



ARTS3289

8cW a YbUfm:]a 'UbX' <]ghc fm

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

7ci fgY`Cj Yfj]Yk

`GHUZZ7cbhUWhi8YHU]`g`

`7cbj Ybcfg`

| | | | | |
|--------------|-------------------------|--------------|---------------------------|-------------------|
| B Ua Y | 9a U]` | 5j U]`UV]`]m | @cWU]hcb | D\cbY |
| F i h\`6U]bh | f"VU]bh# i bgk "YXi "Ui | A cbXUm' !(" | A cfj Yb`6fck b` ' () | - ' ,) ; , & + , |

GW\cc``7cbhUWhi#Zcfa U]hcb

GW\cc``cZ<i a Ub]hYg`UbX:@Ub[i U[Yg

@cWU]hcb. `GW\cc``C Z]WZ`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 U]: [\U`4 i bgk "YXi "Ui](#)

7ci fgY'8YHJ]`g

7fYX]hDc]bhr '*`

Gi a a UfmicZh\Y'7ci fgY

Gi VYWh5fYU.: [efack

8c'XcW a YbHf]Yg'h'`h\Y'fhi h\3'7 Ub'k Y'fY'mcb'h\Ya 'Ug'gci fW'g'cZ\]g'hc'f'f'`b'h\]g'W'ci fgY'm'ci 'k']`
k UH\X'z'UbU'mgY 'UbX'XYVUH'`ck'XcW a YbHfmiZ'a g'\Uj Y'Vch'fYdfYgYbh'X'UbX'fY]bj Ybh'X'h\Y'dUgh': fca
h\Y'YUf]Ygh'fUX]W'`6c'g\Yj]_d]cbYYfg'hc'h\Y'\ca Y'a cj]Yg'cZ'h\Y'z'f]Yg'z'hc'h\Y'W ffYbhi gY'cZ'h\Y'd\cbY
W]a YfU'hc'fYW'cfX'Ya Yf[YbWh'UbX'k Ufz'UbX'Yj Yb'hc'h\Y'k]X']Z'XcW a YbHfmiZ'h\]g'W'ci fgY'YI d'cfYg'\ck
XcW a YbHfmiZ'a g]bh'Y'fd'fY'h\]g'hc'f'f'z'a U_Y'\]g'hc'f'f'UbX']b'gca Y'W'gYg'z'W'Ub[Y'\]g'hc'f'f'

5ggYgga Ybh

5ggYgga YbhHUg_g`

| | | | |
|---------------------|----------|------------------------------|----------------------------------------|
| 5ggYgga YbhHUg_ | K Y][\h | 8i Y'8UHŸ | Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX |
| A U'cf'9ggUm |) \$i | %g#%g#&\$%- '\$) . \$\$'DA | %z&Z |
| Hi hcf]U`fYgdcbgYg` | &) i | %, #/\$#&\$%- '\$) . \$\$'DA | %z&Z |
| HYgh | &) i | Bch5dd`]WUV`Y | %z&Z |

5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`A U'cf'9ggUm

GHfhXUHŸ. `Bch5dd`]WUV`Y

@Yb[h. `&\$\$\$`k cfXg

8YHU]`g. `F YgYUfW`YggUm`&\$\$\$`k cfXg" `5bgk Yf]b[`U`gYhei Ygh]cb`gci fW`UbX`UbU`mgY`cbY`cf`a`cfY
XcW`a`YbhUfmZ]`a`g`UbX`'\]ghcf]WU]`gci fW`g`hc`a`U`_`Y`Ub`]bZcfa`YX`Uf[`i`a`Ybh`H`Y`ZYXVUW_]`g`]b`h`Y`Zcfa`cZU

GhUfhXUHY. '&&#/%#&\$%- '%\$. \$\$'5A

@Yb[h. 'Hk c'\ci fg

8YHU]`g. 'H\Y`hYgh]g`U`k f]hYb`hYghz`UbX`k]``UggYgg`gh XYbhg`'i bXYfghUbX]b[`cZ`YWñi fY`UbX`hi hc f]U`a UHf]U`
Zcf`h\Y`Ybh]fY`Wci fgY"'`#k]``hU`_Y`d`UWV`]b`h\Y`Z]bU`k`YY`_cZ`hYfa "H\YfY`k]``VY`bc`ZYXVUW`_Zcf`h\]g
UggYgga`Ybh`

5XX]h]cbU`XYHU]`g.

H\Y`hYgh]g`Ub`]b!WUggz`WcgYX`Vcc`_`hYgh`

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

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

D`YUgY`bcH`h\YgY`k]``VY`dfcj]XYX`cb`a ccX`Y"

F YWca a YbXYX`F Ygci fWg

H\YgY`k]``VY`dfcj]XYX`cb`a ccX`Y"

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

Gh XYbhYj U`i Uh]cbg`UfY`hU`Yb`gYf]ci g`m]b`h]g`Wci fgYz`UbX`gh XYbhg`UfY`YI dYWfX`hc`Wca d`YH`h\Y
A m9I dYf]YbW`ZYXVUW`Uh\Y`YbX`cZ\Y`Wci fgY" Gh XYbhg`Uj Y`dfYj]ci g`m`cj YX`h]g`Wci fgY"; fci d
dfYgYbhUh]cbg`Ufci bX`U`g]b[`Y`XcW`a YbhUfmZ`a`fYW]j YX`Ygg`dcg]h] Y`ZYXVUW`Ug`Ub`UggYgga YbhUg`z
UbX`h]g`Ug`bck`VYYb`fYa`cj YX"

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`mYUfL` Ẓmci
UfY`i bUV`Y`hc`gi Va]hmc i f`Ugg][ba YbhXi Y`hc`U`ZU`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 Ybhgk`hc
]bWi XY`Ug`Yj]XYbW`hc`gi ddcfhmci f`YI H`bg]cb`Udd`]W]h]cb" Ẓmci `Ya U]`9I H`fbU`Gi ddcfhmci `k]`

5 WUXYa]W<c bYghmiUbX`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[YgžUfhUbX`XYg][b`dfc`YWgžUg`k Y`Ug
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g]XYUg`cf`k cfXg`k]h`ci hWYX]h`

hUddfcdf]UHY`dUfUd`fUg]b[.`7`U`b[]b[`U`ZYk `k cfXg`UbX`d`fUgYg`k \]Y`a cghmiFYhU]b]b[`hY`cf][]bU`
ghfi W`i 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 hWYX]hU`bX`hc
d]YW]b[`hc[YhYf`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 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'Yfg'k]''VY'bYk "; U]b]b['U'gc`]X'i bXYfghUbx]b['cZU''h'Y fY'UH'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'Yg" \]VfUfm'i bgk "YXi "Ui #' \]gY#UVci h' \]gY](#)

