



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\jg'Wc'i fgY'k]`dfcj]XY'U'W]h]WU'`YI Ua]bUh]cb'cZ9i fcdYUb'Wc`cb]U'`]XYc`c[]Yg'UbX'dfUW]W'g" `# k]`U'gc`ZcW'g'cb'hY'ja dYf]U'`YI dYf]YbW'g'cZWc`cb]nYX'dYcd'YgZ`cc_]b['Uhk Umg']b'k \]W'hYmYb[U[YX k]h`Ya d]fY'UW'cgg'd'UW'g'UbX'h]a Y"

9a d]fYg']b'k cfX`<]ghcfm]k]`cZYf'mci 'hY'cddcfh] b]mhc'i bXYfgHUbX'k \Uh]a dYf]U'`]ga 'k Ug'UVci hz`\ck]h W\Ub[YX'hY'ZUW'cZ'hY'k cfX'UbX']hg]a dUW'cb'hY'dfYgYbH'hY'Wc'i fgY'k]`ZJa]]Uf]nY'mci 'k]h`_Ym Wc`bW'dhgzh]h] hg'UbX'a YhlcXc`c[]Yg'Zc'f'hY'ghi XmicZWc'a dUfU]j Y'ja dYf]U'`]ga 'Ug'k Y`Ug'YUf'm]a cXYfb'UbX a cXYfb`\]ghcfm'H\cgY'k \c'gi W'W'ggZ `m'Wc'a d'YH'h\jg'Wc'i fgY'k]`ghfYb[hYb'hY]f'UbU'm]W'`UbX fYgYUfW'g_]g'Ug'k Y`Ug'hY]f'\]ghcf]W'`_bck`YX[Y"

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

%` 5bU'mgY`_YmY] Ybhrz]XYUgZ'dYcd`Y'UbX'hfYbXg']b'ja dYf]U'`\]ghcfm &" F YUX`cb[!hYfa `dUhfYfbg]b'Wc`cb]U'`]ga `UbX'ja dYf]U'`\]ghcfmUbX'i bXYfgHUbX'hY]f'g][b]ZUWbW' " 9b[U[Y'k]h`W]h]WU'`XYVUhY'g'cb'ja dYf]U'`]ga `UbX']hg'`Y[UW]Yg (" 5bU'mgY'UbX']bH'fdYhXcW`a Ybhr)" 7cbXi W]h]bXYdYbXYbhrW\c`Uf'mYbei]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`ffYbhXYVUhY'g'UVci h 9i fcdYUb'ja dYf]U'`]ga `UbX']hg]a dUW'cb'Wc`cb]gYX'UbX'Wc`cb]g]b[`gcW]Yh]Yg" `#k]`U'gc']bfcXi W'mci `hc fYW'bhfYgYUfW'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]`VY hY'ZcW'g'cZ'hY'fYUX]b[gZ'hY'`YW]h'fY'UbX'hY'gYa]bUf'X]gW'gg]cb"

H\Y'fYUX]b[gZ'U`VUgYX'cb'gW\c`Uf'm]hYfU]h fYzdfcj]XY'Wc`bH]i h U'`]bZc'fa Uh]cb" `H\Y'cbY!\ci f`YW]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'hUhigi ddcf]hYX Ya d]fY!Vi]X]b[`UbX'a UbU[Ya YbH'`b'hY'&bX'UbX" fX`\ci fgZk Y'k]`ZcW'g'cb'hY'j`c]W'g'cZYa d]fY'Vm ghi Xn]b[`XcW`a Ybhr]dfcXi W'X'Vm]hcgY'k \c`j] YX']b'hcgY'Ya d]fYg'fWc`cb]gYX'dYcd'YgZ`cZ]W]U'gZ'gYhYfg` K Y'U]a `hc'i bXYfgHUbX`\ck]ja dYf]U'`]gi VYW]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`]U`]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"

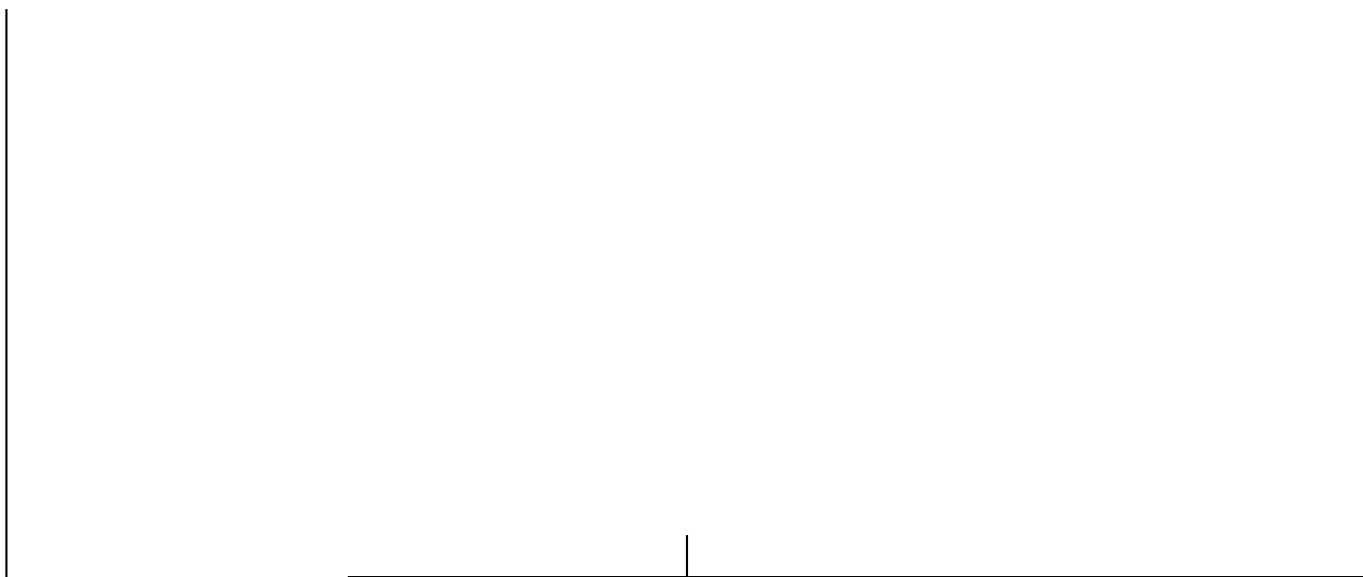
@Yb[`h`. `%\$\$`a`]bi`hYg"

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`à` [Mè [fZW? aVWd`I`adV,
3 9`àTS^B`Wé`bWUf[hWfBYk`Mcf_`C`I`ZcfX`I`b]j`Yfg]mDfYggž`&\$%`L`H\]g`Vcc_`]g`Uj`U]UV`Y`Uh`h`Y`I`BGK
6cc_g`hcfY`"H\YfY`UfY`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`dmiUj`U]UV`Y"

=U`gc`f`Y`Wé`a`a`YbX`>UbY`6i`fVUb_`UbX`:`fYXYf]W_`7`ccdYfž`7_`b[dWé`[`I`adV`:`[efack, Bai`Wd`S`V`fZW`Ba`f]Ue
aX6`[XWdW`UWfDf]bW`h`cb.`Df]bW`h`cb`I`b]j`Yfg]mDfYggž`&\$%`L`/UbX`?`f]g\Ub`?`i`a`Ufž`7_`b[dWé,`3`:`[efad]US^
S`V`Ba`f]US^E`aU[a`à`Yk`f7`Ua`Vf]X[`Y.`Dc`]mDfYggž`&\$%`L"

5XX]h]cbU`fYUX]b[g`cb`k`YY_`m`h`cd]Wg`WUb`VY`Z`ci`bX`cb`h`Y`A`ccX`Y`Wé`i`fgY`dU[`Y"

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

Gh`XYbhZYXVUW_k`j`VY`[`U`h`Y`f`Y`X`j`]U`A`m9I`dYf]YbW`U`h`h`Y`Y`b`X`c`Z`h`Y`Wé`i`fgY`UbX`h`f`ci`[\`U`Vf]YZ]b!WUgg
Yj`U`i`Uh]cb`Xi`f]b[`h`Y`f]a`Ygh`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`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`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`h]b`mci`f`h]W`Y`hbi`a`VYf`Z`ca`9I`HYfbU`Gi`ddcfh`f`U`cb[`k`]h`Ub`mci`h`Y`f`f`Y`Yj`Ub`h`Xc`W`a`Y`b`hg`k`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`U`h]W`m`f`Y`W`j`Y`U`h]W`Y`hbi`a`VYf`z`Vi`h]Z`mci`HY`Yd`cbY`mci`k`j`b`Y`Y`X`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`g`mg`h`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`h`b]b`gh`U`b`W`g`k`Y`f`Y`h`g`]g`b`ch`d`c`g`g]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`XY`h]g`"

:`cf`]b`Z`fa`U`h]cb`cb`\`ck`hc`gi`Va`]h`Ugg][`ba`Yb`hg`cb]b`Y`j`]U`A`cc`X`Y`.`h`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.