



ARTS5506

5i ghfU`]Ub`5Vcf][]bU``@Ub[i U[Yg

Gi a a Yf`##`&\$&%

7 ci fgY`Cj Yfj]Yk

GHJZ`7cbHJW`8YHJ]`g

7cbj Ybcfg

B Ua Y	9a U]			

7ci fgY'8YHJ]`g

7fYX]hDc]bqg`*`

Gi a a UfmcZ`h`Y'7ci fgY

6miH_]b[`h`g`W`ei fgY`z`mci `k`j` [U]b`Ub`UddfYW]U]cb`cZ5i ghfU]U`g`f]W`UbX`W`a`d`Yi`'5Vcf][]bU`]]b[i]gh]W
\Yf]H[Y`]b`W`b`h`Y`a`dcfUfmUbX`fUX]h]cbU`W`b`h`Y`h`g`"Mci` `k`j`"XY`j`Y`]b`c`U`W`fUHYX`fUb[Y`c`Z`h`d]Mg`]bW`i`X]b[
`Ub[i U[Y`UbX`h`Y`"UbX`z`_]bg\]d`UbX`gcW]U`c`f[Ub]gU]h]cbz`bUffU]h] Y`UbX`W`bj`YfgU]h]cbz`Ub[i U[Y`UW`ei]g]h]cbz`
`Ub[i U[Y`W`b`h`UW`z`"Ub[i U[Y`UbX`YXi`W]h]cbz`Ub[i U[Y`a`U]b`h`b`UbVW`UbX`fYj`]j`U`"9UW`c`Z`h`Y`g`Y`h`d]Mg`k`j`
VY`X]gW`ggYX`k`]h`fYZfYbW`h`c`Yb[U[]b[`W]gY`gh`X]Yg`cZ`W`ffYbhfYgYUfW`UbX`W`ffYb`h`W`a`a`i`b]m]VUgYX
dfc`YW]g`"H`f`ci` [\`h`Y`Yi`d`c`fU]h]cb`c`Z`h`Y`g`Y`h`d]Mg`z`mci` `k`j`"YUfb`UVci`h`h`Y`W`UfUW]f]gh]W`]b[i]gh]W
dfcdYf]h]Yg`cZ5i`ghfU]Ub`"Ub[i U[Yg`UbX`Udd`m`UbU`m]h]W]g`_]`g`h`c`h`Y`XYgW]d]h]cb`cZ5i`ghfU]Ub`"Ub[i U[Y
XU]h`"H`Y`f`Y`k`j`"VY`U`Z`c`W`g`c`b`c`k`b`Y`k`k`Umg`c`Z`g`d`Y`U`_]b[`UfY`W`Y`U`h`X`z`c`k`"Ub[i U[Yg`UfY`"cg]z`UbX`h`Y
k`Umg`]b`k` \]W`5Vcf][]bU`gdYU`_Yfg`UfY`h`UW]b[`UbX`fYj`]j`]b[`h`Y`f`f`U`X]h]cbU`"Ub[i U[Yg`h`c`XUm`"Mci` `k`j`
k`c`f`_`k`]h`U`g`Y`YW]h]cb`cZUi`h`Y`b`h]WB`GK`'5Vcf][]bU`"Ub[i U[Y`a`U]h]f]U`Z`ca`"G`h`h`Y`@]VfUfmcZ`B`GK
W`c`"Y`W]h]cbg`"b`Xc]b[`gc`z`mci` `k`j`"Uj`Y`UbXg!cb`Yi`dYf]YbW`]b`c`k`h`c`Z]bX`UbX`i`h]gY`f]W`UfW]j`U`
]b[i]gh]W`a`U]h]f]U`UbX`h`Y`Y`h]W]d`fUW]W]g`]b`h`Y`a`UbU[Ya`Yb`h`UbX`i`gY`cZ5Vcf][]bU`"Ub[i U[Y`a`U]h]f]U`g`
Mci` `k`j`"h`U`_`Y`Uk`Um]Z`ca` `h`g`W`ei fgY`U`XY`Y`d`Y`b`Y`X`i`b`X`Y`f`g`h`U`b`X]b[`c`Z`g`c`W]U`UbX`W`h`f`U`X]j`Yfg]m]Ug`g`Y`Y`b
h`f`ci` [\`h`Y`"Y`bg`c`Z`Ub[i U[Y`z`UbU`m]h]W`"a`Y`h`c`Xg`UbX`W]h]W`"h]b`_]b[`g`_]`g`z`UbX`_bck`YX[Y`c`Z`f`Y`g`Y`U`f`W`

5ggYgga Ybh

5ggYgga YbhHUg_g

	5ggYgga YbhHUg_		K Y][\h	8i Y'8UHŸ	Gh XYbh@YUfb]b[Ci hŸa Yg'5ggYggYX
	E i]n'				

Gh XYbng`k]`k f]h`Ub`UbU`m]W]`gW`c`Uf`mUW]XYa]WYggUmf&Z) \$\$`k cfXgE`Gi [[YghX`YggUmhcd]Wg`k]`VY
a UXY`Uj U]`UV`Y`cf`gh XYbng`W]b`XYj Y`cd`h`Y]f`ck b`]b`W`bgi `h]cb`k]h`h`Y`W`i fgY`W`bj Ybcf`A Uf_]b[
i g]b[`U`fi Vf]W`Gh XYbng`fYW]j Y`Ub`]bX]j]Xi U`a Uf`_`UbX`]bX]j]Xi U`k f]h`b`ZYXVUW`_`

Hi fb]h]b`gYh]b[.`H\]g`Ugg][ba Ybh]g]gi Va]h]X`h`fci [\`Hi fb]h]b`UbX`gh XYbng`Xc`bchgYY`Hi fb]h]b
g]a]`Uf]m]fYdcfng`

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

D`YUgY`fYZf`h`A ccX`Y`Zf`a cfY`XYHJ]`g"

F YWca a YbXYX`F Ygci fWg

D`YUgY`fYZf`h`A ccX`Y`Zf`a cfY`XYHJ]`g"

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

H\]g`]g`h`Y`Zfgh]a Y`h`]g`Wci fgY`Ug`VYYb`c`ZYfYX"=k`]`k`Y`Wca Y`ZYXVUW`h`fci [\ci h`h`Y`Wci fgY`gc`h`Uh`]
]h`Wb`VY`]a dfcj YX`UbX`k`]`fYei YghZcfa U`ZYXVUW`Zca`gh`XYbhg`Uh`h`Y`YbX`c`Z`h`Y`Wci fgY" H\]g`]
ZYXVUW`U`cb[`k`]h`fYgi`hg`c`Z`h`Y`gh`XYbhZYXVUW`]b`a m9I dYf]YbW`fYdcf]g`k`]`VY`i`gYX`h`]a dfcj Y`h`Y`
Wci fgY"

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'm'YUfl" 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 ddcfhmc i f'YI HYbg]cb'Udd']W]h]cb" Ʒmci 'Ya U]'9I HYfbU'Gi ddcfhmc i 'k]
Ui 'ca UH]WU'm'fYW]j Y'U'h]W_Yhbi a VYfž'Vi h]Zmci 'HY'Yd\cbY'mci 'k]'b'YX'hc'gd'YW]WU'm'Ug_ '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'bc'hd'cgg]V'Yž'hk]'VY'gh'UH'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]bYj]U'A ccX'Y. \H'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]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wcdmf][\hžI BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Wm
- VY'Uk UfY'cZh'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dYW'X'cZYj Yfmcby`]b'h'Y'I BGK 'Wca a i b]m
- `cWJh'gYfj]Wg'UbX']bZcfa Uhcb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZh'YgY'UfYUg'k]`VY'ZJa]]Uf'hc'mci ž'ch'Yfg'k]`VY'byk "; U]b]b['U'gc`X'i bXYfghUbx]b['cZU`h'Y fY'UH'X'UgdYW'g'cZ9@G9'k]`Y'd'mci 'a U_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\hhd. #gj V'YWf i \]XYg" \]VfUfm'i bgk "YXi "Ui #` \]gY#JVci h' \]gY](#)

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]cbž`gYY