

6RXUGR&UDPSRQV+LVWRU\RI&OLPELQJ

(VVHQWLD0 4XRVWR SQHRSOH LQWHUDFW ZQWR GHQ"DO L

6XJJHVWHG \$FWLYLWLHV

\$QDO\JH DQ 3KOCQ GER XOS -OS +UA°

- x 6KRZ SLFWXUHV RI WKH 6R\$VIG R/XVJG&UDPSRQV G UDCZ D FSRLEWRX U WKH REMHFW
- x +DYHXVHQWV EUDLQVWRUP TXHVWLRQV WKH\ KDYH DERXW WK LQ VPDOO JURXSU RU DV D FODVV
  - o 6HH WKLUWHHQ 4XHVWLRQVKDR \$R XW\$QRJE MHPVS OHV
  - o :K

DVUH VRPH ZD\V \RX FRXOG UHVHDFK \RXU XQDQVZHUI  
 o :KDW FRXOG SHRSOH LQ WKH IXWXUH OHDUQ DERXW \RX I

\$ODVND +LVWRU\ &RQVHSQ WWXGHQGV GFRXOG GHYHORS WKH VNLOOV DQG SURFHVVHV  
 \$ODVND \$QFKRU 6WDQGDUGV (Q5OLVKH/DG JORHW GUVVQH ZKDW WKH WHPD NM'DORHLS O  
 LQIHUHQFHV IURP LW FLWH VSHFLRU SHDKDO HYLGHQFH ZKHQ ZULWLQJ

&RPSDUH DQG &RQWUDVW

7LPH PLQXWHV

0DWHU\DFWUHV RI 6RXUGR&UDPSRQV DQDREU DRISRIQVFLDOO\ D FUDPSRQV LI DYDLODEOH

'LUHFWRQV

- x /RRDVS SLFWXUHV 6RXUGR&UDPSRQV DQG \RX DFRSREBU XVHG V FUDPSRQV DYDLODEOH KDYH DQVW GWRW KDGGOH WKHP
- x 0DNH D OIL \$ \$ VWXGHQW VKRXOG XQGHUVWDQG WKDW KLVWR SUHVHQW DQG WKH IXWXUH

&UHDWH D &UDPSRQ ORGHO

7LPH PLQXWHV

0DWHU\DFWUHV RI 6RXUGR&UDPSRQV DQG RRFQDHW SFDMDHU IED SLSHFOHDQHUV SZRFGHQGRVZHDNV IHOW SLHFHV VWULQJ ZLUH

LUHFWRQV

- x 6KRZ VWXGHQWV &HFWRUHV 6RXUGR&UDPSRQV DQG FRQWHPSRUD SUREOHP FUDPSRQV DUH GHVLJQVGRWR RIR&UDPSRQVHU WR
- x %UDLQVWRUP ZLWK VWXGHQWV KRZ WKH\ FRXOG FRQVWUXFW

# 6RXUGR&WDPSTQM+LVWRU\RI&OLPELQJ

- x ,QWURGXFH WKH (QJLQHHLQJ 'HVL\$QB WRKTH SWRFLGWHVZRMXNGHQB SURJUHVV
  - o 2SWLRQD)OGHQWV FDC(QJLQDHRX\QJWKHIZRQSVRFFHWVIRU HDF
- x +DYH VWXGHQWV PDNH WKHLR\KPIZQDAWDPSWGLPLDGHVOV
  - o 2SWLRQD)OGHQWV FDQ RGVKZHSULFWXDPSTQ GHVLIJQV EHIRUH VWXGHQWV PZD\GZHDQWDIUBWV VXSSOLHV
- x 'LVFXVV WKH IROORZLQJ TXHVWLRQV ZLWK \RXU VWXGHQWV
  - o :KDW ZHUH WKH HDVLHVW DQG KDUGHVW SDUWV RI PDNLQ
  - o :K\ GR \RX WKLQN PHPEHUV RI WKH 6RXUGRXJK ([SHGLWLR DUH WKH DGYDQWDJHV DQG GLVDGYDQWDJHV RI PDNLQJ \
  - o +RZ GLG WKH SURFHVV RI PDNLQJ D PRGHO KHOS \RX WR 6RXUGRXJK ([SHGLWLRQ PHPEHUV"

\$ODVND 6FLHQFH &RQW\$SWWVWGGWUQVGRXOG XQGHUVWDQG DQG EH DEOH WR DSSOL LQTXLU\

## :ULWH D -RXUQDO (QWU\

7LPH PLQXWHV

ODWHU1DSWU SHRXUGRXJK ([SBGGWXWQ RSWLRQDO

'LUHFWRQV

- x :ULWH D MRXUQDO HQWURIDPHWKHUISR LGRW UGRXJK ([SHGLWLR FOLPELQJ 'HQDOL 6XJJHVWHG SURPSWV LQFOXGH :K\ DUH \R RI XSSOLHV GHRX IHHO KXP0Å™,, PÀ FROG

QDFO WRKUGRXJK ([SBGGWXBQ

H[SH@FOLR@

- o <RQJ

\$ 00\$ RVWXGHVKX GGH D RWKVWRV RD RUHF†X RRKXDQ RSHHF†H RV

WRK SVHD WK I5€

: 008VHDYHWL†QX HHX SDDQG RSHHF†HV RRHWV

XLJ RHH L,,YHFKL,,TV 00ZO `KVH DOV 00DQG RZOO `WUXF 5€G RHHVHXF†HV

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- o )RXJHX "G

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VPö S...™€SR L†pHSL,™UFUp

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6RXUGRXJK &UDPSRQV 7KH +LVWRU\ RI

7KLUWHHQ 4XHVWLRQV WR \$VN DG

:KDW DUH WKSHK\REMBDOWS\URSHUWLHV

x 0DWHULDO V

x 6LJH

x :HLJKW

x 1XPEHU RI SDUWV

x ,V DQ\WKLQJ ZULWWHQ RU GUDZQ RQ LW"

:KDW WKH REMHFW\UM SURSHUWLHV

x 6LJKW 7RXFK 6RDXVGH 6R\OORXU LPDJLQDWLRQ

:DV WKH RECHFRW DEWKHUFHQV"

+RZ GR KXPDQV RQW\H\LD\WKH REMHFW"

:KDW LV WKSHK\REMBDOWS\URSHUWLHV

:KDWLWLRQV WKRXJK\REMBDOWS\URSHUWLHV ZKH\REMBDOWS\URSHUWLHV"K@ R



6RXUGRXJK &UDPSRQV &KOH P+LVQWR'U\QDIO

+LVWRU\ RI WKH 6RXUGRXJK ([SHG



&KDUOLH 0F\*RQDJDOO DQG 6RXUGRXJK ([SHGLWLRQ OH  
WKH IRRW FDPS RQ 0W 0F.LQOH\ GXULQJ WKHLU  
1RUWK 3HDN &RXUWHV\ \$ODVND 6WDWH /LEUDU\ \$6/ 3

7KH ILUVW SHRSOH WR FOLPE 'HQDOL 0RXQW 0F.LQOH\ GLG LV  
,W DOO VWDUWHG ZKHQ D JURXS RI JX\V ZHUH WDONLQJ LQ D )  
)UHGHLFN &RRN KDG MXVW SXEOLVKHG D ERRN FODLPLQJ KH F  
ZHUH DOO FRQYLQFHG WKH IDPRXV H[SORUHU ZDV O\LQJ \$ODV  
FLW\ FRXOG KDYH GRQH LW 7KH EDU RZQHU VDLG KH GLGQ W E

7RP /OR\G WRRN WKH EDLW +H ZDV D PLQHU ZKR KDG VSHQW P  
DQ\RQH +H EUDJJHG WKDW KH NQHZ KRZ WR JHW WR WKH WRS  
/OR\G WROG KLP , PD\ EH EXW , FDQ ILQG PHQ ZKR ZLOO GR I  
WR SURYH &RRN GLGQ W PDNH WKH FOLPE

2QFH WKH QHZVSDSHUV JRW KROG RI WKH VWRU\ WKHUH ZDV G

7KH \HDU ROG /OR\G JRW WRJHWKHU D WHDP RI IHOORZ PLQH  
3HWHU \$QGHUVRQ WR WDFNOH WKH PRXQWDLQ 7KLV JURXS KD  
PRXQWDLQ 7KH\ NQHZ WKH DUHD DV ZHOO DV DQ\ERG\ ,Q 'HF  
D PXOH DQG D GRJ WHDP 7KH\ KHDGHG VRXWK WRZDUG WKH P  
WHPHUDWXUHV KDG ZDUPHG WR GHJUHHV VHWLQJ UHFRU

%\ HDUO\ )HEUXDU\ WKH\ ILQDOO\ UHDFKHG .DQWLKQD 7KH\  
&DFKH &UHN )URP WKLV VSRW DW DERXW IHHW LQ HOHYD  
PRXQWDLQ %DVHG RQ KLV SUHYLRXV H[SHULHQFH /OR\G ZDV F  
PRXQWDLQ ZDV WR IROORZ WKH 0XOGURZ \*ODFLHU ZKLFK WKH  
VXFK KLJK ZDOOV RQ HDFK VLGH





# 6RXUGRXJK &UDPSRQV 7KH +LVWRU\ RI

6RPH EHOLHYH WKDW /OR\G VXIIHUG DOWLWXGH VLFNQHVV DQ  
RWKHUV FOLPEHG WR WKH VXPPLW 8QIRUWXQDWHO\ KH FRXOC  
EHHQ ZLWK WKH VXPPLW WHDP +H ILFWLRQDOLJHG KLV MRXUQ  
HYHU\RQH TXHVWLRQ ZKHWKHU DQ\RQH KDG PDGH WKH VXPPLW  
WR VWDWH HPSKDWLFDQO\ WKDW , SHUVRQDOO\ FRXOG QHYHU  
\$QGHUVRQ &KDUOH\ 0F\*RQDJDOO DQG %LOO 7D\ORU , ZLVK W  
IDU VXSHULRU WR PH LQ DELOLW\ DW DQ\ VWDJH RI WKH FOLPE  
EHIRUH DQG EHKLQG DQG , NHSW FDPS

6WLOO KLV OLHV FDXVHG GRXEW IRU \HUV 6HYHUDO DWWHPS  
PHPEHUV RI +XGVRQ 6WTFN V H[SHGLWLRQ VSRWWHG WKH  
DQG SXW WR UHVW DOO GRXEW DERXW WKH LQFUHGLEOH IHDW

6RXUFHV

7KH 6RXUGRXJK ([SHGLWLRQ 6WRULHV RI WKH 3LRQH \$ODVN  
HGLWHG E\ 7HUHQFH &ROH \$ODVND 1RUWKZHVW 3XEOLVKLQJ  
7R WKH 7RS ~~EA~~ %LOO 6KHUZRQLW \$ODVND 1RUWKZHVW %RRNV

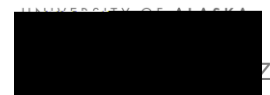
,QIRUPDWI ~~6RXUGRXJK~~ &OLPEHUV  
ZZZ DODVNDNLGV RUJ LQGH[ FIP NQRZ DODVND \$ODVND +LVWRU





6RXUGRXJK &UDPSRQV &KHL P+ELVQWR'U\QDIO

+LVWRU\ RI &UDPSRQV









6RXUGRXJK &UDPSRQV 7KH +LVWRU\ RI

6RXUGRXJK &UDPSRQV 7KH +LVWRU\ RI

6RXUGRXJK &UDPSRQV 7KH +LVWRU\ RI

3UHSDUH )RU <RXU ([SHGLWLRQ

<RX DUH D PHPEHU RI DQ H[SHGLWLRQ SODQQLQJ WF  
PDNH D OLVW RI DOO WKH HTXLSPHQW DQG VXS  
:RUN ZLWK \RXU JURXS PHPEHUV WR PDNH \F

5HPHPEHU WR FRQVLGHU

x :HLJKWRX FDQ RQO\ ~~SRXUQGV~~  
SHU SHUVRQ

x 6DIHWRX ZLOO QHHG VDIHW\ HTXLSPHQW

x :HDWKWRX PSHUDWXUHV RQ 'HQDOL  
FDQ UHDFK GHJUHHV )DKUHQKHLW  
DQG VWURQJ ZLQGV DUH FRPPRQ

x )RRG DQG :DWHU



6RXUGRXJK &UDPSRQV 7KH +LVWRU\ RI &OLPE  
3UHSDUH )RU <RXU ([SHGLWLRQ (TXLSPHQW

6NLV  
SRXQGV

6QRZVKRHV  
SRXQGV

%DFNSDFN  
SRXQGV

6KRYHO  
SRXQG

'XFW 7DSH  
SRXQG

7HQW  
SRXQGV





6RXUGRXJK &UDPSRQV 7KH +LVWRU\ RI &OLPE  
3UHSDUH )RU <RXU ([SHGLWLRQ (TXLSPHQW

6OHSLQJ %DJ  
SRXQGV

%RRWV  
SRXQGV IRU SDLU

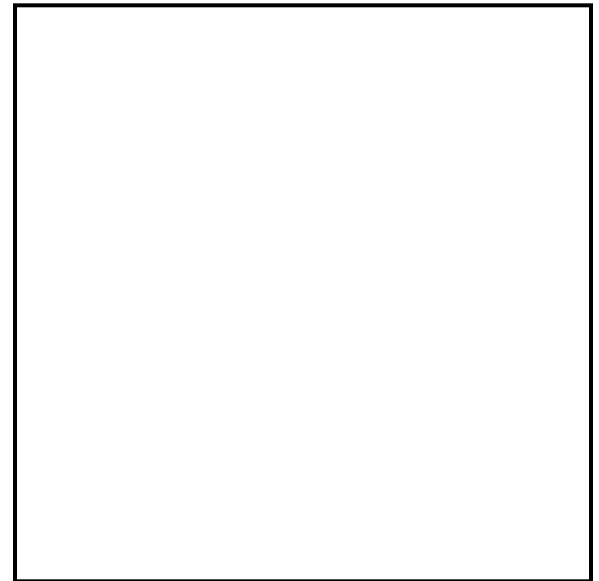
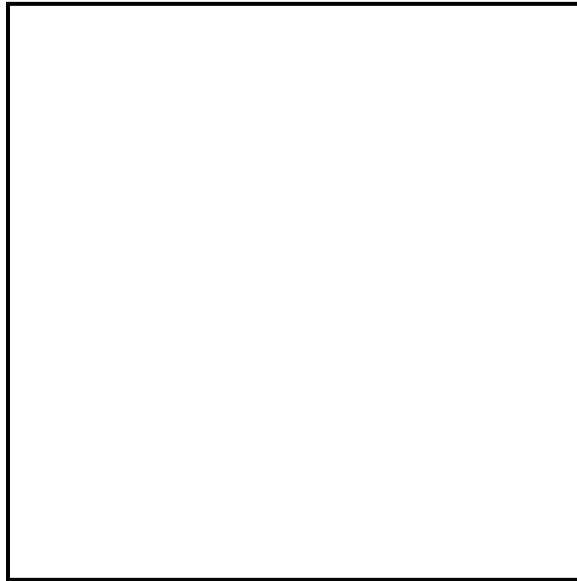
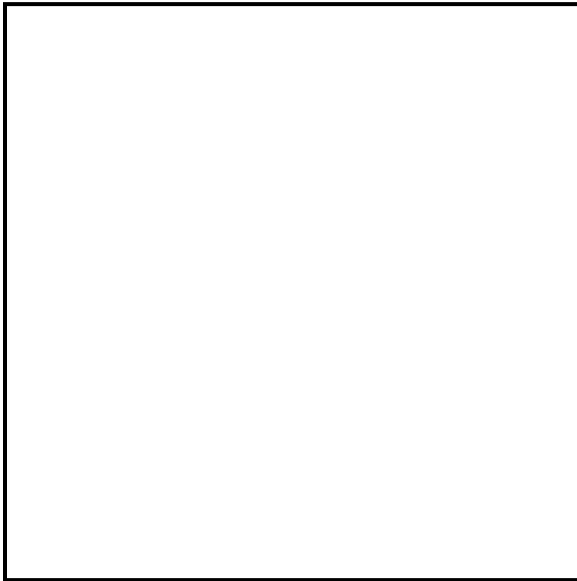
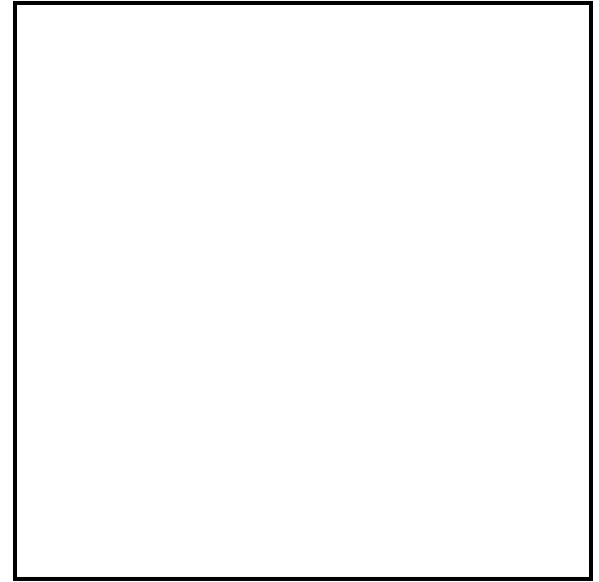
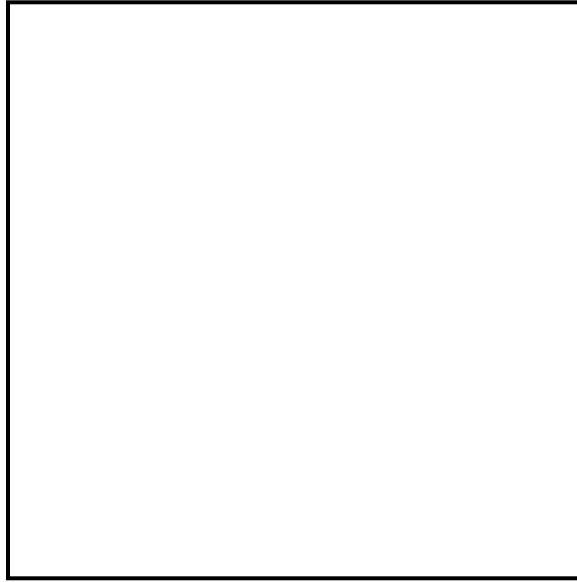
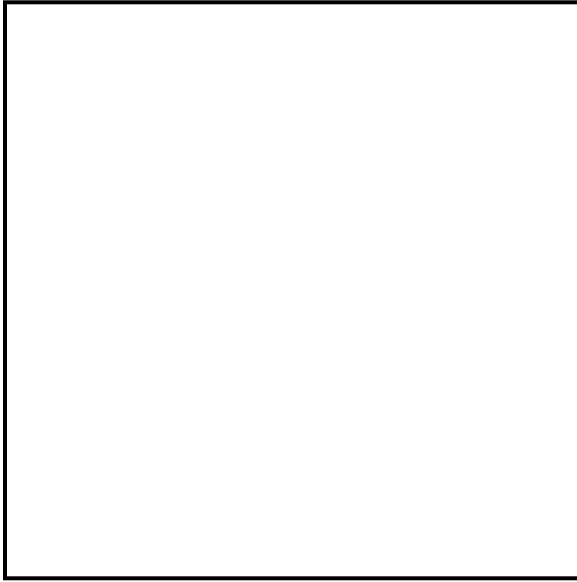
3DUND  
SRXQGV

0LWWHQV  
SRXQG IRU SDLU

\*RJJOHV  
SRXQGV



6RXUGRXJK &UDPSRQV 7KH +LVWRU\ RI &OLPE



7HDKL7KURXJK &ROOHFWLRQV 3URMHFW  
1DWLRQDO 3DUN 6HUFLFH &RRSHUDWLYH \$JUHHPHQWWDI3H& PXVXP

UNIVERSITY OF ALASKA

