



# ARTS2034

G\U\_YgdYUfYUb`8fUa U

HYfa`C.bY`#`&\$%-



GWcc`cZH`Y`5ftg`UbX`A`YXJU`#`I`BGK`..5ftg`UbX`GcWU`G`WY`bWg

7 ci fgY`Cj Yfj ]Yk

`GHUZZ7 cbhUWhi8YHU]`g`

`7 cbj Ybcfg`

B Ua Y	9a U]`	5j U]UV]]m	@cWU]cb	D\cbY
GYUb`Dfmc`f	g"dfmc`f4 i bgk "YXi "Ui	6mUddc]bha YbH`	F cVYfh K YVghYf`&%`	- ' , ) `+` %)

GWXcc``7 cbhUWhi`bZcfa Uh]cb

F cca " ` %&Z`Yj Y`` `F cVYfhK YVghYf`6i ]X]b[

D\cbY.`f\$&L`- ' , ) `( , ) \*

9a U]: [gUa 4 i bgk "YXi "Ui](#)

K YVg]Hf: [\hfdg.#gUa "Ufng"i bgk "YXi "Ui](#)

H\Y`GWXcc``cZHY`5fng`UbX`A YX]U`k ci `X``]\_Y`hc`F YgdYWZ` ``m5W\_bck`YX[ Y`hY`HfUX]h]cbU``7 i ghrX]Ubgz`  
hY`6YXY[ U`fP`Ybg]b[ hcb`WUa di gLz; UX][ U`f7 ]mUbX`5fhi`8Yg][ b`7 Ua di gYgE`UbX`hY`B [ i bbUk U`  
dYcd`Y`f5i ghU]Ub`8YZ`bVW` : cfW`5WUXYa mi]b`7 UbVYffUk`cZHY`UbXg`k \YfY`YUW`WUa di g`cZI`BGK` ]g`  
`cWUHYX"

7ci fgY'8YHJ]`g

7fYX]hDc]bhg '\*`

5ggYgga Ybh

5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \h	8i Y'8UH	Gh XYbh@YUfb]b[ Ci hWta Yg'5ggYggYX
A U'cf'9ggUm	) \$i	\$( #\$( #&\$%- '%%) - 'DA	%ž&ž ž(
HU_Y'<ca Y'9I Ua`	) \$i	&( #\$( #&\$%- '%%) - 'DA	&ž ž(

5ggYgga Ybh8YHU]`g

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

GHUfhXUH`.

8YHU]`g. '&ž\$\$\$'k cfXgžZYXVUW\_'dfcj ]XYX'j ]U'Hi fb]hb`"

Hi fb]hb`gYhb[ . 'H\]g'Ugg][ ba Ybh]g'gi Va ]hYX'h'fci [ \ 'Hi fb]hb`UbX'ghi XYbhg'Xc' bchgYY'Hi fb]hb`g]a ]Uf]mifYdcfng"

5ggYgga Ybh& 'HU\_Y'<ca Y'9I Ua`

GHUfhXUH`.

8YHU]`g. '&ž\$\$\$'k cfXgžZYXVUW\_'dfcj ]XYX'j ]U'Hi fb]hb`"

Hi fb]hb`gYhb[ . 'H\]g'Ugg][ ba Ybh]g'gi Va ]hYX'h'fci [ \ 'Hi fb]hb`UbX'ghi XYbhg'Xc' bchgYY'Hi fb]hb`g]a ]Uf]mifYdcfng"

F Ygci fWg

DfYgWfjVYX`F Ygci fWg`

BchiUj UjUVY

F YWca a YbXYX`F Ygci fWg

BchiUj UjUVY

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

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`m`YUfL` Ẓmci  
UfY`i bUV`Y`hc`gi Va ]hmc i f`Ugg][ ba YbhXi Y`hc`U`ZU`i`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 YbHgE`hc  
]bWi XY`Ug`Yj ]XYbW`hc`gi ddcfhmci f`YI H`bg]cb`Udd`j]W]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`U`g  
dfYgYbhU]cbg`k \YfY`gca YcbY`dfYgYbh]g`UbchYf`g`]XYUg`cf`k cfXg`k ]h`ci hW`YX]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 hW`YX]h`UbX`hc  
d]YW]b[ `hc[ Y`hYf`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 dYW'X'cZYj Yfmcby`]b'h'Y'I BGK 'W'a a i b]m
- `cW'W'h'gYfj ]W'g'UbX'j]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'fg'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 cghcZ'mci f'gh X]Yg'Uhl BGK ""

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



