



ARTS2485

9l d`cf]b[`: fYbVX `@]b[i]gh]Wg

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

7ci fgY`Cj Yfj]Yk

GHJZZ7cbHJW`8YHJ`g

7cbj Ybcfg

B Ua Y	9a Uj`	5j Uj`UVj]m	@cWUjcb	D\cbY
<i [i Yg`DYHfg	\`dYHfg4 i bgk "YXi "Ui	C b`]bYzVm Uddc]bha Ybh	A 6`&+)	\$& - ' ,)%(\$`# - \$*)`- ++)

GWXcc``7cbHJW`bZcfa Ujcb

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

@cWUjcb. `GWXcc``C Z]WzA cfj Yb`6fck b`6i]X]b[ž@Yj Y`&z&),

CdYb]b[`<ci fg. `A cbXUm!` : f]XUmž- Ua `!`) da

D\cbY. `ž*%&`- ' ,) `%*, %

: U! . `ž*%&`- ' ,) ; , +\$)

9a Uj`. [\U`4 i bgk "YXi "Ui](#)

7 ci fgY'8YHJ]`g

7 fYX]hDc]bHg`*`

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

H\]g`Wci fgY`hJi [\h]b`9b[`]g\`cZYfg`U`gmghYa Uh]WWca dUf]gcb`cZ: fYbWk`UbX`9b[`]g\`Ug`Zf`Ug`gci bXgž
j`cWUvi`Ufmžk`cfX`Zcfa`Uh]cbž`UbX`gYbH`bW`ghfi`Wfi`fY`UfY`VcbW`fbYX`" `k]`ZcW`g`cb`h`Y`hmd]WU`X]Z]W`h]Yg
YbWci`bH`fYX`Vm`YUfbYfg`cZ: fYbWk`]b`dfcbi`bW]Uh]cbž`cfh`c[`fUd`mž`UbX`[`fUa`a`Uf`]b`cfXYf`h`c`[`]j`Y`h`Ya`h`Y
h`c`g`h`c`]a`dfcj`Y`h`Y]f`UWV`fUW`h`UbX`VYWca`Y`]b`XYdYb`XYb`h`YUfbYfg"

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

%`5dd`miU`W]h]W`i`bXYfgh`UbX]b[`cZ`h`Y`h`c`g`UbX`a`Y`h`c`X`g`c`Z`]b[i]gh]W]bei]fm'
&"`9i`Ua`]bY`h`Y`j`Uf]ci`g`]b[i]gh]WWU]hY[`cf]Yg`]b': fYbWk`gci`bXgž`a`cf`d`Ya`Ygž`k`cf`Xgž`d`fUgYg`UbX
WU]i`gYg"
'`" `7ca`dUfY`j`Uf]ci`g`]b[i]gh]WWU]hY[`cf]Yg`]b': fYbWk`UbX`9b[`]g\
("`X`Y`b`h`Z`m`g`c`a`Y`Z`Y`h`f`Y`g`c`Z`]b[i]gh]WX]j`Yfg]m'

HYUWk`]b[`G`h`f`U`h`Y`[`]Yg`

F`Uh]cb`U`Y.

H\]g`Wci fgY`dfcj`]XYg`Ub`]b]fcXi`W]cb`h`c`h`Y`ghfi`Wfi`fY`cZ`h`Y': fYbWk`Ub[i U[Y`UbX`k`]`ZcW`g`cb`h`Y`hmd]WU`
X]Z]W`h]Yg`YbWci`bH`fYX`Vm`9b[`]g\!gdYU_]b[`YUfbYfg`cZ: fYbWk`"5`cZci`f`gh`XYbHg`\Uj`Y`9b[`]g\`Ug`cbY
cZ`h`Y]f`Ub[i U[Yg`Ug`U`b`U]j`Y`cf`U`gY`VcbX`Ub[i U[Y`"Gc`Vcb`h`f`Ugh]b[`h`Y`h`k`c`a`U`Yg`g`YbgY`"K`Y`k`]`U`gc
[]j`Y`h`Y`c`d`d`c`f`h`b]m`Zc`f`gh`XYbHg`k`\cgY`Z]fgh`Ub[i U[Y`]g`b`ch`9b[`]g\`h`c`a`U`Y`di`bWfi`U`Vca`dUf]gcb`k`]h
h`Y]f`Z]fgh`Ub[i U[Y`]b`Ub`c`fU`[`fUa`a`Uf`dfYgYb`h]cb"

H\]g`Vcb`h`Y`h`i`U`gh`X]Yg`Vci`fgY`]g`]b]hY[`fU]h`X`k`]h]b`h`Y': fYbWk`gh`X]Yg`dfc[`fUa`ž`Ug`]hVi`]Xg`cb`h`Y
YUfb]b[`cZ`h`Y`ghfi`Wfi`fYg`X]g`Vci`YfYX`]b`Ub[i U[Y`Vci`fgYgž`UbX`Vca`d`Ya`YbHg`c`h`Yf`]b[i]gh]W`m

5ggYgga Ybh

: YYXVUW_cb`UggYgga Ybhbcfa U`mHJ_Yg:%\$`k cf_]b[`XUmj"

5ggYgga YbhHJg_g

5ggYgga YbhHJg_	K Y][\h	8i Y`8UH	Gh XYbh@YUfb]b[Ci hWta Yg`5ggYggYX
HYgh) \$i	8i f]b[``YWñ fY. f]E>i bY`&&ž &\$&%fk YY_(E/f]]E>i `m% ž &\$&%fk YY_`+E	%ž&
Dfc YWñ) \$i	f]E`H\Y`[fci d`cfU` dfYgYbhU]cb`jg`Xi Y`Vm>i `m &*ž&\$&%Uhi) da `fk YY_`- E/f]]E H\Y`]bX]j]Xi U`k f]Hb`fYdcfh]g Xi Y`Xi f]b[`H\Y`YI Ua]bU]cb dYf]cX. `cb`5i [i gh%*ž&\$&% Vm) `da "	' ž(

5ggYgga Ybh8YHJ]`g

5ggYgga Ybh%`HYgh

GhUfhXUH. `Bch5dd`]WV`Y

@Yb[h. `WU") \$`a]b" YUW

8YHJ]`g.

Hk c`]b!WUgg`HYgh`cZVW") \$`a]bi HYg`YUW`Wc] Yf]b[`H\Y`Wc`bh`bhcZ`H\Y`Wc`i fgY`j]U`dfcV`Ya `gYhg`UbX`g\cfh
YggUmei Ygh]cbg" `H\Y`gi a a Uh] Y`HYgh`UfY`dfYVW`XYX`VmZ`cfa Uh] Y`k YY_`mcb`]bY`UbX`#cf`h`rcf]U`YI YfW]gYg"

: YYXVUW_`j]U`]b!WUgg`X]gW`gg]cbžYffc`f`Wc`ffYW]cbžUbX`k f]Hb`Wc`a a Yb]g"

5XX]h]cbU`XYHJ]`g.

H\Y`HYghk]`VY`Wc`bXi W`X`cb`]bY"

Hi fb]h]b`gYH]b[. `H\]g`]g`bchU`Hi fb]h]b`Ugg][

glfi Wñ fYÉ'ħ\Ymk Ubhlc `Yb\UbW"

- H\Yma U_Y`U`WJ"&\$!a]bi ħ`[fci d'dfYgYbHh]cb`[]j]b[`Ub`UbU`mg]g'cZgY`YWYX`ZYUh fYg'cZħY : fYbW`Ub[i U[Y`UbX`Wca dUfY`ħ\Ya `k]ħ`ħ\Y]f`Yei]j U`Ybh]b`9b[`]g\`UbX#cf`cħ\Yf`Ub[i U[Yg f&) i `É`H\Y`cfU`dfYgYbHh]cb`WUb`VY`XcbY`]b`WUgg'cf`j]U`cb`]bY`a YUbg"

5 HbXUbW F Yei]fYa Ybhg

5 HbXUbW cZHi hcf]U'g]g'a UbXUhc fm]b h]g'Wci fgY" 5 HbXUbW hc'gnbWkfc bci g'YWi fYg]g'ghcb['m YbWci fU[YX'UbX'ghi XYbhg UfY fYei YghYX'hc'fYj]Yk 'YWi fY'fYWcfX]b[g'Zcf'WUggYg'a]ggYX" i bYI W gYX UVgYbW'Zfca 'a cfY'h'Ub'&\$i 'cZHi hcf]U'g'k]'fYgi 'h]b'h'Y'Uk UfX'U'Z] '[fUXY"' b'YWi fYg'UbX'h' hcf]U'g mci 'k]'UW]j Y'mYb[U[Y'k]h'WcfY'Wci fgY'WcbhYbhz'YbUV]b['mci 'hc'UhtU]b'7 @C %UbX'7 @C &" 5 HbXUbW k]'fYgi 'h]b'U'fYWcfYX'UfHY ZJW'fUb'UfHY ZJW'Zcf'dUfH]W'dU]h]cb'a Um]bWi XY'U'dcghz'cf'fYgdcbgY'hc'Ub'cb']bY X]gW'gg]cb'Zcfi a ždc''cf'ei]nžk \]Y'Ub'UfHY ZJW'Zcf'a UbXUhc fm]UfHY bXUbW'a Um]bWi XY'U'fYWcfX'cZ UfHY bXUbW'k"

7 ci fgY'GWXYXi `Y

[J \]Yk 'WUgg'h'a YhUVY](#)

H]a YhUV`Y`

8 UHY	HmdY	7 cbhYbh
K YY_% " %A Um! '(>i bY	Hcd]W	<p>h]fcXi W]cb'hc'h'Y'UmdYfgcb]g'j Yfgi g''b[i]g]hfi UddfcUW'hc''Ub[i U[Y</p> <p>9I d'cf]b['h'Y: fYbW'Ub[i U[Y: '7 \UdhYfg'%/ '&"</p> <p>GhYfYcmdYg'UVci h'h'Y: fYbW'Ub[i U[Yž dfYgW]dhj]ga 'j Yfgi g'XYgW]dhj]ga ž'Zcf'a U'j Yfgi g]bZcf'a U'ghmYg</p> <p>GYa]bUf'YI YfW]gYg</p>
	< ca Yk cf_	

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

- @cX[Y`5`"WfS^f&\$\$`'0%`-`+0"7j b`ad` Y fZW8dW UZ`>S` YgSYW`@cbXcbž5fbc`X"
- 5XX]hcbU`a UHf]U`g`dfcj]YX`j]U`A ccX`Y"

F YWca a YbXYX`F Ygci fWg

K Y`UXj]gY`mci` h`c`di fWUgY`Y]hYf`cbY`cZhY`Zc`ck]b[` [fUa a Uf`fYZYfYbW`Vcc_g`k f]hYb`]b`9b[`]g\.

- A cftcb`>`f&\$\$`-`E`7` Y feZ`9`dS`_`_` SdXdEfgVW`fe`aX8dW`UZ`"H\Y`C`]j]U`UbX`<`]`DfYgg"
- A VB`UV`F`"f&\$\$`*`E`"8dW`UZ`YdS`_`_` Sd`_`SVWWSek`"F`ci`hYX`[`Y"

H\YgY`Vcc_g`[`]` Y`WYUf`YI`d`UbUH]cbg`]b`9b[`]g\`UVci`h:`fYbW`[`fUa`a`Uf`g]hUf]b[`Zca`h`Y`Yj`Y`cZUVgc`i`h`VY`[`]bbYfg`"Zmci`UfY`UhU`a`cfY`UXj`UbW`X`Y`Y`Zmci`a`Umik`Ubh`c`i`gY`U`a`cfY`UXj`UbW`X`fYZYfYbW`[`fUa`a`Uf`fgY`Y`h`I`h`Vcc_g`fYWca`a`YbXYX`]b`mci`f:`fYbW`"Ub[`i`U[`Y`Wci`fgYgE`"

5XX]hcbU`mžmci`g\ci`X`h`]b`_`UVci`h`UWci`]f]b[`U`[`ccX`X]W]cbUfm`Zmci`]b`hYbX`h`c`Xc`U`a`U`cf`]b`fYbW`žk`Y`fYWca`a`YbX`h`Uh`mci`Vi`mU`Uf`[`Y`V`]b[`i`U`f`fYbW`!9b[`]g\`#9b[`]g\!:`fYbW`E`X]W]cbUfm`Mci`g\ci`X`Vi`m`h`Y`V`[`[`YghX]W]cbUfm`mci`WUb`UZ`c`fX`U`dcW`Y`hg]nY`cf`W`cbW]g`X]W]cbUfmk`]`ei`]W`_`mdfcj`Y`]b`UX`Y`ei`UH`"H\Y`Zc`ck`]b[`X]W]cbUf]Yg`UfY`Uj`U]UV`Y`Zca`h`Y`6cc_g`d.

- 9ggYbh]U`":`fYbW`8]W]cbUfm/`";`fUa`a`Uf`"&bX`9X`"<`UfdYf`#`c`"bg"
- C`I`Zc`fX`I`<`UW`Y`hY`":`fYbW`8]W]cbUfm`C`I`Zc`fX`"

Gi Va]gg]cb 'cZ5ggYgga YbhiHUg_g

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

Ʒmci 'YbWci bHYf'U'dfcV'Ya 'k \Yb'UH'Ya dh]b['hc'gi Va]hmc i f'Ugg][ba YbhiH'fci [\ 'Hi fb]h]bž'd'YUgY
HY'Yd\cbY'9I HYfbU'Gi ddcfhcb'-',) " ' ' %cf'Ya U] 'H'Ya 'cb'YI HYfbU'HY'fgi 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'YUfI" Ʒmci
UfY'i bUV'Y'hc'gi Va]hmc i f'Ugg][ba YbhiXi Y'hc'U'Zi 'hk]H'Hi fb]h]b'mci 'a UmUdd'm'Zcf'Ub'YI HYbg]cbž'Vi hmc i
a i ghfYHU]b'mci f'h]W_Yhbi a VYf'Z'ca '9I HYfbU'Gi ddcfhfU'cb['k]H'UbmcH'Yf'fY'Yj UbhXcW a YbHgE'hc
]bWi XY'Ug'Yj]XYbVW'hc'gi ddcfhmc i f'YI HYbg]cb'Udd'jW]h]cb" Ʒmci 'Ya U] '9I HYfbU'Gi ddcfhmc i 'k]
Ui 'ca UH]WU'm'fYW]j Y'U'h]W_Yhbi a VYfž'Vi h]Zmci 'HY'Yd\cbY'mci 'k]'b'Y'X'hc'gd'Y'W]WU'm'Ug_'Zcf'cbY"
Hi fb]h]b'U'gc'dfcj]XYg'i dXUH'g'cb'H'Y]f'gmgh'Ya 'ghU'hi g'cb'Hk]H'Yf"

; YbYfU'mž'UggYgga YbhiHUg_g'a i ghVY'gi Va]H'Y'X'Y'Y'W'fcb]WU'mj]U'Y]H'Yf'Hi fb]h]b'cf'U'A ccX'Y
Ugg][ba YbH' 'b]bgHUbVW'g'k \YfY'H'g]g'bc'hd'cgg]V'Yž'hk]'VY'gh'UH'X'cb'mci f'Wci fgY'g'A ccX'Y'g]H'k]H
U'HYfbUH] Y'gi Va]gg]cb'XYHU]g"

: cf]bZ'fa UH]cb'cb'\ck 'hc'gi Va]hUgg][ba YbHg'cb]bYj]U'A ccX'Y. \H'hdg.#gh XYbH'i bgk "YXi "Ui #ck!
gi Va]hUgg][ba YbH'a 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]]hYg'Ug'U'gh XYbhUhl BGK
-

5 WUXYa]WbZcfa Uh]cb

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

- fYei Ygh]Zcf`YI H`bg]cb/
- `Uh`gi Va]gg]cbg`[i]XY`]bYg/
- fYj]Yk `cZa Uf_g/
- I B GK `<YU`h`UbX`GUZY`midc`]WYg/
- YI Ua]bUh]cb`dfcW`Xi fYg/
- gdYW]U`W`bg]XYfUh]cb`]b`hY`Yj YbhcZ]`bYgg`cf`a]gUXj Ybh fY/
- gh XYbhYei]mUbX`X]gUV`]m/
- UbX`c`hYf`YggYbh]U`UWUXYa]W]bZcfa Uh]cbz`gYY