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NOTE FROM THE EDITOR

Capitalist Influences on Chinese Masculinities through Cinema

M, b_'UbMO'! [b0/BUM_B/'

G.*%' G%-' #"*H' K11*' %' N")*0\$?' 0G%0' G%-' 1*I"?1&' %' G.HG' &1H\$11' "+' J"A1\$' %*&' .*+#)1*N1' ">1\$' .0-' *1.HGK"\$.*H' N")*0\$.1-L']"\$' %' H\$1%0' 3%*?' ?1%\$-' !G.*%' A%-' 0G1' J"A1\$G")-1'"+'0G1', -.%*'A"\$#&L'B>1\$'0G1'N")\$-1' "+'0.31'"0G1\$'N")*0\$.1-'K1H.*'0"'\$.-1'.*'J"A1\$5' %*&'NG%##1*H1'0G1'G1H13"*.N'\$)#1'"+'0G1'!G.*1-1' 13J.\$1L' @10A11*' (%J%*' %*&' 3%*?' Z1-01\$*' *%0."*-5' !G.*%' A%-' -#"A#?' \$13">1&' +\$"3' .0-' J"-.0."*'%-'0G1'\$)#1\$'"+', -.%5'%*&'J#%N1&'.*'%' J"-.0."*'"+'J)\$1'-)K"\$&.*%0."*'0"'+"\$1.H*'J"A1\$-L' Q) \$.*H' 0G.-' J1 \$."&' "+' .3 J1 \$.%#.-35' !G.*1-1' H">1\$*31*0'%*&'-"N.10?'A%-'+"\$N1&'0"'NG%*H1'.*' "\$&1\$'0"'0G\$.>1'A.0G.*'0G1'*1A'N)#0)\$1'0G%0'A%-' -#"A.*H' K1H.**.*H' 0"' +"\$3L' F%T1*' "*' %' \$"##1\$' N"%-01\$' \$.&1' "+' J"#.0.N%#' .*-0.0)0."*-5' !G.*%')*&1\$A1*0'%'#''*H'J1\$.''&'''+'H1*1\$%#')*N1\$0%.*0?'.*' 1>1\$?&%?'#.+15'K)0'1>1*0)%##?'N%J.0%#.-3'-100#1&'.*' %*&'3%&1'.0-1#+'0G1'3%.*'WN)#0)\$1Y'.*'!G.*%5'A.0G' !"33)*.-3' \$13%.*.*H' 0G1' J"#.0.N%#' +%N1L' FG1' 3%-N)#.*1'-0?#1'"+'31*'K1H%*'0"'NG%*H1'+\$"3'%' +.H)\$1'&1>"01&'0"'G.-'N")*0\$?'0"'%'K)-.*1--3%*' &1>"01&'0"'0G1'%#3.HG0?'.*N"31L'FG.-'J)\$-).0'"+'%' N%J.0%#.-0' #.+1-0?#15' %' Z 1-01\$*' N\$1%0.''*5' .-' -"310G.*H' 0G%0' J\$">1-' 0"' K1' &10\$.31*0%#' 0"' !G.*1-1' 3%-N)#.*.0?5' N%)-.*H' G.3' &.-0\$1--' 0G\$")HG")0'G.-'#.+1'K?'A%?'"+'1N"*"3.N%#' K%NT#%-G1-5' +%3.#?' -0\$.+15' %*&' #"-0' #">1L' FG1' 1R%3J#1-' A.0G.*' 0G1' -1#1N01&' +.#3-' -G"A' 0G%0' %#0G'')HG'!G.*%'G%-'H%.*1&'%'-1*-1'.*&1J1*&1*N1' +\$"3'+"\$1.H*'N")*0\$.1-5'0G1\$1'.-'-0.#'%'G.HG'&1H\$11' "+' Z 1-01\$*'.3J1\$.%#.-3'.*+#)1*N.*H'0G1'#.>1-'"+' !G.*1-1' N.O.c1*-L' FG.-'+"\$1.H*'.*+#)1*N1' N#%-G1-' A.0G' 0G1' *%0."*%#.-0' &1-.\$1' +"\$' .*&1J1*&1*0' N)#0)\$%#'N\$1%0."*L"

@1+''\$1'%*?'N#%.3-'%\$1'3%&1'%K'')0'3%-N)#.*1'

W#1.-)\$1Y'0.31L'@1N%)-1'''+'0G.-5'3''-0'-0)&1*0-'AG''' %00%.*1&' 0G1-1' &1H\$11-' N%31' +\$''3' A1%#0G.1\$' K00T45(H\$)2'#3T502(#)4)1(')-('02(')-51810)-_(.)2(3)-2**'**#\$**35187**042\$)-8('')2(*)-H\$\$#3T502(\$)4(\$)1(')-518ETQq0.24000.2

! G.*1-1'''*1q'''*1') *%K#1'0'''K1'''K0%.*1&'K?'+''\$1.H*' 31*'AG'''A1\$1'")0-.&1'0G1'W''\$K.0'"+'N.>.#.c%0."*Y' 8 ").1'7: f; d', -'!G.*%'-)++1\$1&'?1%\$-'"+'Z1-01\$*' 63J1\$.%#.-35'0G1'.&1%' "+'0G1' ! G.*1-1' 3%*' A%-' K\$"T1*'&"A*'%*&'\$1N\$1%01&L'Z1-01\$*'>.1A-'"*' !G.*1-1' 3%-N)#.*.0?' G%>1' %#A%?-' K11*' \$%0G1\$' *1H%0.>1L' B+01*' >.1A.*H' ! G.*1-1' 31*' %-' WA1%T5' .33%0)\$15' -1#+.-G5' %*&' .3J"01*0Y5' 0G1' Z1-0' \$1-1\$>1&'0G1'0.0#1'"+'W0\$)1'3%-N)#.*.0?Y'+"\$'+.H)\$1-' -)NG'%-'b%3K"'%*&'F%T%T)\$%'a1*'8/"*H'4:e<l'@)0' 0G.-'N%*'G%\$&#?'K1'-11*'%-'%'+%.\$'%\$H) 31*0L'!G.*%' G%-'N" 31'+\$" 3'%'N)#0)\$1'0G%0'G%-'%'#" *H'G.-0"\$?'"+' %*&\$"H?*?L' [%>.*H' *"' A"\$&' 0G%0' -J1N.+.N%##?' J".*0-' 0"' N)#0)\$%#' 3%-N)#.*.0?' "\$' +13.*.*.0?' .3J#.1-' 0G%0' .*' 63J1\$.%#' !G.*1-1' 0.31-5' .*01\$%N0."*-' A1\$1' 3"\$1' .3J"\$0%*0' 0G%*' %' #.*H).-0.N' 01\$3' .&1*0.+?.*H' H1*&1\$' %-' %' -"N.%#' N" *+.H) \$%0." *'8(% *T" A.%T'D<l' X%-N)#.*.0?'.*'!G.*%'G%-'%#A%?-'K11*'\$%0G1\$'

+#).&L'6*'1%\$#?'&?*%-0.1-'1&)N%0."*'A%-'-0\$1--1&'%-'
OG1' J%0G' 0G%0' 31*' %\$1' 1RJ1N01&' 0''' 0%T1L' !.>.#'
/1\$>.N1' MR%3-' H\$%*01&' #.01\$%\$?' &1H\$11-5' AG.NG'
A")#&' -1N)\$1' "*1' %' J"-.0."*' A.0G.*' 0G1'
H">1\$*31*0L' BJ1*' "*#?' 0''' 3%#1-5' 0G1-1' 1R%3-'
A1\$1' G.HG#?' N"3J10.0.>15' J#%N.*H' 0G1' -"#1'
.3J"\$0%*N1' "*' 0G1' 3%-01\$?' "+' 0G1' ! "*+)N.%*'
! #%--.N-L'FG1-1'1R%3-'\$1S).\$1&'%'G.HG'%3")*0'"+'
0.31' &1>"01&'0"'0G1'-0)&?.*H'%*&'313"\$.c%0."*'
"+'0G1-1'01R0-5' AG.NG'A")#&'\$1S).\$1'"*1'0"'G%>1'
1*")HG'.*N"31'%*&'\$1-")\$N1-'0"'%##''A'"*1'0G.-'

N"*N1J0' "+' Z 1*' %*&' Z)' A%-' -11*' %-' %' J)\$1#?'

"+'AG%0'3%-N)#.*.0?'31%*-'+"\$'!G.*1-1'31*5'-)NG' %-'"*1'WAG"'K\$.*H-'G"*"\$'0"'0G1'3"0G1\$#%*&'%*&' -%+1H)%\$&-'*%0."*%# &.H*.0?'"*'0G1'.*01\$*%0."*%#' -0%H1Y'8/"*H'4:E<!].*%##?'")0'"+'0G1'\$1%NG'"+' &.N0%0"\$-'%*&'+"\$1.H*'N")*0\$.1-5'%'-1*-1'"+' W*%0."*%#.-3Y'K1H%*'0"'K1'0G1'N1*01\$'"+' 3%-N)#.*.0?'8/"*0(")6(*)m/TT2Y2()12()1M4-41(.)10(*)1.4cmBT0.0154TBT1m4(N)-1(1.4c(0)9(?)7)6F(N)-0*0(0)9

] "\$' 1R%3 J#1-' "+' 0G1' &.++1\$1*0' 0?J1-' "+' 3%-N)#.*.0.1-' 6' A.##' K1')-.*H' -1>1\$%#' &.++1\$1*0' X%.*#%*&'! G.*1-1'3">.1-'%-'1R%3 J#1-5'%-'A1##'%-' %' I".*0' ["*H' a"*HPX%.*#%*&'!G.*%' J\$"&)N0."*L' FG1' +.#3-' AG.NG' A.##' K1')-1&' .*' 0G.-' J%J1\$' %\$1' W/G"A1\$Y5'W@1.1.*H'@.N?N#1Y5'WF"H10G1\$Y5'%*&'W_%*' 0) YL'W/G"A1\$Y'.-'%'+.#3'%K")0'%'3%*'A.0G'0A''-"*-' AG''\$)*-'%'K%0GG'')-1'.*'@1.1.*HL'B*1''+'G.-'-"*-' .-'%'-)NN1-+)#'K)-.*1--' 3%*5'AG.#1'G.-''0G1\$'-"*' A%-'K''\$*'A.0G'%'31*0%#'G%*&.N%JL'FG1''#&1\$'-"*5' Q%' X.*H5'\$10)\$*-'G''31' %+01\$' \$1N1.>.*H'%' #1001\$' +\$''3'0G1'?'')*H1\$'-"*5'M\$'X.*HL'Q%'X.*H'1*&-')J' -0%?.*H'A.0G'G.-'+%0G1\$'%*&'K\$''0G1\$'+"\$'-''31'0.31' %-'G.-'+%0G1\$V-'G1%#0G'K1H.*-'0''&1N#.*1'&)1'0''G.-' %H1L' FG1' +%0G1\$V-'G1%#0G'&1N\$1%-1-'+%-01\$' %-' G1'

!"33)*.-0-'A%-'0"'\$1P1&)N%01'0G1'J1"J#15'%*&'.*' "\$&1\$'0"'&"'0G.-'3%*?'%-J1N0-'"+'!G.*1-1'N)#0)\$1' A1\$1'1.0G1\$'&1-0\$"?1&'"\$'%JJ\$"J\$.%01&'%*&')-1&' +"\$' %' &.++1\$1*0' J)\$J"-1L' FG1\$1+"\$1' 3)NG' "+' !G.*1-1' N.*13%' A%-' &"3.*%01&' K?' WJ"#.0.N%#' 1&) N%0."*'+.#3-Y'8!G%*'744<L'M>1*'J#%N1-'AG.NG' %\$1'0G")HG0'"+'%-'3"\$1'"J1*'%*&'#.K1\$%#5'-)NG'%-' ["*H'a"*H'%*&'F%.A%*5'G1#&'\$%0G1\$'N"*-1\$>%0.>1' -0%*N1-'AG1*'.0'N%31'0"'G"3"-1R)%#.0?L'F%.A%*' H\$1A' +"\$' 3%*?' ?1%\$-')*&1\$' 0G1' aXF' 8a) "3.*0%*H<' #1%&1\$-G.JL' FG1' aXF5' G1%&1&' K?' !G.%*H'a%.P-G1T5'A%-'%'G.HG#?'N"*-1\$>%0.>1'H\$")J5' K)0' F%.A%*' H\$%&)%##?' 13K\$%N1&' %' #.K1\$%#' >.1A' 8! G%*' 74; <! ["*H' a"*H' %#-"' K1H%*' A.0G' %' *1H%0.>1'>.1A'"*'G"3"-1R)%#.0?5'%-')*&1\$'@\$.0.-G' \$)#1' WH%?' 3%#1' -1R' K10A11*' N''*-1*0.*H' %&)#0-LLA%-'N''*-.&1\$1&'%'N\$.3.*%#'%N0Y5')J')*0.#' 7EE7' AG1*' 0G.-' #%A' A%-' NG%*H1&' 8! G%*' 74; <l' @1N%)-1'"+'0G1'S).NT'J\$"H\$1--."*'"+'F%.A%*'%*&' ["*H' a"*H5' 0G1?' G%>1' K1N" 31' 0G1' ")0#10-' +"\$' 3)NG' "+' 0G1' !G.*1-1' -J1%T.*H' A"\$#&' +"\$' G"3"-1R)%#' N.*13%' %*&' 31&.%' Z.0G' 0G1' &.++1\$1*N1-' K10A11*' 0G1-1' 0A"' 01\$\$.0"\$.1-' %*&' 3%.*#%*&'!G.*%5'.0'N%*'K1'&.++.N)#0'0'''-%?'0G%0' 0G1-1'3">.1-'\$1J\$1-1*0'G"3"-1R)%#'.*&.>.&)%#-' A.0G.*' 3%.*#%*&'!G.*%L', -'#''*H'%-'0G.-'.-'0%T1*' .*0"' N"*-.&1\$%0."*5' 0G1')-1' "+' F%.A%*1-1' %*&' ["*H'a"*H'N.*13%'N%*'K1')-1&'0"'-G1&'#.HG0'"*' W! G.*1-1Y' J''\$0\$%?%#-'''+' G'' 3''-1R)%#' 3%-N)#.*.0?5' &)1'0"'0G1'G.HG'&1H\$11'"+'+"\$1.H*'.*+#)1*N1'0G1-1' N") *0\$.1-'G%>1'1RJ1\$.1*N1&'AG1*'N"3J%\$1&'0"' X%.*#%*&'!G.*%L', #0G")HG'A.0G'0G1'1-0%K#.-G31*0' "+'K%\$-5'A1K-.01-5'3%H%c.*1-5'%*&'"\$H%*.c%0."*-5' G"3"-1R)%#'%*&'WH1*&1\$1&'31*'%\$1'K1N"3.*H' 3"\$1'>.-.K#1Y'8/"*H'4: E<'

#1%\$*-' 0G%0' 0G1' G)0''*H' 0G%0' G.-' K%0GG'')-1'.-' #''N%01&'.*'.-'-10' 0''' K1' &13''#.-G1&'+''\$' *1A' N''*-0\$)N0.''*L'M>1*0)%##?'0G1'+%0G1\$'&.1-5'%*&'Q%' X.*H'.-'#1+0'0''-)JJ''\$0'M\$'X.*HL''

n.%"'U).5'AG"'3">1-'0"'@1.I.*H'A.0G")0'3)NG'0"'

G.-'*%31L')NT.#?'G1'\$1N1.>1-'13J#''?31*0'%0'%*'

1RJ\$1--'K.N?N#1'&1#.>1\$?'-1\$>.N1'N"3J%*?L'M%NG'

&1#.>1\$?'K''?'.-'H.>1*'%'*1A5'G.HGP1*&'K.N?N#15'0G1'

N"-0' "+' AG.NG' J%\$0.%##?' 0%T1*' ")0' "+' G.-' A%H1-'

) *0.#'.0'.-'J%.&'''++L'=*+''\$0) *%01#?'n.%'''U).V-'K.N?N#1'

.-' -0''#1*' I) -0' %-' G1' G%&' +.*.-G1&' J%?.*H' .0' ''++l' Z .0G'')0'%' K.N?N#1' G1' .-' +.\$1&'%-' G1' *''A' G%-' *'''

A%?'0"'3%T1'&1#.>1\$.1-L'[1'H"1-'.*'-1%\$NG'"+'G.-'

K.N?N#15'%*&'+.*&-'0G%0'.0'A.0G'%'-NG""#'K"?'*%31&' (.%*L' (.%*' .-' %' K"?' +\$"3' %' J""\$' +%3.#?' AG"'

W@1.I.*H'@.N?N#1Y'.-'%'+.#3'%K")0'%'?")*H'K"?5'

FG1'#%-0'+.#3'.-'W_%*'0)YL'FG.-'+.#3'.-'%K'')0'%' ?'')*H' -0)&1*05' _%*' 0)5' .*' @1.I.*H' AG'' .-' -0\$)HH#.*H' 0''' %++''\$&' G.-' 0).0.''*L' [1' 0)\$*-' 0''' J\$''-0.0)0.*H'G.3-1#+' 0''' "#&1\$5' A1%#0G?' 31*L' [1' G%-'%'G%\$&'0.31') *&1\$-0%*&.*H'-"31'"+'0G13'&)1' 0"'0G1.\$'%NN1*05'%*&'.-'*"0'-G?'AG1*'>1*0.*H'G1\$' +\$)-0\$%0."*'A.0G'0G13L'FG.-'.*01\$>.1A'.-'K1.*H' J1\$+"\$31&'+"\$'%'I"K'%-'%'K.N?N#1'&1#.>1\$?'K"?L' B*N1'G.\$1&5'%#'0G1-1'K"?-'%\$1'H.>1*')*.+"\$3-L' ! "#"\$%&"'(")\$*%#""+', -.%*'/0)&.1-'

6*'W@1.I.*H'@.N?N#1Y'n.%"'U).'.-'0G1'J.N0)\$1'"+' &1&.N%0."*'%*&'G%\$&'A"\$TL'=J"*'K1.*H'13J#"?1&5' G1'0%T1-'G.-'I"K'>1\$?'-1\$.")-#?L'U".*H'%K">1'%*&' K1?"*&'0G1'\$1S).\$131*0-'"+'G.-'J"-.0."*5'n.%"'U).' 1*-)\$1-'0G%0'1>1\$?'&1#.>1\$?'G1'3%T1-'.-'+)#+.##1&L' B*N1'G.-'K.N?N#1'.-'-0"#1*5'G1'.-'+.\$1&'+\$" 3'G.-'I"K' %-'G1' *''A'G%-' *'''A%?'0''' 3%T1' &1#.>1\$.1-L'[1' 3%T1-'%'&1%#'A.0G'G.-'K"--5'"*1'AG.NG'0G1'K"--' &"1-'*"0'K1#.1>1'A.#"N"31'0\$)15'0G%0'G1'A.#'K1' \$1G.\$1&'.+'G1'N%*'+.*&'G.-'K.N?N#1L', +01\$'-J1*&.*H' &%?-' %*&' *.HG0-' "*' 0G1' -0\$110-' -1%\$NG.*H5' G1' +.*%##?'+.*&-'G.-'K.N?N#1'.*'0G1'J"--1--."*'"+'(.%*L' [.-'&1&.N%0.''*'%*&'G%\$&'A''\$T'.-'N''*0\$%-01&'A.0G' (.%*5' 0G1' K"?' AG"' J) \$NG%-1&' G.-' -0"#1*' K.N?N#1' +\$"3'%'K.N?N#1'J1&\$L'(.%*'%#-"'N"31-'+\$"3'%' J""\$1\$' K%NTH\$") * &5' K) 0' -0.##' G%&' J%\$1*0%#' -)JJ"\$05' AG.#1' n.%"'U).'.-' A"\$T.*H'0"'-)JJ"\$0' G.3-1#+L'n.%"'U).'1%\$*1&'0G1'K.N?N#1'&)1'0"'G.-' G%\$&'A"\$T'%0'0G1'&1#.>1\$?'N" 3J%*?5'AG.#1'(.%*'"*' 0G1' "0G1\$' G%*&' -0"#1' 3 "*1?' +\$" 3' G.-' +%0G1\$' %*&' J) \$NG%-1&' 0G1' K.N?N#1' K1N%) -1' "+' G.-' +%0G1\$V-')*+)#+.##1&'J\$"3.-1-'0"'J)\$NG%-1'G.3'%'K.N?N#1L' 6H*"\$.*H'0G1'+%N0'0G%0'K"0G'0G1'3"*1?')-1&'0"'

J) \$NG%-1'0G1'K.N?N#15'%*&'0G1'K.N?N#1'.0-1#+5'A1\$1'

A.+1' AG''' A%-' A%.0.*H'+''\$'G.3'.*'/G1*cG1*5'.-'%' -0\$''*H'1R%3J#1'''+'+.#.%#'J.10?5'''*1'''+'!G.*%V-'3''-0' NG1\$.-G1&'0\$%&.0.''*-L'[1'J)0'%-.&1'G.-'J1\$-''*%#' #.+1'%*&'G.-'#)N\$%0.>1'N%\$11\$'.*'''\$&1\$'0'''N''*0.*)1' G.-'+%0G1\$V-'#1H%N?'0G1'K1-0'G1'N'')#&L''

* _ ? ı / ` 8 ` @ı / ` 8 ' Y'8@.H'3%*k'0")' #""T'&"A*'"*'G.35'?")'#""T'&"A*'"*'31L<'ZG.#1' Q%'X.*H'A%-'%0013J0.*H'0'''J)\$NG%-1'%'0.NT10'K%NT' 0"'/G1*cG1*5'M\$'X.*H'A%*&1\$-'"++L'B#&'_.)'+11#-' 0G%0'Q%'X.*H'A%-'N%\$1#1--'.*'N%\$.*H'+''\$'M\$'X.*H5' "*#?'+"N)-.*H'"*'\$10)\$*.*H'0"'G.-')JJ1\$'N#%--'#.+1L' B#&'_.)'.-'%NT*''A#1&H.*H'0G1'+%N0'0G%0'Q%'X.*H' G%-'\$%.-1&'G.3-1#+'0"'%'G.HG1\$'-"N.%#'-0%0)-'0G%*' G1'%*&'M\$'X.*HL'FG.-'-0%0131*0'-G"NT-'Q%'X.*H5' %-'G1'G%-'*"0'\$1N"H*.c1&'G"A'G1'G%-'K11*'%N0.*H' 0" A%\$&-' G.-' +%0G1\$' %*&' K\$"'0G1\$5' %*&' 0G.-' .-' G.-' 0) \$*.*H'J''.*0L'=J''*'\$1%#.c.*H'0G%0'G.-'+%0G1\$'A%-' .*'H""&'G1%#0G'.*'0G1'K1H.**.*H'"+'0G1'3">.1'G1' A%-' \$1%&?' 0"' \$10)\$*' G"31' %*&' 0"' A"\$TL' /"' +"N)-1&'"*'G.-'J)\$-).0'"+'A1%#0G'%*&'J"A1\$5'0G%0' G1'\$%\$1#?'G%&'0.31'+"\$'G.-'"*#?'+%3.#?L'FG.-'3%?' K1'-11*'%-'&1&.N%0."*'0"'A"\$T5'K)0'"+01*'.0'.-'-11*' %-'&1&.N%0."*'0"'3"*1?5'%-'G1'&"1-'*"0'A"\$T'%' JG?-.N%##?'#%K''\$.'')-'I''KL'b%0G1\$'G1'A''\$T-'A.0G'G.-' 3.*&5'%*&'.-'J%.&'%'3)NG'G.HG1\$'-%#%\$?'0G%*'0G''-1' AG"'A"\$T'A.0G'0G1.\$'K"&?L'B*N1'Q%'X.*H'#"-1-' G.-'+%0G1\$5'G1'\$1%#.c1-'0G1'J\$.N1'G1'G%&'J%.&'+''\$'G.-' J%-0'&1N.-."*-L'[1'#"-0'")0'"*'0.31'-J1*0'A.0G'G.-' +%0G1\$'%*&'K\$"0G1\$5'%*&'G1'.-'0G1*'+"\$N1&'0"'3%T1' %'&1N.-.''*\'\$10)\$***''31'0'''G.-'A.+1'%*&'N%\$11\$5'''\$' 0%T1'N%\$1'''+'M\$'X 0%T1'N%\$1'''+'M\$'X

Masc li A^{II} a c

$$\begin{split} & FG.-' \&1\&.N\%0.''*'0''A''\$T'.-'*''0G.*H'*1A5'\%-'.0'\\ .-'-11*'.*' W@1.I.*H' @.N?N#1Yl' n.\%''U).'.-'G.HG#?'\\ &1\&.N\%01&'0''G.-'A''\$Tl'@)0' W@1.I.*H'@.N?N#1Y'\\ .*0\$''&)N1-')-'0'''\%'&.++1\$1*0'0?J1'''+'\%00.0)&1l'(.%*'\\ N''31-'+\$''3'\%'#''A1$'N#%--'+%3.#?5'K)0'-113-'0'''\\ K1#.1>1'0G%0'G1'.-'A''$0G?'''+'%'G.HG1$'N#%--l'(.%*'$$
 $%001*&-'%'G.HG'N#%--'-NG'''#'A.0G'-0)&1*0-'AG'''\\ N''31'+\$''3'$%0G1$'A1%#0G?'+%3.#.1-l'^%?.*H'*'''\\ 3.*&'0'''G'A'G%$&'G.-'+%0G1$'3)-0'A''$T'0''J)0'\\ G.3'.*0'''-)NG'\%'-NG'''#5'(.%*'+11#-'G1'&1-1$>1-'\\ 3''$1l'[.-'+%0G1$'G%&'K11*'J$''3.-.*H'G.3'0G%0'G1'\\ A'')#&'J)$NG%-1'G.3'%'*1A'K.N?N#1'.+'G1'&.&'A1##'''''G.-'01-0-5'\\ K)0'G.-'+%0G1$'N'')#&'*'0'%++''$&'%'*1A'K.N?N#1l'(.%*5')$ %'?") *H'A"3%*'AG"'#.>1-'"++'0G1'H1*1\$"-.0?'"+' A1%#0G?'31*L'n.%"'!G) *'K1N"31-'N#"-1'A.0G'_.#.5 %*&'0G1?'1*&')J'&".*H'3%*?'0G.*H-'0"H10G1\$5 -G"JJ.*H5'H".*H'")0'0"'1%05'&.-N)--.*H'0G1.\$'#.>1-5' 10NL'B*1'&%?'&)\$.*H'%'-G"JJ.*H'0\$.J'_.#.'H"1-'0"'%' 0G%0'G1'G%&'&1>1#"J1&'-0\$"*H'+11#.*H-'+"\$'_%*'O)5' %*&'0G.-'K1H.*-'0"'N" 3J#.N%01'G.-'#.+1L''

Z.0G.*'1%NG'"+'0G1-1'+.#3-'0G1'NG%\$%N01\$-'G%>1' &.++1\$1*0' %00.0) &1-' \$1H%\$&.*H' 0G1.\$' %N0.''*-L' FG1' 31*'AG'''%\$1'%+01\$'N%J.0%#.-0'H%.*5'-)NG'%-'!G1*' %*&'(.%*5'&'''%#3"-0'%*?0G.*H'.*'''\$&1\$'0'''3%.*0%.*' 0G1.\$'-0%0)-L'FG1.\$'%JJ1%\$%*N1'.*'0G1'1?1-'''+'0G''-1' %\$")*&'0G13'.-'1R0\$131#?'.3J"\$0%*0'0"'0G13L' B+01*5'0G1?'A.#'0%T1'%&>%*0%H1'"+'0G"-1'%\$")*&' 0G13'.*'"\$&1\$'0"'T11J'0G.-'%JJ1%\$%*N1')JL', *&' 0G1*'0G1\$1' %\$1'0G"-1' 31*' AG"'NG""-1'0"'J)0' 0G13-1#>1-' "*' G"#&' .*' "\$&1\$' 0"' %--.-0' -" 31"*1' 1#-1L'_.)'! G1*H'%*&'n.%"'! G)*'K"'0G'\$1J\$1-1*0'0G.-' 0?J1' "+' NG%\$%N01\$5' %-' 0G1?' \$%\$1#?' 0G.*T' "+' 0G13-1#>1-'K1+"\$1'0G.*T.*H'"+'-"31"*1'1#-1L'FG1' H\$11&'K\$")HG0'"*'0G1'N%J.0%#.-0'J%0G'K#.*&-'0G1-1' NG%\$%N01\$-' +\$" 3' +11#.*H' +"\$' 0G1' J1"J#1' %\$") *&' G.35'G1'31\$1#?'-11-'G.-'''A*'-)NN1--'''\$'+%.#)\$1L'

Vices

Z .0G.*'%##'0G1-1'+.#3-5'0G1\$1'%\$1'N1\$0%.*'G%K.0-' %*&'%N0."*-'0G%0'%\$1'\$1-1\$>1&'+"\$'0G1'A''\$#&''+' 31*L'!.H%\$1001-'%*&'%#N''G''#'%\$1'G1%>.#?'N''*-)31&' K?'*1%\$#?'1>1\$?'3%*'.*'0G1-1'+.#3-L'6*'W/G''A1\$Y' 0G1'31*'AG''+\$1S)1*0'B#&'__.)V-'K%0GG'')-1'%\$1' "+01*'-11*'-3"T.*H'%*&'&\$.*T.*H'@%.I.)L'U%3K#.*H' .-'%#-''-11*'.*'0G.-'-100.*H'0G\$'')HG'N\$.NT10'+.HG0.*H' "\$' !G.*1-1' NG1NT1\$-L' B*1' '+' 0G1' J''J)#%\$' &.>1\$-.''*-'.*'0G1' K%0GG'')-1'.-'J#%?.*H'H%31-' A.0G' A" 31*V-'+%-G."*5' Z 1-01\$*'.*+#) 1*N1'-#" A#?' N\$1J0'.*0"'0G1'A"\$#&'"+'!G.*1-1'31*5'.3J%N0.*H' 0G1'A%?'!G.*1-1'31*'G%*'0G1.\$'3%-N)#.*.0?L'6*' 0G1' Z1-01\$*' A"\$#&5' 31*' %\$1' 3%-N)#.*.c1&' 0G\$")HG'0G1'-G11\$'+%N0'"+'K1.*H'-11*'%-'W-1R)%#' %*&'&1-.\$%K#1Y'8!G1*1?Pb.N1<L'X%*?'0.31-'J1"J#1' -0%01'0G%0'WK1%)0?'.-'.*'0G1'1?1'"+'0G1'K1G"#&1\$Y5' K)0'3%*?'-N.1*0.+.N'-0)&.1-'-G"A'0G%0'0G.-'.-'*"0' 0G1' N%-15' %*&' 0G1\$1' %\$1' N1\$0%.*' JG?-.N%#' 0\$%.0-' AG.NG' .*N\$1%-1-' %*' .*&.>.&) %#-' %00\$%N0.>1*1--L']"\$'31*'%'-J1N.+.N'K"&?P+%0'\$%*H15'%'N1\$0%.*'A%.-0' 0"'G.J'\$%0."5'K\$"%&'NG.*5'A.&1'I%A5'N1\$0%.*'%*H#1-' "+'0G1'1?1-5'10N'8Z 1#-G<L'FG1-1'0\$%.0-'A1\$1'-G"A*' 0"'K1'\$%0G1\$'N"*-.-01*0'%-'0G1?'0?J.N%##?'J".*01&' 0"'K1001\$'3%01-'8Z1#-G<l'6*'0G1'Z1-05'0G1-1'0\$%.0-' G%>1' K11*' 0%T1*' %*&' \$%N.%#.c1&' 0"A%\$&-' 0G1' W3%I''\$.0?YL' FG1' 3%-N)#.*1' +1%0)\$1-' %\$1' H.>1*' %' WAG.01'-0%*&%\$&Y5'AG.NG', -.%*'31*'8%*&'31*'"+' *"*PAG.01'K%NTH\$")*&-<'N%**"0'#.>1')J'0"'%-'0G1?' H1*10.N%##?' &"' *"0' G%>1' 0G1-1' 0\$%.0-' 8! G1*1?P b.N1<L'FG.-'3%-N)#.*1'-01\$1"0?J1'G%-'K#1*&1&'.*0"' , 31\$.N%*'31&.%5'AG.NG'G%-'K11*'0G1'+"N%#'J".*0' "+' 3)NG' "+' 0G1' A"\$#&L' FG1' Z 1-01\$*' A"\$#&' .*' H1*1\$%#'G%-'J%>1&'0G1'A%?'"+'0\$1*&-100.*H5'%*&' 0G1' \$1-0' "+' 0G1' A''\$#&' G%-' "+01*' +"##" A1&' %#"*H' A.0G' 0G1-1' 0\$1*&-L' ' FG1\$1' %\$1' 3%*?' .*-0%*N1-' A.0G.*'0G1-1'+.#3-'"+'!G.*1-1'31*'0%T.*H'0G1-1' 0\$1*&-'%*&'0)\$*.*H'0G13'.*0"'%'&%.#?'G%K.0L'X"-0' 0.31-'.0'.-'%'N#"'0G.*H'0\$1*&'AG.NG'.-'0%T1*'"*L'FG1' %-'W3%-N)#.*1Y5'0G1'%N0'''+'+''##''A.*H'0G1'N%J.0%#.-0'

! "#"\$%&"'(")\$*%#""+', -.%*'/0)&.1-'

Working Hard or Hardly Working: An Examination of Factors

- 4fEl'L'' e'FG''3%-'!L'/3.0G5'J%M%8%\$%<'N%?.#B'N%\$?.*H'%*&' : ''E)#%0.''*'.*'%'(%E%*1-1'Y.##%H1WQZQZ4Q[\]'
- 4'! "*\$%&'F"03%*5WF"T)H%A%'^1%-%*0-\'Z.*5'_"-15"'\$'
 Q\$%AoY'; "*)?1*0%'J.EE"*.6%'475'*"L'4'87ECf<\'4f;5
 G00J\vvAAALI-0"\$L"\$Hv-0%K#1v9DC4CfDL'L''
 ;'[%*15': 1%-%*0-WF1D1#-W> "?1*'%*&'5)06%-01-Wf;DL'
 f'F"03%*5WF"T)H%A%'^1%-%*0-\'Z.*5'_"-15"'\$'Q\$%AoY'

])\$0G1\$.*H'0G1'-0%H*%0."*'"+'0G1'J"J)#%0."*' A%-' +\$1S)1*0' .*+%*0.N.&1' %*&' %K''\$0.''*L' 6*' %NN''\$&%*N1' A.0G' 0G.-' >.1AJ''.*05'.*+%*0.N.&1' %*&' %K"\$0."*'A1\$1')-1&'%-'%'31%-)\$1'0"'1*-)\$1'0G1' -)\$>.>%#'"+'N)\$\$1*0'NG.#&\$1*'%*&'+%3.#?'313K1\$-L' 1%3.#.1-' N")#&' K%\$1#?' %++"\$&' 0G1' NG.#&\$1*' 0G1?' %#\$1%&?'G%&5'%*&'0G1'%&&.0."*'"+'%*"0G1\$'NG.#&' A")#&'G%>1'31%*0'%*'.3J"--.K#1'1RJ1*-1'0G%0' N'')#&'J)0'0G1'N)\$\$1*0'NG.#&\$1*5'%*&'0G1'+%3.#?'%-'%' AG''#15'%0'\$.-TL'X.T.-''' [%*1'1RJ#%.*-'0G%0'W.*'0G1' F"T)H%A%' J1\$."&5' J1%-%*0-' G%&' J\$%N0.N1&' .*+%*0.N.&1' AG1*' 0G1?' N")#&' *"0' %++"\$&' 0"' +11&' %*"0G1\$'NG.#&LY;'!"*0\$"##.*H'+%3.#?'-.c1'0G\$")HG' .*+%*0.N.&1' "\$' %K"\$0."*' A%-' %' A%?' 0"' 1#.3.*%01' %*?' 1R0\$%' NG.#&\$1*' %*&' 0G)-' N"-0-' %+01\$' 0G1' &1-.\$1&'*) 3K1\$'"+'NG.#&\$1*'G%&'K11*'\$1%NG1&L'6*' %&&.0."*'0"'+%\$3.*H5'3%*?'+%3.#.1-'0""T'"*'K?P 13J#"?31*0-' %-' %' &1-J1\$%015' #%-0' 31%-)\$1' 0"' 3%T1' 1*")HG' 3"*1?' 0"' -)\$>.>1Lf' FG.-' "+01*' 31%*0'+%3.#?'313K1\$-'%*&'J%\$1*0-'A")#&'G%>1' 0"'-11T'A"\$T'")0-.&1'"+'0G1'>.##%H15'#1%>.*H'*"'"*1' %0'G" 31'0"'N%\$1'+"\$'%*?'%&&.0."*%#'-3%##'NG.#&\$1*L' 6*'0G.-'-.0)%0."*5'K.\$0G'N"*0\$"#'3%&1'.0'J"--.K#1'+"\$' 313K1\$-'"+'0G1'+%3.#?'0"'H"'1%\$*'+)\$0G1\$'.*N"31L' 6*+%*0.N.&1'.*'J%\$0.N)#%\$'A%-'%#-'''%*'1R0\$131#?' 1++1N0.>1' 310G''&' ''+' +%3.#?' J#%**.*HL' 6+' +%3.#.1-' N")#&'%00%.*'%'&1-.\$1&'-1R'\$%0."'"+'K"?-'%*&'H.\$#-5' 0G1.\$'NG.#&\$1*'N")#&'N"*0\$.K)01'3"-0'1++1N0.>1#?'0"' 0G1'#''*HP01\$3'-)NN1--'''+'0G1'+%3.#?Le']''\$'1R%3J#15' +%3.#.1-'*11&1&'%'3%#1'G1.\$5'K)0'0""''3%*?'K"?-' N")#&' K1' \$.-T?' W+"\$' +1%\$' "+' N%)-.*H' +)0)\$1' N" 3J10.0." *'+"\$'0G1'+%3.#?'G1%&-G.J'%*&'N\$1%0.*H' 1.0G1\$'J\$1--)\$1'0"'&.>.&1'J\$"J1\$0?'"\$'J\$"K#13-'.*' J\$">.&.*H' +"\$' *"*P.*G1\$.0.*H' -"*-LYC' ["A1>1\$5' &%) HG01\$-' A1\$1' %#-''')-1+)#' +''\$' G'')-1A''\$T' %*&' N")#&' K1' 3%\$\$.1&' "++' .*0"' "0G1\$' +%3.#.1-L'

A"\$T1&' 0G1.\$' +.1#&-5' +)\$0G1\$' \$1&)N.*H' 0G1.\$' J\$"&)N0.>.0?L4' FG1' #%NT' "+' +""&' 1*-)\$1&' 0G%0' +%3.*1'A%-'N"33"*5'%'N"*0\$.K)0.*H'+%N0"\$'.*'0G1' -0%H*%0."*'"+'0G1'J"J)#%0."*L' A1%>.*H'N#"0GL7;'@1.*H'")0'.*'0G1'N")*0\$?'31%*0' 0G%0'0G1?'A1\$1'N#"-1\$'0"'0G1'*1N1--%\$?'-)JJ#.1-' *11&1&'+"\$'%'K?P $\begin{array}{c} Z \ G. \sharp 1' \ 0G1-1' \ 0A''' \ 0G1'' \$.1-' \ 3\%?' \ J \$1-1*0' \\ N'' * 0 \$ \%-0. * H' > .1 A - ''' * '0G1' - 0\% * \& \% \$ \& '' + ' \sharp .>. * H5' 0G1?' \\ K'' 0G' \ N \sharp 1 \% \sharp \sharp ?' \ \% H \$ 11' \ 0G1' \ J 1\% - \% * 0-' \ A 1 \$ 1' \ A'' \$ T. * H' \\ G \% \$ \& 5' \ AG10G1 \$' .0' \ A\% - '0''' 1* -) \$1' 0G1. \$' -) \$>. > \% \sharp'' $'' \\ N'' * 0. *) 1' \ 0G \$.>. * HL' \ 60' \ -G'') \sharp \&' \ \% = -'' \ K 1' \ *'' 01 \&' 0G \% 0' \\ \% - J 1 N 0-' \ '' +' \ K'' 0G' > .1 \ A J'' \ * 0-5' \ '' +' - N G'' \# \% \$ -' -) \ NG' \ \% -' \\ \left[\% * 1' \ \% * \&' \ F'' 0 3 \% *' \ \% * \&' \ 0G \% 0'' \ '' +' - N G'' \# \% \$ -' -) \ NG' \ \% -' \\ / \ 3.0G5' G 1 \sharp \&' \ 0\$) 1' \ .*' \ J \% \$ 0. \ N \ \# \% '' \ N.\$ N \ 3 - 0\% * N - '' \\ \end{array}$

 $\label{eq:NG%*N1-' "+' -)} > .> \% #' 1>1*' +''$' 3\% #1' .* + \% *0-' & .3.* .- G1&' AG1*' K1.* H' K''$*' & .$1N0 #?' \% +01$' \% *' "# & 1$'K$'' 0G1 $L^{D7'}$

` "\$0G1%-01\$*' (%J%*' -)++1\$1&' +\$"3' +%3.*1-' 3"\$1' "+01*' 0G%*' "0G1\$' \$1H."*-5' 3%T.*H' .0' *1N1--%\$?'+"\$'J1%-%*0-'\$1-.&.*H'.*'0G1'*"\$0G1%-0' 0"'A"\$T'G%\$&'.*'"\$&1\$'0"'-)\$>.>1L'FG1-1'+%3.*1-' A1\$1' "+01*' N%) -1&' K?' A.0G' *%0) \$%#' &.-%-01\$-L' 6*' ; %D.M.5']%K.%*' Q\$.R#1\$' &1-N\$.K1-' "*1' -)NG' .*N.&1*0\'WFG1*'0G1'H\$1%0'F1*31.'+%3.*1'0)\$*1&'%' &"A*A%\$&'-#"J1'.*0"'%'J\$1N.J.N1L', 0'0G1'K"\$&1\$'"+' /G.*%*"'%*&'awc)T15'X")*0', -%3%'-J1A1&'%-G' %*&'\$"NT-'">1\$'%'#%\$H1'J%\$0'"+'0G1'` "\$0G'a%*0w'.*' 1%\$#?'7eCDL'6*'() *1'"+'0G%0'?1%\$5'0G1\$1'+"##"A1&'%' -1\$.1-' "+' 1>1*' H\$1%01\$' >"#N%*.N' 1\$)J0."*-' .*' 6N1#%*&L' =*&1\$' 0G1' *''\$0G1\$*' G13.-JG1\$1V-' &%\$T1*1&' -T.1-5' 013J1\$%0)\$1-' &\$"JJ1&5" &.-\$) J0.*H'+%\$3.*H'-?-013-'+\$" 3'6N1#%*&'0"'6*&.%L' 6*' ` "\$0G1%-01\$*' (%J%*5') *-1%-"*%K#1' +\$"-0' %*&'

+%\$3.*H'J\$%N0.N1-'%*&'0G)-'G%&'%'3%I"\$'1++1N0'"*' %##' "0G1\$'%-J1N0-'"+'0G1'J1%-%*0V-'#.+1L'FG.-'%##' 1++1N01&'G"A'G%\$&'0G1'J1%-%*0'3)-0'A"\$T'.*' "\$&1\$'0"'0\$?'%*&'">1\$N"31'0G1'N#.3%N0.N' NG%##1*H1-L'["A1>1\$'\$1H."*'%'J1%-%*0'#.>1&'.*' %#-"'&101\$3.*1&'.+'0G1?'A1\$1'3"\$1'#.T1#?'0"' 1RJ1\$.1*N1'%'*%0)\$%#'&.-%-01\$5'"\$'.+'1J.&13.N-' A1\$1'N"33"*'.*'0G1'%\$1%L'FG1-1'A1\$1'+%N0"\$-' A1\$1'G.HG#?'&1-0\$)N0.>15')*J\$1&.N0%K#1'%*&'N")#&' -0\$.T1'%0'%*?'0.31L'`"'3%001\$'G"A'G%\$&'%'J1%-%*0' A"\$T1&'0G1-1'+%N0"\$-'N")#&'*"0'K1'">1\$'N"31L'

'

Gender

, -'.*'%*?'-"N.10?5'H1*&1\$'J#%?1&'%'-.H*.+.N%*0' \$"#1'.*'&101\$3.*.*H'0G1'%3")*0'%*&'0G1'*%0)\$1'"+'

0G\$1%&5'''\$'A''>1'N#''0G'+''\$'3%\$T10Lj⁺7'[''A1>1\$5'.+'%' +%3.#?'A%-'J%\$0.N)#%\$#?'A1%#0G?'0G1'A''3%*V-' &)0.1-''')0'.*'0G1'+.1#&'&.3.*.-G1&'K)0'.*-01%&'

"\$&1\$'0"'0\$?'%*&'1*-)\$1'0G1'+)0)\$1'-)NN1--'"+'0G1' +%3.#?L'FG1'J%--%H1-'&1-N\$.K1'310G''&-'''+'\$%.-.*H' NG.#&\$1*'0'''.*-0.##'.*'>%#)1-'.*'0G13'%0'%'?'')*H'%H1' 0G%0' A")#&' G1#J' 0G13' 0"' K1N"31' -)NN1--+)#' %&)#0-L'FG1'+.\$-0'J%--%H1'+"N)-1-'"*'K"?-5'AG"'.*' 0G1' +)0)\$1' A.##' K1N"31' +%\$31\$-' %*&' J"01*0.%#' G1%&-' "+' G")-1G"#&\' W]\$" 3' 0G1' %H1' "+' C' K"?-' -G")#&'H%0G1\$'H\$%--'+"\$'0G1'%*.3%#-5'J.NT')J'G"\$-1' &) *H' +\$" 3' 0G1' \$"%&5' 3%T1' \$" J15' %* &' G1#J' A.0G' "0G1\$' #.HG0' A"\$TL' Z G1*' 0G1?' A"\$T' A1##5' 0G1?' -G")#&'K1'J\$%.-1&'%*&'H.>1*'%'N".*L'ZG1*'0G1' N".*-'%NN)3)#%01'0"'%'-)++.N.1*0'-)35'0G1'NG.#&\$1*' -G")#&'K1'%##"A1&'0"'K)?'-"310G.*H'A%*0L', #-"5' AG1*'0G1?'%\$1'H.>1*'N#"0G1-5'0G1?'-G")#&'K1'0"#&' .0'.-'%'\$1A%\$&'+"\$'A"\$TL'FG)-'0G1.\$'NG.#&.-G'G1%\$0-' A.##' &1>1#"J' 0G1' -J.\$.0' "+' .*&)-0\$?' %*&' J1\$-1>1\$%*N1L'6+'0G1?'%\$1'H.>1*'-).0%K#1'A''\$T'.*' 0G.-'A%?'AG1*'0G1?'%\$1'?")*H'%*&'0%)HG0'+%\$3.*H' -T.##-'%-'0G1?'H10'''#&1\$5'K?'%H1'74'''\$'7; '0G1?'A.##' K1' .*&) -0\$.") -' %*&' 310.N)#") -' +%\$31\$-LYe9' FG1' %K">1' J%--%H1' 01%NG1-' K"?-' 0G%0' .+' 0G1?' A"\$T' G%\$&5'1>1*'%0')*J#1%-%*0'0%-T-'-)NG'%-'N''##1N0.*H' &) *H5' .0' A.#' K1' A''\$0G' .0' .*' 0G1' 1*&' %*&' 0G1.\$' 1++"\$0-'A.#'K1'\$1A%\$&1&L'@?'\$1A%\$&.*H'0G1'K"?-' A.0G' N".*-5' 0G1?'#1%\$*' 0G1'.3J"\$0%*N1' "+'-%>.*H' 0G1.\$'3"*1?'%*&'-J1*&.*H'.0'A.-1#?L'FG1-1'A")#&' G%>1'K11*'*1N1--%\$?'0\$%.0-'+"\$'%'3%#1'F"T)H%A%' 1\$%' J1%-%*05' 1-J1N.%##?' %' J"01*0.%#' G1%&' "+' G")-1G"#&' A")#&' *11&' 0"' &13"*-0\$%01' +.-N%#'

\$1-J"*-.K.#.0?L" '-1N''*&'J%--%H1'+1%0)\$1&'.*'*J%M%8%*\$%'-0%\$0-' K?'1RJ#.N.0#?'-0%0.*H'W`"0G.*H'.-'3"\$1'.3J"\$0%*0' 0G%0' \$%.-.*H' NG.#&\$1*LYeD' FG1' J%--%H1' %#-''' -0%01-' G"A'+\$"3'%'?")*H'%H1'NG.#&\$1*'W-G")#&'K1'3%&1' 0"' #""T' %+01\$' 0G1' ?") *H1\$' NG.#&\$1*5' G1#J' A.0G' -J.**.*H5' %*&' A''\$T' .*' 0G1' +.1#&-Y' +''N)-.*H' 0G.-' 0.31'"*'0%-T-'0G%0'-")*&'3"\$1'#.T1'0G1'&)0.1-'"+'%' +)0)\$1'J1%-%*0'A.+1L', *"0G1\$'J%--%H1'#%?-'")0'0G1' H\$.3'+)0)\$1'"+'%'+%3.#?'AG"'&"'*"0'.*>1-0'0.31' .*0"' \$%.-.*H' 0G1.\$' NG.#&\$1*' K?' -%?.*H' G"A' .+' NG.#&\$1*' %\$1' *''0' \$%.-1&' A1#' 0G%0' 0G1?' A.#' WK?' .*&"#1*N1'\$).*'0G1'+%3.#?LYe4'

Q1-J.01'0G1.\$'#"A1\$'-0%0)-'.*'-"N.10?'%*&'0G1' G%\$&'A"\$T'1RJ1N01&'"+'0G135'#.+1'A%-'*"0'1*0.\$1#?')*J#1%-%*0' +"\$' F"T)H%A%' J1%-%*0' A"31*L' , #0G")HG'3"-0'A"31*'A")#&'*1>1\$'H10'0G1'0.0#1'

"+' G1%&' "+' 0G1' G")-1G"#&5' "NN%-."*%##?' W.*' 0G1' %K-1*N1'"+'%*'%JJ\$"J\$.%01'3%#1s'%'A"3%*'N")#&' -1\$>1'%-'G")-1'G1%&LYe; 'ZG.#1'0G1'J"-.0."*'A")#&' *''0' G%>1' K11*' J1\$3%*1*05' .0' A%-' -0.#' %' H\$1%0' G"*"\$L'', &&.0."*%#?5'W%3"*H'A"31*5'0G1'-J")-1' "+'0G1'N)\$\$1*0'G1%&'p"+'0G1'G")-1G"#&qs')-)%##?' G%&' 0G1' 3"-0' %)0G"\$.0?s' -G1' G%&' I)\$.-&.N0."*' ">1\$' G")-1T11J.*H5' #%) *&\$?5' J\$">.-."*-5' 31%#-' %*&'-"31'-"N.%#'\$1#%0."*-LYef'M>1*'A"31*'AG"' A1\$1' *1>1\$' 0G1' G1%&' "+' 0G1.\$' G") -1G"#&' "\$' 0G1' A.+1'"+'0G1'G1%&'A1\$1'-0.#"\$1-J1N01&'%-'3"0G1\$-' %*&'H\$%*&3"0G1\$-'%*&'G%&'-"31'N"*0\$"#'">1\$' AG%0' G%JJ1*1&' .*' 0G1' G" 31L' /3.0G' *"01-' 0G%0' K1N%)-1'A"31*'"+01*'3%\$\$.1&'-"'3)NG'?")*H1\$' 0G%*'31*5'"+01*'AG1*'0G1'3%#1'G1%&'"+'G")-1G"#&' &.1&5' G.-' A.+15' 0G1' 3"0G1\$' "\$' H\$%*&3"0G1\$' 0"' >%\$.")-'313K1\$-'"+'0G1'G")-1G"#&5'K1N%31'A1##' \$1-J1N01&' .*' %' 3%0\$.%\$NG%#' +%-G.''*Lee' ZG.#1' A"31*' %>".&1&' 0G1' J\$1--)\$1-' %*&' &)0.1-' %--"N.%01&' A.0G' 0G1' \$"#1' "+' K1.*H' %' +% 3.#?' G1%&5' 0G1' G%\$&' A"'\$T' 0G1?' &.&' +"\$' 0G1.\$' +%3.#.1-' A%-' N\$)N.%#L''

ZG.#1' A"31*' &.&' G"#&' %' #1--1\$' J#%N1' .*' -"N.10?'0G%*'31*'0G1?'A1\$1'*"0'1*0.\$1#?'&1>%#)1&' K?'0G1.\$'+%3.#.1-L'FG1'G%\$&'A"\$T'A"31*'N")#&' %*&'&.&'&'''0'''K1*1+.0'0G1.\$'+%3.#.1-'A%-'N\$)N.%#' %*&'&.&'*"0'H"')**"0.N1&L'M>.&1*N1'+"\$'0G.-'.-' -11*'%H%.*'.*'K.\$0G'\$1H.-0\$.1-L'M>1*'0G")HG'3%#1-' G1#&' %' G.HG1\$' J#%N1' .*' -"N.10?' 0G%*' A"31*5' +%3.#.1-'-%A'0"'''3%*?'-"*-'%-'%'\$.-T'%*&'"+01*' %+01\$'G%>.*H'%'+1A'-''*-'-0%\$01&'0'''A%*0'3''\$1' &%) HG01\$-L'FG'' 3%-'/3.0G'&1-N\$.K1-'&%) HG01\$-'%-' W*"0'297(.) 4500W*"0'297(.)""

e9'/3.0G5'J%M%8%\$%W7: EL'

eD'6K.&5'77el'

e4'6K.&5'77el'

A")#&'0G1*'K1'%&"J01&'.*0"'0G1'+%3.#?'%*&'3%&1' 0G1'G1%&'"+'0G1'G")-1G"#&L^{c.}'Q%)HG01\$-'A1\$1'%' >1\$?'>.%K#1'K%NT)J'-?-013'+"\$'-1N)\$.*H'%-'G1.\$'.*' N%-1'%##'1#-1'+%.#1&L''

, #0G") HG' A" 31*' %#-"' A"\$T1&' >1\$?' G%&'.*' 0G1'+.1#&'0G1?'"+01*'&.&'#1--'JG?-.N%##?'&13%*&.*H' A"\$T'0G%*'0G1'31*L'Z" 31*'G%&'0G1'%&>%*0%H1'"+' K1.*H' %K#1'0"'1-N%J1'0G1'G%\$&'A"\$T'")0-.&15'K?' 0%T.*H' N%\$1' "+'0G1.\$' &)0.1-'.*-.&15' %' >%#)%K#1' %&>%*0%H1' &)\$.*H'0G1'G"05'G)3.&' (%J%*1-1' -) 331\$L'M>1*'A.0G' %#'0G1'&%*H1\$-'J\$1H*%*N?' %*&'NG.#&K.\$0G'A"31*'+%N1&'&)\$.*H'0G1' F"T)H%A%'J1\$."&'A"31*'%#-"'1*L'?1&'%'#''*H1\$' #.+1'1RJ1N0%*N?'0G%*'31*'%0'0G1'0.31L^{C7}''

6*'-) 35'+13%#1' F"T) H%A%' J1%-%*0-' A"\$T1&' G%\$&' %\$'') *&' 0G1' N#''NTL' 6*' %&&.0."*' 0''' 0G1' G%\$&'

]"\$' 1R%3J#15' FG1' Bc%A%' A1\$1' %' A1%#0G?' +%3.#?'"+'>.##%H1'1#.01-'.*'/G.*%*"'J\$">.*N1'.*'0G1' 1.HG011*0G'N1*0)\$?LCE'6*'+%3.#?'\$1N"\$&-'0G1?'*"01' G"A'&.++1\$1*0'+%3.#?'313K1\$-'%001*&1&'-NG""#-' 0"'-0)&?'0"J.N-'-)NG'%-'J"10\$?5' * "G'0G1%01\$5'%*&' .T1K%*%LE: 'ZG.#1'0G1-1'-T.#-'A1\$1'*''0'*1N1--%\$?' +"\$'%'>.##%H1'#1%&1\$5'0G1?'G1#&'%'&.++1\$1*0'T.*&'"+' >%#)1L'W,0'%'-?3K''#.N'#1>1#5'%1-0G10.N'J)\$-).0-' \$1J\$1-1*01&' %' +"\$3' "+' T*"A#1&H1' G.-0"\$.N%##?' %--"N.%01&'A.0G'0G1'N")\$0'%*&'-%3)\$%.'%\$.-0"N\$%N?' %*&'.*%NN1--.K#1'0'''3''-0'>.##%H1\$-L', 0'%'J\$%N0.N%#' #1>1#5'3%*?'J"#.0.N%#'%*&'K)-.*1--'N"*0%N0-'%3"*H' 1#.01-'A1\$1'+''\$H1&'AG.#1'J%\$0.N.J%0.*H'.*'N)#0)\$%#' %N0.>.0.1-L', *&'.*N\$1%-.*H#?5'0G1'A%?'0"'H%.*' %NN1--'0'''-)NG'T*''A#1&H1'%*&'-''N.%#'N.\$N#1-'A%-' 0G\$")HG' +"\$3%#' 1&)N%0."*LYE7'

7

- 7:9'6K.&'f9l' 7: D'6K.&5'f9l'
- K1%*-'%*&'\$.N1'0"'0G1'*1.HGK"\$-L'FG1'J""\$'N")#&'

0G\$")HG'%'H\$1%0'&1%#'"+'0\$")K#15'\$1S).\$.*H'G%\$&' A"\$T'.*'"\$&1\$'T11J')J'%JJ1%\$%*N1-'.*'\$1#%0."*'0"' K1.*H'A1%#0G?L'_.+1'1>1*0-'-)NG'%-'0G1'K.\$0G'''+'%' NG.#&'''\$'0G1'&1%0G'''+'%*'1#&1\$'K''0G'\$1S).\$1&'0G1' +%3,#?'0'''G%*'0G1'1>1*0'A.0G'%'N1\$0%,*'#1>1#'''+' #%>.-G*1--L', *'1R%3J#1'"+'0G.-'.-'&1-N\$.K1&'.*' **1'Z%#0G%3V-'%\$0.N#15'WFG1'_.+1'!?N#1-'"+']%\$3' Z "31*' .*' F"T)H%A%' (%J%*Y' &.-N)--.*H' 0G1' 0\$")K#1' %' A1%#0G?' +%3.#?' A1*0' 0G\$")HG' 0"' %**")*N1'0G1'K.\$0G'"+'%'K%K?'H.\$#\'W6*'0G1'N%-1'"+' A1%#0G?' +%3.#.1-5' 0G1' N1\$13"*.1-' 3%\$T.*H' 0G1' K.\$0G' "+' %' NG.#&' "+' 1.0G1\$' -1R' "\$' "+01*' 1#%K" \$%01L' FG)-5'0A"'A11T-'%+01\$'])01'A%-'K"\$*'.*'7eCD'0"' 0G1' ` "3)\$%' +%3.#?' +\$"3' [.0%NG.' J\$">.*N15' G1\$' H\$%*&J%\$1*0-'G1#&'%'K%*S)10'+"\$'79: 'J1"J#1'0"' N1#1K\$%01'G1\$'K.\$0GL'F'''%**'') *N1'0G1'K.\$0G'''+', .'.*' 7CD; 5' 0G1' /1T.H)NG.' +%3.#?' +\$"3' `%3%3)H.' A%.01&'''*#?'-1>1*'&%?-'K)0'%#-'''N1#1K\$%01&'\$%0G1\$' #%>.-G#?5'-1*&.*H'0\$%?-'N''*0%.*.*H'-%T15'J.NT#1-5' \$%&.-G1-5'3)-G\$""3-'%*&'+.-G'0"'1>1\$?"*1'.*'0G1' *1.HGK"\$G""&L', '3"*0G' #%01\$'0G1?'0""T'0G1.\$' *1AK"\$*'&%)HG01\$'0"'0G1'+%3.#?'-G\$.*15'J%.&'%'+11' "+'0A"'G) *&\$1&'?"*5'%*&'&.-0\$.K)01&'K%#-'"+'\$1&'

0G1' >.#%H1\$-5' >.#%H1' G1%&-' \$%*' 0G1' \$.-T' "+' 0G1' J1%-%*0-' \$1>"#0.*H' %H%.*-0' 0G135' %' &%*H1\$")-' J"--.K.#.0?L' B*' 0G1' "0G1\$' G%*&5' .+' 0G1?' A1\$1*W' N%\$1+)#'0G1'%)0G''\$.0.1-'N'')#&'N'' 31'&''A*'''*'0G135' %*'1S)%##?')*+%>"\$%K#1'J\$"-J1N0L'/)NG'%*'.*N.&1*0' "NN)\$\$1&'&)\$.*H'0G1'0.31'a%31G%\$)'A%-'%'>.##%H1' G1%&' .*' B*"' .*' 7C74L^{7:9}' FG1' K%T)+)' \$1S)1-01&' 0G%0'0G1'>.##%H1\$-'WN''*0\$.K)01'J''\$0%H1'N''\$>y1'0''' %--.-0'A.0G'0G1'J%--%H1'"+'%)0G"\$.0.1-'0G\$")HG'0G1' J"-0'0"A*'"+'/G."I.\$.Y'AG.NG'a%31G%\$)'J\$"3.-1&' 0"' &"' K)0' -"31' "+' 0G1' >.##%H1\$-' \$1+)-1&L^{7:D'} , #0G")HG'.0'A%-'*"0'a%31G%\$)V-'+%)#05'.0'\$1-)#01&' .*'G.-'J)*.-G31*05'K1.*H'G%\$-G#?'-N''#&1&'.*'+\$''*0' "+'%##'0G1'"0G1\$'>.##%H1\$-5'K?'0G1'K%T)+)L^{7:4}'2.##%H1' G1%&-'G%&'0'''N%\$1+)##?'A%#T'0G.-'#.*1'.*'0G1'3.&' .*'-)NG'%'A%?'0G%0'0G1?'N")#&'-0.##'%NN"3J#.-G' AG%0'0G1?'*11&1&'0"5'A.0G")0')J-100.*H'J1"J#1'"*' 1.0G1\$'-.&1L'

Z 1%#0G?' J1%-%*0-' &.&' *"0' G%>1' 0"' A"\$T' %-'

G%\$&'.*'"\$&1\$'0"'H)%\$%*011'0G1.\$'-)\$>.>%#5'0G1?' A"\$T1&'G%\$&'.*'"\$&1\$'0"'3%.*0%.*'0G1.\$'J"-.0."*'

%*&'-%?'%G1%&L'Z1%#0G?'F''T)H%A%'J1%-%*0-'A1*0'

! "#"\$%&"'(")\$*%#""+', -.%*'/0)&.1-'

G%\$&#?'%++''\$&'-)NG'1#%K''\$%01'N1#1K\$%0.''*-'+''\$'%*?' "+'0G1.\$'NG.#&\$1*LY7:: '6*'0G.-'-.0)%0."*5'0G1'` "3)\$%' +%3.#?'A%-'A"\$T.*H'>1\$?'G%\$&5'*"0'0"'1*-)\$1'0G1.\$' -)\$>.>%#5'K)0'\$%0G1\$'0"'H%.*'0G1'\$1-J1N0'"+'0G1.\$' +1##''A' >.##%H1\$-' %*&' 0''' \$10%.*' 0G1' J\$1-0.H1' 0G%0' N" 31-'+\$" 3'K1.*H'%'A1%#0G?'+%3.#?L'Q1-J.01'K1.*H' A1#""++5'0G1'*11&'0"'J)0'"*'%*'1>1*0'-)NG'%-'0G.-' A%-'%'K"0G'%'K)\$&1*'%*&'%'&\$%.*'"*'0G1'+%3.#?V-' \$1-") \$N1-L', *"0G1\$' 1R%3J#1' "+' 0G.-' *11&' 0"' &.-J#%?'-)++.N.1*0#?'A1%#0G'.-'-11*'%-'A1##'.*'0G1' %+"\$131*0."*1&'#%>.-G'+)*1\$%#'a%31G%\$)'G%&'0"'

0G\$"A'+"\$'G.-'+%0G1\$'&1-J.01'K1.*H'#"A'"*'3"*1?'

G.3-1#+L7: f' FG1' J\$1--)\$1' 0G.-' J)0' "*' A1%#0G?'

+%3.#.1-'A%-'-1>1\$1'1*")HG'0G%0'+"\$'-"31'.0'A%-'

%*'.*N1*0.>1'0"'-0"J'G%>.*H'NG.#&\$1*'.*'"\$&1\$'0"' %>".&'G%>.*H'0"'-J1*&'0G1'3"*1?'\$1S).\$1&'0"'

T11J')J'%JJ1%\$%*N1-L7: e' 'ZG.#1'0G.-'A%-' *"0' JG?-.N%##?' NG%##1*H.*H' A''\$T5' #%>.-G' N1\$13''*.1-'

-)NG'%-'0G1-1'\$1S).\$1&'G%\$&'A"\$T'0"'J#%*5'%##"0' +) *&-' +"\$' %*&' 0"' N%\$\$?' ")0' .*' %' A%?' &1131&'

%JJ\$''J\$.%01' +''\$' 0G1' A1%#0G?' +%3.#?V-' +.*%*N.%#'

-.0)%0."*L" Z G.#1' * "0'G%>. *H'0" 'A" \$T'%-'G%\$&'JG?-.N%##?5' &".*H' NG"\$1-' "*' 0G1' +%\$3' %*&' -)NG' %-' "0G1\$' J1%-%*0-5'A1%#0G?'J1%-%*0-'A''\$T1&'G%\$&'.*'"0G1\$' A%?-L' Z 1%#0G?' J1%-%*0-' -0)&?.*H' 1.0G1\$' .*' %' >.##%H1'-NG'''#'''\$'A''\$T.*H'%0'#1%\$*.*H'%*'%\$0'-)NG' %-'.T1K%*%'A''\$T1&'&.#.H1*0#?'.*'-NG'''#L'6*'%*' 1++"\$0'0"'-0%?'"*'0"J5'G.HG1\$PN#%--'J1%-%*0'+%3.#.1-' A"\$T1&'G%\$&'0%-T-'-)NG'%-'\$%.-.*H'\$1-J"*-.K#1' G1.\$-'%*&'T11J.*H')J'A.0G'\$1-J''*-.K.#.0.1-L''

''A1\$PN#%--'J1%-%*0-')*&1*.%K#?'G%&'K''0G'%' #"A1\$'-0%*&%\$&'"+'#.>.*H'%*&'&.++1\$1*0'#.+1'-0?#1' 0G%*'0G1.\$'A1%#0G.1\$'J11\$-L'FG1.\$'J">1\$0?'%++1N01&' %##'%-J1N0-'"+'0G1.\$'#.>1-'.*N#)&.*H'+""&5'G")-.*H5' N#"'0G.*H5'G1%#0G5'%*&'#1.-)\$1'0.31L'FG1?'A"\$T1&' G%\$&1\$'0"'1*-)\$1'0G1?'A")#&'G%>1'1*")HG'+""&'0"' -)\$>.>1L^{7:C'}@1N%)-1'0G1-1'J1%-%*0-'G%&'#1--'#%*&' %>%.#%K#1'+"\$'0G13'0"'+%\$3'"*5'0G1?'G%&'0"'K1'-)\$1' 0"'3%T1'1++1N0.>2(")-78(%)-78(39(#Tm41(1)-1(-26541)076

^{7: 4&#}x27;6K.&5'fDL'

AG10G1\$' 0G1?' A"\$T1&' G%\$&' %0' -)\$>.>.*H' %*&'

+\$"3' F.K10' %*&'@)\$3%' N%31' %*&' 0\$%&1&' A.0G' 6*&.%' 0G1?' J%--1&' 0G\$")HG' a%0G3%*&)' >%##1?L' FG.-'J#%N1'A%-'%'0\$%&1'\$")01'0G%0'A%-'.*'0G1'A%?' 0"'6*&.%5'F.K10'%*&'@)\$3%L'`1A%\$-'131\$H1&'+\$"3' 0G1'F.K10"P@)\$3%*'0\$%&1\$-'0G%0'K1H.*'0"'\$1-.&1'.*' a%0G3%*&)' >%##1?' %*&' %#-"' +\$"3' 6*&"P, \$?%*-' 0G%0'\$1-.&1&'.*'0G1'J#%N1'N%##1&'^%*%)0.5'AG.NG'.-' 0"'0G1'/")0G1%-0'"+'a%0G3%*&)l'@1N%)-1'"+'>1\$?' +1\$0.#1'#%*&'.*'0G1'>%##1?'0G1'J"'J)#%0."*'+#"')\$.-G1&' -#"A#?L', -'0.31'J%--1&'0G\$")HG'0G1'6*&"P, \$?%*-' %*&'0G1'F.K10"P@)\$31-1'3)-0'G%>1'N"31'%N\$"--' 1%NG'"0G1\$'+"\$3.*H'N"33)*.0?'0"H10G1\$'+"\$3.*H' %' `1A%\$' !"33)*.0?l'@)&&G.-3' K1N%31' >1\$?' &"3.*%*0' .*' a%0G3%*&)' 2%#1?' &)\$.*H' 0G1' _.NNG%>.' &?*%-0?L' Q)\$.*H' 0G1' _.NNG%>.' &?*%-0?5' 0G1\$1'A%-'*"'N%-01'-?-013'.*'a%0G3%*&)'>%#1?L' 6*'0G1'_.NNG%>.'&?*%-0?'J1"'J#1'.*'a%0G3%*&)' >%##1?'-J"T1'/%*-T\$.05'AG.NG'.-'"*1'"+'0G1'"#&1-0' #%*H)%H1-'.*'0G1'A''\$#&L'/'''A1'N%*'%--)31'0G%0' 0\$%&1' J#%?1&' %' -J1N.%#' \$''#1' .*' K\$.*H.*H' /%*-T\$.0' #%*H)%H1'0'''0G1'N.0?'''+'a%0G3%*&)'>%##1?L'/%*-T\$.0' #%*H)%H1'.-'0G1'#%*H)%H1'-J''T1*'K?'6*&.%*-'-.*N1' %*N.1*0' 0.31-' %*&' &) \$.*H' 0G1' _.NNG%>.' &?*%-0?'

X%*I)-G\$11'N%31'0'''a%0G3%*&)'%*&'&\$%.*1&'0G1' #%T1'K?'N)00.*H' "J1*'0G1'-")0G1\$*'3")*0%.*'.*' !G"K%\$'A.0G'G.-'-A"\$&L'!)00.*H'0G1'3")*0%.*' %##''A1&'0G1'>%##1?'0''K1'+"\$31&'%*&'H\$''A0G'"+' J"J)#%0.''*'.*'0G1'>%##1?L'X%*I)-G\$11'N%31'+\$"3' !G.*%L'6*'%*N.1*0'0.31-'!G.*%'A%-'T*''A*'%-' X%G%NG.*'.*'`1A%\$.L''FG1'N)00.*H'"J1*'0G1'#%T1' A%-''**1'"+'0G1'1>1*0'"*'AG.NG'0G1'N.>.#.c%0.''*' K1H%*'0'''+#'')\$.-G'#%01\$'..*'a.\$%0'&?*%-0?'"+' a%0G3%*&)L'FG1'a.\$%0'^1\$.''&'.-'-%.&'0'''K1'0G1' +.\$-0'&?*%-0?'.*'a%0G3%*&)'2%##1?L'FG1'a.\$%0.'%\$1' 0G1'J1''J#1'AG'''G%&'13.H\$%01&'+\$''3'X''*H''#.%L'

Q)\$.*H' 0G.-' 0.31' @)&&G.-3' A%-' *"0' >1\$?'

&"3.*%*0'.*'a%0G3%*&)'>%#1?'%*&'%0'0G.-'0.31'

0G1' a.\$%0.' J1"J#1' A1\$1' H\$")J1&' %NN"\$&.*H' 0"'

@)\$31-1' %*&' X"*H"#.%*' J1"J#1L' ZG1*' J1"J#1'

`1A%\$-'%\$1'-%.&'0'''K1'&1-N1*&%*0'''+'F.K10''P

N%-01-'-)NG'%-'b%.5'a.\$%0'%*&'#.3K)L''

Newars of Kathmandu Valley

*' %*N.1*0' 0.31-5' .0' .-' -%.&' 0G%0' a%0G3%*&)'

>%##1?' A%-' %' K.H' #%T1' -)\$\$")*&1&' K?' G.HG'

3") *0%.*-L', '3%*'+\$"3'!G.*%'K?'0G1'*%31'"+'

! "#"\$%&"'(")\$*%#"'+', -.%*'/0)&.1-'

6*' 0G%0' \$1H%\$&5' /%*-T\$.0' 3)-0' G%>1' N%31' +\$" 3' 6*&.%l'Q)\$.*H'0G1'_.NNG%>.'&?*%-0?5' 1A%\$-'A1\$1' N%##1&'` 1J%35'AG.NG'\$1+1\$-'0'''J1''J#1'AG'''#.>1&'.*' ` 1J%#L'6*' %*N.1*0' 0.31-' a%0G3%*&)' >%##1?'.0-1#+' A%-'T*''A*'%-'` 1J%#5'-'''J1''J#1'AG'''#.>1&'G1\$1' K1N%31'` 1J%3L'

J1"J#1'"+'a%0G3%*&)'2%##1?'%#-"'-J"T1'/%*-T\$.0L'

Rise of Buddhism in Kathmandu Valley

, 'J\$.*N1' *%31&'/.&&G%\$0G%'/G%T?%'%00%.*1&' 1*#.HG01*31*0'.*'@"&GH%?%5'6*&.%L' FG1'-%31' J\$.*N1' /.&&G%\$0G%' K1N%31' T*"A*' %-' W0G1' 1*#.HG01*1&' "*1Y' "\$' @)&&G%' K1H%*' 0"' 0\$%>1#'0'''%##'J%\$0-'''+', -.%'%*&'0%)HG0'%K'')0' -)++1\$.*H' %*&' G"A' 0"' H10' \$.&' "+' -)++1\$.*H' %*&' %00%.*'*.\$>%*%l'@)&&G.-3'K1H%*'0"'+#")\$.-G'%*&' K1N%31' >1\$?' A1#' T*"A*' .*' %#' J%\$0-' "+' , -.%L' @)&&G.-3'-J\$1%&'0"'a%G3%*&)'2%#1?'&)\$.*H' 0G1'a.\$%0'&?*%-0?L'6*'%*N.1*0'0.31-'@)&&G%'G%&' H.>1*' 01%NG.*H-' .*' 0G1' ^%#.' #%*H)%H1L' FG1' 01%NG.*H-' %*&' 01R0-' A1\$1' #%01\$' 0\$%*-#%01&' .*0''' /%*-T\$.0'#%*H)%H1'.*'` %#%*&%'3''*%-01\$?L'60'.-'%#-''')-)%##?'T*''Å*'%-'`%#%*&%'=*.>1\$-.0?'.*'/'')0G' , -.%L'/.*N1'a%0G3%*&)'A%-'>1\$?'N#''-1'0'''` %#%*&%5' 0G1' 01%NG.*H-' "+' @)&&G%' -J\$1%&' &)\$.*H' 0G1' _.NGG%>.'&?*%-0?L'X''*T-'+\$''3'` %#%*&%'0\$%>1##1&' 0"' a%0G3%*&)' >%##1?' 0"' 01%NG' `1A%\$-' %K")0' @)&&G.-3l'FG.-'A%?'@)&&G.-3'-J\$1%&'S).NT#?l'

6*'-1>1*0G'N1*0) \$?'@L! L'U) \$) '^%& 3%-% 3KG%>%' 3%&1' 2%J\$%?%*%5' %#-"' T*"A*' %-' F%*0\$%?%*%L' 2%J\$%?%*%' --' "*1' T.*&' "+' @) &&G.-3L' 6*' M*H#.-G' 2%J\$%?%*%' @) &&G.-3'.-' T*"A*'%-' &.%3"*&' A%?' @) &&G.-3L' 2%J\$%?%*%' @) &&G.-0' A%-' >1\$?'

2%I\$%NG%\$?%'J\$.1-0'3)-0'3%-01\$'0G1'%\$0'"+'F%*0\$%' K1+"\$1'K1N"3.*H'%'`1A%\$.'J\$.1-0!'FG.-'.-'0G1'\$)#1' 0G%0'.-'+"##"A1&'K?'2%I\$%NG%\$?%L'6*'%*N.1*0'0.31-' &)\$.*H'X%##%'&?*%-0?'`1A%\$-'N")#&'"*#?'H10' 01%NG.*H'0G\$")HG'@%I\$%NG%\$?%I-'K)0'0G1-1'&%?-V' 0.31'G%-'NG%*H1&L'

21\$?' +1A' ` 1A%\$-' J\$%N0.N1' 2%I\$%?%*%' "'0G1\$' 0G%*' 0G1' 2%I\$%NG%\$?%' %*&' /G%T?%-L' F.K10%*' X%-01\$-'+\$"3'F.K10'AG"'%\$1'.*'1R.#1'G%>1'\$1-.&1&' .*' a%0G3%*&)' >%#1?' %\$1' *''A' 01%NG.*H' 0G1' `1A%\$-'"+'a%0G3%*&)'2%#1?'G"A'0"'J\$%N0.N1' 2%I\$%?%*%'@)&&G.-3L''FG1'01%NG.*H'AG.NG'A1\$1' *"0'%>%.#%K#1'0"'` 1A%\$-'K1+"\$1'%\$1'*"A'%>%.#%K#1' 0"' `1A%\$-L' FG1' 01%NG.*H-' "+' U)\$)' O"H%' 8\$1313K1\$.*H' H)\$)<5' %0.?"H%' 831&.0%0."*' "+' b%.*K"A-<5'3%*&%#%'8"++1\$.*H'"+'0G.\$0?P0A"'T.*&-' "+' H\$%.*-<5' >%I\$%' H)\$)' 8^%&3%-%3KG%>%' 3%*0\$%' \$1N.0%0."*<'%*&'I%J%'?"H%'8\$1N.0%0."*'"+'3%*0\$%-<' %\$1' J\$%N0.N1&' K?' ` 1A%\$-L' FG1' F.K10%*' J\$%N0.N1' %#-"' N%31' +\$"3' 0G1' 6*&.%*' -")\$N1' 1-J1N.%##?' `%#%*&%' =*.>1\$-.0?' %*&' -''' &.&' F%*0\$%?%*%' J\$%N0.-1&' K?' ` 1A%\$.' J\$.1-0-L' 6*' 0G.-' -1*-1' .0' .-' -%31'@)&&G.-0'F%*0\$%?%*%'01%NG.*H'0G%0V-'K11*' 0\$%>1#.*H'+\$"3'6*&.%'0"'F.K10'%*&'*"A'F.K10'0"' a%0G3%*&)'>%##1?l'

Decline of Buddhism

Z G1*'0G1'X%##%'Q?*%-0?'\$1J#%N1&'0G1'_.NNG%>.' Q?*%-0?5'.0'%##'NG%*H1&L'Q)\$.*H'0G1'X%##%'Q?*%-0?5' 0G1'N%-01'-?-013'A%-'.*0\$''&)N1&'+''\$'0G1'+.\$-0'0.31' .*'a%0G3%*&)'2%##1?L'FG1'N%-01'-?-013'A%-'.*'0G1' G1%\$0' ''+'6*&.%' %0' 0G.-' 0.31L' FG1' X%##%' Q?*%-0?' &1N.&1&'0'''.*0\$''&)N1'0G1'-%31'.&1%'.*'a%0G3%*&)'

FG1' ''0G1\$' N%-01-' #.T1' (''-G.5' X%##%5' /G\$1-0G%5' ^\$%&G%*5', 3%0?%'%*&'b%IKG%*&%\$.'%\$1'N''*-.&1\$1&' %-' 0G1' a-G%0\$.?%' N#%--L' 60' .-' -%.&' 0G%0' 0G1' a%\$3%NG%\$?%5' X%##%' %*&' (''-G.' %\$1' 0G1'

, #0G")HG'@)&&G.-3'&"1-'*"0'0%#T'%K")0'0G1' N%-01'-?-013'K1N%)-1'"+'0G1'+%N0'0G%0'0G1'X%##%' T.*H'G%&'.*0\$"&)N1&'0G1'N%-01'-?-013'&)\$.*H' X%##%'J1\$."&5'0G1-1'@)&&G.-0'J\$.1-0'K1#.1>1'.*' 0G1'N%-01'-?-013L'FG1'`1A%\$.'J\$.1-0'N#%--'A%-' N%##1&'0G1'@%I\$%NG%\$?%'"\$'U)KG%I)L'FG1-1'`1A%\$.' J\$.1-0-'%\$1'3"-0#?'1&)N%01&5'1-J1N.%##?'31*L' Z "31*'%\$1'*"0'%-'1&)N%01&L'6*'0G1'&1%0G'\$.0)%#-' %*&'.*'"0G1\$'\$.0)%#-5'0G1?'J1\$+"\$3'@)&&G.-0' "++1\$.*H-'0G%0'%\$1'\$1#%01&'0"'2%I\$%?%*%'@)&&G.-3L' FG1-1'@%I\$%NG%\$?%-'%\$1'*"0'3"*T-L'FG1?'H10' 3%\$\$.1&'%-'%'#%?J1\$-"*5'K)0'0G1?'A"\$T'%-'J\$.1-0-' +"\$'0G1'1*0\$1'`1A%\$-'"+'a%0G3%*&)'2%##12!"

A''\$&-5'@%I\$%NG%\$?%-'N'')#&'%#-'''K1'\$1+1\$\$1&'0'''%-' @)&&G.-0'@\$%G3.*-L''

-)\$J#)-'"+'H\$%.*-'%\$1'-"#&L'FG1'*11&1&'%3")*0'"+' H\$%.*-'%\$1'T1J0'.*'0G1'H)0G.L'FG1'"++1\$.*H-'0"'0G1' a%\$)*%3%?%'%#-"'H"'0"'0G1'H)0G.5'AG.NG'G1#J-'.0-' H)0G.'313K1\$-L''

$$\begin{split} & \mbox{FG1'a\%} *\% 3\%?\%' H) 0G.' 31 3K1 $-'0\%T1'0) $*-'.*' \\ & \mbox{#'''T.*H' \%+01$' 0G1' !) \#0' ''+' a\%$) *\% 3\%?\%' 0'''.*-) $1' \\ & \mbox{J} J$''01N0.''*' \%* & '05\% & .0.''*\% \#' >\% #) 1-' ''+' 0G1' 01 3 J \#11' \\ & \mbox{NN''} & \mbox{A''} & \mbox{A''} & \mbox{S'} WFG1?'' K-1$>1' #.*1\%H1' Q1.0?' \\ & \mbox{A''} & \mbox{-} G.J'.*'-.*H \#1' +\% 3. \#.1-' ''$' H$'') J-' ''+' 0A''' '$' \\ & \mbox{OG$11'} >1$?' N#''-1&' $1 \#\%01&' ''*1-' 89DE<IY' 'FG1' \\ & \mbox{+} *3. \#.1-' ''+' 0G1' a\%$) *\% 3\%?\%' H) 0G.' 0\%T1' 0) $*-'.*' \\ & \mbox{#''''T.*H'\%+01$' 0G1'N) <math>\mbox{#} 0G1''' \#3. \#?' \#1\%>15?'?1\%$' \\ & \mbox{OG1'''} A'+\% 3. \#?'N'' 31-5'\% & '0G1''' \#4' +\% 3. \#?' \#1\%>1-I' \\ & \mbox{+} 6A'' 0G1$1' \%$1' *''' $) \%$$1#-' \%3'' *H' 0G1' \\ & \mbox{313K1}-I' M>1$?' $313K1$'.-' H.>1*' 0G1' & \%01'' '+' \\ & \mbox{JJ''.*} 031*0' \%* & 'AG1*'0''' \#1\%>11'FG1'$''0\%0.''*'.-' \\ & \mbox{+} A''' 0''' 3\%T1'-)$1'1>1$?'' *1'H10-'G.-'''$'G1$'-G\%$1'' \\ & \mbox{*} & \mbox{J}''' -J1$.0?I''' \\ & \mbox{} & \mbo$$

["A1>1\$' 0G1\$1' %\$1' -"31' \$)#1-' %--"N.%01&' A.0G'#.*1%H1'H)0G.-L'6+'%'J1\$-"*'&.1-'.*'0G1'+%3.#?' AG.#1'-1\$>.*H'0G1'!)#0'"+'T%\$)*%3%?%5'0G1'+%3.#?'

Food

B*1'"+'0G1'3"-0'1--1*0.%#'N"3J"*1*0-'"+'0G1' `1A%\$'.-'0G1.\$'+""&l'`1A%\$.'+""&'.-'N"*-.&1\$1&'%-' "*1'"+'0G1'3"-0'&1#.N.")-'N).-.*1-'.*', -.%l'X%*?' T.*&-'"+'"&'%\$1'+")*&'.*'`1A%\$.'N)#0)\$1l'@1%01*' \$.N1'"\$'@%l.'.-'>1\$?'&1#.N.")-l'`1A%\$-')-1'K1%01*' \$.N15'AG.NG'.-'%#-"'T*"A*'%-']#%001*1&'\$.N1'.*'0G1'

0G1' +#'' ''\$' %*&' 0G1?' J\$''K%K#?' & .&' *''0' G%>1' K1&-l' FG1'G1%&' ''+'0G1'+%3.#?'.-'3"-0'#.T1#?'%' 3%*' AG''' A%-'%#-''T*''A*'%-'FG%T%#.l'FG1'G1%&'''+'0G1'+%3.#?' N%*'K1'1#&1-0'-''*'.+'%*&'''*#?'G.-'+%0G1\$'G%-'J%--1&' %A%?l' [''A1>1\$5' %+01\$' 0G1' +%0G1\$'.-' &1%&' 0G1\$1' 3.HG0'K1'J\$''K#13'\$1H%\$&.*H''*1'J1\$-''*'A''\$T.*H' 0''''3)NG'.*'+.1#&' %*&' %*''0G1\$' *''0' A''\$T.*H' G%\$&l' 6*' 3%*?' N%-1' 0G1\$1'.-' .3K%#%*N1'.*' 0G1' +%3.#?' %+01\$' 0G1' +%0G1\$' G%&' J%--1&' %A%?l' '6*' %*N.1*0'0.31-'%'G'')-1G''#&'N'')#&'K1'>1\$?'#%\$H15')J' 0'''0A1#>1'313K1\$-'J1\$'+%3.#?l''

Q.++1\$1*0' T.*&' "+' I"K-' A%-' J1\$+"\$31&' .*' `1A%\$.' G")-1G"#&-' K?' &.++1\$1*0' 313K1\$-l' , NN"\$&.*H'0"'_"A&.*5'W`1A%\$-'%\$1'+")*&'.*'%##'

U%.'(%0\$%'.-'T*"A*'%-'N"A'J\$"N1--."*'"\$'/.' ^%\$)'.*'`1A%\$.'#%*H)%H1L''^1"J#1'"+'a%0G3%*&)' 2%##1?'K1#.1>1'0G%0'''*'0G.-'&%?'''+'U%.'(%0\$%5'AG.NG' .-'N1#1K1\$%01&'.*'1*&'"+'/1J013K1\$L'60'.-'-%.&'0G%0' 0G1'&""\$-"+'G1%>1*""J1*-'+"\$'%##'0G%0'G%>1'&.1&'.*' 0G.-'?1%\$L'! "A'J\$"N1--."*'.-'&"*1'K?'1>1\$?'+%3.#?' AG''' #">1-' "J1*-' G%>1' J%--1&' %A%?L' 6*' 0G.-' +1-0.>%#'0G1'\$1%#'N''A'.-'*''0'-1*0'0'''>.-.0'0G1'>%##1?q' .*-01%&' 0G1' ?")*H' K"?-' %*&' ?")*H' 31*' %\$1' &1N"\$%01&'%-'N"A-'A.0G'+)**?'G%0-'3%&1'+\$"3' K%3K""' -0.NT-'%\$1' 3%&1'0"' >.-.0'0G1'N.0?L' = J"*' >.-.0.*H'J1"J#1V-'G"31-'0G1?'%\$1'"++1\$1&'K\$1%&-5' H\$%.*-'%*&'3"*1?L'B*'0G.-'&%?5'%##'0G1'+%3.#?'AG''' G%>1'#"-0'0G1.\$'#">1&'"*1-'3%T1'&"*%0."*'.*'0G1' *%31'"+'0G1.\$'#">1&'"*1V-'0"'%##'0G1'?")*H'K"?-' %*&'?")*H'31*'AG"'%\$1'&1N"\$%01&'%-'N"A-L''

FG1'-"#1'J)\$J"-1'"+'0G.-'U%.'(%0\$%'.-'0"'3%T1' J1"J#1'#%)HG'-.*N1'3%*?'+%3.#.1-'G%>1'#"-0'0G1.\$' #">1&' "*1-L' 6*' - "31' "0G1\$' J%\$0-' "+' >%##1?' #.T1' a.\$0.J)\$5'J%\$%&1'0%T1-'J#%N1'A.0G'3%-T1&'J1"J#1' AG"'&%*N1'%#"*H'0G1'\$"%&L', -'&\$)3'K1%0-5'J1"J#1' -0%\$0'0'''&%*N1'.*'0\$%&.0.''*%#'A%?'''+'&%*N.*H'-0?#1-' %*&'T11J'H''.*H'''*')*0.#'0G1'&%\$TL'U%.'(%0\$%'N%*'K1' 1RJ#%.*1&'%-'[%##"A1*'.*'0G1'A1-0'A.0G'&.++1\$1*0' 3%-T-'K)0'G%-'%'#''0'''+'N)#0)\$%#'>%#)1'.*'.0L'6*'0G.-' +1-0.>%#'%##'0G1'\$1#%0.>1-'%\$1'N%##1&')J''*'+''\$'+1%-0' K)0'0G"-1'+%3.#.1-'AG"'G%>1'#"-0'0G1.\$'#">1&'"*1-' &"' * "0' N1#1K\$%01' (%.' (%0\$%L' , * "0G1\$' +1-0.>%#' .-' X"0G1\$V-'&%?L'6*'` 1A%\$.'-"N.10?5'3"0G1\$V-'&%?'.-'%' >1\$?' .3J''\$0%*0' +1-0.>%#L' 6*' 0G.-' &%?' %#L' 0G1' NG.#&\$1*'H.>1'H.+0'0"'0G1.\$'3"0G1\$-L'Z"31*'AG"' %\$1' %#\$1%&?' 3%\$\$.1&' H''' K%NT' 0''' 0G1.\$' 3''0G1\$V-' G")-1'A.0G'&.++1\$1*0'+""&'.013-L'FG.-'+1-0.>%#'G%-' K11*'N1#1K\$%01&'-.*N1'X%##%'&?*%-0?L'

Architecture

`1A%\$' N)#0)\$1' .-' >1\$?' \$.NG' .*' %\$NG.01N0)\$1L'

Nationalist Archaeologies of Korea and Applying Multivocal Interpretations

! "#"\$%&"'(")\$*%#'"+', -.%*'/0)&.1-

-0%H*%0."*'"+'a"\$1%*'N)#0)\$1-L"

*.*1011*0GP

J%-0'0'''I)-0.+?'N''#''*.c%0."*'%*&'J\$''>1'-)K-1\$>.1*N1' 0''''0G1\$''*%0."*-L'[?)*H'6#'^%.'J".*0-'")0'+")\$' \$1-1%\$NG'0G131-'0G%0'A1\$1'13JG%-.c1&'K?'0G1' (%J%*1-1'&)\$.*H'0G.-'0.31\'87<'0G1'N"33"*' %*N1-0\$%#'"\$.H.*-'"+'0G1'a"\$1%*'%*&'(%J%*1-1' J1"J#1g'89<'0G1'1R.-01*N1'"+'(%J%*1-1'N"#"*.1-'"*' 0G1'a"\$1%*'J1*.*-)#%'.*'0G1'J%-0g'8D<'0G1' ">1\$AG1#3.*H'.3J%N0'"+'!G.*1-1'N)#0)\$1-'"*'0G1' a"\$1%*'J1*.*-)#%q'%*&'84<'0G1'K%NTA%\$&*1--'%*&'

FG1'&%0%'0G%0'(%J%*1-1'N"#"*.%#'%\$NG%1"#"H.-0-' N"##1N01&'A1\$1'-1#1N0.>1#?')-1&'0"'\$1N"*-0\$)N0'0G1' 1>"#)0."*'"+'a"\$1%7%'FG1?'.*01\$J\$101&'0G1'"\$.H.*-' "+'a"\$1%'%*&'(%J%*'AG.#1'G"#&.*H'"*'0"'0G1'

1

1>1*' #%*&1&'.*' 0G1' 3.&' "+' "*H".*H' -.01-'>.%' 3.#.0%\$?'G1#.N"J01\$5'J\$"I1N0.*H'G.3-1#+'%-'%'-0\$"*H' 3.#.0%\$?' #1%&1\$5' A.0G' *'''I'')\$*%#.-0-' 3.--.*H' 0G1' JG''0''''J'-.*N1'0G1?'A1\$1'.*+"\$31&'K1+"\$1G%*&L'[1' "\$&1\$1&'0G1'\$1-0"\$%0."*''+'%*N.1*0'-.01-5'-)NG'%-' 0G''-1' "+' 0G1' %*N.1*0' /.##%' a.*H&"35' %*&' K).#0' *%0."*%#'3.#.0%\$?'3"*)31*0-'0'''-)NN1-+)#'+%3")-' a"\$1%*-5'-)NG'%-', &3.\$%#' 0.'/)*P-G.*5' AG''' #1&' a"\$1%*'*%>%#'+"\$N1-'0'''>.N0"\$?'%H%.*-0'(%J%*1-1' N")*01\$J%\$0-'.*'7; E95%*&'%H%.*'.*'7; EC7CL'

FG1' a/XaU' A%-' \$1*%31&' 0G1' X.*.-0\$?' "+' !)#0)\$%#'[1\$.0%H1', &3.*.-0\$%0."*'8![, <'.*'7EECl'60' A"\$T-'N#"-1#?'A.0G'0G1'`%0."*%#'X)-1)3'"+'a"\$1%' %*&'0G1'`%0."*%#']"#T'X)-1)35'%*&'">1\$-11-'%##'"+' 0G1'G.-0"\$.N%#'-.01-'%\$")*&'/")0G'a"\$1%l'Z.0G'0G1' 1%-.*H' "+' %)0G"\$.0%\$.%*' H">1\$*31*0' %*&' 0G1' K1#%01&'%\$\$.>%#'"+'%'&13"N\$%0.N'H">1\$*31*0'.*'0G1' #%01'7EE: -5'&1K%01-'G%>1'K11*'''J1*#?'A%H1&'''*#.*1' %K")0'G.-0"\$.N%#'-.01-')*0.#'0"&%?L''

 $\begin{array}{l} Q.++1\$1*0'>1\$-."*-'"+'0G1'-\%31'G.-0"\$?'131\$H1\&'\\ AG1*'a"\$1\%*-'0""T'0G1'G1#3'\%+01\$'\%NG.1>.*H'\\.*&1J1*&1*N1'.*'7E4; l'6*'\%*'1++"$0'0"'1-0%K#.-G'*\%0."*\%#'.&1*0.0?'\%*&'"K#.01$\%01'(\%J\%*1-1'N"#''*.\%#'$ $.*+#)1*N15'/")0G'a"$1%'"J1$\%01&')*&1$'0G1'\\.&1"#"H?'"+'0G1';.*X'M'0)68\%1*H-%'8$%N.%#'-0$)HH#1<7E5'AG.NG'6'A.##'H'''.*0'''#\%01$'.*'0G1'$ Q.-N)--."*'-1N0."*l'@%-.N%##?5'0G1'0)68%1*H-%'A%-'%'3"0.>%0."*'0"'J\$1-1\$>1'a"\$1%*'.&1*0.0?'%*&'N)#0)\$1'+\$"3'.*>%&.*H'%\$3.1-9:l'

Archaeology in North Korea

6*' `"\$0G' a"\$1%5' %\$NG%1"#"H.N%#' -0)&?' A%-' .3J#131*01&'1RJ#.N.0#?'A.0G'J"#.0.N%#'H"%#-'.*'3.*&L' b.HG0'%+01\$'#.K1\$%0."*'.*'7E4;5'3%*?'-NG"#%\$-'.*'0G1' /")0G'3.H\$%01&'0"'0G1'`"\$0GL'FG1.\$'1%\$#?'\$1-1%\$NG' A%-' K%-1&' "*' A\$.001*' (%J%*1-1' N"#''*.%#' %\$NG%1"#"H?'A"\$T-' %#"*15' K)0' %*' %\$NG%1"#"H.N%#' -?-013'A%-'K1.*H'K).#0'.*'0G1'7E4:-'%*&'7E;:-l' FG1\$1'A1\$1'%JJ\$"R.3%01#?'0A1*0?'%\$NG%1"#"H.-0-' .*'`"\$0G'a"\$1%'&)\$.*H'0G1'7E;:-'%*&'7Ef:-'A.0G' 3"-0'"+'0G13'*"0'G%>.*H'%*?'1RJ1\$.1*N1'%0'%##97l' /.3.#%\$'0"'/")0G'a"\$1%5'-"31'"+'0G1'-NG"#%\$#?'A"\$T' A%-'&"*1'0"'N")*01\$%N0'(%J%*1-1'N"#''*.%#' %\$NG%1"#"H.-0-V'.3J1\$.%#'&.-0"\$0."*'"+'a"\$1%*' G.-0"\$?l'

^{7C'}a?) *H'X''' *'[A%*H5', 'K.-0''\$B'''+'c''\$1%<', *'2E.-''&.6' J%\$\$%0.A1'8` 1A'O''\$T\'^%#H\$%>1'X%N3.##%*5'9: 7: <5'a.*' M#1N0\$''*.N'M&.0.''*5'C: PCDL'

⁷E'[?)*H'6#'^%.5'!"*-0\$)60.*H'hc"\$1%*i'5\$.H.*-<', '!\$.0.6%#'
F1A.1G'''+',\$68%1''#''HBWK.-0''\$.''H\$%E8BW%*&'F%6.%#'; B08'
.*'c''\$1%*'/0%014N''\$?%0.''*'=81''\$.1-'8!%3K\$.&H15'X,'%*&'
_''*&''*\'[%\$>%\$&'=*.>1\$-.0?', -.%'!1*01\$5'9:::<5'7Del'
9''[?)*H'6#'^%.5'K1\$.0%H1'; %*%H1?1*0'.*'c''\$1%'%*&'
(%E%*<'=81':''#.0.6-''+',*0.e).0B'd'L&1*0.0B'8/1%00#1'%*&'
_''*&''*\'=*.>1\$-.0?''+'Z%-G.*H0''*'^\$1--5'9:7D<5'a.*'
M#1N0\$''*.N'M&.0.''*\'!G%J01\$'75'_'N%0.''*'CFE'''+'F7:el''</pre>

8! "33.0011'"*'0G1'-0)&?'"+'a"\$1%*'%*0.S).0.1-<l'6*' 7E775' F"\$..' b?)c"' G?J"0G1-.c1&' 0G1' #"N%0."*' "+' ^?"*H?%*H'+"\$'0G1'N"33%*&1\$?'&)1'0"'G.-'+.*&.*H-' .*'!G.*%'*1%\$'0G1' *"\$0G1%-01\$*' K"\$&1\$' 0[°])68%1*H-%

/")0G' a"\$1%*' G.-0"\$.%*-' K1H%*' >.1A.*H' 0G1' _1#%*H'N"33%*&1\$?'.*'%'*%0."*%#.-0.N'#.HG0'K1N%)-1' "+' 0G1.\$' J"#.0.N%#' 3"0.>%0."*-5' "\$5' 0G1' ?.*X''M'

+\$"3'%K\$"%&'%*&'+%T.*H'.*-N\$.J0."*-5'3%\$T.*H'0G1' K1H.**.*H'"+'0G1'&1K%01Del', -'6'-0%01&'K1+"\$15'0G1\$1' A1\$1'3"\$1'0G%*'95f::'0"3K-'+")*&'%0'0G1'_1#%*H' -.015'K)0'0G1\$1'A1\$1'*"'N"3J\$1G1*-.>1'J)K#.-G1&' \$1J"\$0-L', NN"\$&.*H'0"'` "\$0G'a"\$1%*'%\$NG%1"#"H.-0-V .*01\$J\$10%0."*-'"+'0G1-1'+.*&-5'.0'.-'J\$">1*'K1?"*&'%' &")K0' 0G%0' _1#%*H' A%-' %N0)%##?' %*' .*&1J1*&1*0' -0%01' "+' B#&' ! G"-"*L' FG.-' 0G1"\$?' \$1+)01-' /")0G' a"\$1%*'%*&'(%J%*1-1'-NG"#%\$-V.*01\$J\$10%0."*-'0G%0' 0G1' \$13%.*-' +") *&' %0' ^?" *H?%*H' %\$1' 0G"-1' "+' _1#%*H'!"33%*&1\$?L', NN"\$&.*H'0"'X%\$T'@?.*H0"*' %*&'O")*HNG%*'BG5'` "\$0G' a"\$1%*'-NG"#%\$-' %\$1' \$111N0.*H' *"0' "*#?' /")0G' a"\$1%*' %*&' (%J%*1-1' %NG.1>131*0-5' K)0' 0G1.\$' "A*' 0G%0' 0G1?' %NN"3J#.-G1&'K1+"\$1'0G1'7EE: -DCL'Z.0G")0'N"*N\$101' &%0%5'.0'.-'#1+0'0'''%'&1K%01'A.0G'*'''0\$)1'-''#)0.''*L']''\$' ` "\$0G' a"\$1%*' %\$NG%1"#"H.-0-' #.>.*H' .*' %' N#"-1&' *%0."*5' 0G1\$1' .-' *"' A%?' 0"' N\$.0.N%#?' &1K%01' 0G1' 1>.&1*N1'%*&'1R.-01*N1'"+'_1#%*H'A.0G")0'J"#.0.N%#' N"*-1S)1*N1-L'

= *&1\$' `, U^b, 5' 1-0%K#.-G1&' .*' 7EE:5' %\$NG%1''#''H.-0-'3)-0'\$1J%0\$.%01'%*?'G)3%*'\$13%.*-'

3%01\$.%#' \$13%.*-5' AG.NG' .-' 3.-#1%&.*H' %*&' .*%NN)\$%01: DL'FG1'*%0.''*%#.-0.N'J1\$-J1N0.>1'.-'0G%0''+' J\$1-1\$>.*H'0G1'a''\$1%*'\$%N1'%*&'T11J.*H'.0'J)\$1' 0G\$'')HG'')0'+.>1'0G'')-%*&'?1%\$-g'G''A1>1\$5'0G.-' .&1%#'.-')*\$1%#.-0.N'AG1*''*1'1R%3.*1-'0G1.\$' G.-0''\$?''+'N''*S)1-0-5'.*N#)&.*H'0G1'X''*H''#' 6*>%-.''*'%*&'0G1'(%J%*1-1''NN)J%0.''*L'6*'+)0)\$15' a''\$1%*'%\$NG%1''#''H.-0-'%*&'%*?''0G1\$'AG''G1#J' A.0G'1RN%>%0.''*-'%*&'.*01\$J\$10%0.''*-'3)-0'%NN1J0' 0G.-'+%N0'%*&'T11J'.0'.*'3.*&L'

, NN"\$&.*H'0"'["&&1\$5'3.-)-1'"+'0G1'J%-0'*11&-' 0"'K1'1>%#)%01&'-"N.%##?'%*&'10G.N%##?L'[1'%#-"' %\$H)1-'0G%0'%'N"3J#101#?'"K11N0.>1'-0)&?'"+' %\$NG%1"#"H?'.-'*"0'H".*H'0"'J\$"01N0'.0'+\$"3' 3.-)-1:4L'/N.1*0.+.N'"K11N0.>.0?'.-'*"0'1*")HG'0"' N\$1%01'%\$NG%1"#"H.1-'0G%0'%>".&'K.%-L'X)#0.J#1' >".N1-'"+'&.++1\$1*0'K%NTH\$")*&-'1#.N.0'&.++1\$1*0' 6'A.##'%#-'''J''.*0''')0'0G%0'0G'')HG'0G1', 31\$.N%*' /'')0GA1-0'%*&''0G1\$'%\$1%-'3%?'?.1#&'&.++1\$1*0' 310G''&-'%*&'G1#J')-')*&1\$-0%*&'J#%N1-'-)NG'%-' a''\$1%5'0G1'N%-1'''+'0G1'_1#%*H'N''33%*&1\$?'N%*'K1' 3''\$1'N''3J#.N%01&L'FG1', 31\$.N%*'/'')0GA1-0'N%*'K1' H'''3J#.N%01&L'FG1', 31\$.N%*'/'')0GA1-0'N%*'K1' *''3J#.N%01&L'FG1', 31\$.N%*'/'')0GA1-0'N%*'K1' *''3J#.N%01&L'FG1', 31\$.N%*'/'')0GA1-0'N%*'K1' *''3J#.N%01&L'FG1', 31\$.N%*'/'')0GA1-0'N%*'K1' *''3J#.N%01&L'FG1', 31\$.N%*'/'')0GA1-0'N%*'K1' *''3J#.N%01&L'FG1', 31\$.N%*'/'')0GA1-0'N%*'K1' *'''3J#.N%01&L'FG1', 31\$.N%*'/'')0GA1-0'N%*'K1' *'''3J#.N%01&L'FG1', 31\$.N%*'/'')0G'3''\$1'>1'''3%*''' *'''3NK*'-0%01'K''\$&1\$-L'X)#0.>''N%#.0?'N%*'G1#J'.*'' 1-0%K#.-G.*H' +%.\$' .*01\$J\$10%0.''*-' .*' a''\$1%''' *'''\$NG%1''#''H?5%*&'J1\$G%J-'0G.-'.-'0G1'K1-0'%\$1%'0''' 01-0'0G%0'0G1'\$?L'60'A.##'*'0'K1'J''--.K#1'.*'` ''\$0G' a''\$1%''

u yı ı

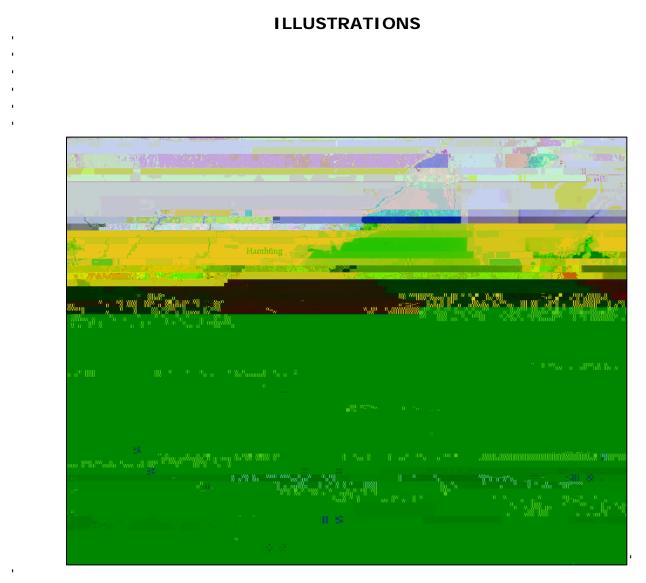
Conclusion

FG1'a"\$1%*'J1*.*-)#%'G%-'K11*'%'N"*01*0.")-' %\$1%' .*' AG.NG' %\$NG%1"#"H?5' %*&' 1-J1N.%##?' *%0."*%#.-0'%\$NG%1"#"H?5' G%-'J#%?1&'%'K.H'J%\$0'.*' K).#&.*H' %*&' \$1N%J0)\$.*H' *%0."*%#' .&1*0.0?' %*&' J\$.&1L', \$NG%1"#"H.N%#'+.*&-'.*'a"\$1%'A1\$1'1RJ#".01&' K?' (%J%*' 0"' I)-0.+?' N"#"*.c%0."*5' %*&' a"\$1%*' J"-0A%\$' *%0."*%#.-0' G.-0"\$.%*-' %0013J01&' 0"' \$13">1'N"#"*.%#'.*01\$J\$10%0."*-'.*'+%>"\$'"+'*%0."*%#' J\$.&1L'

6'%\$H)1&'0G%0'.*'K''0G'`"\$0G'%*&'/")0G'a"\$1%5 G.-0"\$.%*-'G%>1'3%*.J)#%01&'.*01\$J\$10%0."*-'"+' %\$NG%1"#"H.N%#'+.*&.*H-'%NN"\$&.*H'0"'J"#.0.N%#'%*&' *%0."*%#.-0.N'H"%#-'.*'"JJ"-.0."*'0"'N"#"*.%#' .*01\$J\$10%0."*-'"+'0G1'J%-0L'6')-1&'_1#%*H' N"33%*&1\$?'%-'%'N%-1'-0)&?'0"'.##)-0\$%01'0G1' &1K%01-'-)\$\$")*&.*H'0G1'-.01L'60'.-'%#-''N"*01*0.")-' .*'0G%0'.0'.-'#''N%01&'.*'0G1'^?"*H?%*H'%\$1%'"+'`"\$0G' a"\$1%5'-"'0G%0'"#&'&%0%'N"#1N0."*'.-'%##'0G%0' %\$NG%1"#"H.-0-'G%>1'0"'A"\$T'+\$"3'%*&'`"\$0G'a"\$1%' .-')NG'%'&.++.N)#0'N")*0\$?'0"'>.-0L''

F"'-)JJ"\$0' 3?'-"#)0."*'0"'-)NG'N"*0\$%-0.*H' >.1A-'"+'N1\$0%.*'-.01-'.*'a"\$1%5'6')-1&'1R%3J#1-' +\$"3'0G1', 31\$.N%*'/")0GA1-0'%*&'.0-'"A*'.--)1-' A.0G' %\$NG%1"#"H?L'6'.*0\$"&)N1&'N1\$0%.*'%N0-'0G%0' A1\$1'3%&1'.*'-)JJ"\$0'"+'#"N%#'J1"J#1-5'-)NG'%-' `,U^b,5%*&'0G1'A%?'/")0GA1-01\$*'%\$NG%1"#"H.-0-' .*N#)&1'0G1'>".N1-'"+'0\$.K1-'%\$")*&'0G13L'6*' .*N#)&.*H'0G1'#"N%#'J1"J#15'-NG"#%\$-'%>".&'N"*+#.N0' K?'N\$1%0.*H'%'%03"-JG1\$1'"+'3)0)%#'\$1-J1N0'AG.#1' 13J#"?.*H'3)#0.>"N%#'%JJ\$"%NG1-'0"'%>".&'K.%-1&' %*&'.*N"\$\$1N0'.*01\$J\$10%0."*-L' 2"#)31'D5'6--)1'7'8/)331\$'9:74<'

6' %\$H)1&' +''\$' %' 3)#0.>''N%#' %JJ\$''%NG' 0''' %\$NG%1''#''H?'.*'K''0G'a''\$1%-'.*'''\$&1\$'0''+.*&'%'+%.\$' .*01\$J\$10%0.''*' ''+' 0G1' J%-0' 0G%0' .-' *1.0G1\$' *%0.''*%#.-0.N' *''\$' N''#''*.%#L'60' .-' 3?' G''J1' 0G%0' .*' +)0)\$15'a''\$1%*'%\$NG%1''#''H.-0-'N%*'-0)&?'0G1.\$'J%-0' A.0G'%'K%#%*N1'0G%0'.*N#)&1-'J%-0'%*&'N)\$\$1*0'&%0%' %-' A1##' %-' 3''\$1' A''\$T' 0G%0'.-' *''0' 3%\$\$1&' K?' *%0.''*%#.-0.N''\$'J''#.0.N%#'H''%#-L'F'''%NG.1>1'0G.-5'0G1?' -G'')#&' .*N#)&1' 3''\$1' -NG''#%\$-' ''+' &.++1\$1*0'



].HĽ7'

6*P-1)*H'()*H5WFG1'X%01\$.%#'!)#0)\$1'''+'_1#%*H'!"33%*&1\$?5Y'.*'=81'K%*'!"??%*&1\$.1-'.*'2%\$#B'c''\$1%*' K.-0''\$B5'1&L'X%\$T'ML'@?.*H0''*'8!%3K\$.&H1\'^\$1-.&1*0'%*&']1#"'A-'''+'[%\$>%\$&'!"#1H15'9:7D<5'747L'

[?)*H'6#'^%.5'

].HĽ4'

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REFERENCES

- @\$)N1'UL'F\$.HH1\$5', \$0.+%60-'d'L&1%-<'2--%B-'.*' ,\$68%1''#''HBL' 1A'@\$)*-A.NT\'F\$%*-%N0.''*' ^)K#.-G1\$-5'9::DL'
- W["J.']""0J\$.*0-'_.*T.*H'^%-0'%*&' ^\$1-1*0IY'

