



ARTS3039

>UbY '5i ghYb ']b '7 cbhYI h

HYfa 'H\ fYY '##' &\$&\$



7 ci fgY`Cj Yfj]Yk

GHJZZ'7cbHJW`8YHJ`g

7cbj Ybcfg

B Ua Y	9a Uj`	5j Uj`UVj`]m	@cWJhcb	D\cbY
9`jnUVYh`A WA U\cb	Y"a W` U\cb4 i bgk "YXi "Ui	6mUddc]bha Ybh	F cVYfh K YVghYf Vi]X]b[žcZ]W &&'	f\$&Ł-' ,) %*(

GWcc`7cbHJW`bZcfa Uhjcb

GWcc`cZhY`5fng`UbX`A YX]U

Fcca " %&ž@Y] Y"" žF cVYfhK YVghYf`6i]X]b[`fl %Ł

D\cbY. f\$&Ł-' ,) `(,) *

9a Uj`. [gUa 4 i bgk "YXi "Ui](#)

K YVg]hY. [k k k "Ufng"i bgk "YXi "Ui #gUa](#)

H\Y`GWcc`cZhY`5fng`UbX`A YX]U`k ci `X`_]Y`h`F YgdYW`m5W`bck`YX[Y`hY`HfUX]hcbU`7i ghcX]Ubgž
hY`6YXY[U`fP`Ybg]b[hcb`WJa di glž; UX][U`f7]mUbX`5fh/`8Yg][b`7 Ua di gYgŁ`UbX`hY`B [i bbUk U`
dYcd`Y`f5i ghU]Ub`8YZybW : cfW`5WUXYa m]b`7 UbVYffUŁ`cZhY`UbXg`k \YfY`YUW`WJa di g`cZI`BGK`]g
`cWJhYX"

7ci fgY'8YHJ]`g

7fYX]hDc]bqg`*`

Gi a a UfmicZ\hY'7ci fgY

>UbY'5i ghY'b'W ffYbhmYb'cmg'U'W'hi fU'dc di 'Uf]m]f]j U']b['h.UhcZG\U_YgdYUfY''H\]g'W'ci fgY'U]a g'hc'fU_Y
UW'ci bhcZ\hY'UV]X]b['fY'Yj UbW'cZ5i ghY'b'q'k cf_]b'hY'YUf'm&%ghW'bh fm]b'k c'X]gh]bW'Vi hfY'UH'X
k Umg''C b'hY'cbY'\UbX'z]hZcW gYg'cb'5i ghY'b'q'j Yb]]U'UbX'bcj Y'g'Ug'gcW]U'UbX'W'hi fU'dfcXi W'g'cZ
hY]f'hja Y''hYI Ua]bYg'\ck '\Yf'k cf_g']bhY'fUW'igY'Z'W'bgW]ci g'mk]h'W'cb'ha dcfUfmfca Ubh]W'Z[c'h]W'UbX
gYb'hja Yb'U'Z]W]cb'Ug'k Y''Ug'f'W'bj YfgYf'k]h'YUW'c'hYf'hc'Z'fa 'U'X'nbUa]W'UbX']bhY''Y'W'h U'm'W'X'U'Yb[]b[
VcXmcZk cf_'C b'U'a cfY'hYcfY'h]W''Yj Y'z]hYI d'cfYg'hY'j Uf]ci g'W'ca dcbYb'q'cZ5i ghY'b'q'']hY'fUf'm]ghmY
hUhU'ck '\Yf'hc'gdYU_'hc'dfYgYb'hXUmifYUXYfg, '\Yf'i gY'cZ]fcbn'z'\Yf'UV]]m]hc']'i a]b'UH'hY'gi VhY
hfUbgZ'fa Uh]cb'cZ'W'U'fUW'Y'f'c] Yf'hja Y'z'UbX'\Yf'i b]ei Y']bhY'fa]b[]b['cZ'fa UbW'UbX'fYU]ga ''H\fcI [\
hYgY'k c''YbgYg'z'hY'a cXi 'Y'XYa cbghfU'hY'g'hY'W'cb]bi]b['fY'Yj UbW'cZ5i ghY'b'q'']hY'fUf'm]UbX'a cfU'
k cf'Xj]Yk "

7ci fgY'@YUfb]b['Ci hW'ca Yg

%" GdYU_'UbX'k f]hY'W]]W''mUVci h>UbY'5i ghY'b'k]h]b'\Yf'W'hi fU'z'\]g'hc]f]W]U'UbX']bhY''Y'W'h U'W'cb'hi h
&" ÆYbh]ZmUbX'UbU'mgY'hY'_YmZ'YUh fYg'cZ5i ghY'b'g'']hY'fUf'm]ghmY
' " 5f]h'W'UH'fYUgcbg'Z'c'f'5i ghY'b'g'W'cb]bi]b['fY'Yj UbW'cZ5i ghY'b'q'']hY'fUf'm]UbX'a cfU'

HYUW]b['GhfUH[]Yg'

D'YUgY'fY'Z'f'hc'hY']bZ'fa Uh]cb']b'A ccX'Y

F Ygci fWg

DfYgWfjVYX`F Ygci fWg`

BchiUj UjUVY

F YWca a YbXYX`F Ygci fWg

BchiUj UjUVY

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

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

~Zmci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UHYa` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiHfci`[`\`Hi`fb]h]bzd`YUgY`
HY`Yd\cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`"``"``%cf`Ya`Uj`hYa`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`fI`*)`XUmg`U`mY`UfI`"~Zmci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiXi`Y`hc`U`ZU`ihk`]h`Hi`fb]h]b`mci`ia`UmUdd`mZc`f`Ub`YI`HYbg]cbz`Vi`hmc`i`
a`i`ghfYhU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhfU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Ybhtg`L`hc`
]bWi`XY`Ug`Yj`]XYbVW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb`"~Zmci`Ya`Uj`9I`HYfbU`Gi`ddcfhmc`i`k`j`
Ui`hca`U]W]m`fYW]j`Y`U`h]W`Yhbi`a`VYfz`Vi`h]Zmci`HY`Yd\cbY`mci`k`j`bYYX`hc`gdYW]Z]W]mUg`Zc`f`cbY`
Hi`fb]h]b`U`gc`dfcj`]XYg`i`dXUH`g`cb`h`Y]f`gmghYa`ig`hU`h`g`cb`Hk`]hYf`"

;`YbYfU`mz`UggYgga`YbhiUg_g`a`i`ghVY`gi`Va`]hYX`Y`YWfcb]W]m]j`]U`Y]h`Yf`Hi`fb]h]b`cf`U`A`ccX`Y`
Ugg][`ba`Ybhi`h]b]ghU`bVW`g`k`\YfY`h`lg`]g`bchidcgg]V`Yz`]hk`]`VY`ghU`h`X`cb`mci`f`Wci`fgY`g`A`ccX`Y`g]h`k`]h`
U`HYfbU]h]`Y`gi`Va`]gg]cb`XYhU]g`"

:`cf]bZcfa`Uh]cb`cb`\ck`hc`gi`Va`]hUgg][`ba`Ybhtg`cb]bY`j`]U`A`ccX`Y`. \hhdg.#gh`XYbhi`bgk`"YXi`"Ui`Ack`!
gi`Va`]hUgg][`ba`Ybhta`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]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]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wc'dmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5W'W'dhUV'Y'I gY'cZ I BGK '⇒H'F'Ygci f'W'g'Dc`]W'h
- VY'Uk UfY'cZ'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dY'W'X'cZYj Yfmcby']b'h'Y'I BGK 'W'a a i b]m
- 'cW'W'h'gYfj]W'g'UbX']bZ'fa U]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZ'Y'gY'UfY'Ug'k]''VY'ZJa]]Uf'hc'mci ž'c'h'Y'f'g'k]''VY'bYk "'; U]b]b['U'gc'X'i bXYfghUbx]b['cZU''h'Y fY'U'Y'X'UgdY'W'g'cZ9@-G9'k]''\Y'd'mci 'a U_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\h'hd.##gi V'Y'W'i \]X'Y'g" \]VfUfm'i b'gk "Y'X'i "U'i #' \]g'Y'#J'V'ci h' \]g'Y](#)

5 WUXYa]W=Zcfa Uh]cb

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

- fYeI Ygth]Zcf`YI hYbg]cb/
- `UhY`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I BGK `<YU`h`UbX`GUZY`mdc`]WYg/
- YI Ua]bUh]cb`dfcW`Xi fYg/
-