

MUSC2116

GcibXžGcWyhmUbXGY`Z]bK cfXAig]W

GYa YghYf'C bY``##`&\$%

7 ci fgY[·]Cj Yfj]Yk

`GHJZZ`7cbHJWh`8YHJ]`g`

7cbj Ybcfg

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D∖cbY
A Ubc`YhY`A cfU	Ű,	‰\$\$Ua !‰.\$\$da	Fcca '‰(ž FcVYfh KYVghYf 6i]X]b[-',)`(',-

°@Y₩ni fYfg'

BUa Y	9a U]`	5j U]`UV]`]m	@cWUh]cb	D\cbY
AUbc`YhY'AcfU	a "a cfU4 i bgk "YXi "Ui	UgʻUVcj Y	Ug ⁻ UVcj Y	Ug [•] UVcj Y

"Hihcfg"

BUa Y	9a U]`	5j U]`UV]`]m	@c₩Uhjcb	D∖cbY
>c\b`BUd]Yf	^bUd]Yf4 i bgk "YXi "Ui	Ϋ́V"U"	Fcca ~%% ž FcVYfh KYVghYf 6i]`X]b[-',)`*-)'
6Yb`D\]ddg	V"d\]ddg4 i bgk "YXi "Ui			

GWXcc`7cbHJWh=bZcfaUh]cb

Fcca '' &&ž`Yj Y`' 'FcVYfhK YVghYf'6i]`X]b[

D\cbY.`f\$&Ł`-`,)`(,)*

9a U]`. <u>'gUa 4 i bgk "YXi "Ui</u>

K YVg]hY. <u>http://thtt</u>

H\Y'GW\cc``cZh\Y`5fhg`UbX`AYX]U'k ci`X``]_Y'hc`FYgdYWbZ``m5W_bck`YX[Y'h\Y'HfUX]h]cbU``7ighcX]Ubgž h\Y'6YXY[U``fPYbg]b[hcb`WUadigŁž; UX][U``f7]hmUbX`5fh⁄`8Yg][b`7UadigYgŁUbX`h\Y`B[ibbUkU` dYcd`Y`fБighfU`]Ub`8YZYbWY`: cfWY`5WUXYam]b`7UbVYffUŁcZh\Y``UbXg`k\YfY`YUW\`WUadig`cZIBGK`]g `cWUhYX"

5 HhybXUbWY FYei]fYa Ybhg

5 'ghi XYbh]g'YI dYWYX'hc'UhYbX'U```WUgg'WcbhUWi\ci fg'Zcf'U'ZJWY!hc!ZJWY'fI & Ł'cf'V`YbXYX'Wci fgY'UbX Wca d`YhY'U```UWjj]h]Yg'Zcf'U'V`YbXYX'cf'Z ``micb`]bY'Wci fgY"

5 'ghi XYbhik \c'Uff]j Ygʻa cfYʻh\Ubʻ%) 'a]bi hYgʻ`UhYʻa UmVYʻdYbU`]gYXʻZcfibcb!UhhYbXUbVW'''-Zgi VXʻUʻdYbUʻhm]gʻ]a dcgYXž'h\Yʻghi XYbha i ghVYʻ]bZcfa YXʻj YfVU``mUhih\YʻYbXʻcZVVUggʻUbXʻUXj]gYXʻ]bʻk f]h]b[ʻk]h\]bʻ&(\ci fg"

ZUʻgh XYbhYI dYf]YbWYgʻ]`bYggža]gUXj Ybh fYʻcfʻch∖YfʻcWW ffYbWYʻh∖Uha U_YgʻUVgYbWY ZfcaʻU

WUgg#JWMj]hmi bUj c]XUV`Yžcf`YI dYWg`hc`VY`UVgYbhZfca`U`Zcfh\Wca]b[`WUgg#JWMj]hmž'h\Ymg\ci`X`gYY_ dYfa]gg]cb`Zfca`h\Y`7 ci fgY`5i h\cf]hmž'UbX`k \YfY`Udd`]WUV`Yž'h\Y]f`fYei Yghg\ci`X`VY`UVWca dUb]YX`VmUb cf][]bU``cf`Wffh]ZJYX`WcdmicZU`a YX]WU``Wffh]ZJWUHY`cf`ch\Yf`Zcfa`cZUddfcdf]UHY`Yj]XYbWY"

5 '7 ci fgY '5 i h\cf]hma UmYI W gY Uʻgh XYbhZrca 'WUggYgʻcfʻUWfji JhJYgʻZcfʻi dʻhcʻcbY a cbh\"' < ck Yj Yfžh Ym a UmUgg][bʻUXX]hJcbU``UbX#cfʻU`hYfbUhji YʻHUg_gʻhcʻYbgi fY Wca d`]UbW"'' 5 '7 ci fgY '5 i h\cf]hmWcbg]XYfJb['h\Y [fUbhJb['cZUVgYbW' a i ghVY gUhJgZJYX Uʻgh XYbhk]``gh]``VY UVY hc'a YYhh\Y Wci fgY'gʻYUfb]b['ci H\car{y}g UbX#cfʻj c`i a YʻcZ`YUfb]b["'5 'gh XYbhgYY_]b['Uddfcj U``hc`VY UVgYbhZcf`a cfY h\Ub`cbY`a cbh\ a i ghUdd`m]bʻk f]hJb['hc h\Y 8 YUb`UbX'dfcj]XY 'U``cf][]bU``cf`Wffh]ZJYX gi ddcfhJb['XcW a YbhUh]cb"

: cf`a cfY`]bZcfa Uh]cb`UVci hh\Y`UhhYbXUbWY`dfchcWc`g`]b`h\Y`: UWV`hmicZ5fhg`UbX`GcW]U` GW]YbWYg.`<u>\hhdg.##k k k "Ufhg"i bgk "YXi "Ui #W ffYbh!ghi XYbhg#UWUXYa]W]bZcfa Uh]cb#dfchcWc`g![i]XY`]bYg#</u>

5WUXYa]W=bZcfaUh]cb[·]

: cf`YggYbh]U``ghi XYbh']bZcfa Uh]cb`fY`Uh]b[`hc.`fYei Yghg`Zcf`YI hYbg]cb/fYj]Yk `cZa Uf_g/cVWV dUh]cbU``\YU`h

5ggYgga Ybh

Q:YfY'mci 'WUb'ci h]bY'UbmfY`YjUbh]bZcfaUh]cb'h\UhkUg'bch]bWiXYX']b'5=AG'Vi haUmdfcjY'\Y`dZ``Zcf mci f'ghiXYbhg"': cf'YlUad`Yž'mci 'a][\hdfcj]XY'XYhU]`g'cb'h\Y'fYZYfYbW]b['gmghYaž``]b_g'hc'dfYj]ci g

5ggYgga Ybh&: @]ghYb]b['HYgh

GHUfh'XUHY.

@Yb[h\.`@]ghYb]b[`HYghg`%/`&`YUW\`'\$`a]bg/YUW\`*`YIUad`Yg`hc`]XYbh]ZmUbX`XYgWf]VY"

8YHU]`g. `H\]g`UggYgga YbhiHUg_`Wcbg]ghg`cZik c`hYghg`cZYei U``k Y][\h]b["`HYghg`k]``VY`' \$`a]bg`YUW\`]b Xi fUh]cb"`H\]g`]g`h\Y`Z]bU``UggYgga YbhiHUg_"HYghidUdYfg`k]``VY`fYhi fbYX`k]h\`a Uf_g`UbX`Wca a Ybhg`Ug bYWfggUfm"

5XX]h]cbU``XYHJ]`g.

H\]gʻUggYgga YbhHUg_ʻWobg]ghgʻoZhk oʻhYghgʻoZYei U``k Y][\h]b["`HYghgʻk]``VY`' \$`a]bgʻYUW\`]b`Xi fUh]ob" HYghdUdYfgʻk]``VY`fYh fbYX`k]h\`a Uf_gʻUbX`Wota a YbhgʻUgʻbYWYggUfm"

Gi Va]gg]cb bchyg.bi

Hi fb]h]b'gYh]b[.'H\]g']g'bchU'Hi fb]h]b'Ugg][ba Ybh

5ggYgga Ybh' . 8]gW gg]cb V`c[

GHUfh'XUhY.

@Yb[h\.: cif'V`c[g'YUW\')\$\$'k cfXg

8YHJ]`g. `Gh XYbhg`k]```VY`fYei]fYX`hc`gi Va]hiZci f`V`c[g`cZ) \$\$`k cfXg`YUVX`Uhh]a Yg`gdYVJZJYX"Gh XYbhg`k]`` VY`[]j Yb`ZYYXVUV_`cb`V`c[g`UZhYf`h\Ym\Uj Y`VYYb`dcghYX"

5XX]h]cbU``XYHJ]`g.

H\]gʻUgg][ba Ybh]gʻgi Va]hhYX'h\fci [\`Hi fb]h]bžgh XYbhgʻXcʻbchgYY'Hi fb]h]bʻg]a]`Uf]hnifYdcfhg

Gi Va]gg]cb bch/g.5 Vc[g'UfY'hc'VY'gi Va]hh/X'j]U'Hi fb]h]b'Uhi‰) - da 'cb'h/Y'Xi Y'XUh/""

Hi fb]h]b'gYh]b[.`H\]g'Ugg][ba Ybh]g'gi Va]hYX'h\fci [\`Hi fb]h]b'UbX'ghi XYbhg'Xc'bchgYY'Hi fb]h]b g]a]`Uf]hmifYdcfhg"

Gi Va]gg]cb cZ5ggYgga YbhHUg_g

Ghi XYbhg UfY YI dYWYX hc di hh\Y]f bUa Yg UbX ghi XYbhbi a VYfg cb Yj YfmdU[Y cZh\Y]f Ugg][ba Ybhg"

Hi fb]h]b Gi Va]gg]cb

Zmci YbWci bhYf'U'dfcV'Ya 'k \Yb'UhYa dhjb['hc'gi Va]hmci f'Ugg][ba Ybhih\fci [\ 'Hi fb]hjbž'd'YUgY hY'Yd\cbY'9I hYfbU'`Gi ddcfhicb'-',) '' ' %cf'Ya U]`'h\Ya 'cb'<u>Yl hYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui</u>"'Gi ddcfh \ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY_XUmg'UbX'-.\$\$Ua '-') .\$\$da 'cb'k YY_YbXg'fl *) 'XUmg'U'mYUfŁ'' Zmci UfY'i bUV'Y'hc'gi Va]hmci f'Ugg][ba YbhXi Y'hc'U'ZJi `hk]h. 'Hi fb]hjb'mci 'a UmUdd`m'Zcf'Ub'Yl hYbg]cbž'Vi hmci a i ghfYhU]b'mci f'hJW_Yhbi a VYf'Zfca '9I hYfbU`'Gi ddcfhifU`cb['k]h. 'Ubmch\Yf'fY'Yj UbhXcW a YbhgŁ'hc]bWi XY'Ug'Yj]XYbWY'hc'gi ddcfhimci f'Yl hYbg]cb'Udd`]WUhjcb'''Zmci 'Ya U]`'9I hYfbU`'Gi ddcfhimci 'k]`` Ui hca UhJWU`mfYWY]j Y'U'hJW_Yhbi a VYfž'Vi h]Zmci 'hY'Yd\cbY'mci 'k]``bYYX'hc'gdYW]ZJWU`mUg_'Zcf'cbY'' ł `G][b]Z]WUbhmUZYWimci f`dYfZcfa UbWi`]b`UggYggUV`Y`k cf_ž`VY`]hU`Zcfa U``YbX!cZigYa YghYf`YI Ua]bUh]cbž`U WUgg`hYghž`U``UVcfUhcfmhYghž`U`gYa]bUf`dfYgYbhUh]cb`cf`Ubmich\Yf`Zcfa `cZUggYgga Ybh'

: cf'Z fh\Yf'XYHJ]`g`]b`fY`UH]cb`rc`GdYW]U``7 cbg]XYfUH]cb`]bWi X]b[`''K \Yb`rc`5dd`mf'Z''<ck`rc`5dd`mf'UbX "Gi ddcfh]b[`8cW a YbHJh]cb"'d`YUgY`fYZYf'rc'h\Y`GdYW]U``7 cbg]XYfUH]cb`rk YVgh]Y.` \hrdg.##gh XYbH'i bgk "YXi "Ui #gdYW]U`!Wcbg]XYfUH]cb

5WUXYa]W<cbYghmUbX^D`U[]Uf]ga

D`U[]Uf]ga `]g`i g]b[`H\Y`k cfXg`cf`]XYUg`cZcH\Yfg`UbX`dfYgYbh]b[`H\Ya `Ug`mci f`ck b"`=hWUb`HU_Y`a Ubm Zcfa gžZfca `XY`]VYfUHY`W\YUH]b[`Hc`UWW]XYbHU``mWcdm]b[`Zfca `U`gci fWY`k]H\ci hUW_bck `YX[Ya YbH'

IBGK [fcidg'd`U[]Uf]ga]bhc h\Y Zc``ck]b[WUhY[cf]Yg.

7 cdm]b[..i g]b[.ih,Y`gUa Y`cf`j Yfmig]a]`Uf`k cfXg`hc`h,Y`cf][.]bU``hYI h`cf`]XYU`k]h\ci hUW_bck `YX[.]b[.ih,Y gci fWF`cf`i g]b[.iei chUh]cb`a Uf_g"`H\]g`U`gc`Udd`]Yg`hc`]a U[.Ygž`Ufh`UbX`XYg][.b`dfc`YWfgž`Ug`k Y```Ug dfYgYbhUh]cbg`k \YfY`gca YcbY`dfYgYbhg`Ubch\Yf`g`]XYUg`cf`k cfXg`k]h\ci hWfYX]hY[.cf]Yg.

- VYHYfaUbU[Y'mcifh]aY
- i bXYfgHUbX mci f`f][\hg`UbX`fYgdcbg]V]`]h]Yg`Ug`U'ghi XYbhUhI BGK
 VY`Uk UfY`cZd`U[]Uf]ga žWcdmf][\hžI BGK `Ghi XYbh7cXY`cZ7cbXi WhUbX`5WW/dHUV`Y`I gY`cZ I BGK `=7 H`F Ygci fWfg`Dc`]Wh

7 ci fgY GWX YXi `Y

<u>J]Yk WUgg'ha YHJV'Y</u>

H]a YHJV`Y'

8 UHY	Hmd Y	7 cbhYbh
K YY_`%`&*`: YVfi Ufm!`(A UfVX	@YWhifY	=bhfcXiWhjcb.`ghiXmjb['∕``]ghYb]b[`hc`kcfX`aig]W/ aig]W∕/`gcWjYhm"
		A Yf\cXg"`A U]b`aig]WU``WcbWYdfg"`Cf\Yf WcbWYdfg.`W``hifU``fY`Uf]j]gažai`hjW``hifU`]gaž Wcgacdc`]fUb]gaž]bfYfW``hifU`]gažgcWJU``ZbWf]cbž gY`Z\ccX"
		- Hihcf]U``fYUX]b[g`k]```VY`UbbcibW¥X`]b`h\Y``YW4ifYg"
K YY_`&.`) `A UfVX`!`%% A UfVX	@YWhifY	
I		l I

	5XUa gʻócXca cʻUbXʻA UbcʻYhYʻA cfU"ʻʻ8cW a Ybhjb[Gdc_YbʻUbXʻGi b[`HYI hgʻcZh\Yʻ8U[UUVUʻcZK Ygh 5Z])WJ"'9a d]f]WJ``A i g]Wcʻc[mF Yj]Yk ʻJ c`" &ž`B c"'' " &\$\$+`fUfh]WYʻUbXʻa i g]WbʻYI Ua dʻYgʻa UmUʻgcʻVY Zci bXʻh\fci [\`h\Yʻcb`]bYʻ9a d]f]WJ``A i g]Wcʻc[m F Yj]Yk ʻUfW\]j YʻUh \hd.## V"cgi "YXi #XgdUWY #\UbX`Y#% %%#&, %) H\YʻZc``ck]b[`Ufh]WYʻdfcj]XYgʻUʻa cfYʻ[YbYfU` fYZYfYbWYʻUbXʻWcbhYI h'Zcf'8U[UUfY`fB cfh\`K Ygh ; \UbUE'a i g]Wk]h\]bʻK Yghʻ5Zf]WJ" >UWéi Y`]bYʻ7 c[XY```8 Y8 YʻfK Yghʻ5Zf]WJ.`Ub]bfrcXi Wh]cbffï H\Yʻ; Uf`UbX`YbWhWcdYX]UʻcZk cfXʻa i g]W``J c`i a Y %``dd"'((&!(+\$"`BYk`Mcf'; Uf`UbX`Di V"ž

H\Y`7iVUb`ea`Wcad`YI`fea`ł_S_TałUbXf[_TSfi

	Hi hcf]U`	F Ya VYh]_UʻZcfa gʻ∕ʻa Yhf]WU` ghfi Whi fYg#XcW a YbhUfm"
K YY_``' \$`5df]``!`*`A U	m @Y₩i fY	H\Y`6`UW_`5hUbHJW(`!`6fUn]`
		°5S°Va_T₩eS_TS∕fdab[US/[S
	Hihcf]U`	8]gWgg]cb`cZ6`c[`("
		DfU₩ĴWU``k.cf_g\cd.`i bXYfgHJbX]b[`'UbX`d`Um]b[`'H\Y` ea``'UbX`dg_ TS WUj Y∕gUa VU`VUhi WJXU`f\mh\a g"
K_YY_`%\$.`+`A_Um'!`% A_Um	@Y₩ni fY	H\Yʻ; cb[ʻ7∖]a YgʻcZGci h\YUgh5g]U. H\Yʻ∉vXcbYg]Ubʻ[Ua Y`Ub
	Hi hcf]U`	DfUWJWU``kcf_g\cd.'h\Y`6U`]bYgY`[UaY`Ub`gYaUf dY[i`]b[Ub`f]b`KYVghYf`fcca''''%2"
K YY_`%&.`&%`A Um'!`&+ A Um	@YW h ifY	Gcb[g'cZd`UWY`UbX'dckYf.

%&``f1%L"

HYbnYfžA]WXUY`

%--%````4S1{`WeW_ge[Už6Yf_Y`Ym`DYf]d`ig'9X]h]cbg"

&\$\$\$````9S_WS`9a`Y=WTkSdFZW3dfaXFiWf[WfZŽ5Wfgdk4S∱WeW?ge[Už7\]WU[c.`Ib]jYfg]hmicZ 7\]WU[c`DfYgg"

ŧ∋X][Ybcigʻ5ighfU`]Ub.

7 cfbž 5 Ufcb

&\$%\$`````"@UbXžGcb[ž7cbgh]hih]cb.`9Id`cf]b[`9IdfYgg]cbg`cZ5bWfghfU``5[YbWhžiebhYfWi`hifU``8]d`caUWhUbX : Ua]`m`@Y[UWhi]b`h\Y`Aig]WcZNch\i`M]bX]`k]h\`AUbXUkimMibid]i""`Babg^Sd?ge[Uh`Jc```&-žBc"`%``dd" ,%%&&"

KYghi5Zf]WU.

A cfUžA Ubc`YhY`UbX`5XUa g`6cXca c"

&\$\$+`````f8cWiaYbhjb[`Gdc_Yb`UbX`Gib[`HYIhg`cZh\Y`8U[UUVU`cZKYgh5Zf]WU"'`7_b[d[US^?ge[Ua^aYk

.....; YfUfX`6Å\U[iYžf5Zfc!6fUn]`]Ub`HfUX]h]cbgf2idd"''(\$!'))"

.....C`Ujc`5`Åb`FcXf][iYnžf77iVUf2idd", &&!, (\$"

Dcfhi [U``UbX'GdU]b.

AUbiY`žDYhYf"`%-,,"`Babg/Sd?ge[UeaXfZW@a`Ž WefWd IadV"`CIZcfX`Ib]jYfg]hmDfYgg"fGdU]bfždd" %&%1%&*"`fDcfhi[U`fžidd"`%%)!%&%"`fifYVWfZid&*!%("

F]\WY`ž`H]ach\mž`>UaYg`DcfhYfž`UbX`7\f]g`;cYfmYbž`YX"

&\$\$\$.....

7ci fgY`9jU`iUh]cb`UbX`8YjY`cdaYbh