



D0&  
" @ +A'B\$2\$'2!12\$3&)/\$-4  
(,\$+&!#')!C)&9\*)\*-\$'2!#!  
D0&/&/!\*2+!A\$//&)-\*-\$'2/!

"#\$%&\$'(!)(\*!&+,-.\*!/(+0!1(02!\*(!"0(3+\$&\* !.4!.\*!.&!%!5%6&\*(!)\$!60(7\$5  
%!-%&\*\$08&!(!'(5\*(0%#!6%6\$0!%)!)(\*!%)!(44.5.%#!\*9\$&.&!(!'.&&\$0\*%\*.):  
;\$)!.\*!.)&\*\$%!\*(!<%0\$)!=%+>9% 2@%+>9%)A('+\$'+B4(0!.)5#+&.(!.)!  
\*9\$!CDE!D.>.\*%#!F(--)&!F()\*%5\*!/(+0!G"D1.\*9!H+\$&\*.(!)&!

Š ‡ " f † — f — ‡ ...  
"##\$%&!#!-0&!12\$3&)/\$-4!5&6\$(-)\*!  
12\$3&)/\$-4!7\$8)\*\$&/!

---

7\*/-!19+\*-&+!;!;\*4 !<=>?!  
7\*/-!19+\*-&+!;!;\*4 !<=>?!

D\*8@&!#!E'2-&2-!/

GIJKLM!NJOCKPLQNCJ

N)\*0('+5\*.) !:.....R  
"0\$&\$)\*%\*.)(4!P%\*\$0!%#.....R  
;\*/#\$!.....R  
"+,#.5%\*)(4!K\$&\$%059.....Q  
E&\$!(4!P%\*\$0.%#!O0(-!C\*9\$0!;+05\$&.....Q  
F(6/0.>9\*!.....Q

"KCFIDEKI; !

;+,-.&&.)(4! Q9\$&\$&!(0!D.&&\$0\*%\*.):&.....T  
U+-%)!;+,7\$5\*!K\$&\$%059!K\$&\$%059!N)@(#@.)>!L).9%#W%0'(+&!F9\$-.5%#&V  
X.(9%W%0'(+8%\*\$0.%#&V!K%'.(%5\*.\$!P%\*\$0.%#&.....Y

!

! L,&\*0%5\*.....:SS  
! F(6/0.>9\*!.....:ST!  
! D\$.5%\*.!)!.....:S!  
! L52)(1#\$>\$-\$)\*& !.....:S!  
! J(-\$)5#%\*+0\$!.....:! !  
! Q%,#\$(4!F()\*\$)\*&.....:!S  
! ! K(-%!)!+-\$0%#&!.....:!S  
! ! L0%,.5!)!+-\$0%#&.....:![ !  
! ! E))+,-,\$0\$' !.....:!T\_!  
! M.&\*!(4!Q%,#S&.....:!T!  
! M.&\*!(4!O.>+0\$&.....:!T[ !  
! M.&\*!(4!G0%59&.....:!T\ !  
! M.&\*!(4!"#%!\$&.....:Y\_!  
! M%)&5%6\$!"%>\$.....:YS  
!

# GJIKLM! NOCKPLQNCJ

## F2-)'+,%-\$'2!

C#!D(-.)(!E).@ \$0&.\*!/0\$H+.0\$&!%!.&&\$0\*%\*.(!40(-!%##!(5\*(0%#15%)!.'%\*\$&!%)!%!\*9\$&.&!40(-!%#\*9\$&.&!(6\*.)!-%&\*\$0e&!5%)!.'%\*\$&!Q9\$!\*9\$&.&c'.&&\$0\*%\*.(!&9(+#!,\$160\$&\$)\*\$!)!%!\*59(##0#/V!1\$##)\*\$>0%\*\$'V!60(6\$0#/'!(5+-\$)\*\$!-%))\$0V!19.59!0\$6(0\*&!\*9\$0.>.)%#1(02!())\$!,/!\*9\$!&\*+'\$)\*!+'\$0!\*9\$!&+6\$0@.&.)!(4!\*9\$!'@.&(0/!5(--.\*\*\$\$:

!

Q9.&!#\$%&'(&\*)%+,)-#(&'&/0%1%1&,\$&2#11%19%&,\$\$)%+\*9(0.W\$!,/!\*9\$!G0%'+%\*\$!L'-.&\*0%\*(0&!F(+).#(4!C#!D(-.)(!E).@ \$0&.\*!/!(!%&&.&\*>0%'+%\*\$!&\*+'\$)\*&9\$0!5(--.\*\*\$\$!-\$,\$0&!.)\*9\$!60\$6%0%\*.(!)(4!\*9\$&\$\$)'!&&\$0\*%\*.(!&!Q9\$!60.-%0/!6+06(&\$!(4!\*9.&!-%)+%#!&!\*(!60(@.'\$!+).4(0-!&\*%)'%'0'&!0\$>%0'.>!&\*/#\$!%)!4(0-19\*#\$%##(.!>!)(\$)(+>9!4#\$\$^.,.#./!\*(!&%.&4/! \*9\$!%55\$6\*%,#\$!60%5\*.5\$&!(4!\$%59!%5%&5.6\$!)\$!Q9\$!1(0)\*9\$&.&1.##!,\$!+&\$!)!0\$4\$0\$)5\$!\*(>\$)\$0%#.!&\*0+5\*.(!&H+%##/!%66#.5%,#\$!\*(!%##!\*8\$8\$8%\*.(&gi(+0)%#!('\$#h!1.##!,\$!+&\$!)!0\$4\$0\$)5\$!\*(>\$)\$0%#.!&\*/#\$!)&\*0+5\*.(!&:

!

## C)&/&2-\*-\$'2!#!;\*-&)\$\* @

Q9\$!4.).&9\$!1(02!-+&\*!0\$4\$5\*!%15(-60\$9\$)&.@ \$!+)'\$0&\*%'.>!(4!\*9\$!6\$0\*.)\$)\*!#.\*\$0%'+0\$!)!\$^60\$&&!.!5#\$\$%0!%)!#\$>.,#\$!!)>#. &9!\*9\$!-\$\*9('V!&.>).4.5%)5\$V!%)!0\$&+##&!(4!\*9\$!&\*+'\$)\*e&!0\$&\$9

!

!

!

<

!

!

%#&(!%66\$%0!)(%9\$0!-%\*\$0.%#!.)5#+\$!.)D\$!\*9\$&.&!?\$>:V!%+'.(V!@4\$V!\*9\$0!'.>.\*%#!  
5(\*)\$)\* B!

!

L!\*9(0(+>9!\$^6#%)%\*.!)!(4!9(1!5(6/0.>9\*!#%1!%66#.\$&!(\*9\$&\$&!%)0\*8&\$)&!.&!%@%.#%,\$\$!)!  
gF(6/0.>9\*!%)!a(+0!D.&&\$0\*%\*.!)!(0!Q9\$&.&k!C1)\$0&9.6V!O%.0!E&\$V!%)!a(+0!K.>9\*!%)!  
K\$&6)&.,.#.\*.\$&Vh!%@%.#%,\$\$!40+\$8!3%!  
9\*\*6kcc-\$.%6:60(H+\$&\*:5(-c'(5+-\$)\*&c5(6/0.>9\*m'.&&\*9\$&.&m(1)\$0&9.6:6'4

!

!

!

!

!

!

!

!

" KCFIDEKI; !

.,8B\$//2!#!D0&/&!')!A\$//&)-\*-\$2/ !

FJFDFK7!E5LKDF"JM5LNF.F"J.

Q9\$!&\*+\$)!%!)!5(--.\*\*\$\$!\$)&+0\$!H+%#.\*!(4!5()\*\$)!%!)!5(00\$5\*)\$&&!(!4!4(0-!(4!\*9\$!\*9\$&.&!Q9\$!&\*+\$)!-%/>.@\$!)!>(!.)>!\$@%#+%\*.)&!;/!\*9\$!5(--.\*\*\$\$V!,+\*!4.)%#!%660(@%#!-%/!,!\$>.@\$!)!#/)!\*9\$!5(-6#\$\*\$'!(5+-\$.Q9\$!&\*+\$)!+&\*!%66#/!4(0!>0%'+%\*.!)!60.(0!\*(!9\$!&\$-\$&\*0!(4!>0%'+%\*.!)!%!)!,\$!\$)0(##\$'!.)\*9\$!E).@\$0&.'

!

.1O;F..F"J"D"IDPL.F.MAF..L5DKDF"J IE";;FDDLL !

Q9\$!4.)%#.W\$'!(5+-)\$\*!-+&\*!,!\$!&+,-.\*\*\$!\*(!\*9\$!\*9\$&.&!(!'&&\$0\*%\*.!)!'.0\$5\*(0!%!.).--+(4!\*1(!1\$\$2&!60.(0!\*(!9\$!(0%#!\$4\$)&\$;!N4!\*9\$!'.0\$5\*(0V!5(--.\*\*\$\$V!%)!>0%'+%\*\$!60(>0%-'!'.0\$5\*(0!%>0\$\$!\*9%!\*9\$!'(5+-\$.%55\$6\*%,#\$!4(0-!4(0!60\$&&)\*(!%\*!%!)!(0%#!\$4\$)&\$V!%)))(+5\$-\$)\*&!1.##!,!\$!6+,#.&9\$!%!)!'.&\*0.,\*'\$:

!

DPL.F.MAF..L5DKDF"J!ALGLJ!L

Q9\$&&\$&c'.&&\$0\*%\*.!)&!-+&\*!,!\$!\$4\$)'\$!.)!40()\*!(4!\$&.>)%\*\$!\$^%-..)>!5(--.\*\*\$\$&:!Q9\$!\$5.&.)!%&!\*(!19\$\*9\$(%!\*&\*+\$)!9%&!6%&&\$'!(0!4%.#\$!\*9\$)(\$^%)!0\$&\*&!1.\*9!\*9\$!5(--.\*\*\$\$V!,+\*!.!\*9%##!\*%2\$!.)\*(!%55(+)\*!(6.)&!(!4!\*9\$!6%0\*.5.6%\*.)>!4%5+##\*/!-\$,\$0&:!L!-%7(0.\*!/(4!\*9\$!5(--.\*\*\$\$V!.)5#+'.)>!%!-%7(0.\*!/(4!\*9\$!4\*9\$!&\*+\$)\*e!-%7(0!\$6%0\*-\$)\*V!-+&\*!%660(@\$!\*9\$!\*9\$&.&!(!'&&\$0\*%\*)%)-(+&!\$5.&.)!&!)\*!\$5\$&&%0!:

!

E";;FDDLL!5LE";;LJAKDF"J. !

!

!

!

P,B\*2!.,8Z&%-!/5&/&\*)%0\*2+!5&/&\*)%0!F23'@3\$26!K2\$B\*@[  
P\*\\*)+',!/E0&B\$%\*@[O\$'0\*\\*)+',!/\*-&)\$\*@[!5\*+\$'%-3&!  
;\*-&)\$\*@[

L)!60(6(&%#4(0!0\$&\$%059!@(#@>9+--%)!&+,7\$5\*!&+&\*,!\$!0\$@.\$1\$!%)!%660(@\$!%55(0'.>)\*(!  
\*9\$ICDE!"0(5\$'+0\$&!4(0!K\$@.\$1!(4!U+--%)!;+,7\$5\*!&K\$&\$%059!60(5\$&&!%)!%660(@%#!-+&\*,!\$!  
5.\*\$!.)!\*9\$!\*\$^\*(4!\*9\$!\*9\$&.&:

!

L##!0\$&\$%059!.)@(#@.)>9+--%)!&+,7\$5\*!&+&\*,!\$!0\$@.\$1\$!%)!%660(@\$!%55(0'.>)\*(!  
4\$!\$0%#87%\*\$V!%)@.\$0&.\*!/6(#.5.\$&!60(@.'.)>4(0!\*9\$!60(\*\$5\*.!)!(4!9+--%)!&+,7\$5\*!&:!b9.#\$!&(-\$!  
4(0-&!4!0\$&\$%059!-%/!,!5#%&&.4.\$!\$0%#!%)&\*\$!0\$>+\*%!\*%&!,.\$.)>!\$^\$-6\*!?:.\$:V!&+0@\$!  
0\$&\$%059!.)@(#@.)>!&\*\$%\$%59%\*.!)%#!\*\$&\*.>!-%\*\$0.%%#87!&+\*\$)!0\$&\$%059!4.&8!\$!  
0\$@.\$1\$!%)!%660(@.\$09\$!&+\*\$)\*8&!\*9\$&.&c'.&&\$0%\*.!)!.\$05\*(0V!%5\*.>!)%@.\$8\$%\*%V0  
'\$\*\$0-.)&8!19\$\*9\$0!(0!)(\*!9\$!60(7\$5\*!&9(+#!H+%#.4/!%&!\$^\$-6\*!40(-!N)&\*.+\*.!)%#!K\$@.\$1!X(%  
?NKXB!0\$@.\$1:!N4!\*9\$!)@.\$&\*.>\*(0!,\$.\$@&!.!\*(!,\$!\$^\$-6\*!%)!\*\$9\$!&+\*!'!(\$&!)(\*9%@\$!%!4\$!\$0%;  
4+').>!&(05\$V!.!5%)!,\$!&+,-.\*\*\$!(\*!9\$F(##\$>!U+--%)!;+,7\$5\*!&K\$@.\$1!F(--.\*\*\$!\$?U;KFB!4(0!  
0\$@.\$1:!N4!\*9\$!>\$!5(--.\*\*\$!%660(@&!\*9\$!60(7\$5\*V!\*9\$!60!&\*(6!\*9\$0\$!N4!\*9\$!>\$!  
5(--.\*\*\$!,\$.\$@&!\*9\$!60(7\$5\*!(,\$!)\$^\$-6\*V!\*9\$!60(7\$5\*!.&!4(0!%0'\$!(\*!9\$!NKX!4(0!0\$@.\$1:  
Q9\$!\$^5\$6\*.)!(\*!9.&!60(5\$&&!.&!\*9%\*!4\$!\$0%##!/4+)'\$!\$^\$-6\*!0\$&\$%059!)\$&!(\*!,\$!0\$@.\$1\$!/,!\*9\$!  
NKXQ9\$&\$!60(7\$5\*!&!,/6%&8\$>\$!5(--.\*\*\$&!

!

Q9\$!&+\*\$)!1.##!0\$5\$.@\$!%)!%660(@%#!)+,0\$!\*9%\*!&+&\*,!\$!5.\*\$!.)!\*9\$!\*9\$&.&!(0'&&\$0%\*.):

!

L)!60(6(&%#4(0!\*9\$&.&!(0'&&\$0%\*.!)!0\$&\$%059!>!)@(\$0\$,0%\$).-%#!&+,7\$5\*!&9%W%0'(+&!  
59\$-.5%#&V9%W%0'(+&9%\*\$0.%#80V%'.%5\*.@\$!-%\*\$0%#8(0!0%'.%\*.!)!60('+5.)>!-%59.)\$&  
-+&\*,!\$!0\$@.\$1\$!%)!%660(@\$!%55(0'.>)\*(\*9\$!>+.'\$#.)\$&!\$&\*%,#.&9\$!/,!\*9\$!%660(60%\*\$!  
5(--.\*\*\$ \$:Q9\$!60(5\$&&!%)!%660(@%#!-+&\*,!\$!5.\*\$!.)!\*9\$!\*\$^\*(4!\*9\$!\*9\$&.&!(0'&&\$0%\*.):

!

! G+.'\$#.)\$&!

!

Y





!

!

E\*9-\$'2/!

!

\$%&\$!(4!0\$%'>.:!Q9\$!)!#.)\$(4!%!\*%,\$\$!%66\$%0&!())#/(!)!\*9\$!#%&\*!6%>\$(4!\*9  
!  
F%6\*.)&!(0!\*.\*#\$&!())!%4%5.)>!6%>\$!%0\$!\*(!,!\$!+&\$'!())#/(!19\$)!%,&(#+\*\$#/)!\$5\$&!  
O%5.)>!6%>\$!5%6\*.)&!-%/!,!\$!+&\$'!4(0!4.>+0\$&!())#/V!)\$@\$0!\*%,\$\$&:!Q9%66\$%0&!()

# P LJE;FKN"QDIQLNM;

G'2-!G\*%& Q9\$!\$)\*.0\$!\*9\$&.&!-+&\*!,\$(4!+).4(0-!4()\*!(0!\*/6\$4%5\$;!D(!)(\*!%\*\*\$-6\*!\*(!  
 0\$6#.5%\*\$!%!7(+0)%#e&!+&\$!(4!@%0/.)>!&.W\$&!%!)!&\*/#\$&!(4!\*/6\$4%5\$!(0  
 &\*%)'0!!,((24%5\$!4()\*!-%/!,,\$!+&\$'!:Q9\$!0%'!+%\*6D(>0%-! .0\$5\*(0!##!-%2\$!  
 \*9\$!4.)%#!\$5.&.!0\$>%0!\$9\$!#\$>.,.#.\*!/%)!%55\$6\*%,.#.\*!(4!4()\*&!L55\$6\*%  
 60.)\*\$0&!1.##!60('!+5\$!&(#.'V!+),0(2\$)!#.)\$&!(4!\*/6\$!:F())&+#!1.\*9!/(+0!>0%'!+9  
 60(>0%-!.0\$5\*(0!.4!\*9\$0\$!.&!'+,\*!%,(+\*!\*9\$!%55\$6\*%,.#.\*!(4!%!60.)\*\$!  
 '(5+-\$)\*: !

!  
 N\*%#.5&!0!,(#'4%5\$!60.)\*!?.)!\*9\$!&%-\$

!

!

#%&\*!)+-,\$0\$!6%>\$:

!

"%>\$!)+-,\$0&!%0\$!6#%5\$'!.)\*9\$!+66\$0!09\$)!5(0)\$0!(4!\*9\$!6%>\$V!(f\$%#4!  
. )59!,\$#(1!\*9\$!\*(6!\$'>\$!(4!\*9\$!6%6\$0%)!())\$. )59!40(-!\*9\$!0.>9\* f

!

b



!

!

[: F.\*%\*.())&!&9(+#!5()\*%.)k!@(#

!

>:

# DILJ e! COONFFUIF<MN;Q

Q9\$&\$&!%)!&&\$0\*%\*.())&!&+,-.\*\*\$!\*(!\*9\$!D\$%)e&!C44.5\$!1.##!,\$!0\$@.\$1\$!4(0!%\$5\$6\$\*#)!  
(4!\*9\$!4(##(1.)>!0\$H+.0\$-\$)\*&k

!

- ! G\$)\$0%#!)\$%\*)\$&&!%)!#\$>.,!#.\*:/
- ! 3+%#.\*!(4!\*.W%\*.)(0!0\$60('!+5\*.):!
- ! F())&.\*\$)5/!.)!&\*/#\$!%)!4(0-%\*!
- ! Q.\*#\$660(@%#!"%">\$!%)!L,&\*0%5\*!-+&\*!-%\*59!\*9\$!4(0-%\*(4!&%-6#\$\$!)!.\*\$!
- ! F(00\$&6(')\$5\$!,\$\*1\$\$)!.\* #\$\$&!%)!6%>\$!)+,\$0&!.)!\*9\$!\*\$^\*!%)!.)!\*9\$!Q%,\$#!(4!F()\*\$)\*&V!
- ! M.&\*!(4!Q%,\$\$&V!%)!M.&\*!(4!O.>+0\$&:
- ! i(+0)%#!-('\$#!(0!&\*/#\$!>+.\$4(0-%\*\*.)>!4(0!\*%,\$\$&V!+0\$&!%)!6\$4\$0\$)5\$&:
- ! l%59!-%7(0!9\$%'.>!.&!5\$)\*\$0\$'V!.)!%##!5%6.\*%#!#\$\*\*\$0&V!%6(%#) 5 (#)2 (ET Q q m /TT4 .2

!

!

# IQD!" KC3 EI;Q! ; EXPN;;NCJ!" KCFI;; !

L##!&&\$0%\*.())&!%\*9\$&\$&!-+&\*!, \$!&+,-. \*\*\$!\*(!"0(3+\$&\*!Q9\$!4(##(1.)>&\$5\*.())!(+\*#.)\$&\*9\$!  
&+,-.&&.())!60(5\$&&!N4!/(+!9%@\$!H+\$&\*.)&!%,(+!\*9\$!&+,-.&&.())!60(5\$&&V!6#%#M\$!\$0%!=%)!  
%#@%)A('+\$+ :!!

!

## O&#')&!S',!O&6\$2

X\$!&+0\$!(!9%@\$!\*9\$!4(##(1.)>k

R: Q9\$4.)%#V!%660(@\$!'.&&\$0%9\$&.&!.)!"DO!4(0-%\*!Q9.&!-+&\*!, \$!(\$!4#2'!,9@'!'+!  
9)&@\$B\$2\*)4!+)\*#W2@4!-0&!#\$2\*@[!\*99)'3&+!W!)eX

!

>†



!

!

LDA!.,8B\$//'\$2!C)'%&// !

Q9\$)%@.>%\*.)!\*%,&!()\*! \*9\$!#\$4\*!%##(1!/(&%00/(+0!&+,-.&&.)!%&!/(+!1(02:!K\$-\$,\$0!\*(!9.\*!  
\*9\$!g;%@\$!Z!F(\*)+)\$h!,+\*\*(!,\$4(0\$!#\$%@.)>!\$%59!&\$5\*.):!a(+!-%/!#\$%@\$!\*9\$!IQD!L'-).&\*0%\*(0!%  
%)/!\*-\$!%)!\*9\$)!0\$\*+0)!\*(!/(+0!&+,-.&&.)!#%\*\$0:

!

.DLC!>!.&@&@&8@\$/0\$269-\$'2!/\*2+! \*%%&9-!9,8@\$/0\$26!\*6)&&B&2-/  
"0(3+\$&\*!60(@.'\$&! \*9\$!(6\*.!)!\*(!9%@\$!-%7(0!&\$%059!\$)>.)\$&!'.&5(@\$0!/(+0!  
1(02:!

!

; \$#\$5\*! ga\$&4(0! \*9\$! >0\$%\*\$&\*! 6(&&.,#\$!  
%55\$&&!\*(!/(+0!1(02:!N4!/(+!&\$#55&Vh!  
G((>#\$!%)!G((>#\$!;59(#%0!1.##!60(@.'\$!%!  
#.)2!\*(!/(+0!1(02!.!)!0(3+\$&\*!%)!%!.#.)2!  
\*(!/(+0!1(02!.!)!CDE!D.>.\*%#!F(--)&! !

!

N4!/(+!&\$#\$5\*!gJ(\$! "0(3+\$&\*!#.)2!1.##!  
(\*!, \$!% @%.#%,#\$!@.%!G((>#\$!GDE!  
D.>.\*%#!F(--)&!#.)2!1.##!, \$!% @%.#%,#\$!.!)!  
G((>#\$! %)!' G((>#\$! ;59(#%0:!!N4!  
%,&(#+\*\$#!'!)(\*! 1%)\*!)%5 -1 (#% [ (%.) -1 (#) 2 (\$)) 2 (!) - 37 3BT237 (%>!

!

>!

!

!

!

>

!

!

.DLCI :!19@'\*+\$26!-0&!CAG&!#\$@&!2@4\_  
D(!)(\*!+6#(%!'!/(+0!1(02!+)\*.#!.!&!\*9\$!)%#V!%660(@\$!5!6/:

!

"MIL;! JCQik! N4! /( +80\$! &+,-.\*\*.)>! %! 6'4V! /( +!  
-+&\*!\$)&+0\$!\*9%#!

RB%#4()\*&!%0\$!\$-\$"\$'!)!\*9\$!"DO !%)!!

SB\*9\$!"DO!&\$5+0.\*!&\$\*\*.)>&!%##(1!60.)\*)>!%)!

-('4.5%\*.!)!(4!\*9\$!(5+-\$)\*! !

X(\*9! %0\$! 50.\*.5%#! \*(! \*9\$! 6+,#.&9.)>! 60(5\$&&! "DO!

U\$#6!.&!()\*!\*9\$!6%>\$:

!

!

.DLCY

!

>

!

!

.DLC! :!G\$@\$26!#')!E'94)\$60-!5&6\$(-)\*-\$'2!]9-\$'2\* @\_  
 Q9.&!&\*\$6!.&!&\*0.5\*#/(6\*.(%#!!1(02!.&!%+\*(-%\*.5%##/!5(6/0.>9\*\$!())5\$!.\*!  
 .&!10.\*\*\$):!!  
 !

!

>

!

!

a(+0!1(02!1.##!,\$!&+,-.\*\*\$!\*(!"0(3+\$&\*!4(0!6+,#.&9.)>!'\_%/&!%4\*\$0!\*9\$(44.5.%#!>0%'+%\*.!)!%\*\$:!!  
"0(3+\$&\*!1.##!)(\*!,\$>.)!60(5\$&&.)>!,(+)'!5(6.\$&!+)\*.#!\*9\$!/9%@\$!6+,#.&9\$!\*9\$!1(02!1.##!  
0\$5\$.@\$!%)!\$-%.#!40(!"0(3+\$&\*!#\$\$.>!/!(+!2)(1!/(+0!1(02!9%&!,\$\$)!6+,#.&9\$':

!

!

>!

!

!

; LP"MI !" LGI; !

Q9\$!4(##(1.)>!&%-6#\$!6%>\$&!.)5#+'\$!%)!\$^-6#\$!1.\*9!\$^6#%)%\*(0/!)(\*\$&!4(##(1\$'!,/!%)!\$^-6#\$!%&  
.\*!1(+#!%66\$%0!.)\*9\$!4.)%#!\*9\$&.&:

!

!

!

>t

!  
!  
!

ANIMAL IMAGERY IN THE COMIC WORKS OF  
RICHARD B. SHERIDAN AND WILLIAM CONGREVE

by

Jane Ann Doe  
B.A. August 2003, State University of New York  
M.A. May 2005, University of Virginia

!

!  
!  
!

ANIMAL IMAGERY IN THE COMIC WORKS OF  
RICHARD B. SHERIDAN AND WILLIAM CONGREVE

by

Jane Ann Doe  
B.A. August 2003, State University of New York  
M.A. May 2005, University of Virginia

A Dissertation Submitted to the Faculty of  
Old Dominion University in Partial Fulfillment of the  
Requirements for the Degree of

DOCTOR OF PHILOSOPHY

ENGLISH

OLD DOMINION UNIVERSITY  
May 2015

Approved by:

John T. Jones (Director)

Anne Dailey (Member)

David R. Smith (Member)

William Coza (Member)

!



!  
!  
!

## ABSTRACT

### ANIMAL IMAGE RY IN THE COMIC WORKS OF RICHARD B. SHERIDAN AND WILLIAM CONGREVE

John Eugene Doe  
Old Dominion University 2015  
Director: Dr. John T. Jones

The text of the Abstract starts no double spaces below the heading, with a paragraph indentation. The text of Abstract is double spaced or one-and-a-half spaces according to the spacing style followed in the narrative text; it must not exceed 350 words in length. Any term (or numeral) with a space on either side of it will be counted as a word.

The Abstract contains a statement of the problem, procedure or methods, results, and conclusions. All explanatory matter and op

!





Copyright, 2015, by Jane Smith Doe, All Rights Reserved.

Q9\$!'\$.5%\*.!)!  
,\$.>

This thesis is dedicated to the proposition  
that the harder you work, the luckier you get.





## ACKNOWLEDGMENTS

There are many people who have contributed to the successful completion of this dissertation. I extend many, many thanks to my committee members for their patience and hours of guidance on my research and editing of this manuscript. The untiring efforts of my major advisor deserve special recognition.



## NOMENCLATURE

A Amplitude Ratio, (NoUnits)

C Centroid of pipe, inches

Do

## NOMENCLATURE

A

!

## TABLE OF CONTENTS

	Page
LIST OF TABLES.....	viii
LIST OF FIGURES.....	ix
Chapter	
I. INTRODUCTION.....	1
THEORETICAL FORMULATIONS	

Page

BIBLIOGRAPHY.....101

APPENDICES

A. SAMPLE SCHEDULE.....116
B. SUMMARY TABLES.....117
C. STUDY SAMPLE.....129
D. FAMILY PROFILE SCALE.....134

VITA .....136

TABLE OF CONTENTS

Page

LIST OF TABLES.....

BIBLIOGRAPHY.....101

APPENDICES

    A. SAMPLE SCHEDULE.....116

    B. SUMMARY TABLES.....117

    C. STUDY SAMPLE.....129

    D. FAMILY PROFILE SCALE.....134

VITA .....136



BIBLIOGRAPHY.....





	Page
BIBLIOGRAPHY.....	101
APPENDICES	
A.    SAMPLE SCHEDULE.....	116
B.    SUMMARY TABLES.....	117
C.    STUDY SAMPLE.....	129
D.    FAMILY PROFILE SCALE.....	134
VITA .....	136

TABLE OF CONTENTS

	Page
LIST OF TABLES.....	viii
LIST OF FIGURES.....	ix
INTRODUCTION.....	1.
THEORETICAL FORMULATIONS.....	3

Page

L66\$)'.^!  
 \*. \*#\$&!%0\$!  
 (6\*.())%#V!  
 ,+\*!.4!#.&\*\$\$  
 \*9\$!/&9(+#!  
 %66\$%Ø%#  
 5%6.\*%#!  
 #\$\$\*\*\$0&:

APPENDICES

SAMPLE SCHEDULE.....116

SUMMARY TABLES.....117

STUDY SAMPLE.....129

FAMILY PROFILE SCALE.....134

VITA .....136

N4!\*9\$0\$  
 -(0\$!\*9%)  
 ()\$!6%>\$'  
 6#%5\$!\*9  
 g"%>\$h!  
 9\$%'.>!%  
 \*9\$!\*(6!(4  
 &+,&\$H+!  
 6%>\$&:



APPENDICES

SAMPLE SCHEDULE.....	116
SUMMARY TABLES.....	117
STUDY SAMPLE.....	129
FAMILY PROFILE SCALE.....	134
VITA .....	136

LIST OF TABLES

Table	Page
1. Mean Error Scores for Random and Controlled L-Land L-M SES Dyad for Concrete and Abstract Stimuli.....	30
2. Mean Number of Critical Attributes Communicated Per Dyad.....	32
3. Mean Number of Critical Attributes Communicated by Encodes, Spontaneously and Request of Decoder.....	33
4. Mean Number of Critical Attributes Communicated by Encoders Spontaneously.....	35
5. Mean Number of Critical Attributes Communicated by Encoder: Upon Request of Decoder.....	36

N4!\*9\$0\$  
 -(0\$!\*9%)  
 ()\$!6%>\$  
 6#%5\$!\*ε

\$!\*.\*#\$!.)  
 ;!\*\$^\*!  
 k\*!  
 %5\*#/  
 \*59!\*9\$!  
 #\$.!)!\*9\$!  
 &\*!(4!  
 6,#\$C)#/  
 ;!4.0&\*!  
 6#\*\$\*!  
 \*\$)5\$(4!  
 ;!\*.\*#\$!.&!  
 ;\$!.)!  
 ;!M.&\*!(4!  
 6,#\$&

## LIST OF TABLES

Table	Page
1. Mean Error Scores for Random and Controlled L1 and L-M SES Dyad for Concrete and Abstract Stimuli.....	30
2. Mean Number of Critical Attributes Communicated Per Dyad.....	32
3. Mean Number of Critical Attributes Communicated by Encodes, Spontaneously and by Request of Decoder.....	33
4. Mean Number of Critical Attributes Communicated by Encoders Spontaneously.....	35
5. Mean Number of Critical Attributes Communicated by Encoder: Upon Request of Decoder.....	36



!

### LIST OF FIGURES

Figure	Page
1. The HongCow Society Temple and the Joss House Pictured in 1960.....	18
2. Young Sing and His Family pictured in Front of the CCS on D Street.....	25
3. The Welcome Group of Lee Pen Pictured in One of the classrooms in the CCS on D Street.....	27
4. Exterior of the Chinese Confucius School located at 949 Waterman Avenue.....	38
5. Site and First Floor Plan of the Chinese Confucius School Located at 949 Waterman Avenue.....	39

!





LIST OF GRAPHS

Graph	Page
1. Pilot Group: Distribution of Categories of Interaction Occurring in the First and Final Teaching Sessions.....	1

LIST OF PLATES

Plate

Page

1. Range of Ammbystoma Trigrinum Californiense in Relation to

!

LIST OF PLATES

Plate	Page
1. Range of Ammbystoma Trigrinum Californiense in Relation to the Range of the Continuous Tiger Salamander Population.....	2
2. Relative Location and Surrounding to Ponds A, B, and C.....	6
3. Depression Forming Pond B During Early November.....	7
4. Pond B After the First Winter Rain.....	9
5. Dimension of Ponds A, B, and C on Dates of Initial Spawning.....	16

