

# 7KH FDXVHV DQG FRUHFWMYH FRXQMUP HDVXUHV RI FKLOUHQV DJJUHMLYH EHKDYLRUFDXVHG E\ SDUHQMQJ VWO

O XFKHQ: HL

) DFXQV RI ( GXFDMRQ %HMQJ &LVW8 QLYHUWV %HMQJ &KLOD

\$ EVWDFW \$ JJUHWLYH EHKDYLRU LQ \RXQJ FKLOUHQ LV RQH RI VWH NH VRSLEV RI VRGD V UHFHURK 6RP H UHFHURKLV KDYH IRXGG VMDGLIHFHQVSDUHQMQJ VWOV KDYH D VJQILFDOVLP SDFWRQ FKLOUHQV DJJUHMLYH EHKDYLRU EXWVUHFVWVWODDFN RI DXQILGHJ SODDNRQIRULWFDXVHV DQGRKZ VR FRUHFWMV7KHU RUH VWH UHFHURK VRSF RI VMLVSDSHULV VWH FDXVHV DQG FRUHFWMYH FRXQMUP HDVXUHV RI DJJUHMLYH EHKDYLRU LQ \RXQJ FKLOUHQ FDXVHG E\ SDUHQMQJ VWOV 7KH UHFHURK P HMRG/RI VMLVSDSHU DUH D IRDZ V ILVW VWH QMUDMUH UHFHURK LQUHDNG ILHQB/LQUHFHQV HDU/LV FRDFVNG DQG VFRGD VWH FRDFVNG QMUDMUH/LV DQDQJ HG 7KH VMG IRXGG VMDVWHUHLV D VJQILFDOVSRVWYHFRUHFWMRQEHVZHQFKLOUHQV DJJUHMLYH EHKDYLRU DQG GRM Q QLVH J DUH DQG DXMRUMUDQI DFRV DQGVWHUHLV D VJQILFDOVQHDYHFRUHFWMRQZLVK GPF RFDNF IDFRV DQG VWH RGHU SDUHQV DUH P RUH QNH VR XV LQDSSURSUDM SDUHQMQJ P HMRG/IRU HGXFDMRQ , Q JHQHUO GPF RFDNF SDUHQMQJ LV YHU GHMDEGH DQG DVMH VPH VPH LVV VSSOP HQMG E\ VWH JXLEDGFH DQG LQMLYHQMRQ SDUHQV DQGNLGHJDUHQV/VRKRZ LVWHIFVWYHQV

## QMRGXFMRQ

5 HMDFK EDFNU URXQG

\$ JJUHWLYH EHKDYLRU LV D FRP P RQ SUREOP DMF VRFDO EHKDYLRU LQ \RXQJ FKLOUHQ RI VWP DQILHMG DV SK VFDQ KLVWQJ VFDNRQJ EVMQJ NFNQJ HAF RU YHEDD LQXQVQJ GHDP LQJ HAF DMDFN RQ RWHV D VZHODV EHKDYLRU VFK DV VNLQJ RWHV EHQJLQJ V ZKLFK LV DOR DQ IP SRUWQVSDUVRV VWH LQBYLGD VRFDOJ DMRQ GHYHOSP HQVRI \RXQJ FKLOUHQ , QNLGHJDUHQV \RXQJ FKLOUHQ ZLVK DJJUHMLYH EHKDYLRU FDQ SRVH D VWHU DMR RWHV GLVXSWRUP DQIH DQG WDFKQJ RGHU FDXV P RWHFKLOUHQ VR DYRLG VHP DQGP DNHWDFKLV VAKJQI ZLVK KRZ VR GDOZLVK VWH RYHU DJJUHMLYH \RXQJ FKLOUHQ 7KH \HDU RQ VWH LV FUXLDDIRU VWH KDOM GHYHOSP HQVRI \RXQJ FKLOUHQ 7KH FXUHQV \* XIGQJ 2XWQH IRU LQGHJDUHQV ( GXFDMRQ SXW IRUZ DQ P DQ UHTXUHP HQV IRU VWH JRDV RI HDU FKLOKRRG HGXFDMRQ LQFOXGQJ D VSLUVRV VRODUW DQG FRRSHU DMRQ HP SDM DQG D QNLQ IRU VRFDOJ LQJ ZLVK RWHV \$ FKLYLQJ VWH HGXFDMRQ D JRDV UHTXUHP FRDFVYH HGXFDMRQ IURP SDUHQV VAKRQV DQG VRFHW 5 HMDFK VRZV VMDV \RXQJ FKLOUHQ ZKR H KLEW DJJUHMLYH EHKDYLRU HDU RQ DUH P RUH QNH VR EFRPH SHSHADRUV RI FDP SXV YRDFH DV VWH JURZ XS &XQYDMQJ \RXQJ FKLOUHQV VRFDO TXDMV LV D QJ SURFHV ZLVK VAKRQV DQG IDP LQHV EHQJ VWH P DQ HQYLRCP HQV ) DPLO HGXFDMRQ LV DQ D V SDUP RXQV LQ FKLOUHQV QYHV DQG VWH XSEUQJ LQJ VWOH FDQ GHMUP LQH VWHU LQWDO EHKDYLRU DQ VMLQV VRZ DQV RWHV 7KH UHDMRQKLS EHVZHQ \RXQJ FKLOUHQV DJJUHMLYH EHKDYLRU DQG SDUHQMQJ VWOV LV FRVH DQNG , I

DJJUHMLYH EHKDYLRU SHUWV RU FRQMQXV LQ \RXQJ FKLOUHQ LV ZLOO LQHYLDEO D IHFW VWHU SHURDQV GHYHOSP HQV DQG VRFDOJ DMRQ DQG VAKRQV EH VNHQ VUHXV

, Q VWH SDWVGHFDGH RU VZR SUHAKRRO HGXFDMRQ UHFHURKLV LQ &KLOD KDYH DOR SDG P RUH DQG P RUH DMWQRQ VR VWH UHFHURK RQ VWH VRFDOGHYHOSP HQVRI FKLOUHQ LQFOXGQJ P DQ VAKRQV ZKR KDYH FRQGFVNG D P RUH V VWP DMF DQDQV LV RI VWH FDXVHV DQG FKUDFWMV VV RI SUHAKRRO FKLOUHQV DJJUHMLYH EHKDYLRU \$ VWH VPH VPH VLFH VMLV FQMV VPH VAKRQV KDYH H SORUHG VWH GHYHOSP HQVRI FKLOUHQV VRFDO EHKDYLRU EDVHG RQ VWH UHFHURK RQ FKLOUHQV SV FAKRQV DQGRXGG VMDVWH GHYHOSP HQVGLIHFHQV RI FKLOUHQV SV FAKRQV LQDMRUV ZHUHQGHUHDNG VR VWHU VRFDO EHKDYLRU GHYHOSP HQV 7KHU LV D FHWLQ FQVH UHDMRQKLS EXWVUHF VHP VR EH GLIHFHQV UHDMRQKLS SDWMLQV ZLVK GLIHFHQV DSHFW RI VRFDO EHKDYLRU GHYHOSP HQV )URP VWH UHFHURK RQ VWH UHDMRQKLS EHVZHQ SUHAKRRO FKLOUHQV P HQDOKDOM VMDV DQG VWHU VRFDO EHKDYLRU DQ IDP LO HQYLRCP HQV LQ FKLOUHQV P HQDOKDOM VMDV VWHU DUH VJQILFDOV GLIHFHQV LQ EHKDYLRU DQVRLGHU IDFRV DQG VRFDO LQMLDFMRQ IDFRV LQ WLP V RI JHQHU DQG DJH 7KH SHURUP DQFH RI DJJUHMLYH GHMWFYH EHKDYLRU LV VJQILFDOV GLIHFHQV DMV VPH VAKRQV VMGHG VWH GHYHOSP HQVRI FKLOUHQV DJJUHMLYH EHKDYLRU XGHU VWH FRQVNRQ RI LQMLYHQHDMRQDXSEUQJ LQJ DQGRXGG VMDV JUDGG DMWLUQJ KQDQ IP SRUWQVLP SDFWRQ FKLOUHQ 7KH KJKHU HGXFDMRQ DQYHORI VWH JUDGGSDUHQV DQG VWH FRQVMDQ RI VWH XSEUQJ LQJ RI VWH JUDGGSDUHQV DQG VWH SDUHQV P D EH SURMFWYH IDFRV IRU VWH GHYHOSP HQVRI FKLOUHQV DJJUHMLYH EHKDYLRU \$ VWH

VDP H WPH VWH XSEUQJLQJ RI VWH JUDGSDUHQW ZLQD  
UHYLXH SUHGFVWVWH SK VLFDDJUHWRQLQ VWH HDU SDUV  
RI VWH VPH HVMU Z KLQ VWH SV FKRQJLFDOSUHXUJ ZLQD  
UHYLXH SUHGFVWVWH SK VLFDDJUHWRQLQ VWH HDU SDUV  
RI VWH VPH HVMU DOG VWH UHDMRQKLS DJJUHWRQLQ VWH  
PLGGDI RI VWH VPH HVMU \$ VWH VDP H WPH LVSRYVWH  
SUHGFVW VWH UHDMRQKLS DJJUHWRQLQ VWH HDU SDUV  
VWH VPH HVMU Z KLFK LV GLIHUQ/MURP VWH UHDMRQKLS  
EHZHQ SDUHQD SDUHQDQJ EHKDYLURU DOG FKQJHQV  
DJJUHWRQLQ EHKDYLURU

7 KL V SDSHU ZLQD VWH VWH QMUDMUH UHYLZ P HMRG VR  
VWG VWH FDXHV RI FKQJHQV DJJUHWRQLQ EHKDYLURU IURP  
VWH SHUSFVWH RI IDP LO HSHFLQD SDUHQDQXSEUQJLQ  
DOG RQ VLV EDLV VPH FRUWHVWH FRXQMUH FDXUJ/DUH  
SXWRZ DUG

5 HMHDUFK VRSIF

1.2.1 Impact of parenting style on children ' s  
aggressive behavior

5 HJDUQJ VWH SDUHQDQJ P HMRG/ LQ VLV VRSIF VWH  
GPRFUDNF SDUHQDQJ P HMRG/RI SDUHQV DUH FRGGFLYH  
VR VWH VRFDOGHYHOSP HQARI FKQJHQ Z KLQ RMHU EDG  
SDUHQDQJ P HMRG/RI SDUHQV ZLQDFXV FKQJHQ VR KDYH  
SRRU SHU UHDMRQKLSV DJJUHWRQLQ DJJUHWRQLQ SRRU  
LGGSHGGQFH DOG QRQFRP SODQF ZLW VRFDO UXQ/  
7 KH HP HJHQFH RI EDG TXDQV/LV GRVFRGGFLYH VR VWH  
VRFDOGHYHOSP HQARI FKQJHQ 7 KH SDUHQDQJ P HMRG/  
RI SDUHQV DUH JHQHDD GLYLG LGQR VWH IROZ LQJ  
FDMRUIH/ GPRFUDNF DMRUMJIDQ DMRUMJYH  
GRM QJ DOG QHJQFNG

' LIIHUQ/SDUHQDQJ P HMRG/KDYH GLIHUQ/VHIFWRQ  
FKQJHQV DJJUHWRQLQ EHKDYLURU DOG VWH LQ QHGFH  
PHKQDLP LV DOR GLIHUQV & KLQJHQ HGFDMG E  
GPRFUDNF SDUHQV ZLQD SUHV VWH LIH HQJ V DOG QHGF  
LQ D QULMP DM ZD EHFDXV SDUHQV JLYH FKQJHQ  
HQRXJK UHSHFV DOG FKQJHQ ZLQD QMUDMUH GRVH SUHV  
VPH VQYH LQ HJ WPH H ZD V : KLQ DMRUMJIDQ DOG  
DMRUMJYH SDUHQV WDFK FKQJHQ ZLW VWRQJ VQ  
HVMHP %HFDXV RI VWH DMRUMJIDQ SDUHQV FKQJHQ  
EHRPH SDUHQDQJ FRQHQGH DERXV VQ HVMHP \$ V  
QJ DV FKQJHQ IHQDQWRP HQH KDV FQDQJHG VWHU  
VQ HVMHP VWH ZLQD EHRPH SDUHQDQJ DJJUHWRQLQ  
7 KH GRM QJ SDUHQV QYH VWHU FKQJHQ VPH P XFK FDXVQJ  
FKQJHQ VR IHQDQV VWH ZKRQI ZRUG VQRXG P HHP  
QHGF/ ZKLFK P DNH/VPH XQJH/RQDEQI DOG VPH HMP HV  
VWH GR QRW HWZ KDMMH ZDQV DOG HYHQ VQNH FVWRQ  
) LQDQ ZLW UHJDUG VR QHJQFNG SDUHQV VFK SDUHQV  
KDUQ FDUH DERXV VWHU FKQJHQ DOG VWH KDYH QYHU  
SDG VPH P XFK DMRUMRQ VR VWHU FKQJHQV VRFDO  
HGFDMRQ UHXQVQJ LQ FKQJHQ ZKR QFN SDUHQDQJ FDUH  
DOG GR GRVQRZ KRZ VR HJ SUHV VPH VQYH/ \$ VDUHXQV  
VRPH FKQJHQ ZLQD VPH VPH DMDFWSDUHQV DMQRQV E  
DMDFNQJ RMHV DOG HYHQ DMDFNQJ HYHU VLVQJ DUXQG  
VPH VR VQVSDUHQV FQSD DMQRQV VR VPH VQYH

1.2.2 Corrective measures for aggressive behavior  
in young children

\$ FFRUGQJ VR O DQZ V + LHURFK RI 1 HG/ VPHRU  
HYHU RQH KD/ VWH QHGF VR EH UHSHFVGE RMHV/ 2 QD LI  
SDUHQV HGFDM FKQJHQ FRUWHVQ FQ VWH DMVWH  
UHSRGG VR FQDQJH/ IURP VWH IDP LO DOG VWH RXWLG  
ZRUG LQ VWH XMMH ,I SDUHQV LGRUH VWH LP SRVDFH RI  
IDP LO SDUHQDQJ P HMRG/ VR FKQJHQV VRFDO  
GHYHOSP HQV DOG LQ VWRQ XLVQJ UXQV VR ELQG FKQJHQ  
FKQJHQ ZLQD GRVQRD KDYH D VQVH RI DQDQMRQ DOG  
UHFQRXV SV FKRQJ EXVZ LQDOR VQV VWH SHRSQI DOG  
VRFHV DUXQG VPH LQ VWH VPH ZD DV VWH JUDGDD  
EHRPH H DQXV DOG HYHQ SURGFFH HJ WPH EHKDYLURU 6R  
VWH LQMUHQV FQ VQV VURP VWR DSHFV RQ VWH RQ  
KQDQ VWH UHSHFV FQ VWR FQDQJH VWH SDUHQDQJ VWH RI  
SDUHQV DOG RQ VWH RMHV KQDQ VQV JXLG DOG HGFDM  
VWH FRUWH SRGGQJ FKQJHQ ZLW DJJUHWRQLQ EHKDYLURU

5 HMHDUFK P HMRG V

5 HMHDUFK GHMJQ

7 KH UHHDUFK VQV VQV VQV VWH QMUDMUH UHQDNG VR  
SDUHQDQJ DUJQ VQV DOG FKQJHQV DJJUHWRQLQ EHKDYLURU  
DOG VWH UHHDUFK P HMRG ZDV VQV VQV E QMUDMUH  
UHYLZ P HMRG

3 UQFLSQM I RUVH QFVQJ GRFXP HQW

7 KH QMUDMUH P DQD FRPH IURP &1. , %DQX  
\$ FQGP LF HV DOG VQV VQV QMUDMUH SXEQKHG IURP  
VR VWH SUHVQ/ DOG VPH RUH IDP RXV QMUDMUH LQ VWH  
SDVV \ HQV LQFQGLQJ DFDGPF NQXQDQV P DMMV DOG  
GRVRFDO SDSHV VQV QMUDMUH HV 6 HDJK E  
NH ZRUG VFK DV SDUHQDQJ VQV FKQJHQV  
DJJUHWRQLQ EHKDYLURU FDXHV DOG FRSLQ VQDMMHV RI  
FKQJHQV DJJUHWRQLQ EHKDYLURU DOG DMVH VDP H WPH  
YLVQD DQDQJ VWH UHSHFV QMUDMUH DQDQJ VWH  
GLVEXMRQ RI LVP DQ DOG VFRQDQ VRSIF DOG VQV  
QMUDMUH UHQDNG VR IDP LO HGFDMRQ RU SDUHQDQJ  
HGFDMRQ \$ GRVH SDK LV VR FKFN VWH QP EHU RI VFK  
VRSIF ZLW VQV RU SXEQKHG E HFK DMRU RU XQV DOG  
VQV VQV QP HV RI SHURQ/ RUXQV ZLW DQJH QP EHU  
RI SXEQDNRQ/ VR ILQ VWH UHQDQV QMUDMUH SXEQKHG  
E VPH

' HMFUSWRQ RI VQV VQV GRFXP HQW

5 HJDUQJ VWH GHVUSWRQ RI VWH WSHV RI GRFXP HQW  
VPHU DUH DFDGPF SDSHV NQXQDQV FRQHJQFH  
GRFXP HQV ERRN DOG I RUVH Q GRFXP HQW O R VPH  
VPH XH VWH P HMRG RI VPHRUH VQV UHHDUFK DOG  
HP SLVFDQ UHHDUFK DOG XH D QJH QDQJH RI  
TXHWRQDQV VR FRSHDM ZLW FDXV 7 KHU DUH P DQ  
QMUDMUH/ RQ VSHFDQ SURVQV UHHDUFK DP RQJ ZKLFK VWH  
FRQHJQFH GRFXP HQV SUHVQ/ VWH UHHDUFK UHXQV RI  
UHQDNG WDFKQJ UHHDUFK SURVQV \$ P RQ VPH VRPH  
VSHFDQ JURXS VFK DV DJJUHWRQLQ EHKDYLURU UHHDUFK  
VSHFDQ I RUVH QDQ VEHKGG FKQJHQ DUH LQ RQYH  
O RUH VQDQ ILYH RI VWH VQV VQV QMUDMUH XH HP SLVFDQ  
UHHDUFK %DQGRQ VLV TXHWRQ DOG VWH DMVEXM/ RI VWH

GLVLSQCH VHSUHQWVWG ZLWRFXP/RUHQVHDFWQJ  
QMLDMUH/ZLWHP SLWFDUHFDFKIRUDODVLV

O HMKRGV RI QMLDMUH DQDOVLV

7KLV SDSHU XVH/LGGFWRQ VR VXP P DUJ H VHSUHQWVWG  
EHZHHQ SDUHQMJ VWOH DQG FKLOUHQV DJJUHLYH  
EHKDYRLU DQG VHSUHQWVWG V WADAP D SURP RMLW2 Q  
VHSUHQWVWG RI LGGFWRQ EDVHG RQ VHSUHQWVWG  
VXP P DUJ HG E VHSUHQWVWG LVLV VUHQHG DQG UDMG  
DQG SURSRVH/FRSLQ VANDUJLV IRUFKLOUHQV DJJUHLYH  
EHKDYRLU 6VANDUJLV DUH GLYLG-G LQIR P DFUR VANDUJLV  
VXFK DV SRFA VRFDD DSHFW DQG P LFUR VANDUJLV  
SDUHQV WDFKHU DSHFW , Q DGGWRQ VLV VHG VDNH  
LQIR DFRXQV RMLU FOMWLFDMRQ/ VXFK DV UHQWV  
RSHUDELW RURQD VRSVH WDAKDYH GRVHFO SUDWFDQ  
VXGLGH D VHSUHQWVWG RUFDFDQV , Q DGGWRQ VHSUHQWVWG  
VLV VHG VDNQ LQIR DFRXQV VHSUHQWVWG QMLDMUH LQ RMLU  
FRXQWV LV GRVDFWDFXQ DSSDFDQV VHSUHQWVWG LQ  
&KLOD %DVG RQ VLV VLV VHG SURSRVH/FRSLQ  
VANDUJLV IRUFKLOUHQV DJJUHLYH EHKDYRLU LQ RGHUVR  
SURLGH VHSUHQWVWG VHSUHQWVWG IRUSUHQWVWG WDFKHU DQG  
SDUHQV VHSUHQWVWG DOZ LK VXFK SUREOP V

&RQFHSW RI SDUHQMJ VWOH DQG  
DJJUHLYH EHKDYRLU \RXQJ FKLOUHQV

5HJDUQJ VHSUHQWVWG FOMWLFDMRQ RI SDUHQMJ VWOH  
%DXP QGGU Z DV VHSUHQWVWG SX FRQJLVW VR FOMWLF  
SDUHQMJ VWOH DFRUGQ VR SDWLOQ \$ VHSUHQWVWG VHSUHQWVWG  
HP SLWFDQ UHFDFK VHSUHQWVWG GLYLG-G SDUHQMJ VWOH LQIR  
DVMRUMVH DVMRUMVH DQG QLVH IDUH %HJ HADQ  
GLYLG-G SDUHQMJ VWOH LQIR DVMRUMVH DVMRUMVH  
QLVH IDUH DGGQJDFG

, Q & KLOD VFRQV \* XQQ < LQ DQG / LX & KXQ HQ  
GLYLG-G SDUHQMJ VWOH LQIR VHSUHQWVWG DVMRUMVH  
G-P RFDNF DQG VHSUHQWVWG VHSUHQWVWG RI SDUHQV  
FKLOUHQV > @: KHQ FRP SLOQ D TXHMRQDUH  
RQ SDUHQMJ VWOH < DQ / IJ KX DQG < DQ / KX Q LQ  
GLYLG-G SDUHQMJ VWOH LQIR ILYH WSHV GRM  
G-P RFDNF QLVH IDUH DVMRUMVH DQG LFRQVWVW  
&XL=KH DQG=KDD -LDQ LQ GLYLG-G SDUHQMJ VWOH LQIR  
IRXU WSHV XGGUHQDQ DQG HFRXQV HP HQVH FVLYH  
UHQWVWG LQ GLIHFHFH DQG DVMRUMVH DQ  
UHQWVWG DQG SURVFRQ

, Q VHSUHQWVWG RI FKLOUHQV JURZV LVLV VHD HLGHQV  
VNDVHSUHQWVWG HQVDFQV DQ LP SDVFRQ VHSUHQWVWG  
LVLV PRWFRVH UHQWV VR FKLOUHQV QVH 7KH  
VRFDD DMRQ RI FKLOUHQV EHKDYRLU VHSUHQWVWG DIFVGE  
YDUJRV IDP LO IDVUV ) HL < XQQ XQQ FRQDFG GDM E  
VGGQJ TXHMRQDUH VR SDUHQV DQG WDFKHU RI D  
NQGJUVHQV XGGU VHSUHQWVWG %HKDYRLU 6FDQ  
3DUHQV GWRQ FRP SLOQ E \$ FKDFK VLV VHDQ LV  
VHSUHQWVWG IRU FKLOUHQV DJHG DQG < DQ / IJ KX V  
3DUHQV 6VHQ4 XHMRQDUH DGRMLU TXHMRQDUH  
DQG DRSNG D UQFRP VDP SLOQ PHMRG 7KH VHG  
IRXGG VNDVHSUHQWVWG UDM RI DJJUHLYH EHKDYRLU  
DP RQJ P DQ FKLOUHQV DJHG Z DV Z KFK Z DV  
VJQLFDQV KLKHUHQV VHSUHQWVWG HP DQ FKLOUHQV  
\$ FFRUGQ VR VHSUHQWVWG LVFDQ EHIRXGG VNDVHSUHQWVWG  
DV JQLFDQV SDVFRQ DJJUHLYH EHKDYRLU \$ VHSUHQWVWG

VPH FKLOUHQV DGLIHFHFH VHSUHQWVWG DOR KDYH GLIHFHFH  
DJJUHLYH EHKDYRLU \$ VFKLOUHQV JURZ RGHU FKLOUHQV  
DJJUHLYH EHKDYRLU ZLO DOR KDYH GLIHFHFH  
P DGLIHFHFH > @

6VXGHV KDYH VFRZQ VDW PRWV RI VHSUHQWVWG  
DJJUHLYH \RXQJ FKLOUHQV FRPH IURP DEVROM  
DVMRUMVH DQG H FVLYH GRM WSHV RI IDP LQV DQG  
VHSUHQWVWG RQIHFHFH VHSUHQWVWG WSHV RI IDP LO WSHV LV  
LQSSURSUDM UHQWVFRQ/RQ \RXQJ FKLOUHQV > @3DUHQV  
DJH DOR KDV D FVLYH LP SDVFRQ VHSUHQWVWG VWOH RI  
\RXQJ FKLOUHQV 7KHU DUH VJQLFDQV GLIHFHFH LQ VHSUHQWVWG  
DQG QLVH IDUH GP HQVFRQ EXVOR VJQLFDQV  
GLIHFHFH LQ VHSUHQWVWG G-P RFDNF DQG DVMRUMVH  
GP HQVFRQ \$ P RQ VHSUHQWVWG WSHV SDUHQV RYHU VHSUHQWVWG  
DJH RI LP SOP HQVFRM SDUHQV VWOH VR VHSUHQWVWG  
FKLOUHQV VJQLFDQV P RUVHQ SDUHQV XGGU VHSUHQWVWG

\$ P RQ VHSUHQWVWG IDUH WSHV SDUHQV RYHU VHSUHQWVWG  
RI LP SOP HQVFRM IDUH SDUHQV VWOH VR VHSUHQWVWG  
FKLOUHQV VJQLFDQV P RUVHQ SDUHQV XGGU VHSUHQWVWG

DQG SDUHQV DJHG LP SOP HQVFRM SDUHQV  
VHSUHQWVWG VHSUHQWVWG VJQLFDQV P RUVHQ SDUHQV  
XGGU VHSUHQWVWG 7KHU LV D VJQLFDQV SRVLYH  
FRUHQDQV EHZHHQ FKLOUHQV DJJUHLYH EHKDYRLU DQG  
VHSUHQWVWG VHSUHQWVWG GRM QLVH IDUH DQG DVMRUMVH  
DQG D VJQLFDQV VHSUHQWVWG ZLW G-P RFDNF  
IDVUV Z KFK LV FRQVWVW VHSUHQWVWG UHFDFK UHXOV RI  
VHSUHQWVWG QMLDMUH \$ VHSUHQWVWG VHSUHQWVWG VHSUHQWVWG  
VFRQ; LH1 DQ 0 DQ WSHV RI SDUHQMJ VWOH KDYH  
VJQLFDQV VHSUHQWVWG VHSUHQWVWG RI FKLOUHQV VHSUHQWVWG  
DQG RQD G-P RFDNF WSHV VFRZ SRVLYH SUHFWRQV  
0 RWR VHSUHQWVWG VHSUHQWVWG UHFDFK GDM DQDQV DUH  
FRQDFG DQG DQDQV XLVQ GLIHFHFH VHSUHQWVWG RI 6366

\$ QVXJK VHSUHQWVWG DP RQVRI UHFDFK QMLDMUH LQ VHSUHQWVWG  
DUH LV FRQVWVW DASHQV VHSUHQWVWG VHSUHQWVWG VHSUHQWVWG  
KDV FVLYH QP LQVFRQ , Q VHSUHQWVWG VHSUHQWVWG VHSUHQWVWG  
TXHMRQDUH LV GLVXNG RQDQ VHSUHQWVWG DUH FVLYH  
JHUVSKLFDQ UHQWVFRQ 7KH UHFDFK UHXOV FDQ RQD  
UHSUHQWVWG VHSUHQWVWG FRDFKLOUHQV DQG SDUHQV DQG  
FDQRVH SLOQ VNDVHSUHQWVWG LV VHSUHQWVWG LQ DQ UHFRQV  
+ RZHYU LV VHSUHQWVWG LV GLVXNG RQ D QVH  
VFDQ RQDQ DVMRUMVH VHSUHQWVWG DUH GR JHUVSKLFDQ  
UHQWVFRQ VHSUHQWVWG VNDVHSUHQWVWG GRVFRQVFRQV  
VHSUHQWVWG VHSUHQWVWG LV JHUV LQVFRQ \$ VHSUHQWVWG  
VHSUHQWVWG LVLV DOR EFDVH RI UHFRQDGLIHFHFH VHSUHQWVWG  
VHSUHQWVWG VHSUHQWVWG SDUHQV LQ HQV UHFRQ , Q DGGWRQ VHSUHQWVWG  
VHSUHQWVWG LQVFRQV LV GLIHFHFH VHSUHQWVWG DQG  
VHSUHQWVWG EHZHHQ VHSUHQWVWG P LQVHSUHQWVWG DQG  
+ DQ DVMRUMVH VR VHSUHQWVWG LQ RGH SDVH DUH GRV  
ZLGH UHSUHQWVWG > @

, Q VHSUHQWVWG P HFKDQV EHZHHQ  
SDUHQMJ SDUHQMJ VWOH DQG FKLOUHQV  
DJJUHLYH EHKDYRLU DQG FKLOUHQV  
DJJUHLYH EHKDYRLU RGLFDMRQ

, Q VHSUHQWVWG / LX 0 LQ ' HQ ; ISLQ 6DQ %DRHV  
DO LVLV VFRZQ VDW VHSUHQWVWG GYHRS PHQVRI SURVFDQ  
EHKDYRLU LQ \RXQJ FKLOUHQV PXWVEH EDVHG RQ VHSUHQWVWG  
GYHRS PHQVRI VHSUHQWVWG NGRZ QGH RI PLGG 2 QD

ZKHQ VMH FDQ UFRUQJH RMMU SHRSOIV LQMDRQV  
HP RMRQV EHQHV NQRZ OGIH DOG RMMU SX FRQBUFDQ  
VDMV FDQ VMH KDYH DFRUHFVXGGHUXDQGLQJ RI YDURXV  
VRFDO EHKYLRU VMDNRQV DOG UHSRGG VR SURVRFDO  
EHKYLURU \$ VMV/DJH VMH GHYHOSP HQVDOG FKQJHV RI  
FKLQJHQV SURVRFDO EHKYLURU DUH LQ VMH GRP LQDQV  
SRVNRQLQ VMH GHYHOSP HQVRI VRFDOEHKYLURU DOG VMHU  
GHYHOSP HQVDOG FKQJHV DUH IDUP RUH VJQILFDQVMDQ  
RMMU FKQJHV LQ VRFDOEHKYLURU > @7KHU RUH LQ VMV  
FDH SDUHQV ZKR KDYH VSHQVMH GRUJHVMV HZLVK VMV  
DUH SDUHQV LQ SRUDDQV

7KH VMHU RI VJQILFDQV RMMU VZDV SXWRVZ DUG EA  
\$ PHUFDQVRFURJLVW LQVROVMHEDLVRI O HDGVMHU  
RI VHD GHYHOSP HQV, WUHVU VR VSHUHF ILJXUH ZKR  
KDYH DQ LP SRUDDQV LQ OXQFH RQ VMH VRFDOJ DNRQ SURFW  
RI LQGLYGDQV 6LJQILFDQV RMMU P DQD UHVU VR D  
SHURQ RU D JURXS VMDKDV DQ LP SRUDDQV LQ OXQFH RQ  
LQGLYGDQV GHYHOSP HQV ZKLFK LV P DQILHMG LQ VMH  
GHYHOSP HQVRI SHURQDQDQJ XDJH LQMDJHQFH HP RMRQ  
DOG VRFDDW 7KH LP VMDNRQ EHKYLURU RI SUHFKRO  
FKLQJHQ LV VMRQJ DOG FRXSOG ZLVK VMH LQ OXQFH RI  
LP SRUDDQV RMMU VMHU EHKYLURU LV P RUH LQFDQV VR VMH  
EHKYLURU RI LP SRUDDQV RMMU O HDG RQH SURSRVHG VMDV  
LP SRUDDQV RMMU KDYH DQ LP SRUDDQV LQ OXQFH RQ VMH  
YDQHV RI LQGLYGDQV VMDV LQ VMH SURFW RI VRFDO  
GHYHOSP HQV LQGLYGDQV P DNH VMV VHYV DGRSVMH  
DMMGH RI RMMU VMURXJK QDQJXDJH , Q VMH SURFW KH  
EHRP HV RMMU DOG VMH YDQHV RI RMMU EHRP H VMHU  
RZ QYDQHV , QDGGVNRQ KH DOR EHQHYH VMDV RMMU SD  
DQ LP SRUDDQV RMMU LQ VMH GHYHOSP HQVRI LQGLYGDQV  
SHURQDQV DOG VRFDDW

, Q VMH SUHFKRO HGFDNRQ VDUH EFDXV VMH  
SK VFDQDQ P HQDQGHYHOSP HQV OYHORI FKLQJHQ KD  
QRV HWHDFKHG VMH SRQARI P DMMV LQ VMV VDUH VMH  
LP SRUDDQV RMMU LQ FKLQJHQV OYH P DQD LQFOXGH  
NCGHJDUHQ SHU VMFKHU/ IDP LQ P HP EHV HIF  
7KHU RUH SHU VMFKHU/ DOG IDP LQ P HP EHV SD DQ  
LP SRUDDQV URH LQ VMH GHYHOSP HQV RI FKLQJHQV  
SHURQDQV DOG VRFDDW 7KH DJJUHMRQ RI SUHFKRO  
FKLQJHQ FRPHV P RUH IURP VMH SDUHQV VMH EHKYLURU  
DOG P XMDQ LP VMDNRQ RI SHU

7KHU VMHU VMURXJK RI VFRQD+ XQJ - 4 VZR VMDV P RMMU  
RI VMH KJJKO DJJUHMRQ \RXQJ FKLQJHQ FRPH IURP  
DEVROXV DMMRUV DOG H FHMVYH GRM Q VSHV RI  
IDP LQHV DOG VMH FRP P RQ IHDMUH RI VMH VMZR VSHV RI  
IDP LQ VSHV LV VMH LQDSSURSUDM UHVMRQ RI \RXQJ  
FKLQJHQ > @3DUHQV RI DEVROXV DMMRUV VSHV RMMQ  
XVH FRUVRUDDQV XQJ P HQV RUYHUEDQDMMV NR VMDV \RXQJ  
FKLQJHQ RYHULQMDYHQH LQ FKLQJHQV VMURXJKV DOG  
FRQURQFKLQJHQV DMMRQV \ UHXQJ LQ FKLQJHQ EHQJ  
VSSUWHG DOG TXLND GHYHOSLQ UHEORXV  
SX FRQJ ZKLFK P DNH VMV XQFRQALXV  
DJJUHMRQ EHKYLURU ([ FHMVYH GRM Q SDUHQV DQ D V  
SDP SHU VMHU FKLQJHQ VR P XFK P DNQJ FKLQJHQ P RUH  
VHD FHMVYH : KHQ FKLQJHQ P DNH XQJH RQDEOH  
G P DOG/ SDUHQV DQ D VUH XVH EXVMDV \ VMHU FKLQJHQ  
DOG JLVH VMV VR FDQDQ OYH + RZHYHU ZKHQ FKLQJHQ  
JR VR NCGHJDUHQ VMH RUJLQD QMNH HP SHUR DOG  
QMNH SUFGHV OYQJ HQVLRQ HQV/ EURHQ DOG KHU  
LVV/QR GRUJHUKV FDXOH \$ VMV VMV FKLQJHQ ZLQHHO  
VMDV VMHU LQMDUVM DUH VMUFDQV DOG VRP H QHG/ DUH

QRVP HW VR VMH ZLQ UHMDVMR DFKHYH VMHU JRQV  
UH XQJ LQ DJJUHMRQ EHKYLURU

\$ VMH VDP H VMV VFRQD %D / LQV X VMV HG D  
VMDOR \RXQJ FKLQJHQ DOG VMHU SDUHQV VMURXJK  
TXMMRQDQV VMV LQMDYH DOG REVLYDNRQ P HMRG  
7KH VMG IRXGG VMDV XQDND VMDNRQDQV FRQF-SW LVMV  
XVDD EHQHYG VMDVER V ZLQEH VSRQDQ DOG LQGLYGDQ  
EA VMHU IDP LQHV O RUH DJJUHMRQ EHKYLURU  
DFRP SDQHG EA SK VFDQ FRQDFWDOG YH DMRXQH  
\* LQV DUH QW DJJUHMRQ EFDXV VMH DUH P RUH  
LQURVHM DOG HYHQ U VMH DUH VMH DUH P RMMQ  
LQGLYGDQV H SUHMRG VMURXJK FUJQJ RU FRP SDQJ  
+ RZHYHU VMH VFRQD V NCGHJDUHQ VMV LQ ZLQV  
IRXGG VMDV XH VR UHJURQDQJ IHUHQV DOG VMH LQ OXQFH  
RI VMDNRQDQV FRQF-SW OYDOSHSHZ LQVSRQJLQV P RUH  
DOG VMV G P DOG ER V ZKLFK OYH VMH IDVMDM LQV  
LQ VMH DUH VZRZ HG VMDV VMURQJH DJJUHMRQ EHKYLURU  
VMDER V GULQJ VMH VMG > @, VFDQ EHVHQIURP VMV  
VMDV FKLQJHQV DJJUHMRQ EHKYLURU KD QMNH VR GR ZLVK  
JHQHULND DOG VMH XQDQ HQDQJH RQ VMH SDUHQV  
VMH

\$ VMH VMDKHU OYH U LQGLYGDQV ZDQVR UHGXFH  
FKLQJHQV DJJUHMRQ EHKYLURU VMH P XWV LQV VFDQ  
GRZ QDQJ XJLGH VMV VR H SUHVMHU DJJUHMRQ EHKYLURU  
DOG UHMRQ EXQD D SDMRUP IRU FKLQJHQ VR UHMRQ  
FRQDFW DOG SURYLG FKLQJHQ ZLVK RSRUVMVMV VR  
VROH SUREOP V ZKLFK FDQ QRVRQD LP SURYH VMHU  
FRP P XQFDNRQ VMDV EXW DOR DYRLG VROVQJ ZLVK  
DJJUHMRQ EHKYLURU > @ 6FRQD : DQ < DQ IRXGG  
VMURXJK UHMRQ VMDV LQMDYH QNRQ P HMRG RI SDQJ  
VMHDS LV DOR FRQGLYH VR DQMDM VMH HP RMRQDQ  
SUREOP V RI LQGLYGDQV FDMV VMH EA LP SURYQ VMHU  
DJJUHMRQ EHKYLURU VR VMH XVH RI SDQJ VMHDS FDQ  
DOR EH DQ H IHVMV ZD > @ % VMDV VMV VDP H VMV VMH  
EHVZK D LV VR FKQJH VMH SUREOP IURP VMH URRV FDXV  
ZKLFK LV VMH IDP LQ ) IDP LQ HGFDNRQ LV DQ LP SRUDDQV  
EUHDMURXJK SRQV IRU SUHVMHQ DOG FRUHFMDQ  
FKLQJHQV DJJUHMRQ EHKYLURU VR ZKHQ IRUP XQDQJ D  
FRUHFMRQ SDQ IRU FKLQJHQV DJJUHMRQ EHKYLURU  
UHMRQ VMV XQDQ IRFXV RQ FKQJLQ VMH ZD RI IDP LQ  
XSEUQJLQ ) LQV SHRSO P XWV FDM D ZDUP IDP LQ  
HQVLRQ HQV FDM D KUP RQXV DAF RSKHU DOG JXJH  
FKLQJHQ VR FRUHFMDQ H SUHVMHU HP RMRQ/ LQ DQD QH  
6FRQD LP SDP HQV G P RFDV XSEUQJLQ FRP P XQFDM  
P RUH ZLVK FKLQJHQ UHSHV FKLQJHQV FRUHFV DOG VMV VR  
XVH IDVMDQ DOG UHMRQDEOH P HMRG/ VR DYRLG  
XQJH RQDEOH VFRQJ DOG VFRQJ

2 QVMV EDLV LVMV DOR SRVLEOH VR P DNHEVMV XH RI  
VMH KR P HFRUQDNRQ P HMRG VR XVMHU LQMDYHQH UHFK  
DQHGFDNRQDQV FRQHQV ZLVK SDUHQV DOG XVH VMDM UH  
VFK DV UHMRQDEOH DQDQJH HQVRI FKLQJHQV RQH QD  
DFMVMV UHGVMRQ RI VMV XQDNRQ P RGHG P RQVMDNRQ  
DOG SRVVMH HQFRUJH HQV VR VMDV FKLQJHQ ZLVK  
DJJUHMRQ EHKYLURU 7KH H SHUHQV VMURXJK HG VMDV VMH  
IUHTXHQ RI FKLQJHQV DJJUHMRQ EHKYLURU G FUDHGE  
DQ DYHJH RI DVMU D SHURG RI VMH DOG VMH  
H IHVZ DV VJQILFDQV > @, Q DORVMV DSHV ZLVK VMH  
DGHVRI VMH, QMNH VMHU FKLQJHQV OYH KDYH DOR EHQ  
DQHQV LQ P DQ ZD V DOG YDURXV HOFMRQF SURGFV  
FRQMRX VR DMMV FKLQJHQV DMMRQ + RZHYHU VMHU  
DUH VRP H YRQDQ DOG EORRQ FRQMRQ VMH, QMNH  
ZKLFK DUH QRVMV DQD IRU FKLQJHQ VR ZDQV FDQ HDQ

KDYH D QHJDMYH LP SDFWRQ WHP DGG P D HYHQ DGG VR  
DJJUHMLYH EHKDYLRU 7KHU RUH SDUHQV VKRXG DP LVWVH  
WPH FKLOUHQV XH H D FWRQF SURGFW DGG FKRRVH YLGRV  
RUJDP H V X V D E H I R U F K L O U H Q V R Z D A K \$ W M H V D P H W P H  
FRQMQWMDVFRQRUP V VR FKLOUHQV SX FKROJLFD DGG  
SKL VROJLFD FKOJFMDVWV VKRXG EH V D F A G DGG  
NCGHJDUHQ WDFKLV VKRXG DOR P DNH JRRG FKRLFHV RI  
ILCP DGG WDMVLRQZ RUNV WFK DV V D F W Q V R P H W P H V  
IRFXVQJ RQ QYH VDUQJ DGG FRRSHUDNRQ VR SURYLGH  
SRVWYHJXLGDFH DGG KHS I R U F K L O U H Q V J U R Z W R > @

&RQFOXVLRQ

7KH VMG IRXGG WDMVWUH ZDV D VJQILFDQVSRVWYH  
FRUJHODNRQ EHZHQ FKLOUHQV DJJUHMLYH EHKDYLRU DGG  
GRWQ OLWH IDUH DGG DMRUJMDQ IDFRLV DGG D  
VJQILFDQVSRVWYH FRUJHODNRQ ZLVK G-P RFUDNF IDFRLV  
O RUHYHU SDUHQV ZKR DUH RQ DUH P RUH QND VR XVH  
LQSSURSUDM SDUHQV P H A R G I R U H G X F D N R Q 3 D U H Q V  
LQ UP R M D U H V D U H P R U H Q N D V R X V H L Q S S U R S U D M R U  
OLWH IDUH DMMGHV LQ H G X F D N R Q ' W I H U H Q V I U R P  
S R S D V X E M F A Y H S H U F S M R Q W H I P S D F W R I J H Q G H  
G I I H U H Q F H V R Q F K L O U H Q V D J J U H M L R Q L V G R W D V J U H D M D V  
I P D J L Q G ' W I H U H Q F H V L Q H G X F D N R Q I R U F K L O U H Q R I  
G I I H U H Q V I H Q G H V L Q G I I H U H Q V I H U H Q V D U H W H U R R V F D X H  
7KLV VMG ILWVXP P DUJ HV W H I P S D F W R I G I I H U H Q V  
SDUHQV WMDV R Q F K L O U H Q V D J J U H M L Y H E H K D Y L R U Z K L F K  
LV F R G G F L Y H V R X Q G H W D G G Q J Z K L F K S D U H Q V W M D V D U H  
P R U H Q N D V R Q D G V R F K L O U H Q V D J J U H M L Y H E H K D Y L R U  
6HFRGG W H S U H Q V W M G X P P D U J H V K R Z V R  
LQMDYHQ LQ FKLOUHQV DJJUHMLYH EHKDYLRU LQ WUP V RI  
WDFKLV IDP LQH DGG KRP HFR H G X F D N R Q V R U H G X F H L V W R  
GLDSSHU

7KLV SDSHU X P P D U J H V W H Y O U R X V H J S H U P H Q V R I  
W H U H U H Q F H D W F D H D G W H L U Y L Z V D G U H X O V W U R X J K  
W H P H A R G R I Q M D M U H U H L Z , W V P D Q D F R O M E X A G  
V R Y O U R X V V K R O V Z K R D U H L Q M U H W A G L Q U H F D U K L Q W L V  
I L C S D G S D U H Q V Z K R D U H W R X E G E F K L O U H Q V  
D J J U H M L Y H E H K D Y L R U , W P D E H E H Q I L F D D I R U W H P V R  
X Q G H W D G W H U R R V F D X H R I F K L O U H Q V D J J U H M L Y H  
E H K D Y L R U D G G L Q M D Y H Q I L Q F R U H F W R Q 3 U H H U D E O S H U K D S V  
W H U H F D Q E H P R U H K H S I U R P W H V R F D O Q M H O R U W H  
J R Y H Q P H Q V Q M H O I R U U H F D U K L Q W L V D U H ) X U M H U  
L Q H W M D M R Q D G H I R U V F D Q E H P D G H L Q W H D E R Y H  
G U H F W R Q L Q W H I X M U H V R I D F L O M L Q G S A K U H F D U K R Q  
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5 H I H U H Q F H V

< \* X D Q & ) / L X 3 V F K R O ' H Y ( G X F

< < ) H L 5 H F D U F K R Q W H U H D N R Q K I S E H Z H Q  
D J J U H M L Y H E H K D Y L R U D G S D U H Q V S D U H Q V W M D D G  
S H U F R P P X Q F D N R Q D E L Q W L Q F K L O U H Q D J H G  
O D M L V W H M L V & K D Q V K D

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0 / L X ; 3 ' H Q J % 6 D Q J 3 V F K R O ' H Y ( G X F

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W M D V R Q F K L O U H Q V D J J U H M L Y H E H K D Y L R U O D M L V  
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< 5 / X R 7 K H 5 R D G V R 7 D D Q V

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\$ J J U H M L Y H % H K D Y L R U L Q O L G G D I 6 F K R R O & K L O U H Q  
O D M L V 7 K H M L V : X D Q

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