



ARTS1250

< i a Ub'; Yc[fUd\m'GcWYmž'GdUW'UbX'HYff]rc fm

HYfa`Cby`#`&\$&%

7ci fgY`Cj Yfj]Yk

GHJZZ7cbHJW`8YHJ]`g

7cbj Ybcfg

B Ua Y	9a U`	5j U]UV]m	@cWJhcb	D\cbY
A Uf]i `A Y`c`Ni f]HJ	a Uf]i "a Y`c4 i bgk "YXi "Ui	7\YW_`A ccX`Y	' *%A cfj Yb 6fck b	

GWXcc``7cbHJW`bZcfa Uh]cb

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

@cWJhcb.`GWXcc``C Z]W`ZA cfj Yb`6fck b`6i]X]b[ž@Yj Y``&ž&),

Ce %o %o %o %o %o %o

7ci fgY'8YHJ]`g

7fYX]hDc]bng`*`

Gi a a UfmicZ\hY'7ci fgY

H\Y'X]gW]d`]bY'cZ\i a Ub`[Yc[fUd\mYI d'cfYg'hY'YbHUb['YX'fY'U]hcbg\]dg'VYfk'YYb'dYcd'YžYbj]fcb a Ybh
UbX'd'UWYg`]b'hY'k'cfX"'`b'h]g'Wci fgYžmci 'k]''XYj Y'cd'U'Zci bXU]hcbU''i bXYfghUbX]b['cZ\ck' W'h'fUž
gcW]Uždc`]h]W'UbX'YWcbca]WXmbUa]W]g\UdY''UbXgW]dYgž'hYgY'VY]b['fi'fUž'i'fVubž]b'hfUbg]h]cbg'cf
'bUhi'fU''Mci'k]''[UfbYf'U'h'YcfYh]W'YI dYf]gY'Zcf]b]hYfdYf]b['UbX'a U_]b['gYbgY'cZX]ZYfYbhid'UWYgž'UbX
\ck'hYfY'UfY'g\UdYX'Vma i 'h]d'Y'XmbUa]W]UWfcgg'gW]Yg'fZca 'hY'cW]h'c'hY'['cVU'É'H\Y'Wci fgY
Wcb]h]h]g]bZcfa YX'VmWcb]h]a dcfUfmUbX'd]cbYf]b['fYgYUfVX]b'\i a Ub`[Yc[fUd\mž'UbX'mci 'k]''W]h]W'm
YI d'cfY'fYgYUfVX'W]gY'gh X]Yg'h'U]hUfY'XfUk b'Zca 'U'a]'cZ5i g]fU]Ub'UbX']b]h]fbU]h]cbU'YI Ua d'Yg"

7ci fgY'@YUfb]b[`Ci hWca Yg

%`I bXYfghUbX'U'k]XY'fUb[Y'cZ[Yc[fUd\]W]''gi V!žY'Xg'h'U]h U_Y'i d'hY'X]gW]d`]bY'cZ<i a Ub
; Yc[fUd\m
&" 8Yj Y'cd'U'WcbW]dh] U''i bXYfghUbX]b['cZd'UWY'UbX'gdUWY
' " ðYb]h]žž'UbU'mgY'UbX'YI d'U]b'\ck' [Yc[fUd\]W]gW]Uf'ZcfWY'g\UdY''UbXgW]dYg
(" 8Yj Y'cd'[Yc[fUd\]W]UbU'mgY'cZW]gY'gh X]Ygž'k]h'XYa cbghfU]h'X'UV]]]m]h'UggYa V'Yž
gmb]h]Yg]gY'UbX'Wca a i b]W]h'ž]bX]b[g'UbX']b]h]fdYf]h]cbg

HYUWX]b[`GhfU]h[]Yg`

Hk c!\ci f'YW]h fY/cbY'h]hcf]U'/cbY'\ci f'cb]bY"'Cj Yf'- 'k YY_g"

9UWX'k YY_'g'Wcb]h]bhk]''VY'ghfi W]h fYX'Ufci bX'U'gdYW]žW]gi V!X]gW]d`]bY'fY"["ž9Wcbca]W; Yc[fUd\m/
Dc`]h]W]; Yc[fUd\mY]h]W]b'<i a Ub; Yc[fUd\m'`k]'']bj c] Y'Ub]b]h]cXi W]h]cb'hc'hY'gi V!X]gW]d`]bY'Vm]h]Y
Wci fgY'Wcb]Ybcfž'Zc''ck YX'Vm]U'[i Ygh'YW]h fY'Zca 'k]h]b; UW'hm]gh]ZZa Ya VYf'k'lc]g'U'gdYW]U]gh]b'U
gi V!žY'X"'H\Y'[i Ygh'YW]h fY'k]''ZcW]g'cb'\][\][\]h]b['hY'fY'Yj UbVW'cZ'hY'gi V!h]Ya Y'h]fci [\'[fci bXYX
W]gY'gh] XmiYI Ua d'Yg"



) \$\$'k cfXg"

Hi hcffg'ZYXVUW_[]j Ybz"b_YX'hc'fi Vf]WZcf'hY'UggYgga Ybh"

Hi fb]hb'gYhb[. 'H\]g'Ugg][ba Ybh]g'gi Va]hX'h'fci [\ 'Hi fb]hb'UbX'ghi XYbhg'Xc'bcHgYY'Hi fb]hb
g]a]Uf]mfYdcfgy"

5 hYbXUbW F Yei]fYa Ybhg

Gh XYbhg'UfY'ghfcb['mYbWci fU[YX'hc'UhhYbX'U''WUggYg'UbX'fYj]Yk ''YWhi fY'fYWcfX]b[g"

7 ci fgY'GWXYXi `Y

[J \]Yk WUgg'hja YhUVY](#)

H]a YhUV`Y`

8UhY	HmdY	7cbhYbh
K YY_% %): YVfi Ufm! %- : YVfi Ufm	@YWhi fY	÷fXci W]cb. U'W]hWU`'ci fbYmUWcgg'hYff]hc fmž gdUWY'UbX'd`UW
K YY_&.&&: YVfi Ufm! &* : YVfi Ufm	@YWhi fY	Dc`]hWU`'; Yc[fUd\]Yg.'gcj YfY][b mž'b'f) 'f)

F Ygci fWg

F YWca a YbXYX'F Ygci fWg

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

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

Hi fb]h]b`Gi Va]gg]cb

Ʒmci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UHfYa` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiHfci`[`\`Hi`fb]h]b`z`d`YUgY`
HY`Yd`cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`"``'``%cf`Ya`Uj`h`Ya`cb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`""Gi`ddcfh`
`lci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`f1`*)`XUmg`U`mY`Uf2`Ʒmci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiXi`Y`hc`U`ZU`ihk`]h`Hi`fb]h]b`mci`a`UmUdd`mZc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`
a`i`ghfYhU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Ybhtg`L`hc`
]bWi`XY`Ug`Yj`]XYbVW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb`"Ʒmci`Ya`Uj`9I`HYfbU`Gi`ddcfhmc`i`k`]`
Ui`hca`UH]WU`mifYW]j`Y`U`h]W`Yhbi`a`VYf`z`Vi`h]Zmci`HY`Yd`cbY`mci`k`]`bYYX`hc`gdYW]Z]WU`mUg`Zc`f`cbY`"
Hi`fb]h]b`U`gc`dfcj`]XYgi`dXUH`g`cb`h`Y]f`gmghYa`g`hU`h`g`cb`Hk`]hYf`"

;`YbYfU`mz`UggYgga`YbhiUg_g`a`i`ghVY`gi`Va`]hYX`Y`YWfcb]WU`mj`]U`Y]h`Yf`Hi`fb]h]b`cf`U`A`ccX`Y`
Ugg][`ba`Ybhi`h]b]bg]h]bVW`g`k` \YfY`h`lg`]g`bchidcgg]V`Yz`]hk`]`VY`ghUHYX`cb`mci`f`Wci`fgY`g`A`ccX`Y`g]h`k`]h`
U`HYfbU]h]`Y`gi`Va`]gg]cb`XYhU]g`"

:`cf]bZcfa`Uh]cb`cb`lck`hc`gi`Va`]hUgg][`ba`Ybhtg`cb]bY`j`]U`A`ccX`Y`.`h`hdg`#gh`XYbhi`bgk`"YXi`"Ui`#ck`!
gi`Va`]hUgg][`ba`Ybhta`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]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]]hYg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wcdmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi WñUbX'5WwdfUV'Y'I gY'cZ
I BGK '⇒H'F Ygci fW'g'Dc`]Wñ
-

5 WUXYa]W=Zcfa Uh]cb

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[`tc.

- fYei Ygth]Zc`YI H`bg]cb/
- `Uh`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/