

"# \$ %&! ' (!) #* + , - !

- ./ (0&) . ' &#+1#23&.0(&%0.4#3 ' #5 ' 67348#
A0<' #9 (B0#C+77.6.#
"?"#J+0&8#9 .03+'#K=. '%.#
A0<' #9 (B0;#\$. ' '4<7=('3(# ">?"?#
jktaylor@brynmawr.edu

! " # \$ % & ' ! ' ()

" # \$ % ! & ' (# \$ \$) * ! + , - . / # ! 0 \$ 1 2) 3 3 1 \$ 4 ! 5) 6 # \$ * .) / * ! 1 2 ! 7 8 *) \$ # * - \$) 3 ! 8 / ! & / 9 , 8 3 : 4 ! ; \$ % / ! " # < \$! = 1 , ,) 9) 4 !
> ? >> @ 6 \$) 3) / * !

K44+Q3(&.#\$0+1.44+0;#- ./ (0&) . ' &#+1#23&.0(&%0.4#3 ' #5 ' 67348;#A0<' #9 (B0#C+77.6.;#H?"HG
H?HH#

K4434&(' &#\$0+1.44+0;#- ./ (0&) . ' &#+1#23&.0(&%0.4#3 ' #5 ' 67348;#A0<' #9 (B0#C+77.6.;#H??@G
H?"H#

! * + , - (. % ')

\$8P - P# C+) / (0(&3=.#23&.0(&%0.#(' , #23&.0(0<#R8.+0<;#S ' 3=.043&<#+1#\$. ' ' 4<7=(' 3(;#K%6%4&#
H??@#

9 PKP# 5 ' 67348;#S ' 3=.043&<#+1#C+7+0(, +GA+%7 , .0;#- .Q.) 0.0#">>>#

APKP# 5 ' 67348#(' , # : / (' 348#23&.0(&%0.4;# : & (' 1+0 , #S ' 3=.043&<;#T% ' .#">>F#

+ / \$. , - (. % ' 0)

/ 112)

! "# \$ % & ' (%) (* + , - & # - . (/ " \$ & - ' ' " & 0 I (2 " \$ - 3 4 \$ 5 3 - I (4 & , (6 % 7 7 5 & " \$ 8 (" & \$ 9 - (2 4 \$ - (: " , , ; - (< 0 - ' = (C + 7 %) 0 % 4 ; # UVW # U 8 3 + # : & (& . # S ' 3 = . 0 4 3 & < # \$ 0 . 4 4 ; # H ? " X P #

3145678) - 59; ; & < =) 76 >) , 1695 : ? 49 : 16 =) 91 ! = 7 @) , 188 < ; 9 : 16 =)

"#\$%&! '#()*+!

,!

"#\$%&! ' #()*+!

Y 9 . . 3.=(7#A+, 3.4;[#d(77#H??I;#: /03' 6#H?" ";#d(77#H?" I#
D3' Q7%, . . #3' #b . ' . 0#(' , #: .c%(73&<#: &% , 3.4#Q%003Q%7%) E#

Y 9 . &8+, 4#+1#23&.0(0<#: &% , <;[#: /03' 6#H??>;#: /03' 6#H?" ";#: /03' 6#H?"H;#: /03' 6#H?"X;#
: /03' 6#H?" !;#: /03' 6#H?"@;#d(77#H?"@;#d(77#H?"F;#: /03' 6#H?" I;#d(77#H?" I;#d(77#H?">#

Y 9 . . 3.=(7#*(Q.;[#: /03' 6#H?"H;#: /03' 6#H?" I;#: /03' 6#H?H?#

Y23&.0(&%0.#+1# - 344. ' &;[#: /03' 6#H?"F#

YZ' &0+, %Q&3+ ' #&+# 9 . . 3.=(7# - 0() (;[#d(77#H??F;#: /03' 6#H?"F#

Y*+) (' Q. #&+#A0+) (' Q.;[#: /03' 6#H?"@;#d(77#H?"F;#d(77#H?H"#

YR8.#C(' &.00%0<#R(7.4;[#d(77#H??@;#d(77#H??I;#d(77#H?" !;#d(77#H?"F#

Y: . ' 3+0#: .) 3' (0;[#d(77#H?" !;#d(77#H?"@#

Y 9 . . 3.=(734) 4;[#: /03' 6#H?"X;#: /03' 6#H?" !#
DQ+G&(%68&#B3&8#577<#R0%3&&o#3' Q7%, . . #3' #V34&+0<#Q%003Q%7%) E#

Y\$3.04#\$7+B) (' ;[#: /03' 6#H??I;#d(77#H?"H#

Y k +) . ' # (' , #&8. #2(B#3' #&8. # 9 3 , , 7. #K6.4;[#: /03' 6#H??F;#: /03' 6#H??>#

YR0(=.7#(' , #R0(' 460.443+ ' W# 9 . . 3.=(7#R0(=.7#23&.0(&%0.;[#: /03' 6#H??F;#d(77#H?"H#

YA++M) (0M4W# R. Q8' +7+63.4#+1#R.c&;#K' Q3. ' &#&+#C+ ' &.) /+0(0<;[#d(77#H??@;#d(77#H??F;#
d(77#H?"?#

Y2(B#(' , #23&.0(&%0.;[#S' 3=.043&<#+1#\$. ' ' 4<7=(' 3(;#: /03' 6#H??@#

YR8.# k 8+, % ' 3&W# - .&.Q&3=.#d3Q&3+' ;[#S' 3=.043&<#+1#\$. ' ' 4<7=(' 3(;#: %)) .0#H??!#

YR03(7#(' , # \$ ' 348) . ' ' #&8. # 9 3 , , 7. #K6.4;[#S' 3=.043&<#+1#\$. ' ' 4<7=(' 3(;#: /03' 6#H??!#

Y5' 67348#23&.0(&%0.#A.1+0.#"@@?;[#S' 3=.043&<#+1#\$. ' ' 4<7=(' 3(;#d(77#H??_#

YC7(443Q4#+1#&8.# k .4&.0' # k +07, #Z;[#S' 3=.043&<#+1#\$. ' ' 4<7=(' 3(;#d(77#H??H#

Y5' 67348#C+) /+43&3+' ;[#d0+ ' &#*(' 6.#C+)) % ' 3&<#C+77.6.;#: /03' 6#H??#

Y: / . . Q8#C+)) % ' 3Q(&3+' 4;[#d0+ ' &#*(' 6.#C+)) % ' 3&<#C+77.6.;#: /03' 6#H??#

"#\$%&! ' #()*+!

MA - ' (0)

d(Q%7&<#d.77+B483/#\$0+60() #3 '#Z40(.7;#H?HX#

C8(07.4#VP# k (&&4#* .4.(0Q8#d.77+B483/;#H?H?#
T+8 '#C(0&.0#A0+B '#2300(0<;#\$0+=3, . 'Q.;#*8+, .#Z47(' ,#

\$. ' '#V%) (' 3&3.4#d+0%) #* .63+' (7#d(Q%7&<#d.77+B483/;#H?"HG?"X#
S '3=.043&<#+1#\$. ' '4<7=('3(#

d(Q%7&<#* .4.(0Q8#b0(' &;#H??>#
A0<' #9 (B0#C+77.6.#

K ' ,0.B# k P#9 .77+' #V% ' &3 '6&+' #2300(0<#* .4.(0Q8#b0(' &;#H??I#
V% ' &3 '6&+' #2300(0<;#: (' #9 (03 '+' ;#C(731+0 '3(#

C. ' &.0#1+0#Z' &.0' (&3+' (7# : &% ,3.4#* .4.(0Q8#b0(' &;#H??I#
A0<' #9 (B0#C+77.6.#

C%003Q%7%) # - . = .7+ /) . ' &#: % / / +0&#b0(' &;#H??F#
A0<' #9 (B0#C+77.6.#

R. (Q83 '6#(' ,#2. (0 '3 '6#Z' 3&3(&3=.#9 .77+' #b0(' &;#H??F#
A0<' #9 (B0#C+77.6.#

k 3773() #\$. ' '#d.77+B483/;#H??GH??_#D, .1.00. ,E#
* .4.(0Q8#(' ,#&. (Q83 '6# / (QM(6.;#S '3=.043&<#+1#\$. ' '4<7=('3(#

- +7+0.4#p+80(O#23.0) (' '#d.77+B483/;#H??"GH??_#
J (&3+' (7;#0. ' .B(O7.#Q+) / .&3&3=.#60(,% (&. #1.77+B483/#

K ' ,0.B# k P#9 .77+' #d.77+B483/#3 '#&8.#V%) (' 3&3.4;#H???"G"#
J (&3+' (7;#Q+) / .&3&3=.#60(,% (&. #1.77+B483/#

I% ' %A0) - ' *) - G - A * 0)

9 (0<#5P#b(00. &&#K7%) ' (.#5 ' ,+B. ,#\$0+1.44+0483/;#H?HH#
A0<' #9 (B0#C+77.6.#

V.7. '#R(1	 (' '3 '6#5 ' ,+B. ,#C8(30#+1#A03&348#V34&+0<;#H??>GH?"H#
A0<' #9 (B0#C+77.6.#

- . (']4#KB(0, #1+0# - 34&3 '6%348. ,#R. (Q83 '6;#H??@#
:Q8++7#+1#K0&4#(' ,#: Q3. 'Q.4;#S '3=.043&<#+1#\$. ' '4<7=('3(#

"#\$%&! ' #()*+!

- , - * ! " . ,) 0 ! AD . , !)

0<5B:;<)91)9K<)#51J<==:16)

\$0+60() #C+)) 3&& . . ;#Z ' & . 0 ' (&3+ ' (7#\$3.04#\$7+B) (' #: +Q3.&<#C+ ' 1.0. ' Q. ;#H?H"GH?HX#

9 (' %4Q03 / &#* . =3. B. 0 ;#?@ - #5 ; 57 ; #F : 2 < ; # : % , - 3 & (24 & 0540 - (? \$5 , " - ' ; #6945# - 3 (C - + " - I I (J - 43E% % K (%) (24 & 0 ; 4 & , (? \$5 , " - ' I (S ' 3 = . 043 & < # \$0.44# + 1#d7+03 , (#

K ' , 0. B# k P# 9 . 77+ ' #R03GC+ # 9 . , 3. = (7# : & % , 3. 4# b 0 + % / ; #H? " ? G " X#

5c . Q% & 3 = . #C+ % ' Q37 ; # - . 7 (B (0. # ^ (77. < # 9 . , 3. = (7# K44+Q3 (&3+ ' # H? " ? G " ! #

0<5B:;<)91) / 5@6) " 7C5) , 188<0<)

- . / (0 &) . ' & #C8 (30 ; # 23 & . 0 (& % 0. 4# 3 ' # 5 ' 67348 ; #H? " > GHX#

C83.1#C+)) % ' 3Q (&3+ ' 4#U113Q.0# : . (0Q8#C+)) 3&& . . ; #H?HH#

: & . . 03 ' 6#C+)) 3&& . . ; #C+) / (0 (&3 = . # 23 & . 0 (& % 0. ; #H? " > GH?HH#

C+)) 3&& . . # + ' #KQ (, .) 3Q# \$03+03&3.4 ; #H? " FGH?H" # DC8 (30 ; #H? " > GH?H?E#

T% ' 3+0#d (Q% 7 & < # 23 (34+ ' ; #H? " IGH?HH#

\$7 (' ' 3 ' 6#C+)) 3&& . . ; #CU ^ Z - #4.) . 4 & . 0 ; #H?H?#

5c & . 0 ' (7# * . = 3. B. 0 ; #K0&4# \$0+60 () #D1+0#K30. (# 9 (&8. B4]#0. (/ / + 3 ' &) . ' &E ; #H?H?#

: & 0 (& . 63Q#K , = 34+0 < # b 0 + % / ; #H? " FGH? " > #

5c & . 0 ' (7# * . = 3. B. 0 ; # * % 443 (' # - . / (0 &) . ' & #D1+0#A.77 (# b 036+0 < ('] 4#0. (/ / + 3 ' &) . ' &E ; #H? " > #

C+)) 3&& . . # + ' # J +) 3 ' (&3+ ' 4 ; #H? " ! G " F# DC8 (30 ; #H? " @ G " FE#

d (Q% 7 & < # 9 . ' & + 0# \$0+60 () ; #H? " _ GH?H?#

V (' ' (# V + 70% 0 ' # b 0 (< # K , = 34. 0 ; #H? " " ; #H? " H ; #H? " ! ; #H? " F ; #H? " I ; #H?H?#

- 34Q% 44 (' & ; # * . (/ / + 3 ' &) . ' & # (' , # \$0+) + & 3 + ' # & + # R . ' % 0. ; #H? " ! #

b 0 (, % (& . # C+ % ' Q37 ; #H? " HG " ! #

"#\$%&! ' #()*+!

C%4&+) 4#K,=34.0;#H?"H;#H?"@;#H?"F#

d(Q%7&<#C%003Q%7%) #* .&0. (&#\$7(' '3 '6#C+)) 3&&..;#H?"?G""#

d304&G j .(0#5c/ .03. 'Q.#K44.44) . ' &#(' ,#C%003Q%7%) #C+)) 3&&..;#H??IG"?#

* .(, .0;#9 P#C(0.<#R8+) (4#\$03\.;#H??F;#H?"H;#H?"X#

V+ '+0#A+(0, ;#H??IG"?#

d7.c' .0#2.Q&%0.#K,=34+0<#C+)) 3&&..;#H??IG"?o#H?"FGI#

V(' '(#V+70%0' #b0(<#d.77+B483/#C+)) 3&&..;#H??IG"?#

V(' '(#V+70%0' #b0(<#* .4.(0Q8#: .) 3' (0;#H?" "G"Xo#H?" !o#H?"Fo#H?" I#

C+)) 3&&..#+ '#5' ,+B. ,#2.Q&%0.4;#H??@GI#

\$ - 'M+ - M!0)

2(k3';#:/('348;#d0.'Q8;#U7,#5'67348#