

-RDQ &OLQHIHOWHU  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR  
&ROOHJH RI +XPDQLWLHV DQG 6RFLDO 6FLHQFHV

(PDLRDQ &OLQHIHOWHU#XQFR HGX

(GXFDWLRQ

3K' ,QGLDQD 8QLYHUVLW\  
\$UHD RI 6WXG\ ORGHUQ (XURSHDQ +LVWRU\

0\$ ,QGLDQD 8QLYHUVLW\  
\$UHD RI 6WXG\ ORGHUQ (XURSHDQ +LVWRU\

\$ % \*ULQQHOO &ROOHJH  
\$UHD RI 6WXG\ \*HUPDQ :HVWHUQ (XURSHDQ 6WXGLHV

3URIHVVLRQDO \$FDGHPLF ([SHULHQFH

3URIHVVURU 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR 3UHVHQW

\$VVRFLDWH 3URIHVVURU 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR

\$VVLVWDQW 3URIHVVURU 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR

\$VVRFLDWH ,QVWUXFWRU ,QGLDQD 8QLYHUVLW\  
,

\$VVRFLDWH ,QVWUXFWRU ,QGLDQD 8QLYHUVLW\  
,

,QVWUXFWRU ,QGLDQD 8QLYHUVLW\  
,

\$GPLQLVWUDWLYH 5ROHV

\$UHD +HDG

5(6(\$5&+ 6&+2/\$56+,3 \$1' &5(\$7,9( :25.6

3XEOLFDWLRQV

-XULHG

-RXUQDO \$UWLFOH

&OLQHIHOWHU - LQ SUHVV 1RW &KLOG V 3OD\ 3URSDJDQ  
+LVWRULFDO -RXUQDO RI )LOP 5DGLR DQG 7HOHYLVLRQ

&OLQHIHOWHU - %URDGFVWLQJ \*HURDQFHLQW\ 5,  
(XURSHDQ 6WXGLHV \$QQXDO

&OLQHIHOWHU - 5HPDNLQJ 1D]L &XOWXUH DQG ,GHQWL  
&RQQHFWLRQV (XURSHDQ 6WXGLHV \$QQXDO 5HYLHZ  
HXURSH EIX HGX FRQQHFWLRQV YRO B SGI

&OLQHIHOWHU - 7K HJRCIBKLDJLQH  
%RRN  
&OLQHIHOWHU -

7KH \$PHULFDQ +LVWRULFDO 5HYLHZ

&OLQHIHOWHU)LOPLQJ :RPHQ LQ WKH 7KLURG 6HFLKSE\ -R )R[  
7KH \*HUPDQ 4XDUWHUO\

&OLQHIHOWHU)HULSKHUDO 9LVLRQ +LGGHQ 6WDJHV RI :HLPDU  
&DOKRRO SS \*HUPDQ 6WXGLHV 5HYLHZ

&RQIHUHQFH )XOO 3DSHU 3URFHHGLQJ

&OLQHIHOWHU - 2YHUFRLQJ WKH )•KUUH E\ &RQIURQV  
DQG WKH \*HUPDQ(8DRW)HDQ 6WXGLHV &RQIHUHQFH 6HOHFW  
ZZX XQRPDKD HGX HVF SDSHUV KWPO

3URIHVVLQRQDO 3UHVHQWDWLRQV

,QYLWHG

1RQ MXULHG

&OLQHIHOWHU - \*HUPDQ 6WXGLHV \$VVRFLDWLRQ ([SHULHQ  
3LWWVEXUJK 3\$ 6HSWHPEHU

&OLQHIHOWHU - +RORFDXVW \$ZDUHQHV :HHN 'HJHQHUDW  
5HFLK +RORFDXVW 0HPRULDO 2UJDQL]DWLRQ (YDQV &2

&OLQHIHOWHU - \*UHHOH\ %URZQ %DJ 6HULHV \*UHHOH\ +LVV  
1HYHU .QHZ <RX :DQWHG WR .QRZ DERXW WKH +RORFDXVW  
&2 \$SULO

&OLQHIHOWHU - +RORFDXVW \$ZDUHQHV :HHN )LJKW )HPD  
+RORFDXVW &RORUDGR 6WDWH 8QLYHUVLW\ DQG )URQW 5  
5DQJH &RPPXQLW\ &ROOHJH )RUW &ROOLQV &2 )HEUXDUV

&OLQHIHOWHU - \*UHHOH\ .LZDQDV &OXE \*XHVW /HFWXUH 7  
5HIXJHH &ULVLV \*UHHOH\ .LZDQDV &OXE \*UHHOH\ &2 )H

&OLQHIHOWHU - \*UHHOH\ 5HWLUHG \$FDGHPLFV 6WXG\ 3URJ  
5HIXJHH &ULVLV \*UHHOH\ 6HQLRU &HQWHU DQG \*5\$63 \*UH

&OLQHIHOWHU - 81& \*UHHOH\ +RORFDXVW \$ZDUHQHV :HHN  
0DVV 6KRRWLQJV WR WKH 'HDWK &DPSV 8QLYHUVLW\ RI 1F  
/LEUDU\ \$SULO

&OLQHIHOWHU - +RORFDXVW \$ZDUHQHV :HHN %HIRUH WK  
6KRRWLQJV DQG WKH +RORFDXVW )URQW 5DQJH &R  
&ROOLQV &RORUDGR \$SULO

&OLQHIHOWHU - ,QVXULQJ &ROOHJH 6XFFHV /RYHODQG &  
&RORUDGR 0DUFK

&OLQHIHOWHU - 5LVH RI WKH 1D]LV /RYHODQG &0DVVLFDO  
0DUFK

&OLQHIHOWHU - .RVRYR )DPLO\ RI &KULVW 3UHVE\WHULD

1RW ,QYLWHG

-XULHG

&OLQHIHOWHU - \*HUPDQ 6WXGLHV \$VVRFLDWLRQ &DQ <RX  
3ROLWLFDO &RQVXPHUV RQ WKH 5DGLR 6WDWLRQ 5,\$6 %HU  
6HSWHPEHU

&OLQHIHOWHU - 6RXQGV RI 3RVWZDU \*HQGHUV :RPDQ DQC  
,VODQGHUV 5RFN\ 0RXQWDLQ 0RGHUQ /DQJXDJH \$VVRFLD  
2FWREHU

&OLQHIHOWHU - 3RSXODU &XOWXUH \$VVRFDWLRQ /LVWHQ  
%HUOLQ 5DGLR :DUV 3RSXODU &XOWXUH \$VVRFD

&OLQHIHOWHU - 3RSXODU &XOWXUH \$VVRFLDWLRQ \$XUDO  
5,\$6 %HUOLQ V 7KH ,VODQGHUV 1HZ 2UOHDQV /

&OLQHIHOWHU - \*HUPDQ 6WXGLHV \$VVRFLDWLRQ 0DSSLQJ  
'HQYHU &RORUDGR 2FWREHU

&OLQHIHOWHU - \*HUPDQ 6WXGLHV \$VVRFLDWLRQ 6SDWLDO  
'HQYHU &RORUDGR 2FWREHU

&OLQHIHOWHU - :HVWHUQ \$VVRFLDWLRQ RI :RPHQ +LVWRUL  
5,\$6 %HUOLQ LQ WKH V 3RUWODQG 2UHJRQ 0D\

&OLQHIHOWHU - 3RSXODU &XOWXUH \$VVRFLDWLRQ &DQ <R  
:RPHQ V 5DGLR LQ &ROG :DU \*HUPDQ\ :DVKLQJWRQ ' & 0

&OLQHIHOWHU - 0RGHUDWRU \*HUPDQ 6WXGLHV \$VVRFLDWL  
LQ WKH &ROG :DU 0LOZDXNHH :LVFRQVLQ 2FWREHU

&OLQHIHOWHU - \*HUPDQ 6WXGLHV \$VVRFLDWLRQ 3XOSV 0  
,GHQWLW\ 0DNLQJ LQ WKH 7ZR 3RVWZDU \*HUPDQLHV 0LOZ

&OLQHIHOWHU - (XURSHDQ 6WXGLHV &RQIHUHQFH 8QGHUV  
WKH )•KUUH 5HDGLQJ 0F&DUWK\LVP LQ DQG WKH \*HUPD  
1HEUDVND 2FWREHU

&OLQHIHOWHU - 0RGHUDWRU \*HUPDQ 6WXGLHV \$VVRFLDWL  
(FRQRPLF DQG &XOWXUDO 8VHV RI WKH ,URQ &XUWDLQ LQ  
/H[LQJWRQ .HQWXFN\ 6HSWHPEHU

&OLQHIHOWHU - )LUVW \$QQXDO ,QVWLWXWH RQ 7HDFKLQJ W  
<DG 9DVKHP WKH \$QWL 'HIDPDWLRQ /HDJXH 81& (QJOLVK I  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR

&OLQHIHOWHU - 3RSXODU &XOWXUH \$VVRFLDWLRQ 5,\$6 %H  
/LVWHQLQJ LQ &ROG :DU \*HUPDQ\ 6DQ \$QWRQLR 7H[DV \$

&OLQHIHOWHU - \*HUPDQ 6WXGLHV \$VVRFLDWLRQ %XLOGLQ  
WKH &ROG :DU :DVKLQJWRQ ' & 2FWREHU



&OLQHIHOWHU - 1(+ FRQIHUHQFH 1D]L &LQHPD 'RFXPHQW  
HZLJH -XGH DQG 'HU )XKUUH VFKHQNW GHQ -XGHQ HLQHU 6

&OLQHIHOWHU - ([SORULQJ \*UDGXDWH (GXFDWLRQ WKH )LU  
3UHVHQWLQJ WKH 3DVW &RORUDGR 6WDWH 8QLYHUVLW\

&OLQHIHOWHU - 6RFLDO 6FLHQFH +LVWRU\ \$VVRFLDWLRQ  
9|ONLVFK 0RYHPHQW DQG WKH \$UWLWLF 2OG \*XDUG &KLF

1RQ MXULHG

&OLQHIHOWHU - 5RFN\ 0RXQWDLQ /DQJXDJH \$VVRFLDWLRQ  
DQG %HUOLQHU 6FKQDX]H 6DQWD )H 10 2FWREHU

+DEHUPDQ \$ &OLQHIHOWHU - 8QLYHUVLW\ RI 1RUWKHUQ &  
\$VVHVVLQJ +LVWRU\ V 3URJUDP \$VVHVPHQW GXULQJ WKH  
\*UHHOH\ &RORUDGR 0DUFK

&OLQHIHOWHU - +LVWRU\ )DFXOW\ 6HPLQDU 0DSSLQJ WKH  
RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR 6HSWHPEH

&OLQHIHOWHU - ([SORULQJ WKH )XWXUH RI +RORFDXVW (GX  
6HTXHQLQJ 3ULPDU\ 6RXUFHV DV +LVWRULFDO 7KLQNLQJ  
+RORFDXVW 0HPRULDO 0XVHXP 'HQYHU &RORUDGR -XQH

&OLQHIHOWHU - 8QLYHUVLW\ RULHQWDWLRQ VHVVLQJ RQ  
VHVVLQJ IRU LQ FRPLQJ IUHVKPHQ 8QLYHUVLW\ RI 1RUWK

&OLQHIHOWHU - 81& 2QH 'D\ 8QLYHUVLW\ HYHQW LQ DVVRFL  
RSHQ WR WKH SXEOLF 1D]L 3URSDJDQGD 8QLYHUVLW\ RI  
&RORUDGR -XO\

&OLQHIHOWHU - +LVWRU\ 0DMRUV DW 81& SUHVHQWDWLRQ  
VWXGHQWV )URQW 5DQJH &RPPXQLW\ &ROOHJH )RUW &RO

&OLQHIHOWHU - +LVWRU\ )DFXOW\ 6HPLQDU 0F&DUWK\ DQ  
1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR 2FWREHU

&OLQHIHOWHU - )<( FODVV &RPPXQLFDWLQJ ZLWK <RXU 3U  
&RORUDGR \*UHHOH\ &RORUDGR 2FWREHU

&OLQHIHOWHU - 0 /XFLOH +DUULVRQ 3URIHVVRU /HFWXUH  
1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR 2FWREHU

&OLQHIHOWHU - -0& 5HSRUWLQJ &RQWHPSRUDU\ ,VVXH F  
DQG ,QWHUYLHZ D %RDUG 0HPEHU 8QLYHUVLW\ RI 1RUWK  
6HSWHPEHU

&OLQHIHOWHU - 7XUQHU +DOO UHVLGHQWV ,QWURGXFWLR  
1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR \$XJXVW

&OLQHIHOWHU - ,QWHUYLHZ E\ .).\$ KRVW /XNH 6KLOWV UHJ  
 LVVXHV DW 81& \$SULO

&OLQHIHOWHU - &DOGZHOO ' +RORFDXVW 5HPHPEUDQFH :  
 6FKROO )DUU 3XEOLF /LEUDU\ \*UHHOH\ &RORUDGR \$SU

&OLQHIHOWHU - +LVWRU\ )DFXOW\ 6HPLQDU %URDGFVWL  
 RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR 6HSWHPEH

&OLQHIHOWHU - +RORFDXVW \$ZDUHQHV :HHN 7KH )RUJRW  
 WKH \*KHWRV )URQW 5DQJH &RPPXQLW\ &ROOHJH )RUW &

&OLQHIHOWHU - \$FDGHPLF ([FHOHQFH :HHN \$FDGHPLF DQ  
 \$FDGHPLF ([FHOHQFH DQG WKH 5HDO :RUOG 8QLYHUVLW  
 \*UHHOH\ &RORUDGR \$SULO

&OLQHIHOWHU - 'HOWD 3KL \$OSKD \*HUPDQ +RQRUDU\ 6RFL  
 \*HUPDQ &XOWXUH :DUV LQ WKH V DQG V 8QLYHUVLW  
 \*UHHOH\ &RORUDGR )HEUXDU\

&OLQHIHOWHU - +LVWRU\ )DFXOW\ 6HPLQDU &RQWHVWHG 7  
 (XURSH 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &

&OLQHIHOWHU - &RORUDGR &KDSWHU RI WKH 3DODWLQHV R  
 EDQTXHW &RQWHVWHG 7HUULWRU\ \*HUPDQV DQG (DVWHU

&OLQHIHOWHU - %ULGJHV 5HVLGHQWLDO /LIH 3URJUDP +R  
 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR

&OLQHIHOWHU - ,QWHUYLHZ ZLWK -HII )DULDV RI WKH UDGL  
 DILOLDWH RI \$LU \$PHULFD DOVR DQVZHUHG FDOO LQ TXHV  
 3KRHL[ \$UL]RQD \$XJXVW

&OLQHIHOWHU - \*ROGHQ .H\ ,QGXFWRQ &RQYRFDWLRQ 8Q  
 \*UHHOH\ &RORUDGR 1RYHPEHU

&OLQHIHOWHU - +LVWRU\ )DFXOW\ 6HPLQDU 5HPDNLQJ 1D]  
 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR

+HDOG \* &OLQHIHOWHU - <XH - &RORUDGR \$VVRFLDWLR  
 3URMHFW 6\$,/6 6XEMHFW 6SHFLILF ,QVWUXPHQW 'HYHORS

&OLQHIHOWHU - 'LQQHU ZLWK +DUULVRQ +DOO UHVLGHQWV  
 3URJUDP 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\

&OLQHIHOWHU - %ULGJHV 5HVLGHQWLDO /LIH 3URJUDP +DU  
 )UHVKPDQ <HDU 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*U

&OLQHIHOWHU - +RORFDXVW :HHN \$QWL 6HPLWLVP DW WK  
 IRU WKH +RORFDXVW )URQW 5DQJH &RPPXQLW\ &ROOHJH

&OLQHIHOWHU - &+( VWXGHQWV 7KH 5ROH DQG 9DOXH RI 5  
&RORUDGR \*UHHOH\ &RORUDGR )HEUXDU\  
&OLQHIHOWHU - 0F1DLU 6FKRODUV 0HWKRG DQG 6WUXFWX  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR  
&OLQHIHOWHU - +RORFDXVW :HHN &DXVHV DQG &RQVHTXH  
5DQJH &RPPXQLW\ &ROOHJH )RUW &ROOLQV &RORUDGR \$  
&OLQHIHOWHU - &RPPXQLW\ +RORFDXVW 0HPRULDO 2EVHUY  
5HPHPEHU \$LPV &RPPXQLW\ &ROOHJH \*UHHOH\ &RORUDGR  
&OLQHIHOWHU - +RQRUV DQG 0RUWDU %RDUG FRQYRFDWLRQ  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR  
&OLQHIHOWHU - 6FKRODUV¶ 'D\ SUHVHQWDWLRQ ZLWK VWX  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR  
&OLQHIHOWHU - &RPPXQLW\ +RORFDXVW 0HPRULDO 2EVHUY  
DQG -HZLVK ,GHQWLW\ \$LPV &RPPXQLW\ &ROOHJH \*UHHOH  
&OLQHIHOWHU - -XQLRU 'D\ 7KH +XPDQLWLHV DW 81& 80  
\*UHHOH\ &RORUDGR \$SULO  
&OLQHIHOWHU - 8QLYHUVLW\ OHFWXUH IRU SURVSHFWLY  
'LVFRYHU 3URJUDP 7KH 1D]L 6HL]XUH RI 3RZHU \$QG <RX  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR  
&OLQHIHOWHU - +RQRUV UHVHDFK FRXUVH 5HVHDFK 0H  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR  
&OLQHIHOWHU - 3UHVHQWDWLRQ RI FXUUHQW UHVHDFK +  
1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR 2FWREHU  
&OLQHIHOWHU - &ROOHJH 7UDQVLWLRQ &HQWHU &RPPXQL  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR  
&OLQHIHOWHU - )UHVKPDQ +RQRUV RULHQWDWLRQ DQG :RU  
&RORUDGR \*UHHOH\ &RORUDGR 6HSWHPEHU  
&OLQHIHOWHU - 8QLYHUVLW\ OHFWXUH IRU SURVSHFWLY  
3URJUDP 6H[ 'UXJV DQG 5RFN DQG 5ROO RU +RZ ,/HDUQ  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR  
&OLQHIHOWHU - &KDLU :RPHQ¶V 6WXGLHV LQ 5XLQV" 7KH  
:RPHQ¶V 6WXGLHV DQG 3HGDRJ\ 8QLYHUVLW\ RI 1RUWKH  
&RORUDGR )HEUXDU\  
&OLQHIHOWHU - 8QLYHUVLW\ OHFWXUH IRU SURVSHFWLY  
'LVFRYHU 3URJUDP 7KH 1D]L 6HL]XUH RI 3RZHU \$QG <RX  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR  
&OLQHIHOWHU - \$UW )RUXP OHFWXUH VHULHV 'HJHQHUDW  
JDUGH )URQW 5DQJH &RPPXQLW\ &ROOHJH )RUW &ROOLQV  
&OLQHIHOWHU - &RPPXQLW\ +RORFDXVW 0HPRULDO 2EVHUY



-HZLVK 5HVLVWDQFH \$SULO

&OLQHIHOWHU - 0F1DLU 6FKRODUV 3URJUDP +XPDQLWLHV  
1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR )HEUXDU\

&OLQHIHOWHU - %URZQ EDJ SDQHO GLVFXVVLQR IRU WKH H  
.RVRYR )RUW &ROOLQV &RORUDGR 2FWREHU

&OLQHIHOWHU - 81& +LVWRU\ )DFXOW\ &ROORTXLXP 9|ONL  
1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR 0DUFK

&OLQHIHOWHU - ,QWHUQDWLRQDO :HHN 3RVW &ROG :DU (X  
RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR )HEUXDU\

&OLQHIHOWHU - 81& 0F1DLU 6FKRODUV 3URJUDP 5HVHDF  
1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR )HEUXDU\

&OLQHIHOWHU - 3UHVHQDWLRQ WR 81& 3KL \$OSKD 7KHWD  
3URSDJDQGD LQ :: ,, 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR  
6HSWHPEHU

&OLQHIHOWHU - )LUVW <HDU ([SHULHQFH FODVV LQ 0F(ZHQ  
3URIHVVRUV 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\

&OLQHIHOWHU - 0F1DLU 6FKRODUV :RUNVKRS ,QWHUS  
1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR 0D\

&OLQHIHOWHU - 0F1DLU 6FKRODUV :RUNVKRS 3UHVHQ  
1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR 0D\

&OLQHIHOWHU - -XQLRU +RQRUV 6RFLHW\¶V DQQXDO )DYRU  
/LRQ 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR

&OLQHIHOWHU - ,QWHUQDWLRQDO :HHN 1\$72 ([SDQVLRQ ,  
1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR 0DUFK

&OLQHIHOWHU - /HFWXUH WR WKH \*UHHOH\ 3KLOKDUPRQLF  
\$JH RI 6WUDXVV -DQXDU\

&OLQHIHOWHU - 'HOWD 3KL \$OSKD \*HUPDQ +RQRUDU\ 6RFL  
\$HVWKHWLF (XJHQLFV 'HJHQHUDWH \$UW DQG WKH 7KLUG 5  
&RORUDGR \*UHHOH\ &RORUDGR 1RYHPEHU

&OLQHIHOWHU - +LVWRU\ )DFXOW\ 6HPLQDU %HWWLQD )HL  
:RPDQ 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR

&OLQHIHOWHU - 7KH /DVW /HFWXUH 6HULHV 7HDFKLQJ 3DV  
\$VVRFLDWLRQ :LHENLQJ +DOO DQG :HEE +RXVH 8QLYHUVL  
\*UHHOH\ &RORUDGR \$SULO

&OLQHIHOWHU - +DUULVRQ +DOO¶V &DUHHU 1LJKW :KDW &  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR

&OLQHIHOWHU - /DVW /HFWXUH 6HULHV VSRQVRUHG /DVW  
81& &DPSXV 0LQLVWULHV \*UHHOH\ &RORUDGR 0DUFK

&OLQHIHOWHU - 81& IDFXOW\ SDQHO 7KH &XUUHQW 6LWXD  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR

&OLQHIHOWHU - :LHENLQJ +DOO 1HR 1D]LV LQ WKH 86 8Q  
\*UHHOH\ &RORUDGR \$SULO

&OLQHIHOWHU - 3KL \$OSKD 7KHWD 5HJLRQDO &RQIHUHQFH  
3ROLFLHV \*HUPDQ\ WKH 8QLWHG 6WDWHV DQG WKH :RUOC  
&RORUDGR \*UHHOH\ &RORUDGR \$SULO

&OLQHIHOWHU - +RORFDXVW \$ZDUHQHVV :HHN -HZLVK 5HV  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR

&OLQHIHOWHU - +LVWRU\ )DFXOW\ 6HPLQDU ,QWURGXFWLR  
\*HUPDQ )DPLOLHV 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR

&OLQHIHOWHU - 81& IDFXOW\ SDQHO 7KH &XUUHQW 6LWXD  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR \*UHHOH\ &RORUDGR

&OLQHIHOWHU - 7KH &XUUHQW 6WDWH RI %RVQLD 8QLYHU  
&RORUDGR 6HSWHPEHU

\*5\$176

)XQGHG

&OLQHIHOWHU - 5,\$6 %HUOLQ 6RXQGLQJ WKH &ROG :DU  
5HVHDFK DQG 'LVVHPLQDWLRQ )XQG 81& 0D\ -XO

&OLQHIHOWHU - 'DQ &RUVRQ 6FKRODUVKLS 6SRQVRUHG E\ &RO  
-DQXDU\ )HEUXDU\

&OLQHIHOWHU - 7HDFKLQJ WKH +RORFDXVW ZLWK )LOP DQG 0HC  
)DFXOW\ 6HPLQDU 86 +RORFDXVW 0HPRULDO 0XVHXP :DVKLQJW

&OLQHIHOWHU - )XQGHG SDUWLFLSDQW LQ WKH ([SORULQJ WKH  
8QLYHUVLW\ RI 'HQYHU 5HJLRQDO (GXFDWLRQ 6XPPLW SDUWLFL  
H[SHQVHV SDLG 6SRQVRUHG E\ 8QLWHG 6WDWHV +RORFDXVW 0

&OLQHIHOWHU - )XQGHG SDUWLFLSDQW LQ WKH -DFN DQG \$  
+RORFDXVW \*HRJUDSKLHV \$Q ,QWHUGLVFLSOLQDU\ \$SSURDFK Y  
LQFOXGHG VWLSHQG IRU WUDYHO ORGJLQJ DQG PHDOV 6SRQV  
0XVHXP LQ :DVKLQJWRQ '&

&OLQHIHOWHU - 3URYRVW 5HVHDFK \*UDQW IRU UHVHDFK LQ

&OLQHIHOWHU - 1DWLRQDO (QGRZPHQW IRU WKH +XPDQLWLHV 6  
5,\$6 DW WKH \*HRUJH & 0DUVKDOO 5HVHDFK /LEUDU\ DQG UHFR  
86,\$ DW WKH 1DWLRQDO \$UFKLYHV LQ &ROOHJH 3DUN

&OLQHIHOWHU - 'HXWVFKHU \$NDGHPLVFKHU \$XVWDXVFKGLHQVW  
3RWVGDQ DQG %HUOLQ

&OLQHIHOWHU - )XQG UHVHDFK LQ 3RWVGD DQG %HUOLQ 6S  
3XEOLFDWLRQV %RDUG 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR

&OLQHIHOWHU - 6\$,/6 6WDQGDUGLJHG \$VVHVPHQW RI ,QIRUPD  
6SRQVRUHG E\ \$VVRFLDWLRQ RI 5HVHDFK /LEUDULHV DQG .HQV

&OLQHIHOWHU - 'HVLJQDWHG DV 6XPPHU 5HVHDFK 3URIHVVRU  
UHVHDFK LQ \*HUPDQ\ 6SRQVRUHG E\ 81& \*UDGXDWH 6FKRRO

&OLQHIHOWHU - 7KH 1DWLRQDO \$VVRFLDWLRQ RI \*HUPDQ \$UWL  
DFKLYDO UHVHDFK LQ %HUOLQ 6SRQVRUHG E\ )DFXOW\ 5HV  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR

&OLQHIHOWHU - 7KH (YROXWLRQ RI 1DJL \$UW \*UDQW DZDUGHG  
FRPSOHWH P\ PDQXVFULSW 6SRQVRUHG E\ )DFXOW\ 5HVHDFK  
8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR

&OLQHIHOWHU - 1DWLRQDO (QGRZPHQW IRU WKH +XPDQLWLHV '  
'LHQVW 6XPPHU 6HPLQDU IRU &ROOHJH 7HDFKHUV 3&LQHPD LQ  
VL[ ZHHN VHPLQDU DW &RUQHOO 8QLYHUVLW\ ,WKDFD 1<

&OLQHIHOWHU - 0HOORQ 'RFWRUDO 'LVVHUWDWLRQ :ULWH 8S )H  
(XURSHDQ 6WXGLHV 1DWLRQDO 5HVRXUFH &HQWHU ,QGLDQD 8Q

&OLQHIHOWHU - 'HXWVFKHU \$NDGHPLVFKHU \$XVWDXVFK 'LHQVW  
8QLYHUVLW\ %RQQ

&OLQHIHOWHU - ,QGLDQD +HULWDJH 5HVHDFK \*UDQW 3DUWLFL  
LGHQWLILFDWLRQ DQG FDDORJLQJ RI WKH SKRWRJUDSK FROOH  
'\*HUPDQ \$PHULFDQV RI ,QGLDQDSROLV'

&OLQHIHOWHU - 0D[ .DGH )HOORZ 6SRQVRUHG E\ ,QVWLWXWH

&OLQHIHOWHU - '\$\$' 6FKRODUVKLS IRU WKH 6XPPHU 6HPLQDU LQ  
'\*HUPDQ 4XHVW IRU 1DWLRQDO ,GHQWLW\ ' 6SRQVRUHG E\ 8QLY  
&DOLIRUQLD

7(\$&+,1\*

7HDFKLQJ ([SHULHQFH

8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR

&RXUVHV 7DXJKW

+,67 7KUHH \*HUPDQLHV FRXUVHV FUHGLW KRXUV  
 +,67 +LVWRU\ RI WKH +RORFDXVW WR WKH 3UHVHQW F  
 +,67 0RGHUQ (XURSH FRXUVHV FUHGLW KRXUV  
 +,67 :RPHQ LQ (XURSH IURP WR SUHVHQW FRXUVHV  
 +,67 7KH +LVWRULDQ V &UDIW FRXUVH FUHGLW KRXUV  
 +,67 'LUHFWHG 6WXG\ FRXUVH FUHGLW KRXUV  
 +,67 6HPLQDU LQ +LVWRU\ FRXUVHV FUHGLW KRXUV  
 +,67 ,QWHUQVKLS FRXUVHV FUHGLW KRXUV  
 +,67 6HPLQDU LQ +LVWRU\ FRXUVH FUHGLW KRXUV  
 +,67 6HPLQDU LQ (XURSHDQ +LVWRU\ FRXUVHV FUHGLW  
 +,67 +LVWRULRJUDSK\ FRXUVHV FUHGLW KRXUV  
 +,67 'LUHFWHG 6WXGLHV FRXUVHV FUHGLW KRXUV  
 +,67 7KHVLV FRXUVHV FUHGLW KRXUV  
 +21 -XQLRU +RQRUV 6HPLQDU FRXUVHV FUHGLW KRXUV  
 +21 6HQLRU +RQRUV 5HVHDFK 7KHVLV FRXUVHV FUHGLW

'LUHFWHG 6WXGHQW /HQUQLQJ

5HVHDFK 'D\ 6WXGHQW 3DQHO 3URSDJDQGD IRU WKH 5HLFK 1D]L  
 )DVKLRQ DQG &KLOGUHQ )HEUXDU\ 3UHVHQW  
 \$GYLVHG 6DUDK 5LWWHU \$O\VVD )UDQNOLQ \$ULND -RKQVRQ  
  
 0DVWHU V 7KHVLV &RPPLWWHH 0HPEHU  
 \$GYLVHG \$PEHU 1LFNHO  
  
 0DVWHU V 7KHVLV &RPPLWWHH 0HPEHU  
 \$GYLVHG -DVRQ 6WDUNRYLFK  
  
 0DVWHU V 7KHVLV &RPPLWWHH &KDLU  
 \$GYLVHG 0LFKHOOH +LOOLQ  
  
 0DVWHU V 7KHVLV &RPPLWWHH 0HPEHU  
 \$GYLVHG 0DUN \$QGHUVRQ  
  
 0DVWHU V 7KHVLV &RPPLWWHH &KDLU  
 \$GYLVHG (OL]DEHWK /H)HEUH  
  
 0DVWHU V 7KHVLV &RPPLWWHH &KDLU  
 \$GYLVHG 1LFROH 7D\ORU  
  
 0DVWHU V 7KHVLV &RPPLWWHH 0HPEHU  
 \$GYLVHG -RKQDWKDQ 9VWHFND

0DVWHU V 7KHVLV &RPPLWWHH 0HPEHU  
\$GYLVHG ,DQ +LOO

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\$GYLVHG -DVRQ \$SSHOKDQV

0DVWHU V 7KHVLV &RPPLWWHH 0HPEHU  
\$GYLVHG 6WHSKDQLH .RVWLFN

&RPSUHKHQVLYH ([DPV &KDLU  
\$GYLVHG \$PDQGD %UD]]HO

0DVWHU V 7KHVLV &RPPLWWHH 0HPEHU  
\$GYLVHG .DWH ,P\

1RQ &UHGLW ,QVWUXFWLRQ

\*XHVW /HFWXUH 7HDFKLQJ WKH +RORFDXVW 3UHVHQW

5HVHDFK 'D\ 3DQHO IRU 6WXGHQWV \$FDGHPLF ([FHOHQFH :HHN  
\$SULO

1RPLQDWHG WZR +LVWRU\ UHVHDFK SDSHUV IRU +66 DZDUG &RO  
\$SULO

\*XHVW /HFWXUH 7HDFKLQJ WKH +RORFDXVW

\*XHVW /HFWXUH 7HDFKLQJ WKH +RORFDXVW

\*XHVW /HFWXUH 7HDFKLQJ WKH +RORFDXVW

6(59,&(

8QLYHUVLW\ 6HUFLFH

)DFXOW\ 7UXVWHH 81& %RDUG RI 7UXVWHHV -XO\ 3UHVHQW

&RPPLWWHH 0HPEHU &RPPLWWHH WR 5HYLHZ 81& 2SWLRQDO 5HWL  
3UHVHQW

&RPPLWWHH 0HPEHU 6DODU\ (TXLW\ &RPPLWWHH 3UHVHQW

9DULRXV 'XWLHV 81& +LVWRU\ 'D\ 3UHVHQW

(OHFWHG PHPEHU IRU +66 7HQXUH \$SSHDOV &RPPLWWHH

/HG WKH ZRUNVKRS \$GYLVLQJ :RUNVKRS QW

\$VVHVVP HQW /HDGHUVKLS ,QVWLWXWH  
&RPPLWWHH &KDLU +/& &ULWHULRQ ,QWHJULW\ &RPPLWWHH  
&RPPLWWHH &KDLU 6DODU\ (TXLW\ &RPPLWWHH  
&KDLU 'XW\ 81& 6XPPHU 2ULHQWDWLRQV

5HSRUW \*HQHUDWHG RQ -XO\

0HPEHU 3ROLWLFDO 6FLHQFH VHDFK FRPPLWWHH  
&KDLU (QJOLVK (VVD\ ([DP \$OWHUQDWLYH 7DVN )RUFH  
+RQRUV 7KHVLV \$GYLVRU .LUVWHQ 2OVRQ  
&RPPLWWHH 0HPEHU \$ 6 7HFKQRORJ\ \$GYLVRU\ &RPPLWWHH  
,QWHUQDWLRQDO 7UDGH DQG 5HODWLRQV \$GYLVRU 0 %XOODUG  
\*HUPDQ\ \$ &RPSDULVRQ RI &DSLWDOLVW DQG &RPPXQLVW 6\VV  
,QWHUQDWLRQDO 7UDGH DQG 5HODWLRQV 5HDGHU 6 0HUWHQ 7K  
5RQDOG ( 0F1DLU 6FKRODUV 3URJUDP 0HQWRU &KULVWRSKHU %H  
EHVW UHVHDFK SDSHU GXULQJ WKH 0F1DLU VXPPIHU SURJUI  
6HFRQG \$QQXDO 0F1DLU 6FKRODUV 5HWHUHDW 0DUFK  
&R 2UJDQL]HU DQG -XGJH 3KL \$OSKD 7KHWD 5HJLRQDO &RQIHUHQ

&ROOHJH 6HUFLFH

&RPPLWWHH 0HPEHU 3ROLWLFDO 6FLHQFH 6HDFK &RPPLWWHH 1  
&RPPLWWHH 0HPEHU +66 3ROLF\ DQG 3URFHGXUHV &RPPLWWHH  
&RPPLWWHH 0HPEHU +66 &ROOHJH /HDGHUVKLS &RPPLWWHH &KDI  
&RPPLWWHH 0HPEHU +66 \*RYHUQDQFH &RPPLWWHH  
&RPPLWWHH 0HPEHU +66 )DFXOW\ 5HSUHVHQWDWLYH (OHFWLRQ &  
&ROOHJH /HDGHUVKLS &RPPLWWHH ZRUN JURXS RQ VWXGHQW /HD  
&RPPLWWHH 0HPEHU \$IULFDQD 6WXGLHV 6HDFK &RPPLWWHH PHP  
,QWHUQDWLRQDO 7UDGH DQG 5HODWLRQV 7KHVLV 5HDGHU - \*RUF  
,QWHUQDWLRQDO 7UDGH DQG 5HODWLRQV 7KHVLV 5HDGHU 0 %XO

'HSDUWPHQW 6HUFLFH

&RPPLWWHH 0HPEHU 'HSDUWPHQW (YDOXDWLRQ &RPPLWWHH \$XJ  
&RPPLWWHH &KDLU :RUOG +LVWRU\ DQG 6HFRQGDU\ (GXFDWLRQ 6  
\$SULO  
)DFXOW\ \$GYLVRU \$GYLVRU IRU +LVWRU\ IDFXOW\ RQ OHDYH  
)DFXOW\ \$GYLVRU 6XPPHU 6WXGHQW \$GYLVLQJ  
&KDLU &KDLU 'HSDUWPHQW RI +LVWRU\ \$XJXVW  
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)DFXOW\ \$GYLVRU +LVWRU\ 3RVW %DF \$GYLVRU  
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&KDLU \$VLDQ 6HDUFK &RPPLWWHH  
+LVWRU\ /LEUDU\ 5HSUHVHQWDWLYH  
&RPPLWWHH 0HPEHU +RORFDXVW (VVD\ \$ZDUG &RPPLWWHH  
+RQRUV \$GYLVRU +LVWRU\  
&RPPLWWHH 0HPEHU \*UDGXDWH &RPPLWWHH  
%\HUO\ \$ZDUG &RPPLWWHH  
5XVVLDQ +LVWRU\ 6HDUFK &RPPLWWHH  
WK &HQWXU\ 86 6RFLDO +LVWRU\ 6HDUFK &RPPLWWHH  
&R RUJDQL]HU 'HSDUWPHQW )DFXOW\ &ROORTXLXP  
([HFXWLYH &RPPLWWHH  
&RPPLWWHH &KDLU 'HSDUWPHQW (YDOXDWLRQ &RPPLWWHH  
&RPPLWWHH &KDLU +LVWRU\ 'HSDUWPHQW¶V '(&  
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([HFXWLYH &RPPLWWHH  
&RPPLWWHH 0HPEHU \*UDGXDWH &RPPLWWHH  
&RPPLWWHH 0HPEHU 2XVVDQGLQJ +LVWRU\ 6WXGHQW \$ZDUGV &  
3URIHVVLQRQDO 6HUYLEFH  
([WHUQDO 5HYLHZHU +LVWRU\ 'HSDUWPHQW DW &RORUDGR 6WDWH  
2UJDQL]HU 86 +RORFDXVW 0HPRULDO 0XVHXP WKH JXHVV OHFWXU



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:RUNVKRS 1DWLRQDO \$OOLDQFH RI 3UHVHUYDWLRQ &RPPLVVLRQV  
&RPPLVVLRQV 0RELOH \$/ -XO\ -XO\

&RQIHUHQFH \$WWHQGDQFH &RORUDGR 3UHVHUYDWLRQ 6DYLQJ 30  
)HEUXDU\ )HEUXDU\

)DFXOW\ )HOORZVKLS 2Q /LQH 7HDFKLQJ \$FDGHP\ 81& 0D\

:\$5'6 \$1' +21256

2WKHU

)DFXOW\ \$\$SUHFLDWLRQ 1LJKW E\ WKH 81& YROOH\EDOO WHDP 21

)LUVW <HDU↑V 6FKRODU 2XWVWDQGLQJ )DFXOW\ 8QLYHUVLW\ RI 1

)LUVW <HDU↑V 6FKRODU 2XWVWDQGLQJ )DFXOW\ 8QLYHUVLW\ RI 1

)LUVW <HU 6FKRODU 2XWVWDQGLQJ )DFXOW\ )HEUXDU\

0 /XFLOH +DUULVRQ 3URIHVVRU 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR

1RPLQDWHG IRU ,QVSLULQJ :RPDQ :RPHQ V 5HVRXUFH &HQWHU 81&  
\$SULO

2XWVWDQGLQJ 3URIHVVRU 0RUWDU %RDUG 8QLYHUVLW\ RI 1RUWKHUQ

\$SULO

5HFRJQLWLRQ E\ D VWXGHQW IRU 3VXSHULRU SHGDJRJLFDO PHWKRS  
5HFRJQLWLRQ &HOHEUDWLRQ \$SULO

:KR↑V :KR \$PRQJ \$PHULFD↑V 7HDFKHUV

5HFRJQLJHG E\ D VWXGHQW DV D IDFXOW\ PHPEHU ZKR 3LQVSLUHV  
\$FDGHP\ 5HFRJQLWLRQ &HOHEUDWLRQ \$SULO

:KR↑V :KR \$PRQJ \$PHULFD↑V 7HDFKHUV

3)DYRULWH )DFXOW\ 5HFRJQLWLRQ 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR  
0DUFK

5HFRJQLWLRQ DV D IDFXOW\ PHPEHU ZKR 3H[FHHGHG VWXGHQW H[  
\$VVRFLDWLRQ RI WKH 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR )H

)DYRULWH 3URIHVVRU \$ZDUG 0RUWDU %RDUG 8QLYHUVLW\ RI 1RUWKHUQ

,QWHUQDWLRQDO 3URIHVVRU RI WKH <HDU \$OSKD 3KL )RXQGDLWLRQ

3URIHVVRU RI WKH <HDU \$OSKD 3KL 8QLYHUVLW\ RI 1RUWKHUQ &RORUDGR

)DYRULWH 3URIHVVRU \$ZDUG 0RUWDU %RDUG 8QLYHUVLW\ RI 1RUWKHUQ

3URIHVVRU RI WKH 6HPHVWHU \$OSKD 2PLFURQ 3L \$SULO

:KR↑V :KR \$PRQJ \$PHULFD↑V 7HDFKHUV

\$FDGHPLF ([FHOHQFH :HHN \$FNQRZOHGJHPHQW RI \$SSUHFLDWLRQ  
3L \$SULO

\$FDGHPLF ([FHOHQFH :HHN \$FNQRZOHGJHPHQW RI \$SSUHFLDWLRQ  
\$SULO

\$SSUHFLDWLRQ \$ZDUG +LVWRU\ &OXE DQG 3KL \$OSKD 7KHWD 8QL

+RQRUHG DW WKH 3)DYRULWH 3URIHVVRU 'D\' 8QLYHUVLW\ RI 1RU

5HFRJQLJHG E\ VWXGHQWV DW WKH :RPHQ↑V 5HVRXUFH %DQTXI  
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\$SULO

7HDFKLQJ ([FHOHQFH \$ZDUG 7KH &ROOHJH RI \$UWV DQG 6FLHQF  
\$XJXVW

+RQRUHG DW WKH 81& -XQLRU +RQRUV 3)DYRULWH )DFXOW\ /XQFKH

81& \*ROGHQ .H\ 1DWLRQDO +RQRU 6RFLHW\ 2FWREHU

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7HDFKLQJ

)DFXOW\ \$SSUHFLDWLRQ 1LJKW 81& :RPHQ V 6RFFHU 7HDP 2FWR

)LUVW <HDU 6FKRODU 2XWVWDQGLQJ )DFXOW\ 0DUFK

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&HQWHU IRU \$GYDQFHG +RORFDXVW 6WXGLHV 3UHVHQW

3RSXODU &XOWXUH \$VVRFLDWLRQ 3UHVHQW

6RXWKHUQ +LVWRULFDO \$VVRFLDWLRQ 3UHVHQW

\*HUPDQ 6WXGLHV \$VVRFLDWLRQ 3UHVHQW

\$PHULFDQ +LVWRULFDO \$VVRFLDWLRQ 3UHVHQW

6RXWKHUQ +LVWRULFDO \$VVRFLDWLRQ 3UHVHQW

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\$PHULFDQ \$VVRFLDWLRQ RI 8QLYHUVLW\ 3URIHVVRUV