



ARTS2698

ðhYfW`h`fU`ðhYfUW]cb

HYfa`C`bY`#`&\$%



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

7ci fgY`Cj Yfj JYk

`GHUZZ7cbhUWhi8YHUJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@WWhcb	D\cbY
5b]i` < Uhcgg	U"Uhcgg4 i bgk "YXi "Ui	H\i fgXUmj %da !' da	A cfj Yb`6fck b &&\$	\$& - ' ,) , ' (\$

`Hi hcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@WWhcb	D\cbY
F Uma cbX; Uhm	\U`4 i bgk "YXi "Ui	H"V"U"		

GWXcc``7cbhUWhi`bZcfa Uhjcb

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

@WWhcb. `GWXcc``C ZWZ`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 Uj`. [\U`4 i bgk "YXi "Ui](#)

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`*`

Gi a a UfmicZ\hY'7ci fgY

Gi VYWh5fYU.`>[Yg[ef]Ue

H\]g`Wci fgY`j]Yk g`]bHfUW]cb`Ug`hY`a UbU[Ya YbhcZWca a i b]WU]cbz`]bW X]b[`bY[ch]U]cbz`WcbZ]WhUbX
dck Yf`fY`U]cbg" `h]g`XYg][bYX`Zcf`gh XYbHg`k]h`Ub`]bHfYgh]b`]bHfW`h`fU`]bHfUW]cbz`gi W
Ug`Wca a i b]WU]cb`Ua cb[`dYcd`Y`Zca`X]ZYfYbh`Ub[i U[Yg`UbX`W`h`fYg`]b`j`Ufm]b[`WcbHl`hg" `Mci`k`j`Z]bX
hY`Wci fgY`fY`Yj`Ubhlc`a`Ubm]Z`Y`Xg`cZgh`Xmž`ck`]b[`hc`hY`]bWfYUg]b[`d\Ybca`Ybcb`cZ[`cVU`]gU]cb`]b`U`
UgdYW]g`cZci`f`dc`]h]W]ž`Y`Wcbca`]Wž`dfc`Z]gg]cbU`UbX`gc`W]U`]]`Yg`" `Mci`k`j`" `Yl`d`cfY`hY`VUg]WWcbWf`dHg`cZ
]b[i]gh]WUbX`bcb!`]b[i]gh]WfYU]gU]cbg`cZW`h`fYž`Ug`k`Y`" `Ug`Ub`i`bXYfg]U]bX]b[`cZ\ck`h`YgY`d`Umici`h]b

Hi fb]hb'gYhb[. 'H\]g'Ugg][ba Ybh]g'gi Va]hX'h'fci [\ 'Hi fb]hb'UbX'ghi XYbhg'Xc' bchgYY'Hi fb]hb
g]a]Uf]mfYdcfrg"

5 hYbX

5 hYbXU
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7 ci fg

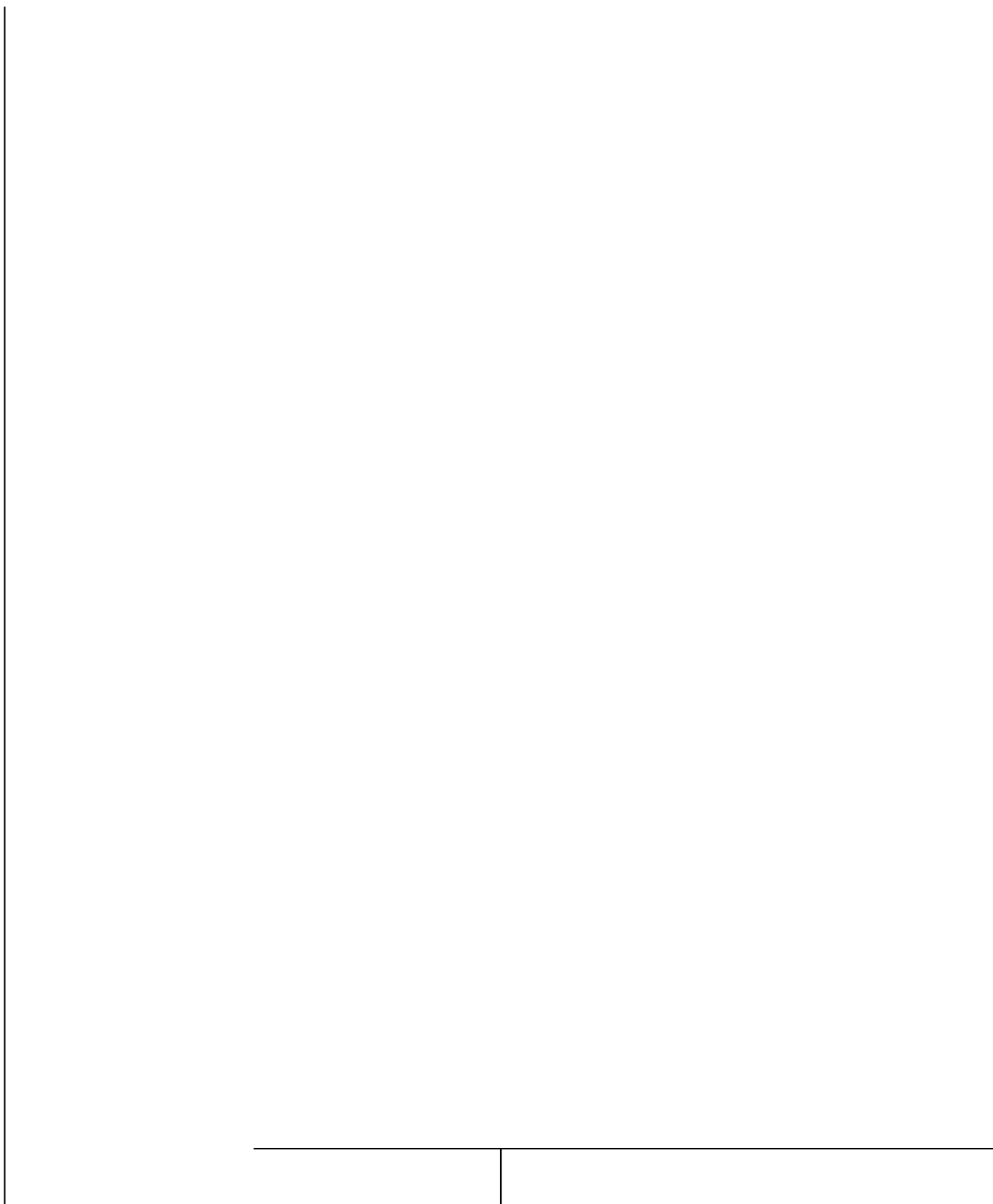
[J Yk WUg](#)

Hja YhUV

fgY"i bYI W gYX'UVgYbW'Zca 'a cfY'h\Ub'&\$i

hYbX'YbUV'j b['mci 'hc'UhtU]b'7 @C '&'UbX'7 @C' "'h
hYbUV'j b['mci 'hc'UhtU]b'7 @C' 'UbX'7 @C' ("

8 UHY		hYbh
K YY_ '% % : YVfi Ufm		h]bhYfW 'hi fU' Vta a i b]WUhc b3 <ul style="list-style-type: none"> • 6ck YzA Ufh]b / 'A Ubbgz'W "% '7i 'hi fYz Vta a i b]WUhc b'UbX'VcbYI h • 7 fci WXYf'7 \ '% 'K \m-hYfW 'hi fU' 7 ca a i b]WUhc b3 fVta a i b]WUhc b'hYcfrt A ccX'Y'Zcf'jbgfi W]cbg"
K YY_ '& .&) : A UfW		f]Yg'cZW 'hi fY <ul style="list-style-type: none"> • 7 fci WXYf'7 \ '%) '7i 'hi fY'UbX'j U'i Yg'j b'7 • < i U'7 \UdhYf'%%H\Ycf]Yg'cZW 'hi fY d'YH'X]gW gg]cb Zcfi a 'ei Yghcbg]b'A ccX'Y"
K YY_ " . ('A UfW A UfW		i U[Y'UbX'W 'hi fY <ul style="list-style-type: none"> • 7 fci WXYf'7 \ '% + - '@Ub[i U[Y'UbX hYfW 'hi fU'7 ca a i b]WUhc b'f@Ub[i U[Ygž]Xybhmž]XYc'c[mžGUd]f'K \cfz
h]bY'5Wij]m		7 ca d'YH'X]gW gg]cb Zcfi a 'ei Yghcbg]b'A ccX'Y"
7i 'hi fY! A UfW	A UfW ! '%+K YY_ (7i'f	



F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

6ck Yž<"žA Ufh]bž?"žUbX`A Ubbgž<"f&\$%(Ł"7 ca a i b]WU]cb`UWfcgg`7i`hi`fYg.`A i h U`i bXYfghUbX]b[`]b`U [`cVU`k cfX"·&^{bX}·YX]h]cb"·A Y`Vci fbY. `7 Ua Vf]X[Y`i b]j Yfg]hmDfYgg"

7 fci W\YfžG"A "·f&\$%+Ł; `cVU`DYfgdYW]j Yg`cb`·hYfW`hi`fU`7 ca a i b]WU]cb"·F ci hYX[Y. `BYk `Mcf_"·GYY Y6cc_"

<i UžN\i`f&\$%(Ł`9i d`cf]b[`·hYfW`hi`fU`7 ca a i b]WU]cb"·%gh9X]h]cb"·F ci hYX[Y"·GYY Y6cc_"

F YWca a YbXYX`F Ygci fWg

GdYbWwf!C UHynž<"UbX`i`fUb_]bžD`f&\$%- Ł·hYfW`hi`fU`·hYfUW]cb"·DU`[fUj Y"

>ci fbU`g

- hYfbU]cbU`>ci fbU`cZ·hYfW`hi`fU`·F Y`U]cbg
- 7i ffYbh·ggi Yg`]b`·hYfW`hi`fU`·DfU[a U]Wg

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

H\]g`Wci fgY`]g`Yj U`i UH`X`h`fci [\`h`Y`A m9i dYf]YbW`gi fj YmiUbX`h`fci [\`]bZcfa U`ZYXVUW_"H\Y`Wci fgY`]g fY[i `Ufmi dXUH`X`]b`fYgdcbgY`h`c`gh`XYbhZYXVUW_"H\]g`bYk`j`Yfg]cb`i`gYg`]bbc] U]j`Y`dfc`YW]VUgYX UggYgga Ybhk`YfY`gh`XYbhg`WU]b`k`cf_`cb`h`Y]f`ck`b`XUH`UbX`Udd`mi`h`Ycf]Yg`]b`dfUW]W"

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

Gi Va]gg]cb`cZ5ggYgga YbhHUg_g

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

Ẓmci `YbWci bhYf`U`dfcV`Ya `k \Yb`U`H`Ya dh]b[`hc`gi Va]hmc i f`Ugg][ba YbhHfci [\`Hi fb]h]bžd`YUgY
H`Yd\cbY`9I H`fbU`Gi ddcfhcb`-` ,) `` `` ` %cf`Ya U]`H`Ya `cb`YI H`fbU`H`hgi 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`m`YUfL` Ẓmci
UfY`i bUV`Y`hc`gi Va]hmc i f`Ugg][ba YbhXi Y`hc`U`ZU`i`hik]H`Hi fb]h]b`mci `a UmiUdd`miZc`f`Ub`YI H`bg]cbžVi hmc i
a i ghfYH]b`mci f`h]W`Yhbi a VYf`Zca `9I H`fbU`Gi ddcfhfU`cb[`k]H`Ubmch`Yf`fY`Yj UbhXcW a YbHgE`hc
]bWi XY`Ug`Yj]XYbW`hc`gi ddcfhmci f`YI H`bg]cb`Udd`jW]h]cb" Ẓmci `Ya U]`9I H`fbU`Gi ddcfhmci `k]`

5 WUXYa]W<c bYghmUbX`D`U[]Uf]ga

D`U[]Uf]ga `]g`i g]b[`hY`k cfXg`cf]XYUg`cZchYfg`UbX`dfYgYbh]b[`hYa `Ug`mci f`ck b" `hWUb`hU`Y`a Ubm
Zcfa gž`Zca `XY`]VYfUHY`WXYU]b[`hc`UWV]XYbhU`mW`dm]b[`Zca `U`gci fW`k]h`ci hUW_bck`YX[Ya Ybh`

I BGK `[fci dg`d`U[]Uf]ga `]bhc`hY`Zc`ck]b[`WUHY`[cf]Yg.

7 cdm]b[.`i g]b[`hY`gUa Y`cf`j Yfmg]a]Uf`k cfXg`hc`hY`cf][]bU`hYI hcf]XYU`k]h`ci hUW_bck`YX[]b[`hY`
gci fW`cf`i g]b[`ei chU]cb`a Uf_g" `H\]g`U`gc`Udd`]Yg`hc`]a U[Ygž`UfhUbX`XYg][b`dfc`YWgž`Ug`k Y`Ug`
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g`]XYUg`cf`k cfXg`k]h`ci hW`YX]h`

hUddfcdf]UHY`dUfUd`fUg]b[.`7`U`b[]b[`U`ZYk`k cfXg`UbX`d`fUgYg`k`Y`a cghmifYU]b]b[`hY`cf][]bU`
ghfi W`fY`UbX`#`f`dfc[fYgg]cb`cZ]XYUg`cZ`hY`cf][]bU`ž`UbX`]bZcfa U]cb`k]h`ci hUW_bck`YX[Ya Ybh`H\]g`U`gc`
Udd`]Yg`]b`dfYgYbhU]cbg`k \YfY`gca YcbY`dUfUd`fUgYg`UbchYf`g`]XYUg`cf`k cfXg`k]h`ci hW`YX]h`UbX`hc`
d]YW]b[`hc[Y`hYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk`k`c`Yž`k]h`ci hUddfcdf]UHY`fYZYfYbW]b["

7 c`i g]cb.`k cf_]b[`k]h`chYfg`Vi hdUgg]b[`cZ`hY`k cf_]Ug`U`dYfgcb`g`]bX]j]Xi U`k cf_]7 c`i g]cb`U`gc`
]bWi XYg`dfcj]X]b[`mci f`k cf_]hc`UbchYf`gh`XYbhVYZc`fY`hY`Xi Y`XUHYž`cf`Zc`f`hY`di fdcgY`cZ`hY`a

- i bXYfghUjX'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'UjX'5W'W'dhUV'Y'I gY'cZ I BGK '⇒H'F'Ygci f'W'g'Dc`]W'h
- VY'Uk UfY'cZ'Y'ghUjX'UfX'g'cZVY\Uj]ci f'YI dY'W'X'cZYj Yfmc'bY']b'Y'Y'I BGK 'W'a a i b]m
- `cW'W'h'gY'fj]W'g'UbX']b'Z'c'fa U'h'c'b'UV'ci hi 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 bXYfghUjX]b['cZU`'h'Y fY'U'h'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'c' #\]j V'Y'W'f i \]X'Y'g"\]V'f'U'f'm'i b'g'k "Y'X'i "U'i #'\]g'Y'#\]V'c'i h'Y'\]g'Y](#)

5 WUXYa]WbZcfa Uhcb`

: cfYggYbh]U`ghi XYbh]bZcfa Uhcb`fY`Uh]b[`hc.

- fYei Yghg`ZcfYI hYbg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua]bUh]cb`dfcVWXi fYg/
- gdYW]U`Vc]bg]XYfUh]cb`]b`hY`Yj Ybhcz]`bYgg`cf`a]gUXj Ybh fY/
- ghi XYbhYei]hmUbX`X]gUV`]`]m/
- UbX`chYfYggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY

[\hdtg.##k k k "Uftg"i bgk "YXi "Ui #W ffYbh\]ghi XYbh\]bZcfa Uh\]cb`dfc\]Vc`g!\[i \]XY`\]bYg#](#)

⇒ U[Y`7fYX]h

[I B9G7C. : `cVU`7\]hnYbg\\]d`9Xi W\]h\]cb`pGH5G< `A 5: 5N-B9` \hdtg.## cc"\[`#a U\[Yg# >BhN`](#)

7F ⇒ CG

7F ⇒ CG`Dfcj]XYf`7cXY. \$\$\$- , ;