



ARTS1630

☞hfcXi Wc fm>UdUbYgY '5

HYfa 'Hk c ''##'&\$%

7ci fgY`Cj Yfj JYk

`GHUZZ7cbhUWih8YHU]`g`

`7cbj Ybcfg`

B Ua Y	9a U]`	5j U]UV]`]m	@cWU]hcb	D\cbY
B U[]gU: i _i]	b"Z _i]4 i bgk "YXi "Ui	H65	A 6`&\$*	- ' ,) `&(%{

`Hi hcfj`

B Ua Y	9a U]`	5j U]UV]`]m	@cWU]hcb	D\cbY
M a _c`< Ug\]a chc	m"\Ug\]a chc4 i bgk "YXi "Ui	H65	A 6`&\$'	- ' ,) `` +&&
5 _]c`<]fUhgj _U	U"\]fUhgj _U4 i bgk "YXi "Ui	H65	A 6`&\$(`	- ' ,) `` +*'
5hca]`C\Ua U	U"c\Ua U4 i bgk "YXi "Ui	H65	A 6`&\$(`	- ' ,) `` +*'
H65`H65	\U`4 i bgk "YXi "Ui	H65	A 6&\$(`	- ' ,) `` +*'

GWXcc``7cbhUWih`bZcfa Uh]cb

GWXcc``cZ<i a Ub]h]Yg`UbX`@Jb[i U[Yg

@cWU]hcb. `GWXcc``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]bHg`*`

Gi a a UfmcZ\Y'7ci fgY

5ggYgga Ybh

8]WU]cb'E i]n' :]bU'9I Ua' :
 8]WU]cb'E i]n' :]bU'9I Ua' :
 8]WU]cb'E i]n' :]bU'9I Ua' :
 8]WU]cb'E i]n' :]bU'9I Ua' :
 8]WU]cb'E i]n' :]bU'9I Ua' :

5ggYgga YbhHUg_g'

5ggYgga YbhHUg_	K Y][\ h	8i Y'8UH'	Gh XYbh@YUfb]b[Ci hWta Yg'5ggYggYX
8]WU]cb'E i]n'	%)	K YY_('fB]WU]cb '%U:UbX K YY_ '%\$ 'fB]WU]cb' &Ł	'
A]X'HYfa 'HYgh	&\$	K YY_ '*	%ž&ž
8]WU]cb'E i]n'	&)	K YY_ ; 'Xi f]b['mci f'WUgg	%ž&ž)
:]bU'9I Ua' :	(\$	9I Ua' 'dYf]cXž5i [i gh%' ! 5i [i gh' %	%ž&ž ž(

5ggYgga Ybh8YHU]`g

5ggYgga Ybh% '8]WU]cb'E i]n'

GHUfhXUH' :

8YHU]`g.

8YHJ]g. :]bU`9I Ua `k]`VY`XY`X`Xi f]b[`h\Y`i b]] Yfg]mYI Ua `dYf]cX" `H\Y`YI Ua `]g`Zcf`&`\ci fg" `H\Y`hYgh
dUdYf`k]`VY`a Uf`YX`UZYf`h\Y`Wca d`Yh]cb`cZYI Ua "H\]g`]g`h\Y`Z]bU`UggYgga YbhiUg_`Zcf`UthYbXUbW
di fdcgY"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

%`5F HG%*` \$`bhfCXi Wc fmi>UdUbYgY`7 ci fgY`B cHfg

&"; Yb_]`%ž5b`]bhY[fUHx`Wci fgY`]b`Y`Ya YbHfmi>UdUbYgYžGYWcbX`9X]h]cbž6Ubbc"9ž=YXU" MžC \bc" MžG\]bU[Uk U"7 žHU_Ug_]`? žH\Y`>UdUb`H]a Yg`f&\$%%ž

'"; Yb_]`%ž5b`]bhY[fUHx`Wci fgY`]b`Y`Ya YbHfmi>UdUbYgYžK cf_Vcc_žGYWcbX`9X]h]cbž6Ubbc"9ž=YXU" MžC \bc" MžG\]bU[Uk U"7 žHU_Ug_]`? žH\Y`>UdUb`H]a Yg`f&\$%%ž

("; Yb_]`cb`]bY`g]hY` \hfd.##[Yb_]`UdUbh]a Yg"Wc" d#]bXYI SYb`

F YWca a YbXYX`F Ygci fWg

GYY`hY`Wci fgY`A ccXY

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

: cfa U`Yj U`i Uh]cbg`k]`VY`WcbXi WYX`VmIA m9I dYf]YbWžUbX`hY`fYgi`hg`k]`VY`i`gYX`hc`]a dfcj Y`Z`hi`fY

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`Y`UfL` 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 ghfY`H]b`mci f`h]W`Yhbi a VYf`Zca `9I H`fbU`Gi ddcfhfU`cb[`k]H`Ubmch`Yf`fY`Yj UbhXcW a Yb`hgL`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 gZ`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[YgZ`UfhUbX`XYg][b`dfc`YWgZ`Ug`k Y`Ug
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`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`Z`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]hU`bX`hc
d]YW]b[`hc[Y`hYf`ei chYg`UbX`dUfUd`fUgYg`]bhc`U`bYk`k \c`Y`Z`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`XUHY`Zc`f`Zc`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'Wcdmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'UbX'5WWhU'V'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
- `cWWh'gYfj]W'g'UbX']bZcfa 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'YW'f i \]XYg" \]VfUfm'i bgk "YXi "Ui #` \]gY#UVci h' \]gY](#)

5 WUXYa]WbZcfa Uh]cb`

: cf`YggYbh]U`gh XYbh]bZcfa Uh]cb`fY`Uh]b[`rc.

- fYei Ygh]Zcf`YI h`bg]cb/
- `Uh`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I BGK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua]bUh]cb`dfcVWXi fYg/
- gdYWU`Vtbg]XYfUh]cb`]b`+ g]X\$ _g/