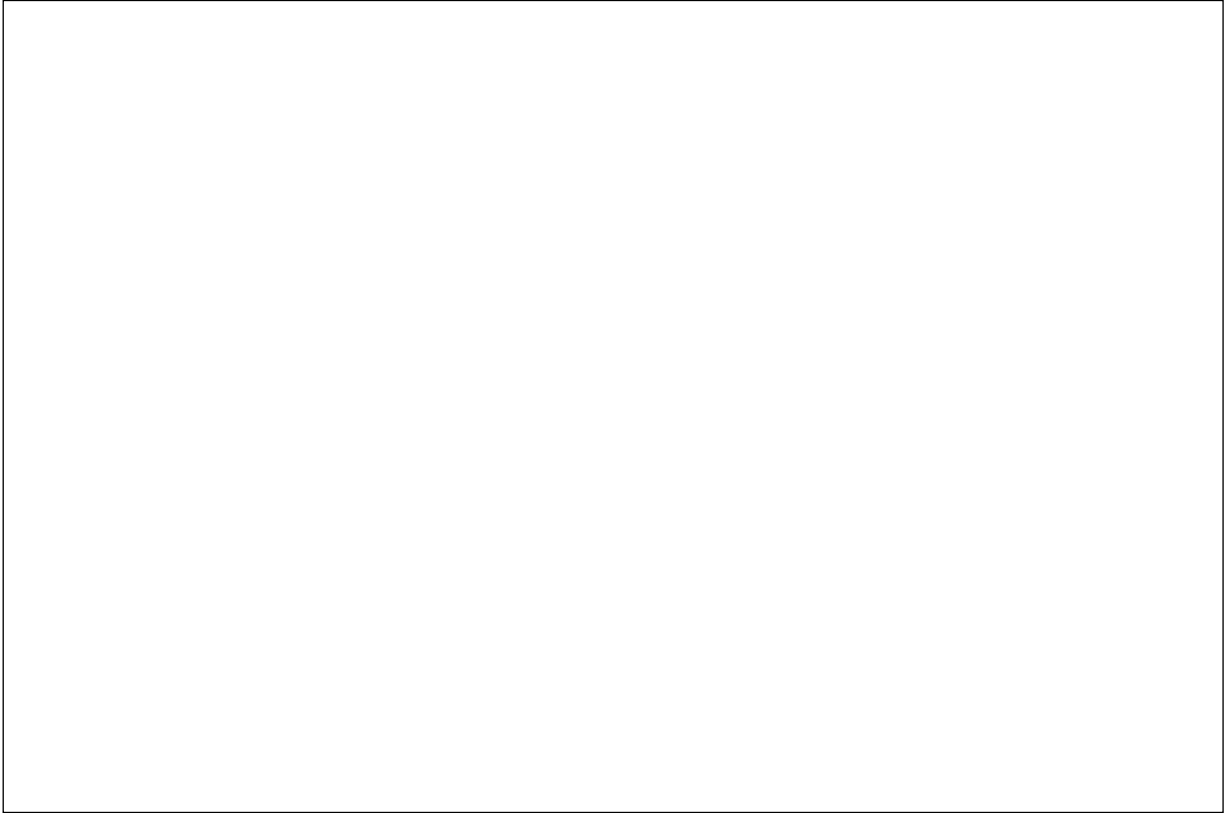




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: v oo Œ}oµ•U o µ] ZŒE]•Ÿv}U ZŒE]•Ÿv ^µu%Uo]})ŒE (ZŒE)ŒEšÇ}Œ šZ ŒE X DZ P <µlŒE
š ŒE•]v Z} lÀ]oo U D X

1DWLRQDO ,QVWLWXWHV RI +HDOWK RIIHUV
DOWHUQDWLEUHRWR SODQGV

By Irvin B. Harrell

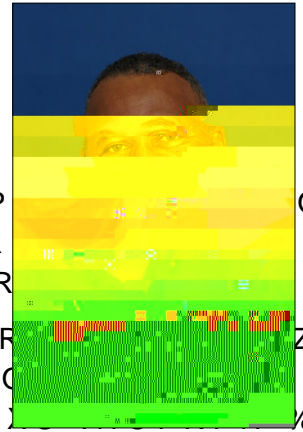
7XH &HQWHU IRU *OREDO +HDOWK LQ FROODERUDWLRQ
ZLWK VHYHUDO VFKRROV DQG SURJUDPV LQ WKH &RO
OHJH RI +HDOWK 6FLHQFHV KDG SODQV IRU DQ LQ
WHUSURIHVVLRQDO JURXS RI IDFXOW\ DQG VWXGHQWV WR WUDY
HO WR 6RXWK \$PHULFD DQG WKH &DULEEHDQ WKLV VSULQJ
%XW EHFDXVH RI JURZLQJ FRQFHUQV UHJDUGLQJ WKH =LND
YLUXV RXWEUHDN WKH WULS ZDV VFXWWOHG DQG ZLWK LW
VW-XŒE\URDG SODQV RI VWXGHQWV ZKR ZRXOG KDYH KDG
D FKDQFH WR OHDUQ ILUVWKDQG DERXW KHDOWK FRQFHQWV LQ D
GHYHORSLQJ FRXQWU\

^šµ vš• v (µošÇ ŒŒE]À š šZ E Ÿ}v o /v•Ÿš
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'HDQ¶V 0HVVDJH 'HDQ 6KHOOH\ & 0LVKRH 3K '

W H ZUDSSHG XS DQRWKHU RXWVWDQGLQJ DFDGH
FRQJUDWXODWH 'UV -LP %ODQGR DQG &KULVW
)RZOHU IRU WKHLU DZDUG RI WHQXUH DQG SURPRW
SURIHVVRU &RQJUDWXODWLRQV DOVR WR 'UV 0XJ
\$QQD -HQJ DQG .LPEHUO\ \$GDPV 7XIWV RQ WKHLU S
WR IXOO SURIHVVRU 6SHFLDO UHFRJQLWLRQ WR W
ZLWKLQ WKH &ROOHJH RI +HDOWK 6FLHQFHV ZKR H
JUDGXDWH DQG JUDGXDWH GHJUHHV IURP WKH ILYH
FLDO WKDQNV WR WKH &2+6 \$GYLVRU\ %RDUG DQG
FRPPLWWHHV WKURXJKRXW RXU VFKRROV DQG SUR
.XGRV WR (OOLH *DXJ GHQWDO K\JLHQH IRU EHLQ
*UDGXDWLRQ \$OXPQL \$ZDUG ZLQGHU DQG KHU PRV
DO IDFXOW\ PHPEHU 6KDURQ 6WXOO .XGRV WR &

FROM THE EDITOR



& RQJUDWXODWLRQV JUDGXDWHV DQG KDSS\ VXP OW\
 OHJH RI +HDOWK 6FLHQFHV , NQRZ IRU PDQ\ R ZLO
 EXW IRU WKRVH RI \RX ZKR JHW VRPH YDFDWLR H IX
 \$V \RX\YH SUREDEO\ QRW\ \$DQ\YH WKH & RQOH\H\U DWLR ZD\
 DO DQQLYHUVDU\ ZLOO IDOO RQ -XO\ D SDUWLFXO WLP
 ZLOO EH KHOG WKLV FRPLQJ IDOO VHPHVWHU DW R %DFN
 WKH HY\H\W RQHDVH WDNH D PRPHQW WR VDYH WKH GDWH DQG 5693
 7KH SLFQLF ZLOO QRW RQO\ SURYLGH DQ RSSRUWXQLW\ WR VRFLDOL
 PHQWV RI WKH FROOHJH IRU WKH SDVW \HDUV DQG KRQRU VH\YUD
 ZDUG WR VHHLQJ \RX WKHUH



7DNLQJ-~~GD~~KHHDFXU VLRQ ZHUH IDFXOW\ PHPEHUV 6KD
 URQ 6WXOO GHQWDO K\JLHQH &KULVWLQH 6XPS QXUVLQJ
 'HERUDK *UD\ QXUVLQJ GHQWDO K\JLHQH VWXGHQWV -DPLV
 %RQDQQR 6DPDQWKD %ODFN DQG 5HEHFFD %HKOLQJ QXUV
 LQJ VWXGHQWV -DQHOOH &DUROXV DQG &ODXGLD &KULVWLQR
 (906 2'8 0DVWHUV LQ 3XEOLF +HDOWK 3URJUDP VWXGHQWV
 7KRPDV 6PDLO DQG (PP\URVH .KDQ DQG 0\ 1JRF 1JX
 \HQ D 3K ' VWXGHQW LQ +HDOWK 6FLHQFHV 5HVHDUFK 7KH\
 ZRXOG UHQGH]YRXV(~~Q~~EW DW 1,\$)N'SLQDU

%RQDQQR D VHQLRU VDLG VKH ZDV LQLWLDOO\ GLVKH DUWHQHG WR
 OHDUQ WKDW WKH *XDWHPDODQ WULS KDG EHHQ VFUXEEHG

³:KHQ , KHDUG WKH QHZV WKH WULS ZDV FDQFHQHG QDWXUDOO\ ,
 ZDV YHU\ GLVDSSRLQWHG ' VKH VDLG ³, KDG ZRUNHG YHU\
 ORQJ DQG KDUG WR SUHSDUH IRU WKLV WULS DQG ZDV UHDOO\ ORRN
 LQJ IRUZDUG WR WKH H[SHULHQFH RI SURYLGLQJ RUDO KHDOWK
 FDUH WR WKRVH LQ QHHG LQ D 7KLVG :RUOG FRXQWU\ '

\$V VKH IRXQG RXW PRUH DERXW WKH =LND YLUXV DQG WKH
 WUHDW LW SRVHG WR WUDYHOHUV LQ WKDW UHJLRQ RI WKH JOREH
 GHFLVLRQ VWDUWHG WR PDNH VHQVH VDLG %RQDQQR ZKR JUDG
 XDNGLVPRQ

7KH JURXS DUULYHG DW 1,\$,' KHDGTXDUWHUV DERXW D P
 DQG DIWHU JHWWLQJ WKH SURSHU FOHDUDQFH WKH\ ZHUH HVFRUWH
 LQWR WKH LPSUHVVLYH IDFLOLW\ 1,\$,'¹V PLVLRQ LV WR SUR
 YLGH OHDGLQJ UHVHDUFK WR XQGHUVWDQG WUHDW DQG SUHYHQW
 LQIHFWLRXV LPPXQRORJLF DQG DOOHUJLF GLVHDVHV 7KH DJHQ
 F\ KDV WKH ~~OH~~WUHDWUHQGRSHUDWLQJ EXGJHW RI WKH

&RXSOH UHDO L]HV GUH

31HYHU GRXEW WKDW D VPDOO JURXS RI WKRXJKWIXO FRPPLWWHG F
WKH ZRUOG LQGHHG LW V WKH RQO\ WKLQJ WKDW HYHU KDV '

±0DUJDUHW 0HDG

6KDURQ 6WXOO DQG KHU KXVEDQG -RQ KDYH ORQJ GHVLUHG WR FU
W\ IRU GHQWDO K\JLHQH VWXGHQWV DW WKH &ROOHJH RI +HDOWK 6F
IXWXUH FKDQJH DJHQWV RI WKHLU SURIHVVLRQ 6KDURQ D 6FKRRO
IDFXOW\ PHPEHU KDV EHHQ LQYROYHG ZLWK LQFUHDVLQJ WKH SXEO
VWDXSHFLDOO\ WKRVMLRQVHW YXOQHUEOH

3, DOZD\V KDG D GUHDP WR EH D GHQWDO K\JLHQLVW ' 6KDURQ VD\
WU\ DQG DOZD\V EHOHYHG LQ GHFUHDVLQJ RUDO GLVHVVHV '

,Q WKH 6WXOOV\ YLVLRQ FDPH WUXH LQ WKH IRUP RI WKH &RPP
+HDOWK ,PSDFW 6FKRODUVKLS 7KH VFKRODUVKLS LV IRU DQ\ HQURC
VWXGHQW LQ WKH 6FKRRO RI 'HQWDO +\JLHQH ZKR PDLQWDLQV D
GHYHORSV DQG LPSOHPHQWV DQ H[WUDFXUULFXODU FRPPXQLW\ LPS
FRPPXQLW\ SDUWQHUV DQG SURYLGHV OHWWHUV RI DFFRPSOLVKPHQW
FRPH GDWD DQG D GHVLUH WR SXEOLVK WKHLU FRPPXQLW\ LPSDFW Z
UHYLHZHG MRXUQDO

6KDURQ DOVR KDV EHHQ D FOLQLFDO YROXQWHHU DV ZHOO DV DQ H
EHU IRU &KHVDSHDNH &DUH ,QF D IUHH PHGLFDO GHQWDO FOLQLF I
RI 9LUJLQLD IRU QXPHURXV \HDUV 6KH KDV EHHQ LQVWUXPHQWDO L
WEDVHWHSURJHURXUJH

6KH DOVR ZDV SUHVLGHQW RI WKH 2UDO +HDOWK ,PSURYHQLWWKH 2U



REPRINT FROM THE VIRGINIAN -PILOT

9LUJLQLD¶V FULWLFDO QHHG

\$6 \$ '2&725 DQG SXEOLF KHDOWK SUDFWLWLRQHU , NQRZ WKDW LPS LQJ FOLPDWH FKDQJH VDYHV OLYHV DQG HQVXUHV WKDW FKLOGUHQ DQ RSSRUWXQLW\ IRU D KHDOWK\ VWDUW LQ OLIH

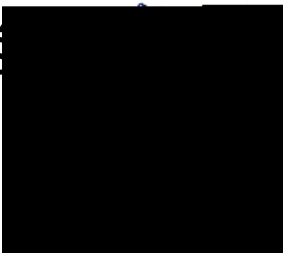
7KDW¶V ZK\ , ZDV SOHDVHG WR KH DU WKDW *RY 7HUU\ 0F\$XOLIIH UH LQJ UREXVW DQG HQIRUFHDEOH DLU SROOXWLRQ VDIHJXDUGV WR OL SODQWV LQ 9LUJLQLD DV RXWOLQHG LQ WKH &OHDQ 3RZHU 3ODQ

8QIRUWXQDWHO\ WKH B\6D 8RSUHRH I&RUGUWHGRWKH DGPLQLVWUD WLRQ RI 3UHVLGHQW %DUDFN 2EDPD WR VWDQG GRZQ RQ LPSOHPHQY XQWLO WKH SUHVLGHQW OHDYHV RIILFH QH[W \H DU 2EDPD DQG WKH XQYHLOHG WKH SODQ LQ \$XJXVW DV D FULWLFDO VWHS LQ FXUELQJ

:H PXVW FRQWLQXH ZRUN WR UHGXFH FDUERQ SROOXWLRQ 7KH KHD SODQ WR DGGUHVV WKLW LVVXH ZRXOG EH VLJQLILFDQW ZKLOH GHO EOH FRPPXQLWLHV- QH[HG HIGUWHLOLHPXURP WKH ULNVV RI DLU SROOXW FKDQJH

\$LU SROOXWLRQ IURP SRZHU SODQWV GULYHV FOLPDWH FKDQJH DQG QDWLRQZLGH 7KH FRQGLWLRQ DIIHFWV DQ HVWLPDWHG SHUFHQW

h %o }u]vP À v š



D Ç

0D\ 6HVVLQRQ FODVVHV EHJLQ

0D\ 5HWLUHPPHQW UHFHSWLRQ IRU)D\H &ROHPDQ D
DW S P

0D\ 0HPRULDO 'D\ +ROLGD\

:µv

-XQH 6HVVLQRQ H[DPV

-XQH 6HVVLQRQ FODVVHV EHJLQ



)RQG IDUHZHOOV

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îiîò 'Œ µ Ÿ}v Z %Ÿ}vX ' }ŒP]• }v šZ À ŒP }(Œ
 >KtWš v %Œ]o íñ À všU šZ }oo P •] P}} Ç š
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