



ARTS3451

5Xj UbWX'7 \]bYgY'6

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

7ci fgY`Cj Yfj]Yk

GHJZZ'7cbHJW`8YHU]`g

7cbj Ybcfg

B Ua Y	9a U]	5j U]UV]]m	@W]hcb	D\cbY
8f`M]b[`]Gi b	m]b[`]"gi b4 i bgk "YXi "Ui	'!(DA `H\i fgXUmicf VmiUddc]bha Ybh	A cfj Yb`6fck b &)	- ' ,) &* (\$

@YW] fYfg

B Ua Y	9a U]	5j U]UV]]m	@W]hcb	D\cbY
8f`M]b[`]Gi b	m]b[`]"gi b4 i bgk "YXi "Ui		A cfj Yb`6fck b &)	

Hi hcfg

B Ua Y	9a U]	5j U]UV]]m	@W]hcb	D\cbY
<i Ub[\i Ub[`7\Yb	\i Ub[\i Ub["WXyb4 i bgk "YXi "U		A cfj Yb`6fck b &%%	
8f`M]b[`]Gi b	m]b[`]"gi b4 i bgk "YXi "Ui		A cfj Yb`6fck b &)	

GWXcc``7cbHJW`bZcfa Uh]cb

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

@W]hcb. GWXcc``C Z]WZA cfj Yb`6fck b`6i]X]b[ž@Yj Y``&ž&) ,

C dYb]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]bfg`*`

Gi a a UfmicZ`h\Y'7ci fgY

9I h\bx]b[`cb'5F HG' () \$žh\g`Wci fgY`dfcj]XYg`UXj UbWX`h]hcb`]b'7\]bYgY`Ub[i U[Y`fA UbXUf]bE`gh Xnž
i g]b[`U`h\i hVcc`_XYg][bYX`gdYW]Z]WU`mZcf`UXj UbWX`7\]bYgY`YUfbYfg`Uhi b]j Yfg]h]Yg`ci hg]XY`cZ7\]bU``h
Wca V]bYg`Ub[i U[Y`gh X]Yg`k]h`Ub`Yi d`cfUh]cb`cZ7\]bYgY`W`h`fY`UbX`gcW]Ymž`]bWi X]b[`hUX]h]cbU`
W`h`fY`H\Y`a YX]i a`cZ]bgfhi W]cb`]g`A UbXUf]b`Mci `k]`Yi h\bx`mci f`i bXYfg]UbX]b[`UbX`i gY`cZ7\]bYgY
`Ub[i U[YžYgdYW]U`mia cfY`gdYW]U]gYX`j cW]Vi `UfmUbX`Wca d`Yi`gYb]h]bW`g]fi W]h`fYg`H\Y`Ya d\Ug]g`]g`cb
h\Y`hUbgZ`fa Uh]cb`cZ`]b[i]gh]W_bck`YX[Y`]bhc`UW]j Y`g_]`gž`]bWi X]b[`hUbg`Uh]cb`h`fci [\`cfU`UbX`k`f]h]Yb
UW]j]h]Ygž`ZcW`g]b[`cb`Ui h\Yb]h]W7\]bYgY`h\i hg`Vmi`h`]g]b[`j`Uf]ci g`fYUX]b[`gh]U]h[]Yg`H\Y`h\i hg`Wc] Yf`U
fUb[Y`cZ]hd]W]g`]b'7\]bYgY`Ub[i U[Yž`W`h`fY`UbX`gcW]Ymž`H\YgY`W]fYZ`m]W]cgYb`h\i hg`k]`gYf] Y`Ug`U
k]bXck`h`fci [\`k`h]W]mci `k]`gY`Y'7\]bU`Uhk`cf`ž`k]h]Ygg`]hg`UW]Y]j Ya Yb]hg`Ug`k Y`Ug`h\Y`W]U`Yb[Yg

Hi fb]h]b'gYh]b[. 'H\]g]g'bchU'Hi fb]h]b'Ugg][ba Ybh

K YY_%\$.&'5i [i gh! '* 5i [i gh	@YWh fy	•

F Ygci fWg

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'hgi ddcfh4 i bgk "YXi "Ui "'Gi ddcfh
\ci fg'UfY', .\$\$Ua '—%\$.\$\$da 'cb'k YY_XUmg'UbX'-. \$\$Ua '—) .\$\$da 'cb'k YY_YbXg'fl *) 'XUmg'U'mYUfl" Ʒmci
UfY'i bUV'Y'hc'gi Va]hmc i f'Ugg][ba YbhiXi Y'hc'U'ZU' '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 YbHg'k'hc
]bWi XY'Ug'Yj]XYbVW'hc'gi ddcfhmci f'YI HYbg]cb'Udd']W]h]cb" Ʒmci 'Ya U] '9I HYfbU'Gi ddcfhmci 'k]
Ui 'ca UH]WU'`mfYW]j Y'U'h]W_Yhbi a VYfž'Vi h]Zmci 'HY'Yd\cbY'mci 'k]'`bYYX'hc'gdYW]Z]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'YX'Y'YW'fcb]WU'`mj]U'Y]H'Yf'Hi fb]h]b'cf'U'A ccX'Y
Ugg][ba YbH' 'b]bgHUbVW'g'k \YfY'H'lg]g' bchidcgg]V'Yž]hk]'VY'ghUH'X'cb' mci f'Wci fgY'g'A ccX'Y'g]H'k]H'
U'HYfbUH] 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. \`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`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]bZcfa Uh]cb

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

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

[\ftdg.#k k k "Uftg"i bgk "YXi "Ui #W ffYbh\]gh XYbh\]UWUXYa \]W\]bZcfa Uh\]cb#dfchWc`g!\[i \]XY`\]bYg#](#)