



MUSC3705

DYfZcfa UbWV '@JVcfUhc fm7

HYfa `Cby`##`&\$&%

GWcc`cZHAY`5ftg`UbX`A`YXJU`#`1`BGK`..5ftg`UbX`GcWJU`G`WYbWg

7ci fgY`Cj Yfj]Yk

GHJZ'7cbHJW`8YHJ]`g

7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWJhcb	

7ci fgY'8YHJ`g

7fYX]hDc]bHg`(`

Gi a a UfmicZH\Y'7ci fgY

H\Y'UWei]g]hcb'cZ\[\ \miXYj Y'cdYX'Wc`UVcfUhj Y'UbX'dfYgYbhUjcb'g_]`g'g']bWYUg]b[`m]a dcfUbh]b
WcbHYa dcfUfma i g]Wa U_]b['UbX'h'i g'fY`Yj UbhZcf'hY'dfY!dfcZYgg]cbU`hfU]b]b['cZU`"gh XYbhg']b'U`
a U'c'fg'cZH\Y'6A i g'dfc[fUa "'A I G7' +\$) 'DYfZcfa UbW'@UVcfUhcfm7 `]g'h\Y'h\]fXz'UbX'Z]bU'z'DYfZcfa UbW'
@UVcfUhcfmWci fgY'Zc'f'gh XYbhg'Ybfc`YX']b'h\Y'A i g]Wc`c[m]UbX'Gcb]W5fng'a U'c'fg'cZH\Y'6UW\Y'cf'cZ
A i g]Wdfc[fUa "'H\]g'Wci fgY'Vi]Xg'cb'h\Y'h\W\]W'UbX'WYUhj Y'Zci bXU]cbg'XYj Y'cdYX']b'YUF]Yf
DYfZcfa UbW'@UVcfUhcfmWci fgYgZ'UbX'h\Y'Uk UfYbYgg'cZU'fUb[Y'cZa i g]W'`[YbfYg'UbX'dfUW]Wg
YbWci bhYfYX']b'ch\Yf'Wci fgYg]b'h\Y'a i g]Wdfc[fUa "'Gh XYbhg`YUfb'hc'Udd'mW]hW'`]ghYb]b['UbX
fYUX]b[g'cZdYfZcfa UbW'`]hYfUhi fYz'UbX'[U]b'g_]`g'UbX'Yi dYf]YbW'`]b'h\Y'XYj Y'cda YbhUbX'W'fUhc'fg\]d'cZ
]bbcj Uhj Y'[fci d'dYfZcfa UbW'g"

BchY. 'H\]g]g'U'%'&'i C7'Wci fgY"'Mci 'k]'`Ybfc`]b'(`'i C7']b'YUW'cZH\Y'fY'gi WW'ggj Y'hYfa g'k]h'U'fYgi 'h
fYdcfYX'VmU'g]b[`Y[fUXY'Uh'h\Y'YbX'cZH\Y'h\]fX'(`'i C7'Wci fgY"

7ci fgY'@YUfb]b[`Ci hWca Yg

% " 5dd'mW]hW]ga 'UbX'UbU'm]g]cZH\Y'`]hYfUhi fY'cb'dYfZcfa UbW'z'UbX'cZa UghYf'WUgg'dfYgYbhUjcbgZ
hc'h\Y'dfYdUfUjcb'cZH\Y]f'ck b'dYfZcfa UbW'
&" 8Yg][b'UbX'dfYgYbhYZYW] Y'YbgYa V'Y'a UHf]U'`UbX'dYfZcfa UbW'g
' " 5dd'mdf]bW]d'Yg'cZH\Ua kcf_]`hc'a i g]WYbgYa V'Y

HYUW\]b[`GhfUH[]Yg`

⊕kcf_g\cdg'@UVcfUhcfm-'i'%) '\ci fg'YUW'h]a YghYfG]bg]fi a YbU'`UbX'j cW'`gh XYbhg'k]`[U]b
26pp1350ppljuy02ae-006-660i pamt 2esa jLaarua00nchr ya p th d e 5 u E n Q B T l e r g a i r a n c e s

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

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

≠mci`YbWci`bHYf`U`dfcV`Ya`k` \Yb`UHYa`dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`h`fci`[`\`Hi`fb]h]b`z`d`YUgY`
HY`Yd` \cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`"``"``%cf`Ya`Uj`h`Ya`cb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`"Gi`ddcfh`
` \ci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`f1`*)`XUmg`U`mY`Uf2`≠mci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`ZU`i`h`k`]h`Hi`fb]h]b`mci`a`Um`Udd`m`Zc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`
a`i`ghf`YhU]b`mci`f`h]W`Yhbi`a`VYf`Z`ca`9I`HYfbU`Gi`ddcfh`f`U`cb[`k`]h`Ubmc`h`Yf`fY`Yj`Ubh`Xc`W`a`Yb`hg`k`hc`
]b`Wi`XY`Ug`Yj`]XYb`VW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb`≠mci`Ya`Uj`9I`HYfbU`Gi`ddcfhmc`i`k`j`
Ui`hc`a`U]h]W]m`f`Y`W]j`Y`U`h]W`Yhbi`a`VYf`z`Vi`h]Z`mci`HY`Yd` \cbY`mci`k`j`b`YYX`hc`gd`Y`W]Z]W]m`Ug`_`Zc`f`cbY`
Hi`fb]h]b`U`gc`d`fcj`]XYg`i`d`XU`HY`g`cb`h`Y]f`gm`gh`Ya`g`h`U`h`g`cb`Hk`]h`Y`f`"

;`Yb`Yf`U`m`z`Ugg`Ygga`Ybhi`Ug_g`a`i`gh`VY`gi`Va`]h`Y`X`Y`Y`W`f`cb]W]m`j`]U`Y`]h`Y`f`Hi`fb]h]b`cf`U`A`cc`X`Y`
Ugg][`ba`Yb`h`i`h`]b`gh`U`b`V`W`g`k` \Y`fY`h`g`]g`b`ch`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`H`X`cb`mci`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`
U`HY`fb`U`h]`Y`gi`Va`]gg]cb`XY`hU]g`"

:`cf`]b`Z`c`fa`U`h]cb`cb` \ck`hc`gi`Va`]h`Ugg][`ba`Yb`hg`cb`]b`Y`j`]U`A`cc`X`Y`. \`h`d`g`#`gh`XYb`h`i`bgk`"YXi`"Ui`#`ck`!
gi`Va`]h`Ugg][`ba`Yb`h`a`cc`X`Y`"

5 WUXYa]W< cbYgmiUbX`D`U[]Uf]ga

D`U[]Uf]ga `]g`i`g]b[`h`Y`k`cfXg`cf`]XYUg`cZc`h`Yfg`UbX`d`fYgYbh]b[`h`Ya`Ug`mci`f`ck`b``#WUb`hU`_`Y`a`Ubm`
Zcfa`gZ`Zca`X`Y`]VYfU`h`V`X`Y`U`h]b[`h`c`U`W`W`X`Y`b`h`U`m`i`W`c`d`m]b[`Z`ca`U`g`ci`f`W`k`]h`ci`h`U`W`_`b`c`k`Y`X[`Ya`Y`b`h`

I`B`G`K` `[`f`ci`d`g`d`U[]Uf]ga `]b`h`c`h`Y`Z`c``c`k`]b[`W`U`h`Y`[`c`f]Y`g.

7`c`d`m]b[`.`i`g]b[`h`Y`g`U`a`Y`c`f`j`Y`f`m`g]a`]U`f`k`c`f`X`g`h`c`h`Y`c`f][`]b`U`h`Y`h`c`f`]X`Y`U`k`]h`ci`h`U`W`_`b`c`k`Y`X[`]b[`h`Y`

5 WUXYa]WbZcfa Uh]cb

: cfYggYbh]U`gh XYbh]bZcfa Uh]cb fY`Uh]b[`rc.

- fYei Yghg`Zcf`YI H`bg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I BGK `<YU`h`UbX`GUZYfmdc`]WYg/
- YI Ua]bUh]cb`dfcW`Xi fYg/
- gdYW]U`W`bg]XYfUH]cb`]b`hY`Yj YbhcZ]`bYgg`cf`a]gUXj Ybhi fY/
- gh XYbhYei]m]UbX`X]gUV`]m/
- UbX`c`hYf`YggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY

[\fhdg.#k k k "Ufng"i bgk "YXi "Ui #W ffYbh\]gh XYbh\]UWUXYa \]W\]bZcfa Uh\]cb#dfchW`g`\[i \]XY`\]bYg#](#)

⇒ U[Y`7 fYX]h

H\]g:]a U[Y`]g`hY`dfcdYfmicZA cb]W]`6i W`UbXz`W`i fgY`W`bj Ybcf

7F ⇒ CG

7F ⇒ CG`Dfcj]XYf`7cXY.`\$\$\$- ;

5W_bck`YX[Ya YbhcZ7ci bhfm

K Y`UW_bck`YX[Y`hY`6YXY[U`dYcd`Y`k`c`UfY`hY`fUX]h]cbU`W`ghcX]Ubg`cZ`hY`UbXg`cb`k` \]W`I BGK
? Ybg]b[`rcb`W]a`di`g`]g`cW]hYX"