



# ARTS1541

hfcXi Wc fm; fYY\_ '6

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

7ci fgY`Cj Yfj ]Yk

GHJZ7cbHJW`8YHJ]`g

7cbj Ybcfg

B Ua Y	9a U`	5j U]UV]]m	@cW]hcb	D\cbY
9Zcg]b]8Y`][ ]Ubb]	Y"XY`][ ]Ubb]4 i bgk "YXi "Ui	6miUddc]bha Ybh	A 6&+\$ fA cfj Yb 6fck b'6`X[ Ț	f\$&Ț-' , ) &% ,

7 ci fgY'8YHJ]`g

7 fYX]hDc]bhr '\*`

Gi a a UfmicZ`h`Y'7 ci fgY

H\]g`Wci fgY`]g`U`Wcb]bi Uh]cb`cZ`bfcXi Wc`fm; fYY\_`5`k` \]M`]g`U`dfY!fYei`]g]h`Zi`b`Ygg`mci`k` \c` \Uj`Y`  
c`h`Y`fk`]gY`U`Wci`]fYX`U`VUg]W\_bck`YX[`Y`c`Z`fYUX]b[`zk`f]h]b[`UbX`gdYU\_]b[`; fYY\_`"``#`dfcj`]XYg`Ub`]bfcXi`Wc`fm`  
h`c`]b`h`fa`YX]U`h`Y`Y`dfc[`fUa`]b]; fYY\_`Ub[`i`U[`Y`gh`Xm`UbX`W`h`fY`"6`Ug]W[`fUa`a`U`h`W`"UbX`gmb]h`U`h`W`  
UgdY`Wg`cZ; fYY\_`UfY`Z`f`h`Y`f`YI`Ua`]bYX`h`fci`[`\`c`f`U`z`"gh`b]b[`UbX`fYUX]b[`U`W]j`]h`Y`g`"H`Y`a`cfd`c`c[`m`UbX`  
g`f`i`W`h`fY`c`Z`h`Y`"Ub[`i`U[`Y`UfY`dfYg`Yb`h`YX`]b`h`Y`W`cb`h`I`hc`Z`W`h`fU`"m`f`Y`Yj`Ub`h`c`d]Wg`k` \]M`W`cb`W`fb`h`Y`  
fYY\_`YI`d`a`c`X`f`b; fYY\_`k`c`f`X`"H`Y`g`Y`UfY`U`gc`d`f`Y`g`Yb`h`YX`]b`h`Y`W`cb`h`I`hc`Z`W`h`fU`"m`f`Y`Yj`Ub`h`c`d]Wg`k` \]M`W`cb`W`fb`h`Y`  
]b`W`i`X`Y`UgdY`Wg`c`Z`d`c`d`i`U`f`W`h`fY`UbX`W`f`f`Y`b`h`U`Z]j`f`g`"H`Y`g`Y`h`c`d]Wg`k`]`"V`Y`YI`d`c`f`Y`X`]b[`fY`U`h`f`X`Y`H`J`h`U`b`  
]b`bfcXi`Wc`fm; fYY\_`5`"

H\fc] [ \`h`Y`gh`XmicZ`h`Y`"Ub[`i`U[`Y`UbX`W`h`fY`mci`k`]`Z`f`h`Y`f`XYj`Y`cd`Ub`]b`Z`c`f`a`Y`X`i`b`X`Y`f`g`h`U`b`X]b[`c`Z`  
; fYY\_`YI`d`Y`f`Y`b`W`g`z`W`h`fY`g`]b[`Y`b`Y`f`U`z`g`c`W`Y`h`Y`g`UbX`k`c`f`X`j`]Y`k`g`"M`ci`k`]`"U`j`Y`h`Y`c`d`d`c`f`h`b]m`h`c`  
Z`f`h`Y`f`XYj`Y`cd`]b[`i`]g`h]W`h`c`g`h`c`V`Y`U`V`Y`h`c`U`W`ci`]fY`a`c`fY`X`Y`H`J`Y`X`W`c`a`a`i`b]W`h`j`Y`g`\_`h`j`Y`%o`

## 5ggYgga Ybh

8YHJ]YX`]bZcfa UH]cb`UVci hUggYgga Ybhk ]`VY`i d`cUXYX`i bXYf`3eeWee\_ W f;` Xad\_ Sf[a` `cb`A ccX`Y`"H\Y fYWta a YbXYX`fYZfYbW]b[ `gmghYa `]g`5D5"

## 5ggYgga YbhHUg\_g`

5ggYgga YbhHUg_	K Y][ \h	8i Y`8UH`	Gh XYbh@YUfb]b[ Ci hWta Yg`5ggYggYX
@]ghYb]b[ `E i ]n`	&\$i	&, #/\$#&\$\$ \$& \$\$`DA	&

Hi fb]h]b'gYh]b[ . 'H\]g ]g' bchU'Hi fb]h]b'Ugg][ ba Ybh

5ggYgga Ybh' . 'CfU`dfYgYbh]h]cb

GhUfhXUHY.



# F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

Bc`g]b[ `Y`hYl hVcc\_`k ]`VY`i`gYX" `F Yei ]fYX`fYUX]b[ g`UbX`UXX]hcbU`a Uhf]U`k ]`VY`i`d`cUXYX`cb`A`ccX`Y`U`k`YY`\_]b`UXj`UbW"

h]g`U`gc`\][ \`mUXj ]gUV`Y`h`Uhmci`Vi`miU`; fYY\_!9b[ `]g\`#9b[ `]g\!; fYY\_`X]W]hcbUfm`H\Y`DcW`YhCI`ZcfX` ; fYY\_`8]W]hcbUfm]g`fYWca`a`YbXYX.

>"H`Df]b[ `&\$\$\$" `DcW`YhCI`ZcfX`; fYY\_`8]W]hcbUfm`CI`ZcfX.`CI`ZcfX`I`b]j`Yfg]miDfYgg"

5`h`ci`[ \`bchUVgc`i`h`m`YggYbh]U`z`Ug`h`Y`Wci`fgY`dfc[ fYggYg`mci`a`Um`U`gc`Z]bX`; fYY\_`[`fUa`a`Uf`fYgci`fWg]j`Yfm`\Y`dZ` `fa`mfYWca`a`YbXYX`gY`YW]cb`k`]`VY`i`d`cUXYX`cb`A`ccX`Y`i`bXYf`3VV[f[a`S^5a`fW`f`~`D`W`ag`d`W`e`Z`9`d`W]`9`dS`\_`\_`Sd`"

# F YWca a YbXYX`F Ygci fWg

- 5XX]h]cbU`F YUX]b[ g.

A`"DUdU`mf[ ]ci`/`J`"DUbU[ ]ch]Xci`f&\$\$(`E`"?`\_]`ghU`9``]b]\_U`f7`]W`cb); fYY\_`E`"@j`Y`5%"`H\YggU`cb]\_].`7YbhY`Zcf`; fYY\_`@Ub[ i`U[ Y`fUj`U]UV`Y`Uhi`BGK` ``]VfUfmUbX`I`BGK` `Vcc\_g\cdE`"

?`"/`:`"5fj`Ub]hU`\_]g`"f&\$\$&`UbX`"UHf`fYX]h]cbgE`"9d\_]bcb]ghY`9``]b]\_U`%`f7`ca`a`i`b]W]hY`]b); fYY\_`%E`"5hYbg.`8Y`hg`Di`V`]W]h]cbg`fUj`U]UV`Y`Uhi`BGK` ``]VfUfmUbX`I`BGK` `Vcc\_g\cdE`"

8`"Hc`]Ug`YhU`"f&\$\$%E`"?`gY\_]bcb]Ug`fGhUfh]b[ `C`Z`E`"5hYbg.`<Y`Yb]W5a`Yf]W]b`I`b]cb`fk`]h`" `Ui`X]c`7`8`gE`fUj`U]UV`Y`Uhi`BGK` ``]VfUfmUbX`I`BGK` `Vcc\_g\cdE`"

- K YVg]hYg.

`\`hd.##`k`k`"\`Ui`"[`f#]1`YUfb]b[ "Yb`\ca`Y`fh`Y`c`Z]W]U`g]h`c`Z`h`Y`<Y`Yb]W5a`Yf]W]b`I`b]cb`z`k`\]W`]b`Wi`XYg`UXX]h]cbU`Y`YWfcb]WfYgci`fWg`Zcf`h`]g`Wci`fgYk`"

`\`hd.##`k`k`"I`Ub`h`]"`gd`"[`f#]c[`#`fi`]c[ `cg]U`]g`h`Y`VYghcb`]b`Y`Wci`fgY`Zcf`A`cXYfb`; fYY\_`VY[ ]bbYfg`dfc] ]XYX`Vm`h`Y` `bgh]h`h`Y`Zcf`@Ub[ i`U[ Y`UbX`Gd`YYW`Dfc`W`gg]b[ k`"

Gi Va ]gg]cb`cZ5ggYgga YbhiHUg\_g

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

≠mci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UHYa` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiHfci`[`\`Hi`fb]h]bzd`YUgY`  
HY`Yd\cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`"``"``%cf`Ya`Uj`hYa`icb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`""Gi`ddcfh`  
\ci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`icb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`icb`k`YY`YbXg`fI`\*)`XUmg`U`mY`UfI`≠mci`  
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiXi`Y`hc`U`ZU`ihk`]h`Hi`fb]h]b`mci`ia`UmUdd`mZc`f`Ub`YI`HYbg]cbz`Vi`hmc`i`  
a`i`ghfYhU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhfU`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`≠mci`Ya`Uj`9I`HYfbU`Gi`ddcfhmc`i`k`j`  
Ui`hca`UH]WU`mifYW]j`Y`U`h]W`Yhbi`a`VYfz`Vi`h]Zmci`HY`Yd\cbY`mci`k`j`bYYX`hc`gdYW]Z]WU`mUg`Zc`f`cbY`  
Hi`fb]h]b`U`gc`dfcj`]XYg`i`dXUH`g`cb`h`Y]f`gmghYa`ig`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`g`]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`\ck`hc`gi`Va`]hUgg][`ba`Ybhtg`cb]bY`j`]U`A`ccX`Y`.\`hhdg`#gh`XYbhi`bgk`"YXi`"Ui`Ack`!  
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`U`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]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'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 cghicZmci f'gh X]Yg'Uhl BGK ""

[\h'hd.##ji V'Y'W'i \]X'Y'g""\]VfUfm'i bgk "Y'X'i "U'i #' \]gY#\]Vci h' \]gY](#)

