



ARTS1240

9bj]fcba YbhUbX`GcWYIm

HYfa `Hk c`#`&\$&%

7ci fgY`Cj Yfj]Yk

GHJZ7cbHJW`8YHU]`g

7cbj Ybcfg

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@cW]hcb. `GWcc``C Z]WžA cfj Yb'6fck b'6i]X]b[ž@Yj Y`&ž&),

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7fYX]hDc]bHg`*`

Gi a a UfmicZ\hY`7ci fgY

5F HG%&(\$ "9bj]fcb a YbhUbX`GcWYhm` fYVc[b]gYg`hY`i f[YbWnigi ffc i bX]b[`hY`W ffYbhgHUhY`cZ9UfA`
H\]g`Vci fgY`ZcW`gYg`cb`XYj`Y`cd]b[`W]h]WU`]bg][\hg`]brc`hY`li a Ub`X]a Ybg]cbg`cZYbj]fcb a YbH`]ggi YgZ
Zca`Yj YfmXUm]ZYgmY`XYW]g]cbg`hc`Vc`YW]j`Y`VXc]W]g/]bWi`X]b[`]ggi Yg`gi W`Ug`i fVUb
XYj`Y`cda Ybhz`fYgci fW`i`gY`f][\hgZ`YbYf[mUW]W]ggZ`UbX`ZcX`dfcXi`W]cb`"5F HG%&(\$`k`]"`dfcj]XY`mci`k`]h
hc`g`hc`UbU`mgY`ck`W`h`fU`Z`Y`Vc`bca]VZ`UbX`dc`]h]WU`]gmghYa`g`]a dUW]X]ZYfYbhYVc`gmghYa`g`cZk`]\W
li a Ubg`UfY`U`dUfH`9bj]fcb a YbhUbX`GcWYhm]k`]"`Yb[U[Y`mci`k`]h`YI`Ua`d`Yg`cZ`ck`hY`d`UW]g`h`Uhk`Y
g`UfY`k`]h`U`]"`]b[`W]YU]h`fYg`UfY`]bZi`YbW]X`UbX`a`cX]ZYX`VmVc`a`dY]b[`]bH`fYgHg`"H\]g`Vci fgY`U]a`g`hc
]bZc`fa`UbX`YbVci`fU[Y`h`]b_]b[`h`Uh[YbYfU]Yg`c`WU`W`Ub[Y`k`]h`cb[c]b[`]`cVU`]a`dUW]g`"

5F HG%&(\$]g`U`[UHk`UmVci`fgY`]brc`hY`9bj]fcb a YbH`<i a Ub]h]Yg`UbX`]g`U`a`UbXUrcfmVci`fgY`]b`hY
; Yc[fUd\]WU`Gh`X]Yg`a`U`cf`"

7ci fgY`@YUfb]b[`Ci`hVc`a`Yg

%` ÆYbh]Znz`UbU`mgY`UbX`YI`d`U]b`hY`fUb[Y`cZYbj]fcb a YbH`U`dfcV`Ya`g`ZUW]X`VmVc`bhYa`dcfUfm
gcW]Yhm`
&` 7`f]h]WU`]mi]bh]ffc[UH`hY`fY`U]h]cbg\]d`VY]k`YYb`li a Ub`Vc`a`a`i`b]h]Yg`UbX`hY`k`]XYf`Ybj]fcb a YbHg
h`hYm]b\UV]rZ`XfUk`]b[`cb`hY`]bg][\hg`cZa`i`h`d`Y`X]gV]d`]bYg`"
" ` Æ]h]UH`]bXYdYbXYbh]fYgYUfW]Z`k`]h`XYa`cbg]fUH]X`UV`]h]m]hc`UggYa`V`Yz`gmb`h`Yg]gY`UbX
Vc`a`a`i`b]W]hY`Z]bX]b[g`UbX`]bh]fd]fYU]h]cbg`"
(` "5dd`mg_]`g`cZW]h]WU`UbU`mg]gZ`dfcV`Ya`gc`]"`]b[`UbX`]bh]fd]fYU]h]cbZ`hc`]XYbh]Zmi`UbX`YI`d`cfY`_Ym
Ybj]fcb a YbH`W`U`Yb[Yg`"

HYUW]b[`G]fUH] []Yg`

H\Y`Vci fgY`]g`H]i [\hVmk`UmicZU`rk`c`\ci`f`YW]h`fYZ`U`cbY`\ci`f`hi`hc`f]U`UbX`cbY`\ci`f`cZcb`]bY`Vc`bhY`bh`
?`c`V`g]`YI`dYf]Ybh]U`YUfb]b[`W]W]Y`Ug`VYYb`i`gYX`Ug`U`dfc[fUa`a`U]h]W]hYa`d`UH`Zc`f`cf[Ub]g]b[`hY
]bhY[fU]h]cb`cZ`YW]h`fYgZ`h`hc`f]U`g`UbX`Ugg][ba`YbHg`]b`5F HG%&(\$`" ` Æ`YW]h`fYgZ`gh`XYbHg`k`]"`VY`]b]f`cXi`W]X
hc`_YmiVc`bW]dHg`]b`Ybj]fcb a YbH`li a Ub]h]Yg`i`g]b[`]`fci`bXYX`UbX`fYU`!k`cfX`YI`Ua`d`Yg`hc`YbVci`fU[Y
gh`XYbHg`hc`fY`UH`Y`W]h`fY`Vc`bhY`bh]hc`Ybj]fcb a YbH`UbX`gcW]U`dfcW]ggYg`UbX`\UddYb]b[g`cW]W`ff]b[`]b
hY]f`]"`Yg`"Gh`XYbHg`d]fYdUfY`Ub`YggUm]VUgYX`cb`YW]h`fY`h`Ya`Yg`UbX`hY`gi`ddc`f]b[`]h]fU]h`fY`"Hi`hc`f]U`
YI`YfW]gYg`YbVci`fU[Y`gh`XYbHg`hc`]bVc`f`dc`fU]h`]"`]gi`U`]a`U[Yfm]brc`hY]f`i`bXYfgh]UbX]b[`cZVc`a`d`YI
dfcV`Ya`gZ`c`ghY`f`W]h]WU`fYUX]b[`g_]`gZ`UbX`XYVUH`h`hc`f]U`hc`d]Vg]Ua`cb[`hY]f`d`Y`fYg`"5`Z]bU`YI`Ua`]g`i`gYX
hc`YI`Ua`]bY`gh`XYbhVc`a`dfY`Ybg]cb`cZ`YW]h`fY`Vc`bhY`bh]UbX`fYUX]b[g`"H\Y`UggYgga`YbHg`UfY`i`gYX`hc
XYj`Y`cd`gh`XYbHg]k`f]h]b[`UbX`W]h]WU`UbU`mg]g`g_]`g`UbX`UggYgg`Vc`h`hY]f`i`bXYfgh]UbX]b[`cZ`hY`Vci`fgY
hc`d]Vg]UbX`hY]f`UV`]h]m]hc`Vc`bg]f]i`V]h`c[]WU`Uf[i a YbHg`"

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5ggYgga YbhHUg_g

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HU_Y` \ca Y'YI Ua`	(\$i	&) # \$* #&\$&%%%\$\$'DA	%ž'&ž' ž(

8YHJ]g.

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K f]hYb'ZYXVUW_k]`dfcj]XYX'j]U'Hi fb]h]b'k]h'h\Y'i gY'cZU'a Uf_]b['fi Vf]W

Hi fb]h]b'gYh]b[. 'H\]g'Ugg][ba Ybh]g'gi Va]hYX'h'fci [\ 'Hi fb]h]b'UbX'ghi XYbh]Xc'bcHgYY'Hi fb]h]b'g]a]Uf]h]mifYdcfry"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

7 ci fgY`fYUX]b[g`Uj U]UV`Y`j]U`Y[Ubhc

F YWca a YbXYX`F Ygci fWg

GYY`UVcj Y"

7 ci fgY`9j U`i Uh]cb`UbX`8Yj Y`cda Ybh

7 ci fgYg`UFY`dYf]cX]WU`mfYj]Yk YX`UbX`gh XYbHg`ZrYXVUW`]g`i gYX`hc`]a dfcj Y`hYa "`: YXVUW`]g
[UhYfYX`Zca`gh XYbHg`i g]b[`a m9I dYf]YbW`" `h]g`YbWci fU[YX`hUhigh XYbHg`Wca d`YH`hY]f`gi fj Ymg`Vm
UWYgg]b[`hY`dYfgcbU`]gYX`k YV`]b`_j]U`hY`A ccX`Y`Wci fgY`g]h"

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

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

Ʒmci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UHYa` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiHfci`[`\`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`
`lci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`f1`*)`XUmg`U`mY`Uf2`"Ʒmci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiXi`Y`hc`U`Zji`hk`]h`Hi`fb]h]b`mci`a`UmUdd`mZc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`
a`i`ghfYhU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhfU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Ybhtg`L`hc`
]bWi`XY`Ug`Yj`]XYbVW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb`"Ʒmci`Ya`Uj`9I`HYfbU`Gi`ddcfhmc`i`k`]`
Ui`hca`U]WU`mifYW]j`Y`U`h]W`Yhbi`a`VYf`z`Vi`h]Zmci`HY`Yd`cbY`mci`k`]`bYYX`hc`gdYW]Z]WU`mUg`Zc`f`cbY`"
Hi`fb]h]b`U`gc`dfcj`]XYgi`dXUH`g`cb`h`Y]f`gmghYa`g`hU`h`g`cb`Hk`]hYf`"

;`YbYfU`mz`UggYgga`YbhiUg_g`a`i`ghVY`gi`Va`]hYX`Y`YWfcb]WU`mj`]U`Y]h`Yf`Hi`fb]h]b`cf`U`A`ccX`Y`
Ugg][`ba`Ybhi`h]b]bg]h]bVW`g`k` \YfY`h`lg`]g`bchidcgg]V`Yz`]hk`]`VY`ghUHYX`cb`mci`f`Wci`fgY`g`A`ccX`Y`g]h`k`]h`
U`HYfbU]h]`Y`gi`Va`]gg]cb`XYhU]g`"

:`cf]bZcfa`Uh]cb`cb`lck`hc`gi`Va`]hUgg][`ba`Ybhtg`cb]bY`j`]U`A`ccX`Y`.\`hhdg`#gh`XYbhi`bgk`"YXi`"Ui`#ck`!
gi`Va`]hUgg][`ba`Ybhta`ccX`Y`"

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

D`U[]Uf]ga `]g`i`g]b[`h`Y`k`c`f`X`g`c`f`]X`Y`U`g`c`Z`c`h`Y`f`g`i`U`b`X`d`f`Y`g`Y`b`h]b[`h`Y`a` `U`g`m`c`i`f`c`k`b`" `#`W`U`b`h`U`_`Y`a` `U`b`m`
Z`c`f`a`g`Z`Z`c`a` `X`Y`]V`Y`f`U`h`Y` `W`X`Y`U`h]b[`h`c` `U`W`W`Y`X`Y`b`h`U` `m`i`W`c`d`m]b[`Z`c`a` `U`g`c`i`f`W` `k`]h`c`i`h`U`W`_`b`c`k` `Y`X[`Y`a` `Y`b`h`

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

- i bXYfgHUbX'mci f'f][\hg'UbX'fYgdcbg]V]]hYg'Ug'U'gh XYbhUhl BGK
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