

ARTS2383

9h]Wg. 'H\YcfmUbX'DfUWjWY

HYfa 'H\fYY'##'&\$&\$

GWcc``cZ< i a Ub]hYg'UbX'@Ub[i U[Yg'`##' I BGK ``5ftg'UbX'GcWU'`GWYbWYg

7ci fgY`Cj Yfj JYk

GHJZZ7cbHJW`8YHU]`g

7cbj Ybcfg

B Ua Y	9a U]	5j U]UV]J]m	@cW]h]cb	D\cbY
>YfYa mA cgg	^a cgg4 i bgk "YXi "Ui		A 6' &&	- ' ,) &') +

@YW`i fyfg

B Ua Y	9a U]	5j U]UV]J]m	@cW]h]cb	D\cbY
8Ub]Y`6i f_Y]h	XUb]Y`"Vi f_Y]h4 i bgk "YXi "Ui	6miUddc]b]h Ybh	A 6' %	- ' ,) &\$' (

GWXcc``7cbHJW`bZcfa Uh]cb

GWXcc``cZ<i a Ub]h]Yg`UbX`@Ub[i U[Yg

@cW]h]cb. `GWXcc``C Z]W]Z`A cfj Yb`6fck b`6i]X]b[ž`@Yj Y``&ž&),

CdYb]b[`<ci fg.`A cbXUm!`: f]XUmž`- Ua `!`) da

D\cbY. `ž`*%&`-' ,) `%* , %

: U! . `ž`*%&`-' ,) `; , +\$)

9a U]. [\U`4 i bgk "YXi "Ui](#)

7ci fgY'8YHJ]`g

7fYX]hDc]bng`*`

Gi a a UfmicZhY'7ci fgY

þ'h]g'Wci fgY'mci`k`j`Wc]bg]XYf'gca Y'cZhY'a cghdfYgg]b[`dfUW]W]Y'h.]W]`]ggi Yg'ZJW'X'Vm]gcW]Ym]UbX Vm]bX]j]Xi U`dYcd`Y`]b`hY]f`Yj YfmXUm`]j Yg`K`Y`k`j`U`bU`mgY`hY`Yh.]W]`Uf[i`a`Ybng`VY`]bX`]ggi Yg`gi`W`Ug`fVi`hbch`]a`]hY`X`hc`E`W]a`UH`W`X`Ub[Yz`]b`hY`fb`Uh]cbU`U]Xz`hY`a`Uf`_`Y`h`b`Yk``hY`W`bc`c[]Yg`cf`X]gUV`]m`H`Y`Wci fgY`k`j`]b]fcXi`W`mci`hc`_`Ym]Wc]bW]dng`]b`Yh.]W]`gi`W`Ug`fYgdc]bg]V`]mz`↑`gh]W`UbX`k`Y`!`VY]b["Mci`k`j`VY`YbWci`fU[YX`hc`Yi`Ua`]bY`mci`f`ck`b`Yh.]W]`VY`]Yz`]b`hY`] [\`hcZ`h`YgY`Wc]bW]dng`UbX`Wc]bg]XYf`hY`fc`Y`h`UhYh.]W]`W]b`d`Um]b`Yj`YfmXUm`]Z`"

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

%` ÷Ybh]Zm]UbX`Yi`d`U]b`hY`a`U]b`Yh.]W]`]ggi Yg`h`Uh]Uf]gY`k` \Yb`Wc]bg]XYf]b[`hcd]W]`]b`Udd`]YX`Yh.]W]`UbX`ci`f`]bX]j]Xi U`Wc`Y`W]j`Y`cV`][`Uh]cbg`hc`dfcXi`W`Y`ZY`W]j`Y`W`X`Ub[`Y`"
&" 5dd`md\]c]gcd\]W]`a`Y`h`c`Xg`hc`Yi`Ua`]bY`UbX`Yj`U`i`Uh`j`Uf]ci`g`X]a`Ybg]cbg`c`Z`Ub`]ggi Y`d`Y`f]U]b]b[`hc`hcd]W]`]b`Udd`]YX`Yh.]W]`"
'`" 8]gh]b[i`]g` \`UbX`Yj`U`i`Uh`Z`Ua`Yk`cf`_`g`Z`cf`d`Y`fgcbU`UbX`Wc`Y`W]j`Y`XY`W]g]cb`a`U`_]b[`]b`fY`Uh]cb`hc`hcd]W]`]b`Udd`]YX`Yh.]W]`"
(`" F`Y`UX`UbX`Wc`a`dfY`Y`bX`a`U`c`f`d`\]c]gcd\]W]`hY`hg`z`\]g]hcf]W]`UbX`Wc]bhY`a`dcfUf]mz`Yi`Ua`]b]b[`dYfgcbU`UbX`Wc`Y`W]j`Y`a`cfU`cV`][`Uh]cbg`"
)`" K`f]hY`WY`Uf`UbX`Wc`[`Ybh]UbU`mgYg`cZj`Uf]ci`g`]ggi Yg`]b`a`cfU`d`\]c]gcd`\m`"

HYUW]b[`GhfUH[]Yg`

5ggYgga Ybh

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_	K Y][\h	8i Y'8UHŸ	Gh XYbh@YUfb]b[Ci hŸa Yg'5ggYggYX
:]bU`YggUm	* \$i	&+ #/ %& \$& \$' \$(. \$ \$ ' DA	%ž&ž ž(ž)
!WUgg`hYgh	%\$i	&- # \$- #& \$& \$' \$- . \$ \$ ' 5A	%ž&ž
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5ggYgga Ybh8YHU]`g

5ggYgga Ybh% :]bU`YggUm

GHUfhXUHŸ. Bch5dd`WUV`Y

8YHU]`g.

Gh XYbhŸ'k f]h`U`&ž) \$\$'k cfX`YggUm`Gh XYbhŸ'k]`fYW]j Y]bX]j]Xi U`Ÿa a YbhŸ`H\]g`]g`hY`Z]bU`
UggYgga YbhZcf`UHŸbXUbWŸ`di fdcgYg"

Hi fb]hb`gYH]b[. H\]g`Ugg][ba Ybh]g`gi Va]hX`hfc [\ `Hi fb]hb`UbX`gh XYbhŸ`WUb`gYY`Hi fb]hb`ga]Uf]m
fYdcfŸ"

5ggYgga Ybh&. !WUgg`hYgh

GHUfhXUHŸ. Bch5dd`WUV`Y

8YHU]`g.

Gh XYbhŸ`Ÿa d`Yh`U`hYghk]h`g`cfhUbgk Yf`ei Ygh]cbgž`Yei]j U`YbhŸc`WU") \$\$'k cfXg`]b`hŸU`" Gh XYbhŸ'k]`
fYW]j Y`U`a Uf`_`UbX`ZYXVUW`_j]U`]b`WUgg`X]gW`gg]cb`".....

Hi fb]hb`gYH]b[. H\]g`]g`bchU`Hi fb]hb`Ugg][ba Ybh

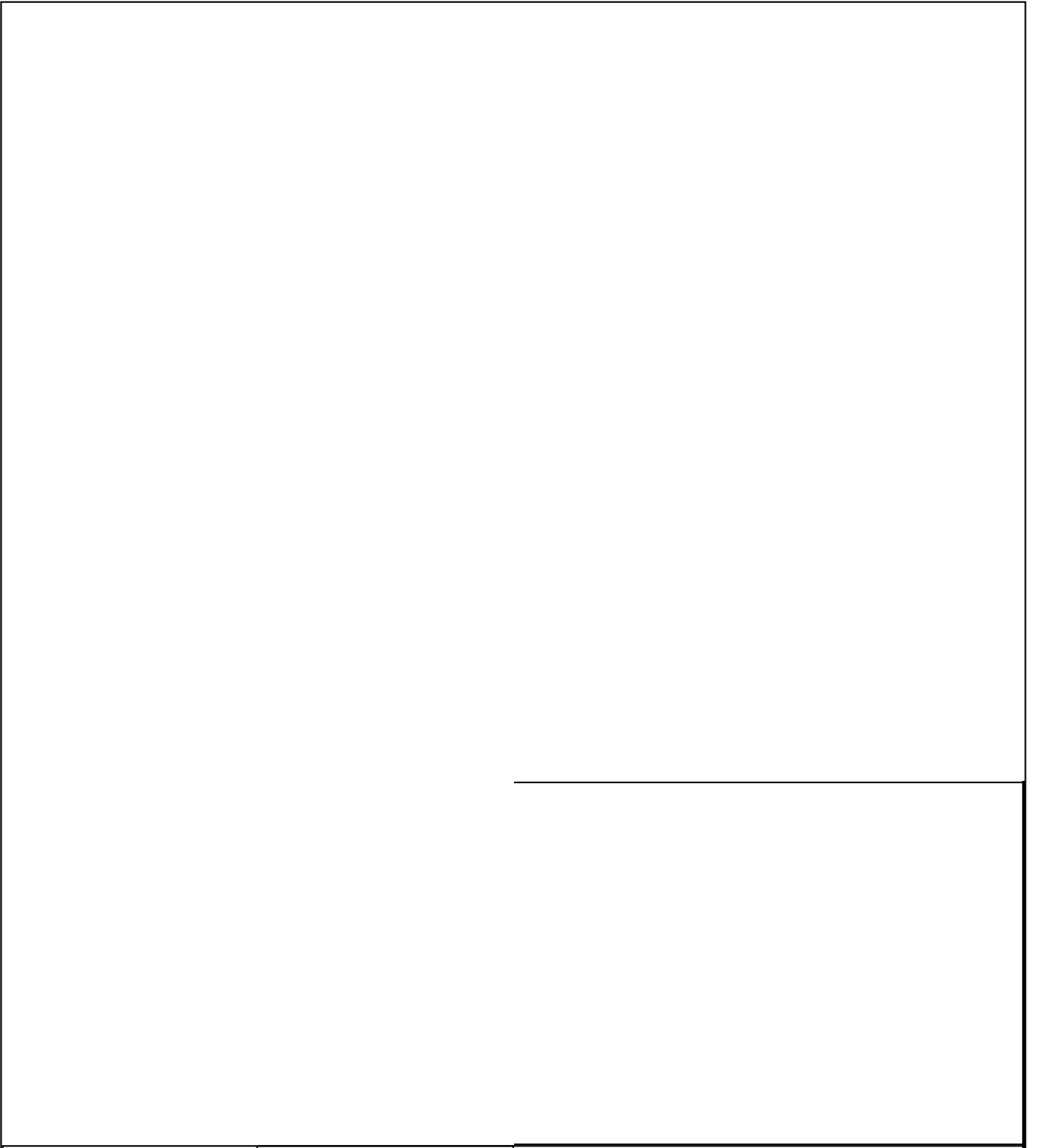
5ggYgga Ybh' . 9ggUm

GHUfhXUHŸ. Bch5dd`WUV`Y

8YHU]`g.

Gh XYbhŸ'k f]h`U`%ž) \$\$'k cfX`YggUm`Gh XYbhŸ'k]`fYW]j Y]bX]j]Xi U`Ÿa a YbhŸ"

Hi fb]hb`gYH]b[. H\]g`Ugg][ba Ybh]g`gi Va]hX`hfc [\ `Hi fb]hb`UbX`gh XYbhŸ`WUb`gYY`Hi fb]hb`ga]Uf]m
fYdcfŸ"



K YY_ ; . '&Bcj Ya VYf! '* Bcj Ya VYf	@YWh fy	K YY_ ; ! ; `cVU`Dcj YfMm`5`X]gW gg]cb`cZ`hY Y`h]WU`]ggi Yg`gi ffc`i bX]b[`[`cVU`dcj YfMz]bW` X]b[`h`Y`cV`][U]cbg`h`U`k`Y`Y`U`W` \Uj`Y`h`c fYgdc`b`X`h`c`gi`V`W`]gYg`Vm[`j`]b[`U]X"
K YY_ '- . '- Bcj Ya VYf! % `Bcj Ya VYf	@YWh fy	K YY_ '- ! `K Uf`UbX`Hc`fh` fY. `5`Vf]YZX]gW gg]cb`cZ h`Y`Y`h]W`c`Z`k`Ufz`Zc`ck`Y`X`Vm`Ub`]b`!`XY`d`h` W`c`bg]XYfU]cb`c`Z`k` \Y`b`!`]Z`Y`j`Y`f`!`h`c`fh` fY`W`b`V`Y a`c`f`U`m`↑`gh]ZYX"
K YY_`%\$.`%*`Bcj Ya VYf! &\$`Bcj Ya VYf	@YWh fy	K YY_`%\$`!`H`Y`9`h`]WU`HfYU`h`Y`b`h`c`Z`5`b]a`U`g.`5 W`c`bg]XYfU]cb`c`Z`k` \U`h`!`]Z`U`b`m`!`]b`h`Y`f`Y`g`h`g`b`c`b`!` \i`a`U`b U`b]a`U`g`a`][` \h` \Uj`Y`z`U`b`X`k` \U`h`f`c`Y`h`Y`g`Y`]b`h`Y`f`Y`g`h`g`

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

BchiUj U]UV`Y

F YWca a YbXYX`F Ygci fWg

H\Y`GHUbZcFX`9bWmWcdYX]U`cZD\]`cgcd\m`[\hdg.#d`Uhc"ghUbZcFX"YXi`#](#)

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

: YYXVUW_.

Gh XYbhg`k]`VY`dfcj]XYX`k]h`U`a Uf`_`Zcf`hY`]b!WUgg`h`gh`E i Ygh]cbg`k]`VY`g\cfhUbgk Yf`UbX`]b`WUgg
ZYXVUW_`k]`VY` []j Yb`"Gh XYbhg`k]`fYW]j Y`]bX]j]Xi U`Wca a Ybhg`UbX`U` [fUXY`Zcf`hY`YggUmWca dcbYbhg
cZhY`Wci fgY`"H\Y` [fUXY`k]`VY`Wcbg]gh`bhk]h` hY`YggUmifi Vf]Wdfcj]XYX`]b`h]g`XcW a Ybh`

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

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

≠mci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UH`Ya` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`h`fci`[`\`Hi`fb]h]b`z`d`Y`Ug`Y`
HY`Yd`cb`Y`9I`HY`fb`U`Gi`ddc`fh`cb`-`,`)`"``"``%`cf`Ya`U]`h`Ya`i`cb`YI`HY`fb`U`HY`hgi`ddc`fh`4`i`bgk`"YXi`"Ui`""Gi`ddc`fh`
`l`ci`fg`Uf`Y`,`.\$`\$Ua`-`-%\$.`\$\$da`i`cb`k`YY`_X`Umg`U`b`X`-`.\$`\$Ua`-`-`).`\$\$da`i`cb`k`YY`_Y`b`X`g`f`l`*)`X`Umg`U`m`Y`U`f`l`"≠mci`
Uf`Y`i`b`U`V`Y`h`c`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`h`c`U`Z`Ji`h`k`]h`Hi`fb]h]b`mci`i`a`Um`U`dd`m`Z`c`f`U`b`YI`HY`bg]cb`z`Vi`hmc`i`
a`i`gh`f`Y`h]b`mci`f`h]W`Y`h`bi`a`V`Y`f`Z`f`ca`9I`HY`fb`U`Gi`ddc`fh`f`U`cb[`k`]h`U`b`m`c`h`Y`f`f`Y`Y`U`b`h`X`c`W`a`Y`b`h`g`k`h`c`
]b`Wi`X`Y`U`g`Y`j`]X`Y`b`W`h`c`gi`ddc`fh`mci`f`YI`HY`bg]cb`U`dd`]W`h]cb`"≠mci`Ya`U]`9I`HY`fb`U`Gi`ddc`fh`mci`k`]`
Ui`h`ca`U`h]W`U`m`f`Y`W`]j`Y`U`h]W`Y`h`bi`a`V`Y`f`z`Vi`h]Z`mci`HY`Y`d`l`cb`Y`mci`k`]`b`Y`Y`X`h`c`g`d`Y`W`Z]W`U`m`U`g`_`Z`c`f`c`b`Y`"
Hi`fb]h]b`U`g`c`d`f`c`j`]X`Y`g`i`d`X`U`h`Y`g`c`b`h`Y`]f`g`m`g`h`Y`a`i`g`h`U`h`g`c`b`H`k`]h`Y`f`"

;`Y`b`Y`f`U`m`z`U`gg`Y`g`ga`Y`b`h`i`U`g`_`g`a`i`gh`V`Y`gi`Va`]h`Y`X`Y`Y`W`f`c`b]W`U`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`c`f`U`A`cc`X`Y`
U`gg][`ba`Y`b`h`i`h`]b`g`h`U`b`W`g`k` \Y`f`Y`h`l`g`]g`b`c`h`d`c`g`g]V`Y`z`]h`k`]`V`Y`g`h`U`h`Y`X`c`b`mci`f`W`c`i`fg`Y`g`A`cc`X`Y`g`]h`k`]h`
U`h`Y`fb`U`h]`Y`gi`Va`]gg]cb`X`Y`h]g`"

:`c`f`]b`Z`c`fa`U`h]c`b`c`b`l`c`k`h`c`gi`Va`]h`U`gg][`ba`Y`b`h`i`c`b`]b`Y`j`]U`A`cc`X`Y`.`h`h`d`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`c`k`!
gi`Va`]h`U`gg][`ba`Y`b`h`i`a`cc`X`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]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wc'dmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5W'W'dhUV'Y'I gY'cZ I BGK '⇒H'F'Ygci f'W'g'Dc'W'h
- VY'Uk UfY'cZ'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dY'W'X'cZYj Yfmcby'j]b'h'Y'I BGK 'W'a a i b]m
- 'cW'W'h'gYfj]W'g'UbX'j]bZ'fa U]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZ'Y'gY'UfY'Ug'k]''VY'ZJa]]Uf'hc'mci ž'c'h'Y'fg'k]''VY'bYk "'; U]b]b['U'gc'X'i bXYfghUbx]b['cZU''h'Y fY'UH'X'UgdY'W'g'cZ9@-G9'k]''\Y'd'mci 'a U_Y'h'Y'a cgh'cZ'mci f'gh X]Yg'Uhl BGK ""

[\h'hd.##gi V'Y'W'i \]X'Y'g''j\]VfUfm'i bgk "Y'X'i "U'i #' \]g'Y'#J'V'ci h' \]g'Y](#)

