

ARTS3453

DfcZYgg]cbU`7 \]bYgY`6

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

GWXcc`cZ<i a Ub]hYg`UbX`@Ub[i U[Yg`#`i BGK `5ftgz8 Yg][b/ `5fWX jhYWh fy

--

7ci fgY'8YHJ`g

7fYX]hDc]bhr *`

Gi a a UfmcZhY'7ci fgY

H\]g`Wci fgY'dfcj]XYg'U'dfcZYgg]cbU''Yj Y'dfc[fUa `]b'7 \]bYgY''Ub[i U[Y'UbX'W`hi fY'gh X]Yg''#i]g
XYg][bYX'Zc'f'gh XYbhr'YbhYf]b[`hY'7 \]bYgY'dfc[fUa `UhihY'dfcZYgg]cbU''Yj Y''#iU'gc'gYf] Yg'Ug'Ub
cdh]cbU`Wci fgY'Zc'f'hcgY'k \c'\Uj Y'Wca d'YhX'5Xj UbWX'7 \]bYgY'6'f5F HG' ()%`H\Y'a YX]i a `cZ
]bghf] W]cb`]g'7 \]bYgY''6migh Xn]b['U'k]XY'fUb[Y'cZHYI hg'hUhg\ck WUgY'hY'i gY'UbX'Yj c'i h]cb'cZ
j YfbUW'Uf'7 \]bYgY'Z'mci `k]`Wcb]bi Y'hc']a dfcj Y'mci f']bhY[fUHYX''Ub[i U[Y'g_]`gZ'YgdYW]U`midfcZ]W]YbWn]b
fYUX]b[`UbX'k f]h]b[žUg'k Y''Ug'XYj Y'cd'U'gYbgY'cZhY'W`hi fU`\]gtrfmcZ7 \]bYgY''Ub[i U[Y''

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

%` Wca a i b]WUHY'k]h'U'\[\`Yj Y'cZdfcZ]W]YbWn]b'7 \]bYgY''Ub[i U[Y
&' X]gW'gg`Wca d'YI `gi V'YWha UHYfg]b'Vch'gdc_Yb'UbX'k f]hYb'7 \]bYgY
' " UbU'mgY'gcd\]gh]WUHYX'hYI hg'UbX']XYbh]Zmj Ufm]b[''Ub[i U[Y'gmYg'UbX'fY[]ghYfgZ'UbX'Udd'mhYa `]b
YZZ'W]j Y'Wca a i b]WU]cb
(" i gY'UbU'm]W]`UbX'W]h]WU'h]b_]b[`g_]`g
)" YI d'U]b'hY'W`hi fY'UbX'\]gtrfmcZ7 \]bYgY''Ub[i U[Y''

HYUWX]b[`GhfUHY[]Yg`

#XYg][b]b[`h]g`Wci fgY'Zk Y'\Uj Y'fU_Yb']bhc'UW`Wci bh'hY'f]WX'\]gtrfmiUbX'W`hi fU'Z'`b[i]gh]WX]j Yfg]fmcZ
hY'7 \]bYgY''Ub[i U[Y'Z'Ug'k Y''Ug'hY'a i `h]d']W]fmcZ`Wca a i b]WU]cb'a cXYg'Vfci [\hU'Vci hVm[`cVU']gU]cb
UbX'hY'WX'bc'c[]WU'UXj UbW'g''K Y'VY']Yj Y'hY'gY'Z]W'c'fg'\Uj Y'U[fYUh]a dUW'h]cb''hY'fUHY'dfUW]W'g''H\fc[[\
gh Xn]b[`hY'k]XY'fUb[Y'cZHYI hgZ'YUfb]b[`hY'f'W`hi fU'UbX'\]gtrf]WU'Wcb]hYI hg'UbX'dfUW]W]b[`gdYW]U'm
XYg][bYX''Ub[i U[Y'UbX'fYgYUfWX'YI YfW]gYg]b'hY''YWh'fYg'UbX'hi hc]f]U'gZ'mci `k]`UWX]Yj Y'a i `h]'hY'fUW]Ug
k Y''Ug'Wca a i b]WU]j Y'Wca d'YhY'bW''Mci `k]`XYj Y'cd'Ub'i bXY'fghUbX]b[`cZ7 \]bYgY'W`hi fY'Z'gcW]YhmUbX
k c'f'Xj]Yk gZ']b'dUf]W'Uf'hY'\]gtrfmcZ7 \]bYgY''Ub[i U[Y''

5ggYgga Ybh

5ggYgga YbhHUg_g

5ggYgga YbhHUg_	K Y][\h	8i Y'8UH	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX
HYghg'	(\$i	HYgh%]b'h hcf]U`k YY_) / HYgh&]b'h hcf]U`k YY_`%\$	%ž&ž' ž(
; fci d'fYgYUfW`dfc`YWh	(\$i	DfYgYbH]cbg`Xi Y`k YY_- / fYgYUfW`dUdYf`k YY_`%\$	%ž&ž' ž(ž)
Cb`]bY`E i]n'	&\$i	k YY_` /k YY_) /k YY_` / k YY_`%\$	%ž&ž'

5ggYgga Ybh8YHJ]`g

5ggYgga Ybh%`HYghg

8YHJ]`g.

Gh XYbhg`Wta d`Yh`k c`hYghg`fWU`%)` \ci fE]bW] X]b[`g\cfh`UbX`cb[Yf]Ubkg Yf`ei Ygh]cbg`A]X!hYfa`&\$i ž 9bX!cZ]hYfa`&\$i` "Gh XYbhg`fYW]j Y`U`a Uf_`UbX`W]b`Wcbg]`h`hY`YWh`fYf`Zc`Z`f`hYf`ZYXVUW`"

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

5ggYgga Ybh&.`; fci d'fYgYUfW`dfc`YWh

8YHJ]`g.

DfYgYbH]cb`*`a]bi hYg`dYf`dYfgcbž&\$i /fYgYUfW`dUdYf`%\$\$\$!%(\$ \$`WUfUW`fYg`dYf`dYfgcbž&\$i` "

Gh XYbhg`Zcfa`]bhc[fci dg`VUgYX`cb`gi [[YghYX`hcd]Mg`h`UhUfY`YI`hYbg]cbg`cZ`hY`hYI`hg`"H\YmfYgYUfW` UbX`X]gW`gg`hY`hcd]Wg`hc[Y`hYfz`Vi`hYUW`dfYgYbH]`UbX`k`f]hYg`cb`cbY`dUfhcZ`hY]f`fYgYUfW`" `A`Ya`VYfg`cZ` hY`[fci d'fYW]j Y`cbY`a Uf_`"

H\]g]g`hY`Z]bU`UggYgga YbhZc`f`UH]bXUbW`di`fdcgYg`"

Hi fb]h]b`gYH]b[. H\]g]Ugg][ba Ybh]g]gi Va]hYX`h`fci [\`Hi fb]h]b`UbX`gh XYbhg`W]b`gY`Y`Hi fb]h]b`g]a]`Uf]m` fYdcfng`"

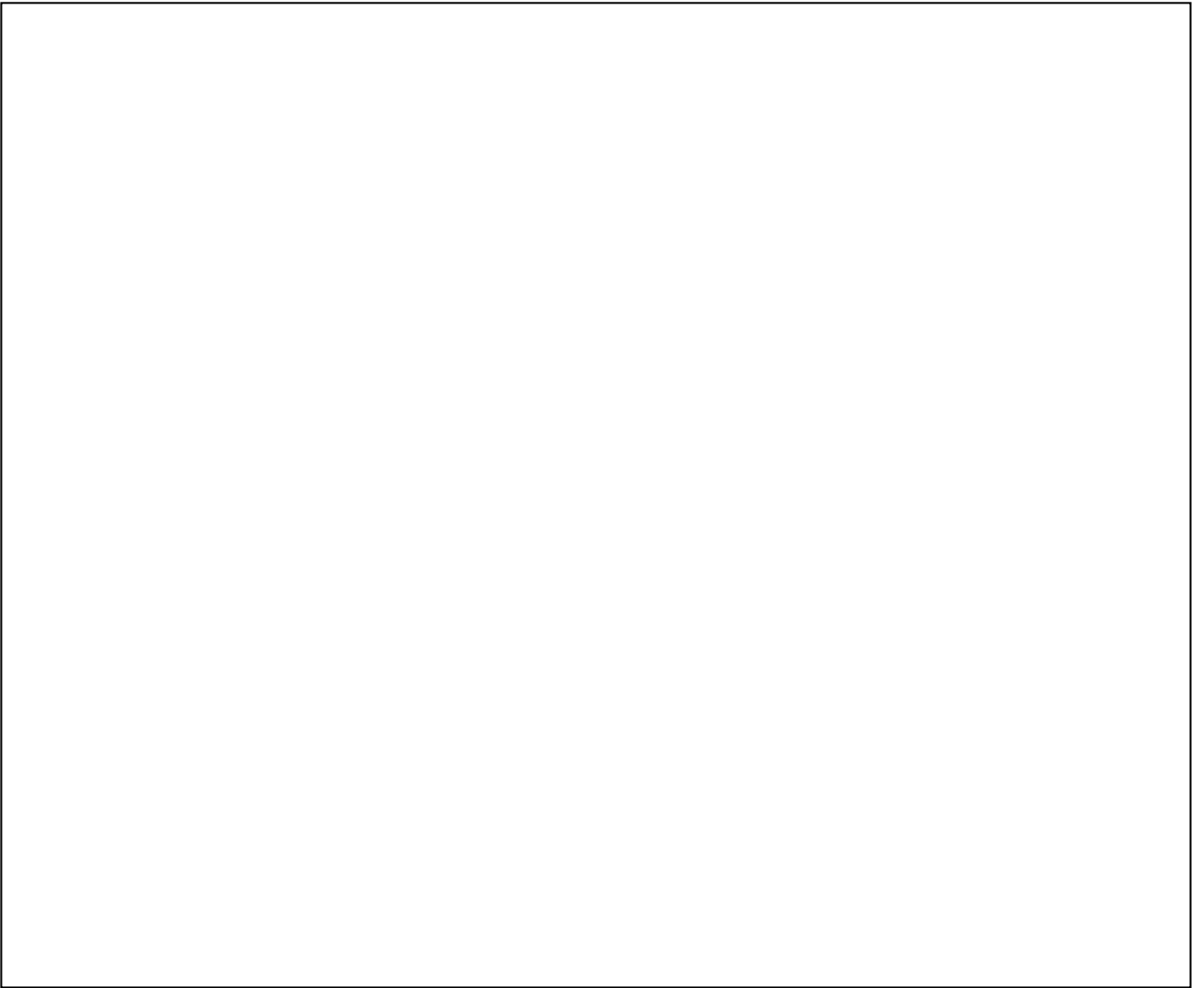
5ggYgga Ybh' . Cb`]bY`E i]n

GhUfhXUH. `Bch5dd]WUV`Y

8YHJ]`g.

6]k YY_`m`Ub[i U[Y`YI`YfW]gYg`Zc`ck]b[`hY`Wta d`Yh]cb`cZYUW`"Yggcb`hc`UggYgg`a`UghYfmcZ]`cW]Vi`Ufmž` [fUa`a`Ufz`gYbhYbW`dUH]fbž`Wta`dfY`Ybg]cb`UbX`chYf`Ub[i U[Y`fY[]ghYfg`"

A Uf_YX'cb]bY"Gh XYbhg`WJb`Wcbgi`h\Y`YWh fyf`Zcf`ZYXVUW_



F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

HfI hcc_`8YhU]`g

5`fYUX]b[`a Uhf]U`g`k]`VY`Uj U]UV`Y`Zf`Xck b`cUX`cb`hY`7 ci fgY`A ccX`Y"

F YWca a YbXYX`F Ygci fWg

5XX]h]cbU`F YUX]b[g

5XX]h]cbU`F YUX]b[g`Wb`U`gc`VY`Zci bX`cb`hY`7 ci fgY`A ccX`Y"

K YVg]h]g

- F YZfYbW]b[`gm]h]a g

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`cb`Y`9I`HY`fb`U`Gi`ddc`fh`cb`-`,`)`"``"``%`cf`Ya`Uj`h`Ya`i`cb`YI`HY`fb`U`HY`hgi`ddc`fh`4`i`bgk`"YXi`"Ui`"Gi`ddc`fh`
`l`ci`fg`UfY`,`.\$`\$Ua`-`-%`\$.\$`\$da`i`cb`k`YY`_X`Umg`U`bX`-`.\$`\$Ua`-`).`.\$`\$da`i`cb`k`YY`_Y`bX`g`f`l`*)`X`Umg`U`m`Y`U`f`l`"Ʒmci`
UfY`i`b`UV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`Ybhi`Xi`Y`hc`U`Z`Ji`h`k`]h`Hi`fb]h]b`mci`a`Um`Udd`m`Z`f`U`b`YI`HY`bg]cb`z`Vi`hmc`i`
a`i`gh`f`Y`h]b`mci`f`h]W`Y`hbi`a`VY`f`Z`ca`9I`HY`fb`U`Gi`ddc`fh`f`U`cb[`k`]h`U`b`m`c`h`Y`f`f`Y`Yj`U`b`h`X`c`W`a`Y`b`h`g`k`h`c`
]b`Wi`XY`U`g`Y`j`]X`Y`b`W`hc`gi`ddc`fh`mci`f`YI`HY`bg]cb`Udd`]W`h]cb"Ʒmci`Ya`Uj`9I`HY`fb`U`Gi`ddc`fh`mci`k`j`
Ui`h`ca`U`h]W`m`f`Y`W`j`Y`U`h]W`Y`hbi`a`VY`f`z`Vi`h]Z`mci`HY`Yd`cb`Y`mci`k`j`b`Y`Y`X`hc`gd`Y`W`Z`W`m`U`g`_`Z`f`c`b`Y`"
Hi`fb]h]b`U`gc`d`fc`j`]X`Y`g`i`d`X`U`h`Y`g`c`b`h`Y`j`f`g`m`g`h`Y`a`i`g`h`U`h`g`c`b`H`k`]h`Y`f`"

;`Yb`Y`f`U`m`z`U`gg`Y`g`g`a`i`gh`V`Y`gi`Va`]h`Y`X`Y`Y`W`f`c`b]W`m`j`]U`Y`]h`Y`f`Hi`fb]h]b`c`f`U`A`cc`X`Y`
Ugg][`ba`Yb`h`i`h`]b`g`h`U`b`W`g`k`Y`f`Y`h`g`]g`b`c`h`d`c`g`g]V`Y`z`]h`k`j`V`Y`g`h`U`h`X`c`b`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`h]g`"

:`c`f`]b`Z`c`f`a`U`h]c`b`c`b`l`c`k`hc`gi`Va`]h`Ugg][`ba`Yb`h`g`c`b]b`Y`j`]U`A`cc`X`Y`.\`h`d`g`#`g`h`X`Y`b`h`i`bgk`"YXi`"Ui`#`c`k`!
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]WbZcfa Uh]cb

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

- fYei Ygh]Zcf`YI H`bg]cb/
- `Uh`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I B GK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua]bUh]cb`dfcW`Xi fYg/
- gdYW]U`W`bg]XYfUh]cb`]b`hY`Yj YbhcZ]`bYgg`cf`a]gUXj Ybh fY/
- gh XYbhYei]mUbX`X]gUV`]m/
- UbX`c`hYf`YggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY