



ARTS3290

J]g]&

Y[Yg'cZ i i fY

GWcc``cZ< i a Ub]hYg'UbX'@Ub[i U[Yg'`# ' I BGK '5ftgZ8 Yg][b/ '5fWx]hYVh' fY

7ci fgY`Cj Yfj]Yk

GHJZZ7cbHJW`8YHU]`g

7cbj Ybcfg

B Ua Y	9a U]	5j U]UV]]m	@cWU]cb	D\cbY
GU]\U`6Y`a Yggci g	g"VY`a Yggci g4 i bgk "YXi "Ui	K \]Y`k Y`UFY k cf_]b[`fYa chY`mž d`YUgY`Ya U]`a Y`rc UffUb[Y`U d\cbY#]XYc W`bgi `U]cb	A 6' '\$'	-',) &' * &

GWXcc``7cbHJW`bZcfa U]cb

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

@cWU]cb. GWXcc``C Z]WžA 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]bhr`*`

Gi a a UfmicZ\hY'7ci fgY

H\Y'ghi XmicZYa d]fY`jg`W]h]WU`]b`i bXYfgHUbX]b[`hY`dcghWc`cb]U`dfYgYbhz`hY`fY!Ya Yf[YbW`cZYa d]fYz`
dYfg]gh]b[`dfcV`Ya g`cZ`bX][Ybci g`f][`hg`UbX`hc`Wc`bYa dcfUfmi bXYfgHUbX]b[g`cZ`i a Ub`f][`hg`a cfY`
[YbYfU`m`H\j`Wc`i fgY`k`j`dfcj`jY`U`W]h]WU`YI Ua`]bU]cb`cZ9i fcdYUb`Wc`cb]U`jYc`c[]Yg`UbX`dfUW]W`g`" `h`
k`j`U`gc`ZcW`g`cb`hY`ja dYf]U`YI dYf]YbW`g`cZ`Wc`cb]nYX`dYcd`YgZ`cc_]b[`Uhk`Umg`]b`k` \]W`h`YmYb[U[YX`
k`]h`Ya d]fY`UW`cgg`d`UW`g`UbX`h`a`Y"

9a d]fYg`]b`K`cfX`<]ghcfm]k`j`cZYf`mci`hY`cddcfh`b]m]hc`i bXYfgHUbX`k` \Uh]a dYf]U`]ga`k`Ug`UVci`h` \ck`]h`
W`Ub[YX`hY`ZUW`cZ`hY`k`cfX`UbX`]hg`]a dUW`icb`hY`dfYgYbH`H\Y`Wc`i fgY`k`j`ZJa`]Uf]nY`mci`k`]h`_Ym`
Wc`bW`dhrz`hY`hg`UbX`a`Y`h`c`Xc`c[]Yg`Zc`f`hY`ghi XmicZ`Wc`a`dUfU]j`Y`]a dYf]U`]ga`Ug`k`Y`Ug`YUf`m`a`cXYfb`UbX`
a`cXYfb` \]ghcfm`H\cgY`k` \c`gi`W`ggZ`m`Wc`a`d`Y`H`h`j`Wc`i fgY`k`j`ghfYb[hYb`hY]f`UbU`m]WU`UbX`
fYgYUfW`g`_`g`Ug`k`Y`Ug`hY]f` \]ghcf]WU`_bck`YX[Y"

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

%`5bU`mgY`_YmY] Ybhrz]XYUgZ`dYcd`Y`UbX`fYbXg`]b`]a dYf]U` \]ghcfm`
&`F`YUX`cb[!hYfa`dUfYfbg`]b`Wc`cb]U`]ga`UbX`]a dYf]U` \]ghcfm]UbX`i bXYfgHUbX`hY]f`g][b]ZUWbW`
'`9b[U[Y`k`]h`W]h]WU`XYVUH`g`cb`]a dYf]U`]ga`UbX`]hg`Y[UW]Yg`
(`5bU`mgY`UbX`]bH`fd`fY`h`XcW`a`Ybhr`
)`7cbXi`Wh]bXYdYbXYbhgW`c`Uf`m`Y`bei`]fm`

HYUW`]b[`GhfUH`[]Yg`

H\Y`Wc`i fgY`]g`XYg][bYX`hc`YbWc`i fU[Y`mci`hc`Yb[U[Y`W]h]WU`mik`]h`dUghUbX`W`fYbHXYVUH`g`UVci`h`
9i fcdYUb`]a dYf]U`]ga`UbX`]hg`]a dUW`icb`Wc`cb]gYX`UbX`Wc`cb]g]b[`gcW]Yh]Yg`" `h`k`j`U`gc`]bfcXi`W`mci`hc`
fYW`bh`fYgYUfW`cb` \i a Ub`f][`hg`UbX`hY`f][`hg`cZ`bX][Ybci g`dYcd`Yg`"9UW`k`YY`_`U`gdYW]Z]W]ggi`Y`k`j`VY`
hY`ZcW`g`cZ`hY`fYUX]b[gZ`hY`Y`W`h`fY`UbX`hY`gYa`]bUf`X]gW`gg]cb"

H\Y`fYUX]b[gZ`U`VUgYX`cb`gW`c`Uf`m]hYfU]h`fYz`dfcj`jY`Wc`bH`i`h`U`]bZc`fa`U]cb`"H\Y`cbY!`ci`f`Y`W`h`fY`
dfYgYbhr`9i fcdYUb`j`]g]cbg`cZYa`d]fY`VmYI`d`cf]b[`hY`_Ym]XYUgZ]XYc`c[]Yg`UbX`gm]hYa`g`h`U]hgi`ddcfhYX`
Ya`d]fY!Vi`]X]b[`UbX`a`UbU[Ya`YbH`b`hY`&bX`UbX`" fX` \ci`fgZ`k`Y`k`j`ZcW`g`cb`hY`j`c]W`g`cZYa`d]fY`Vm`
gh`Xm]b[`XcW`a`Ybhr`dfcXi`W`X`Vm`h`cgY`k` \c`j`YX`]b`h`cgY`Ya`d]fYg`fWc`cb]gYX`dYcd`YgZ`cZ]WU`gZ`gYhYfg`
K`Y`U]a`hc`i bXYfgHUbX` \ck`]a dYf]U`gi`V`Y`W`h`YI`dYf]YbW`X`Ya`d]fYz`]b`chYf`k`cfXgZ` \ck`hYmYb[U[Y`k`]h`

5ggYgga Ybh

5`UggYgga Ybfg UfY Wca di `gcfm'

E i Ygh]cbg`hc`7 cbg]XYf`Zcf`h\Y:]Y`Xk cf_`Dfc`YWh

%`DfYgYbh`h\Y`a cbi a Ybh`k \Uh]g`]h3`K \Yb`k Ug`]hVi]h3`K \YfY`]g`]hg]h UhYX`3

&`DfYgYbh`h\Y`\]ghcf]WJ`WcbhYI

Mci`Wb`i`gY`hY`a`Uhf]U`dfcj`jXYX`]b`hY`Wci`fgY`fiYWh`fYg`UbX`h`hf]U`X]gW`gg]cbgE"

:`YYXVUW`_j`jU`]bX]j`]Xi`U`Wca`a`Ybfg"

Hi`fb]h]b`gYh]b[`.`H\]g`Ugg][`ba`Ybh]g`gi`Va`]hYX`h`fci`[\`Hi`fb]h]b`UbX`ghi`XYbfg`Wb`gYY`Hi`fb]h]b`g]a`]Uf]m`fYdcfg"

5ggYgga`Ybh`. `7`Ugg`hYgh`

GhUfhXUhf`. `Bch5dd`]WVY`

@Yb[`h`. `%\$\$`a`]bi`hYg`

8YhU]`g.`

⊖!WUgg`hYgh`cb[`Ubkg`Yf`ei`Ygh]cbg"Gh`XYbfg`fYW]j`Y`U`bi`a`Yf]W`a`Uf`_`UbX`Wcbgi`h`hY`YWh`fYf`Zcf`Z`f`hYf`ZYXVUW`"

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

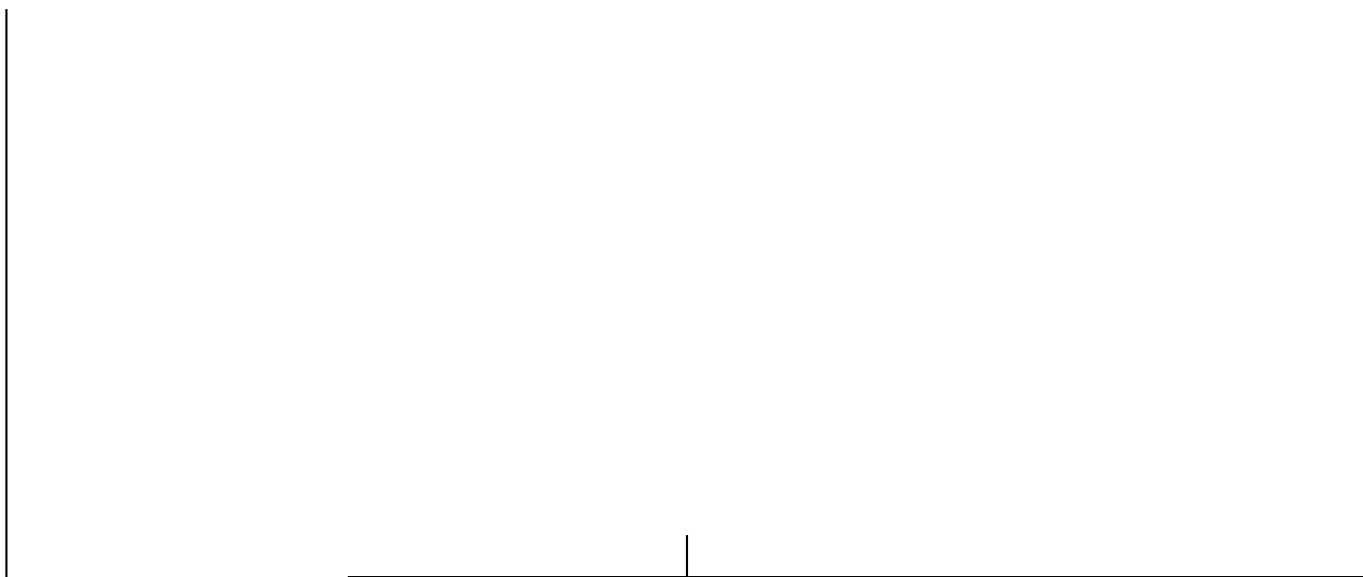
H\Y`]b!WUgg`hYgh]g`fYd`UW`X`k`]h`Ub`cb`]bY`hYgh`h`U`h`k`]`VY`\Y`X`Xi`f]b[`hY`Ugh`h`hf]U`UbX`k`\]W`mci`k`]`gi`Va`]h`h`fci`[\`Hi`fb]h]b"

@Yb[`h`. `%\$\$`a`]bi`hYg"

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

5 hYbXUbW`F Yei]fYa Ybhg

5 hYbXUbW`cZHi hcf]U'g`



F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

K YY_ma UbXUhcfmfYUX]b[g`UfY`Uj U]UV`Y`cb`A ccX`Y"

F YWca a YbXYX`F Ygci fWg

Mci`g\ci`X`Vi mi<YUHfYf`GfYYfG!GU`Hf`UbX`HfYj`cf`F`"; Ymž7_ b[dWé S`V 5a`a` [Mè [fZW? aVWd`I`adV,
3 9`a`TS^B`Wé`b`Wf]h`Wf`B`Yk`Mcf`_`C`I`Zcf`X`I`b`j`Yfg]mDfYggž`&`\$`%`&`H`[g`Vcc`_]g`Uj`U]UV`Y`Uh`h`Y`I`BGK
6cc`g`h`c`f`Y`"H`Y`f`Y`U`f`Y`U`gc`U`Wé`i`d`Y`c`Z`Wé`d`]Yg`i`b`h`Y`<I`7`U`h`h`Y`"VfUfm`I`b`Z`f`h`b`U`h`m`h`h`Y`f`Y`]g`bc`Y!
Wé`d`m`Uj`U]UV`Y`"

=U`gc`f`Y`Wé`a`a`YbX`>UbY`6i`fVUb`_`UbX`:`fYXYf]W`7`ccdYfž7_ b[dWé [I`adV`:`[efack, Bai`Wd`S`V`fZW`Ba`f]Ue
aX6`[X`W`W`U`W`f`D`f]b`W`h`c`b`_`D`f]b`W`h`c`b`I`b`j`Yfg]mDfYggž`&`\$`%`&`/UbX`?`f]g`Ub`?`i`a`Ufž7_ b[dWé, 3`:`[efad]US^
S`V`Ba`f]US^E`a`U[a`a`Yk`f7`Ua`Vf]X[`Y`_`Dc`]mDfYggž`&`\$`%`&`"

5XX]h]cbU`fYUX]b[g`cb`k`YY`_`m`h`c`d]Wg`W`b`V`Y`Z`c`i`b`X`c`b`h`Y`A`ccX`Y`Wé`i`fgY`dU[`Y`"

7ci fgY`9j U`i`U`h]cb`UbX`8Yj`Y`c`d`a`Y`b`h`

Gh`XYbhZYXVUW`_`k`]`V`Y`[`U`h`Y`f`Y`X`j`]U`A`m`9`I`d`Y`f`]Y`b`W`U`h`h`Y`Y`b`X`c`Z`h`Y`Wé`i`fgY`UbX`h`f`c`i`[`\`U`V`f]Y`Z]b!WUgg
Yj`U`i`U`h]cb`X`i`f]b[`h`Y`f]a`Y`g`h`f`"

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`Ybhi`h`fci`[`\`Hi`fb]h]b`z`d`Y`UgY`
HY`Yd`\\cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`"``'``%cf`Ya`Uj`h`Ya`icb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`""Gi`ddcfh`
\\ci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`icb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`icb`k`YY`YbXg`f1`*)`XUmg`U`mY`Uf2`Ʒmci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Zi`h`k`]h`Hi`fb]h]b`mci`a`Um`Udd`m`Zc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`
a`i`gh`fY`hU]b`mci`f`h]W`Yhbi`a`VYf`Z`ca`9I`HYfbU`Gi`ddcfh`f`U`cb[`k`]h`Ubmc`h`Y`f`fY`Yj`Ubh`Xc`W`a`Yb`hg`L`hc`
]b`Wi`XY`Ug`Yj`]XYb`V`hc`gi`ddcfh`mci`f`YI`HYbg]cb`Udd`]W`h]cb`"Ʒmci`Ya`Uj`9I`HYfbU`Gi`ddcfh`mci`k`j`
Ui`hc`a`Uh]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`h`g`cb`h`Y]f`gm`gh`Ya`g`h`U`h`g`cb`Hk`]h`Y`f`"

;`YbYfU`m`z`UggYgga`YbhiHUg_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`-`h`]bg`h`Ub`W`g`k`\\Y`fY`h`g`]g`b`ch`d`c`gg]V`Y`z`]h`k`j`VY`g`h`U`h`X`cb`mci`f`W`ci`fg`Y`g`A`cc`X`Y`g`]h`k`]h`
U`h`Y`fb`U`h]`Y`gi`Va`]gg]cb`X`Y`hU]`g`"

:`cf`]b`Z`fa`Uh]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`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
-

5 WUXYa]W=Zcfa Uh]cb

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[`tc.