ) % 7;  
6HS ± 0 DU R P Q D Q K Q H I & 62,6 & D Q Q R Q \$ ) %  
\$SU ± ) HE R P Q D Q K Q H I & \$ Q D O \ V L V D Q, G 52HISRW W LSQ \$ ) % 1(   
0DU ± 0 DU R P Q D Q K Q H I , Q W H O Q R Q H Q F, I 63 L2R GQWFVW L\$ ) % 1(   
\$SU ± ) HE 2S1HMV\ D W QR Q V & R P P D Q G W Q E X U W2) G H O G ) /  
0DU ± 'HF R) P O P L Q Q W H & 62) , Q W Q Q Q J R 8 Q D W 7 U D 62 & 76 + X U O E X U W ) L H O G  
- DQ ± 1 R Y % U D Q F K & K L H I - R L Q W 7 L D F V R) R W V F H H G W O D I % B Q W H U 0 D [ Z H O O \$ ) %  
'HF ± 0 D \ & R W H U I L Q H Q , F Q W H Q D Q D B Q & H Q W H U 0 D [ Z H O O \$ ) % \$ /  
- XQ ± - X Q ' H S X W \ & K L H F I H \$ I H W Y R E H I ' R I F F O D U L Q H Q W H U 0 D [ Z H O O \$ ) % \$ /  
- XO ± 3 U H V H R Q W 22I\$ I H F U D W L \$ ) 527 & O P W & H Q W H B 7 X V N H J H H 8 Q L Y H U V L W \ \$ /

### ' ( 3 / 2 < 0 ( 176

1 R Y ± \$ SU L F D 507 D R Q Q M S U H F Q D I L U R Q M U 7 D D W N ) R U D H U D P D \$ % \$ 1 J K D Q L V W D Q  
- XQ ± 'HF ) O L J K W & R P P D Q G H U R Q Q Q L S / V G X Q M G H U R Q Q D U \$ C 5 18 B H L G \$ % 4 D W D U  
- XQ ± 1 R Y R' L D S I F W D R W L R Q V - F X U H L M A Q & R P Q D Q D J W P R Q W 2 I I L F H  
\$ I J K D Q L V W D Q \$ O 8 G H L G \$ % 4 D W D U

### 0 \$ - 25 \$ : \$ 5 ' 6 \$ 1 ' ' ( & 25 \$ 7 , 216

' H I H Q V H 0 H U L W R U L R X V 6 H U Y L F H 0 H G D O  
0 H U L W R U L R X V 6 H U Y L F H 0 H G D O  
\$ L U D Q G 6 S D F H & R P P H Q D G W L R Q 0 H G D O  
\$ U P \ & R P P H Q G D W L R Q 0 H G D O  
\$ L U D Q G 6 S D F H \$ F K L H W H K P R I Q H V E D U R C Q D ] Q I Z I D N O H D I F O X V W H  
0 H U L W R U L R X V 8 Q L W \$ Z D U G Z L W K W Z R E U R Q ] H R D N O H D I F O X V W H U V  
\$ L U D Q G 6 S D F H 2 U J D Q L ] D W L R Q D O ([ F H O O H Q F H \$ Z D U G  
1 D W L R Q D O ' H I H Q V H 6 H U Y L F H 0 H G D O  
\$ I J K D Q L V W D Q & D P S D L J Q 0 H G D O  
\* O R E D O : D U R Q 7 H U B Q D U V R O H I G S D H Q I Z W W K R Q H D I E F U R Q V W H R U D N  
\* O R E D O : D U R Q 7 H U U R U L V P 6 H U Y L F H 0 H G D O  
+ X P D Q L W D U L D Q 6 H U Y L F H 0 H G D O  
\$ L U D Q G 6 S D F H ([ S H I G F L H W S I R Q E D R U Q Q I H W K K R W G R % E R W R G Q H J W Z R D W N O H D I F O X V W H U V  
\$ L U D Q G 6 S D F H / R Q \$ Q D U W \ Z E H W U K Y W F Z H R E U R Q V W H R U D N O H D I  
6 P D O O \$ U P V ([ S H U W O D U N V P D Q V K L S 5 L E E R Q  
\$ L U D Q G 6 S D F H 7 U D L Q L Q J 5 L E E R Q  
1 \$ 72 1 R Q \$ U W L F O H 0 H G D O

### 27 + ( 5 \$ & + , ( 9 ( 0 ( 176

/ H O D \ & H Q W H U I R V H D R V S B H Q M ' B Q G ( Q X J D D W H L R ) Q H D G H F U N D G H 2 I I L F H U R I W K H < H D U  
/ H O D \ & H Q W H U I R V H D R V S B H Q M ' B Q G ( G W R D W R U R V Q K H G X H F D D U  
\$ , 65 \$ 3 D Q G 9 H W Q T H X D G U R Q R I W K H < H D U  
6 T X D G U R Q & R P G S D Q V I L U F H U R I W K H < H D U  
6 T X D G U R Q \$ , 65 \$ 3 \* & R P G S D Q I I L F H U R I W K H < H D U  
9 H U Q H T 2 U D U G W R Q R I W K H < H D U

### ( ) ) ( & 7 , 9 ( ' \$ 7 ( 6 2 ) 3 5 2 0 2 7 , 2 1

6 H F R Q G Q L D H Q W W H D \  
) L U V W / L H X W H Q D Q W 0 D \  
& D S W D L Q 0 D \  
0 D M R U 0 D \

& X U U H Q W D V R I - X O \