

ARTS2383

9hJWg. 'H\YcfmUbX'DfUWjWY

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

GWcc`cZ<i a UbJhYg'UbX'@Ub[i U[Yg'`# 'I BGK `5ftg'UbX'GcWU'`GWYbWg

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	ā 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' %	- ' ,) &\$' (

GW]cc``7cbHJW]bZcfa U]h]cb

GW]cc``cZ<i a Ub]h]Yg'UbX'@Ub[i U[Yg

@cW]h]cb. 'GW]cc``C Z]W]žA 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`Wcbg]XYf'gca Y'cZhY'a cghdfYgg]b[`dfUW]WU`Yh.]WU`]ggi Yg'ZUW'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.]WU`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`cb`U`U]X`z`h`Y`a`Uf`_`Y`h`z`b`Y`k``h`Y`W`bc`c`[]Yg`c`f`X]gUV`]m`H`Y`Wci fgY`k`j`]b`f`c`Xi`W`mci`hc`_`Y`m`W`cb`W`d`hg`]b`Y`h.]Wg`gi`W`Ug`f`Y`g`d`c`b`g]V`]m`z`↑`g`h]W`UbX`k`Y`!`VY]b["Mci`k`j`VY`YbWci`fU[YX`hc`Yi`Ua`]bY`mci`f`ck`b`Y`h.]WU`VY`]Y`Zg`]b`h`Y`][`h`c`Z`h`Y`g`Y`W`cb`W`d`hg`]UbX`W`cb`g]XYf`h`Y`f`c`Y`h`Uh`Y`h.]Wg`W`b`d`Um]b`Yj`YfmXUm`]Z`"

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

%` ÷Ybh]Zm'UbX`Yi`d`U]b`h`Y`a`U]b`Y`h.]WU`]ggi Yg`h`Uh`Uf]gY`k`Y`b`W`cb`g]XYf]b[`h`c`d]Wg`]b`U`dd`]Y`X`Y`h.]Wg`UbX`ci`f`]b`X]j]Xi U`W`c`Y`W]j`Y`c`V`][`U`h]c`b`g`h`c`d`f`c`Xi`W`Y`Z`Y`W]j`Y`W`X`Ub[`Y`"
&" 5dd`md`]c`g`c`d`]WU`a`Y`h`c`X`g`h`c`Yi`Ua`]bY`UbX`Yj`U`i`UH`j`Uf]ci`g`X]a`Y`b`g]c`b`g`c`Z`Ub`]ggi Y`d`Y`f`h]b]b[`h`c`d]Wg`]b`U`dd`]Y`X`Y`h.]Wg`"
' " 8]g]h]b[i`]g`UbX`Yj`U`i`UH`Z`Ua`Yk`c`f`_`g`Z`c`f`d`Y`f`g`c`b`U`UbX`W`c`Y`W]j`Y`X`Y`W]g]c`b`a`U_]b[`]b`f`Y`U`h]c`b`h`c`d]Wg`]b`U`dd`]Y`X`Y`h.]Wg`"
(" F`Y`U`X`UbX`W`c`a`d`f`Y`Y`b`X`a`U`c`f`d`]c`g`c`d`]WU`h`i`h`g`z`]g]h`c`f]WU`UbX`W`cb`h`Y`a`d`c`f`U`f`m`z`Yi`Ua`]b]b[`d`Y`f`g`c`b`U`UbX`W`c`Y`W]j`Y`a`c`f`U`c`V`][`U`h]c`b`g`"
) " K`f]h`Y`W`Y`U`f`UbX`W`c[`Y`b`h`U`b`U`mg`Y`g`c`Zj`Uf]ci`g`]ggi Yg`]b`a`c`f`U`d`]c`g`c`d`]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)
9ggUm	' \$i	%* #/ %& \$& \$' \$(. \$ \$ ' DA	%ž&ž ž(

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`WU`gY`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`YbhŸ`WU`") \$\$'k cfXg`]b`hŸ`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

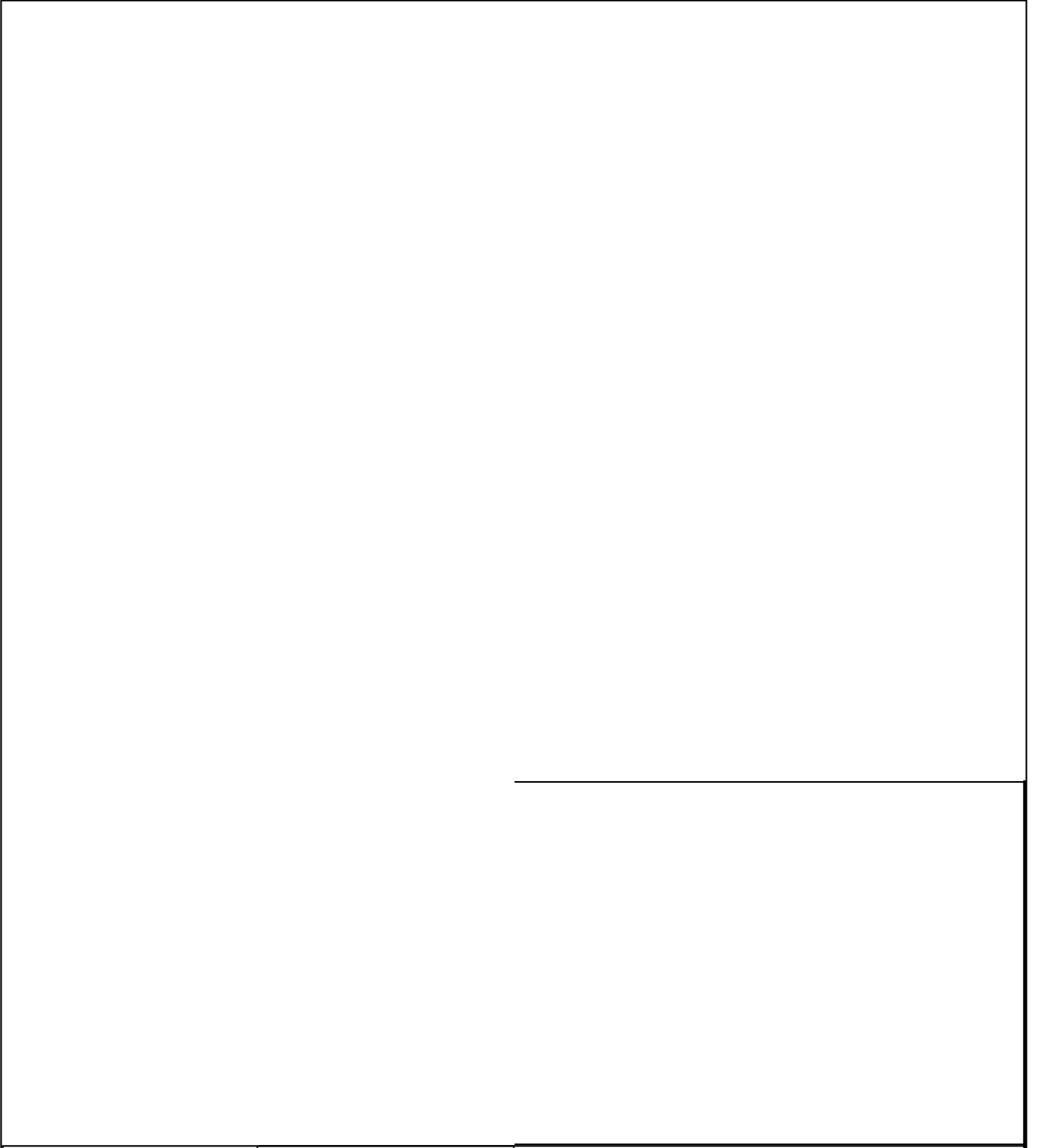
5ggYgga Ybh' . 9ggUm

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`WU`gY`Hi fb]hb`ga]Uf]m
fYdcfŸ"



K YY_ ; . '&Bcj Ya VYf! '* Bcj Ya VYf	@YWh fy	K YY_ ; ! ; `cVU`Dcj Yfm '5`X]gW gg]cb`cZ`hY Y`h]WU`]ggi Yg`gi ffc`i bX]b[`[`cVU`dcj Yfmž]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`Uf`z`z`c`k`Y`X`Vm`Ub`]b`!`X`Y`d`h` W`c`bg]X`Y`f`U`h]c`b`c`Z`k` \Y`b`!`]Z`Y`j`Y`f`!`h`c`fh` fY`W`b`V`Y a`c`f`U`m`↑`g`h]Z`Y`X"
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]X`Y`f`U`h]c`b`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

Ʒmci 'YbWci bHYf'U'dfcV'Ya 'k \Yb'UH'Ya dh]b['hc'gi Va]hmc i f'Ugg][ba YbhiH'fci [\ 'Hi fb]h]bž'd'YUgY
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'-',) " ' ' %cf'Ya U] 'H'Ya 'cb'YI HYfbU'HY'fgi ddcfh4 i bgk "YXi "Ui "'Gi ddcfh
\ci fg'UfY', .\$\$Ua '—%\$.\$\$da 'cb'k YY_XUmg'UbX'-. \$\$Ua '—) .\$\$da 'cb'k YY_YbXg'fI *) 'XUmg'U'mYUfI" Ʒmci
UfY'i bUV'Y'hc'gi Va]hmc i f'Ugg][ba YbhiXi Y'hc'U'Zi 'hk]H'Hi fb]h]b'mci 'a UmUdd'm'Zcf'Ub'YI HYbg]cbž'Vi hmc i
a i ghfYHU]b'mci f'h]W_Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcfhfU'cb['k]H'UbmcH'Yf'fY'Yj UbhXcW a YbHgE'hc
]bWi XY'Ug'Yj]XYbVW'hc'gi ddcfhmc i f'YI HYbg]cb'Udd']W]h]cb" Ʒmci 'Ya U] '9I HYfbU'Gi ddcfhmc i 'k]
Ui 'ca UH]WU'm'fYW]j Y'U'h]W_Yhbi a VYfž'Vi h]Zmci 'HY'Yd\cbY'mci 'k]'b'Y'X'hc'gd'Y'W]WU'mUg_ 'Zcf'cbY"
Hi fb]h]b 'U'gc'dfcj]XYg'i dXUH'g'cb'H'Y]f'gmgh'Ya 'ghU'hi g'cb'Hk]H'Yf"

; YbYfU'mž'UggYgga YbhiHUg_g'a i ghVY'gi Va]H'Y'X'Y'Y'W'fcb]WU'mj]U'Y]H'Yf'Hi fb]h]b'cf'U'A ccX'Y
Ugg][ba YbH' 'b]bg]H'UbVW'g'k \YfY'H'g]g'bc]hd'cgg]V'Yž'hk]'VY'gh'UH'X'cb'mci f'Wci fgY'g'A ccX'Y'g]H'k]H
U'HY'fbUH] Y'gi Va]gg]cb'XYHU]g"

: cf]bZ'fa UH]cb'cb'\ck 'hc'gi Va]hUgg][ba YbHg'cb]bY'j]U'A ccX'Y. \H'hdg.#gh XYbH'i bgk "YXi "Ui #ck!
gi Va]hUgg][ba YbH'a 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]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'Wcdmf][\hžI BGK 'Gh XYbh7cXY'cZ7cbXi WñUbX'5WwdfUV'Y'I gY'cZ I BGK '⇒H'F Ygci fWg'Dc`]Wñ
- VY'Uk UfY'cZñY'ghUbXUfXg'cZVY\Uj]ci f'YI dYWñX'cZYj Yfmcby`]b'hY'I BGK 'Wca a i b]m
- `cWñh'gYfj]Wg'UbX']bZcfa Uhcb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZñYgY'UfYUg'k]`VY'ZJa]]Uf'hc'mci žcñYfg'k]`VY'byk "; U]b]b['U'gc`X'i bXYfghUbx]b['cZU`ñY fY'UH'X'UgdYWñ'cZ9@G9'k]`Y'd'mci 'a U_Y'hY'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\hhd.##ji V'YWñ'i \]XYg" \]VfUfm'i bgk "YXi "Ui #' \]gY#JVci h' \]gY](#)

