



ARTS2031

5i ghfU`jUb`@]hYfUhi fy

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

7ci fgY`Cj Yfj JYk

`GHUZZ7cbHJW`8YHJ`g`

`7cbj Ybcfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWjhcb	D\cbY
8f? UH`@j Yth	_`j Yth# i bgk "YXi "Ui	K YXbYgXUmj" !(da fYa Uj`rc`WcbZfa t	K YVgthf' %%	H65

`@YWi fYfg`

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWjhcb	D\cbY
5ggcWUH`DfcZggcf 9`jnUVYh`A W U\cb	Y"a W U\cb4 i bgk "YXi "Ui			

7ci fgY'8YHJ]`g

7fYX]hDc]bHg`*`

Gi a a UfmicZ\hY'7ci fgY

Gi VYWh5fYU.7`Y[eZ

H\]g`Wci fgY`WUb`U`gc`VY`gh`X]YX`]b`h\Y`Zc`ck`]b[`gdYWU`]gU]cbg. `3gefS`[S` E fgV[Wel 5dWSf]hWI` dff` Y

H\]g`Wci fgY`]bfcXi`Wg`mci`hc`a`U`ef`]ggi`Yg`UbX`k`cf_g`]b`5i`ghfU`]Ub`]]hYfUhi`fYzk`]h`U`dUfh]W`Uf`ZcW`g`cb`
a`Uhf]U`Zca`h\Y`dUghk`c`W`bh`f]Yg`" `hk`]`W`cbhY`h`U`]gY`]a`dcfU]bhk`cf_g`]b`hYfa`g`cZU`fUb[`Y`cZ`cWU`UbX`
[`cVU`]]hYfUfm]UbX`W`h`fU`Zcfa`U]cbgZ`h`i`g`dfcj`]X]b[`U`a`Ud`cZ\hY`W`ca`d`YI`UbX`W`Ub[`]b[`bU`h`fY`cZ`
bU]cbU`W`h`fY`"Mci`k`]`gh`Xmia`Uhf]U`Vmk`f]hYfg`Zca`X]j`YfgY`VUW_[`fci`bXgZ`]bW`i`X]b[`bX]`[`Ybci`g`
k`f]hYfg`"

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

%` ÆYbh]Zm`_Ym]ggi`Yg`UbX`a`ca`YbHg`]b`h\Y`5i`ghfU`]Ub`]]hYfUfm]hUX]h]cb`"
&` 9b[U[Y`W]h]W`mk`]h`_Ym]ggi`Yg`UbX`a`ca`YbHg`]b`h\Y`5i`ghfU`]Ub`]]hYfUfm]hUX]h]cb`h\fc`i`[`h\Y`
UbU`mg]g`cZgdYWZ]W]hY`I`hg`UbX`]b`U`fUb[`Y`cZcfU`UbX`k`f]hYb`a`cXYg`"
'` " 8Ya`cbghfU`h`Yb`UbVWX`ZJa`]`]Uf]hmik`]h`a`U`ef`]]hYfUfm]hY`I`hg`Vm5i`ghfU`]Ub`Ui`h`c`fg`"
(` " 8Ya`cbghfU`h`Ub`i`bXYfg]UbX]b[`cZ\hY`dfch`W`g`cZUWUXYa`]W`bck`YX[`Y`W`cbghfi`W]cb`"

HYUWX`]b[`GhfU`hY`[`]Yg`

H\Y`Wci fgY`]g`hUi`[`h`h\fc`i`[`h`Y`Wh`fYg`UbX`h` WU`UbX`

C b`]bY`@YUfb]b[`5Wlj]]m

Gh XYbtg`k]`Wca d`Yh`U`a UbXUhc`fmicb`]bY`WcgY`fYUX]b[`YI`YfV]gY`cb`U`hYI`hfY`UH`X`hc`h`Y`YggUmihcd]W`
H\]g`YI`YfV]gY`dfcj]XYg`gWZc`X]b[`Zc`f`h`Y`a`U`c`f`YggUm`H`Y`U`W]j]]m]g`a`UbXUhc`fmVi`h]g`bchdUfhcZ`h`Y`
UggYgga`Ybh`Zc`f`h`]g`Wci`fgY"

5ggYgga Ybh

Df]cf'hc'h\Y'Xi Y'XUH'cZ5ggYgga YbhHUg_&z'h\Y'a U'cf'YggUmz'h\YfY'jg'U'Wta di`gcfmVi hbcblUggYggYX WcgY!fYUX]b['UW]j]lmh]YX'hc'mci f'Wc]W'cZYggUmteI Ygh]cb'h\I hf]L"Gh XYbhg'UfY'fYei]fYX'hc'k f]h'U'g\cfh WcgY!fYUX]b['UbU'm]g'cZfcbY'cZ'h\Y'h\I hg'h\Ym]bhYbX'hc'UXXfYgg:]b'h\Y'a U'cf'YggUm'K f]hYb'ZYXVUW_ cb'h\]g'UW]j]mk]'VY'dfcj]YX'hc'YUW'gh XYbh'Vi h'h\Y'hUg_]g'bch[fUXYX" H\]g'UW]j]mi]g'XYg][bYX'hc Ugg]ghgh XYbhg'k]h'h\Y'dfYdUfU]cb'Zcf'h\Y]f'a U'cf'YggUm'

5ggYgga YbhHUg_g'

5ggYgga YbhHUg_	K Y][\h	8i Y'8UH'	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX
7'Ugg'HYgh) \$i		



F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

HYI hg`gi dd`]YX`cb`A ccX`Y.

7 c`cb]U`DcYfmUbX`DfcgY

@Uk gcbžDUHf gcbž6Umbrcb

DUXXmF cYžGY`YW]cbg`Zca` ; i`UfUVi`i`Grcf]Yg`Zca`hY`K Ygh? ja VYfYm

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`ihk]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`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 hWYX]h`

hUddfcdf]UHY`dUfUd`fUg]b[.`7`Ub[]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 hWYX]h`UbX`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'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci f'Wg'Dc`]Wm
- VY'Uk UfY'cZh'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dYW'X'cZYj Yfmcby'jb'h'Y'I BGK 'Wc a i b]m
- `cWJh'gYfj]Wg'UbX'jbZcfa Uh'cb'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 ""

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

5 WUXYa]WbZcfa Uhcb`

: cfYggYbhU`ghi XYbh]bZcfa Uhcb`fY`Uh]b[`rc.

- fYei Ygh`Zc`fYI hYbg]cb/

o

