

H-RXUQDO RI 7D[5HVHDUFK YRO QR SS

, GHQWLW\ WKHIW DQG WD[FU
PDGH LW HDVLHU WR GHIUDXG

ODWKHZ /HLJKWRQ 'DO\

\$EVWUDFW

7KH PRGHUQ SKHQRPHQRQ RI RQOLQH DSSOLFDWLRQV DQG SURFHVVHV PHDQ WKD
ERWK WKH UHYHQXH DQG RWKHUV EDVHG RQ LGHQWLW\ WKHIW 7KLV DUWLFOH
LQYHVWLJDWLRQ DQG VXEVHTXHQW SURVHFVXLWLRQ WR LGHQWLW\ ILQDQFLDO F
LQIRUPDWLRQ 7KH DUWLFOH DQDO\VHV WKH GHWHFWLRQ RI ILQDQFLDO FULPH
KRZ HIIHWLYHO\ H[LVWLQJ SURFHGXUDO ODZ DQG FULPLQDO RIIHQFH OHJLVODW
7KH DUWLFOH FRQFOXGHV WWDW ZKLOH WHFKQRORJ\ KDV FUHDWHG QHZ RSSRUW
WHFKQRORJ\ FRXSOHG ZLWK H[LVWLQJ ODZ VXUURXQGLQJ WKH SURRI RI GD
LQFOXGLQJ WKH \$XVWUDOLDQ 7D[DWLRQ 2IILFH FDQ FRXQWHU HYHQ WKH PRUH
SDUWLHV EDVHG RQ WD[SD\HU LQIRUPDWLRQ

.H\ ZRUNGDY[GPLQLVWUDWLRQ WD[HYDVLVRQ FULPH LGHQWLW\ IUDXG

6FKRRO RI /DZ 8QLYHUVLW\ RI :ROORQJRQJ

H-RXUQDO RI 7D[5HVHDUFKU IP y P0

H-RXUQDO RI 7D[5HVHDUFK

, GHQWLW\ WKHIV

ILQDQFLDO WUXVW WKDW WKH IUHDH GMOWURQWURQWLQDOCH W
WUXVWHG SHUVRQV EHFRPH WUXVW YLRODWLRUV ZKHQ W
ILQDQFLDO SUREOHP WKDW LV QRQ VKDUDEOH DUH DZD
UHVROYHG E\ YLRODWLRQ RI WKH SRVLWLRQ RI ILQDQFL

EB

H-RXUQDO RI 7D[5HVHDUFK

, GHQWLW\ WKHIV

UHOLDELOLW\ RI IDFVV DGGXFHG LQ FULPLQDO SURFHG
EHLQJ EH\RQG D UHDVRQDEOH GRXEW %\ WKH VDPH WRN
SHUVRQ JXLOW\ LQ D ILQDQFLDO FULPH FDVH RQH PLJKW
FRPSOH[ILQDQFLDO SURGXFRWWKBQGZRWGQVLDQFWMLRQJ W
WKH H[WHQW RI DQG W\SRORJLHV XVHG LQ ILQDQFLDO F
FRQYLFWLRQ GDWD PD\ QHHG WR EH WUHDWHG ZLWK FDU

2EWDLQLQJ UHOLDEOH GDWD LQ UHODWLRQ WR ILQDQFL
FRPPHQWV DERYH PRVW LQGLFWDEOH SURVHFXWLRQV D
ZKLFK RIWHQ GR QRW UHSRUW WKHLU GHFLVLRQV ,QIF
SURFHGGLQJV LQFOXGLQJ WUDQVFULSWV GRFXPHQWV WH
DV DQ\ IDFVV DJUHHG EHWZHQQ WKH SDUWLHV PD\ RQO\

7KH IROORZLQJ LV D GLVFXVVLQRQ DQG DQDO\VLV RI VRPH
SURVHFXWLRQ RI FHUWDLQ SHUVRQV DULVLQJ IURP 6WUL
WKH 1HZ 6RXWK :DOHV 3ROLFH)UDXG 6TXDG 6WDWH &U
PRUWJDJH IUDXG7K@ \$DXFRWWUDQISDRGXFHG EHORZ DUH WDN
WLWOHG µ\$JUHHG 6WDWPHQW RI)DFWV¶ ZKLFK ZDV FI
'LVWULFW &RXUW ILOH

2IIHQGHUV¶ PHWKRG RI RSHUDWLRQ

&RXUW GRFUXPMHODVWKD\WR\K M RPSOLFLW ZLWKJOLVHG

7KH RIIHQGHUV ZRXOG REWDLQ FRSLHV RI LGHQWLIL
LGHQWLILFDWLRQ LQIRUPDWLRQ IURP WD[SD\HUV ZLWK
ZKHWKHU WKHVH WD[SD\HUV ZHUH FRPSOLFLW WR DQ
VHWWOHG

&HUWDLQ GRFXPHQWV UHODWLQJ WR WKH WD[SD\HUV
IDOVLILHG WR VKRZ D KLJKHU WD[DEOH LQFRPH FKQHBO

H-RXUQDO RI 7D[5HVHDUFK

, GHQWLW\ WKHIV

WR IDFH FRQWDFW EHWZHHQ WKH DSSOLFDQW DQG S
FRPSDQ\

7KH RIIHQGHUV FDXVHG WKH PRQH\ RU SURSHUW\ REWD
PDGH DYDLODEOH WR WKHP 7KLV LQYROYHG WKH RIIHQ
GLVVLSDWLQJ WKH PRQLHV

:KHQ WKH WD[SD\HUV GHIDXOWHG LQ UHVSHFW RI W
SURFHGLQJV ZHUH FRPPHQFHG DJDLQVW WKHP WKH
NQRZOHGJH RI KDYLQJ DSSOLHG IRU ILQDQFH LQ WKH II
EHHQ WKH YLFWLP RI DQ LGHQWLW\ IUDXG

ODQ\ RI WKH IUDXGV LQYROYHG FRPSDQLHV :KHUH FRPS
ZRXOG UHFRUG WKH QDPHV RI WD[SD\HUV DV GLUHFWRU
UHJLVWHU RI WKH \$XWUDOLDQ 6HFXULWLHV DQG ,QYH
WD[SD\HUV LQ IDF^W KDG QR LQYROYH^{PHQW} ZLWK WKH FRP
WR WKH H[WHQW RI SURYLGLQJ WKHLU SHUVRQDO LQI
WKHPVHOYHV WKH GHSOR\PHQW RI WD[SD\HUV LQ WKH V
HVVHQWLDO FRPSRQHQW RI WKH VFKHPH DQG PD\ KDYH G

7KH RIIHQGHUV FRPPXQLFDWHG EHWZHHQ WKHPVHOYHV D
YLD PRELOH SKRQH 7KLV FRPELQHG ZLWK XVLQJ WKH
IDFLOLWLHV DQG DV FRPSDQ\ GLUHFWRUV DQG VKDUHK
GHVNWRS FKHFNLQJ RU LQYHVWLJDWLRQV E\ WKH ILQDQF
WKH FRQILGHQWLDO\ RI WD[SD\HU LQIRUPDWLRQ ZD
DGYDQWDJH

)UDXGV DJDLQVW ZKRP

)LUVW DQG REYLRXVO\ WKH VFKHPH LQYROYHG D IUDXG
SURYLGHG WKH IDFLOLWLHV SXUSRUWHGO\ WR WKH WD[SD
WKH \$72 7KLV ZDV LQ WZR GLIIHUhQW ZD\V ,W ZDV D I
IUDXGVWHUV ZHUH WKH EHQHILFLDULHV RI WKH PRQH\ RU
WKH VFKHPH DQG REYLRXVO\ WKLV ZDV QRW UHSRUWHG
\$72 EHFDXVH WKH IUDXGVWHUV ZHUH i72H\WHG D4@ H WH

H-RXUQDO RI 7D[5HVHDUFK

, GHQWLW\ WKHIV

H-RXUQDO RI 7D[5HVHDUFK

, GHQWLW\ WKHIV

E WHQGHULQJ D GRFXPHQW WKDW
L LV RU SXUSRUVW WR EH D FRS\ RI WKH GRF
LL KDV EHHQ SURGXFHG RU SXUSRUVW WR
GHYLFH WKDW UHSURGXFHV WKH FRQWHQWV
F LI WKH GRFXPHQW LQ TXHVVWLRQ LV DQ DUWL
UHFRUGHG LQ VXFK D ZD\ DV WR EH FDSDEOH RI
RU LQ ZKLFK ZRUGV DUH UHFRUGHG LQ D FRGH L
WHQGHULQJ D GRFXPHQW WKDW LV RU SXUSRUV
G LI WKH GRFXPHQW LQ TXHVVWLRQ LV DQ DUWL

H-RXUQDO RI 7D[5HVHDUFK

, GHQWLW\ WKHIV

GRFXPHQWV\ 7KLV VHFWRQ QRW RQO\ IDFLOLWDWHV WK
DQ\ VXPPDU\ DGGXFHG IURP WKH JHQHUDO SURKLELWLRQ

7KH GHILQH RFLXQH\ WKHH QFSHO\ DEWO\ IDFLOLWDWHV SURRI
RWKHU IRUPV RI GLJLWDO HYLGHQFH WKDW PLJKW EH UHO
FULPH ,Q 6WULNH)RUFH \$SLD DOWKRXJK WKH ODZ RI HY
UHOLDELOLW\ RI WKH HYLGHQFH DGGXFHG LQ WKH WULD
DGYHUVHO\ RQ HLWKHU LQYHVWLJDLVH DQG RU SURVHF
DERYH DQDO\VLV WKH H[LYLQJ HOOJFDSU\$RENOLV LVRQV DRFIL OMWKHD W
LQYHVWLJDLVH DQG SURVHFVWLRQ RI WHFKQRORJ\ HQD

)LQDQFLDO FULPH RIIHQFHV

+DYLQJ FRQLGHUHG ZKHWKHU WKH ODZ RI HYLGHQFH HI

H-RXUQDO RI 7D[5HVHDUFK

, GHQWLW\ WKHIV

H-RXUQDO RI 7D[5HVHDUFK

, GHQWLW\ WKHIV

D WKH SHUVRQ E\ D GHFHSWLRQ GLVKRQHVWO\ IURP DQRWKHU SHUVRQ DQG

E WKH RWKHU SHUVRQ LV D &RPPRQZH DOWK HQW 3HQDOW\ , PSULVRQPHQW IRU \HDUV

\$EVROXWH OLDELOLW\ DSSOLHV WR WKH SDUI RIIHQFH

7ZR OLPLQDO HOOPHQWV UHTXLULQJ VDWLVIDFWLRQ LQ WK&HULPLQDORU&R/GH (&ULW\ \$FDWUH GHFHSWLRQ DQG GLVKRQHVW\ , Q UHODWLRQ WR WKH IRUPHU OLHV PLVW FODVVLF LQIGLIRILOQGRQ DQG *OREH)LQDQFH&R&NROH\$RUDWLRQ GHILQHG GHFHSWLRQ DV IROORZV μ7R GHFHLYH LV , DS WKDW D WKLQJ LV WUXH ZKLFK LV IDOVH DQG ZKLFK WKH EHOLHYHV WR EH IDOVH 7KLV SDVVDJHSZBV DSZSKUR YHG 4XHHQLNH VHFWLRQ&ULPHRI \$W WIB: VHFWLRQ RI WKH &ULPLQD\ &ULPHVVO\ GHILQHV μGHFHSWLRQ\ WR LQFOXGH

x D GHFHSWLRQ DV WR WKH LQWHQWLRQV RI WKH SHUVRQ DQG

x FRQGXFW E\ D SHUVRQ WKDW FDXVHV D FRPSXWHU D WR PDNH D UHVSQRQVH WKDW WKH SHUVRQ LV QRW DX

K @ & Xtp
& XsPLpR XFVGe\ 0W\ GI\GF R\W\W\IRR\O\ XpQ G\U\ WLKH@& RXPEP, R1QZRHQG\W\K RF GLVKRQHVW\ ZKLFK LV GHILQHLOP LLQD\ D\Q\GRVOLIR\QWLRQ R%WRK H W\K&HULPHV \$FDWQG LV WKH VXEMHFW RI GHWDLOHG G

EX ° Wp gi`)^ EX D €` P O V R KV DF • R U% E \ % % W R Z/V V

H-RXUQDO RI 7D[5HVHDFK

, GH QWLW\ WKHIV

7KLV TXRWH ZRXOG VXJJHVW WKDW WKHU FROOHOS WR RGH IDQ PD\ QRW KDYH EHHQ LQWHQGHG WR H[WHQG WR HYDGHG \

\$DWKRH JKHQDQHUVW RQH HKHVQ QOH RLQLWRQ RI μ2EWGD
DGYDQWDJH RU FDXVLQJ D ILQDQFLDO GLVDGYDQWDJH
LQFOXGHV WHPSRUDU\ ILQDQFLDO DG&DQWLQJDHO\ &WGH WH
\$W FRPPRQ ODZ LW LV E\ QR PHDQV FOHDU ZKHWKHU H
DPRXQW WR D ILQDQFLDO DGYDQWDJH)RU H[DPSOH WKH
YDOXHOHV FKHTXH ZDV LQ IDFW D FRQGLWLRQDO SD\PHC
E\ WKH SD\LQJ EDQN 7KXV QR FUHGLW ZDV DVNHG IRU E
EXW QRW D IUDXG WR REWDLQO YDULWDO FWDO BG YDQE\WDRH
3BQRW6HEF X V\ LQROQ\ R UTXE\Q HU

EX Wp DQWHDQ DO O

H-RXUQDO RI 7D[5HVHDUFK

, GHQWLW\ WKHIV

H-RXUQDO RI 7D[5HVHDUFK

, GHQWLW\ WKHIV

ZLWK H[LVWLQJ ODZ VXUURXQGLQJ WKH SURRI RI GDWD
UHJXODWRU\ DJHQFLHV LQFOXGLQJ WKH \$72 DSSHDU WR
WKH PRUH VRSKLVWLFDWHG DWWHPSWV WR GHIUDXG WK
WD[SD\HU LQIR