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6\VWHP &DOO \$QRQPDQ\0'XHOWHFWK BHDG H G 3U

'U 0DUF XV 3HQGOHWRQ
&\EHUVHFXULW\ 5HVH DUFKHU
\$LU)RUFH 5BVRDDMRU\ 5RPH 1<

)ULGD\ \$SULO WRKRW QR(RQLQH HULQJ %XLOG

\$EVWUBFWWHP FDOOV RU V\VFDOOV DUH D RSR SXHOWHFW D R W W R X A U F F W
WKH\ KDYH VWURQJ VHF XULW\ VHPDQW DRZ DSGI W K F D Q F R B O H B W H B Q
VROXWLRQV IDOO VKRUW LQ PRGH O Q J F R P S G H W K S U V R S U B W H F , V Q L Q D U W H
GHDOLQJ ZLWK KLJKO\ PXOWL WKUHDGLFK \$ R R J W D L P Q / G H V B H F H D W O O U H W K
E\ WKLVSUREOHP WKH SUHVHQW GR D F K L D V Q D W R L R Q H W D W K H V H B I R Q M W U L
7KH ILUVW FRQWULEXWLRQ LV D V\VFDOOV O W G D H S U R I Q V F W O B Q F W R F X Z W U
KRVW LQWUXVLRQ V\WHPV +,'6V : L W F D O Q L Q J 6 G R V O X W H L R Q V F D W H H S Q V
WKHLU OLPLWHG FKDUDFWHULVWLVW Z K H K Q D S S O R L H G L Q J R W K I D O U Z H R I U J E V
:H SURYLGH DQ H[WHQVLEOH V\VFDOOV V G D W W D X F W X E D O O H Q F W R B Q Z M H F W X L
V\VFDOOV \HW DOORZV IRU UHVHDUFK K U N V W R K L D V G O W D G B W W K R I O O H F
LQ ZLGHQLQJ WKH VROXWLRQ VSDFH RI V\VFDOO +,'6

7KH VHFRQG FRQWULEXWLRQ LV D P H W K R B B O R L Q W R P S G H Q S U R J W B P V
UHPDLQV ODUJHO\ XQDGGUH

WKUHDG ZLVH VHTXHQFHV IURP FRPSOB[V V X I S W L Q W K U H D G J K G S G I R U J H D W
DUH RIWHQ DQRQ\PRXV DQG GR QRW F D Q G R O K H T K V H U J M R V H W R Z H H S V A R I S R
EHKDYLURV ZKLFK DUH UHSUHVHQWHG V H S U M S B W F D V Q D E B U X M S H U R F H V
EHKDYLURV FODVVLILFDWLRQ

7KH WKLUG FRQWULEXWLRQ LV DQ D Q R B D O V K G H W G H F O W L R I Q H G H F K R X S X H
IURP WKH VHFRQG FRQWULEXWLRQ \$ G P H R Q W W R Q H Q J H D R P S L O H W [P X R G M I
LQ V\VFDOO +,'6 LV FKDOOHQJLQJ E H F D X Q W W K K B D G R U P D \ H D [F K L E H P V L V G
SDWWHUQ 7KHUHIRUH D 3RQH VL]H W L K H V G L O Y O U D S S E H R K D F Y L R Q V F B S Q I
PRGHOV RI SUHYLRXV DSSURDFKHV : H L Q W H W K H Q W O Q N W H E W L R I Q E G R D L Y F
GHWHUPLQH WKUHVKROGV EHWZHHQ QRHPDHOV X Q G D Q R P C O R X X U E D W K H D Y

%LRU 0DUF XV 3HQGOHWRQ LV D IRUPHU FRPSEHMD W L R Q M P R I I D Q G U F \ & 6 I 2
8QLWHG 6WDWHV \$LU)RUFH +H LV F F X L H U H Q W O N K H F S E W U R B F M U S H W A H D W H
5RPH 1HZ <RUN 7KHUH KH ZLOO FRQQFLHQ X H Q W R S B H D W W L B Q H V K U R F H M S K I
SHUIRUPDQFH FRPSXWLQJ DV DQ DGPLQ Z D V G U D W R H U 8 Q W L \$ P U H W L W D E R D Q G