



# **ARTS3065**

GWfYYb'9ach]cbg.'5ZYWfUbX'7]bYaU

HYfa 'C bY ''## '&\$&\$

# 7 ci fgY<sup>-</sup>Cj Yfj ]Yk

# `GHJZZ`7cbHJWh`8YHJ]`g`

#### '7cbj Ybcfg'

BUa Y	9a U]`	5j U]`UV]`]m	@cWUh]cb	D∖cbY
8f`>cX]`6fcc_g		K YXbYgXUmg'%%% UbX'ch\Yf'h]a Yg'Vm Uddc]bha Ybh		-',))*')

# GWXcc``7cbHJWhi=bZcfaUhjcb

Fcca " &&ž`Yj Y`" FcVYfhK YVghYf6i ]`X]b[

D\cbY.`f\$&Ł`-',)`(,)\*

9a U]`. <u>'gUa 4 i bgk "YXi "Ui</u>

K YVg]hY. <u>http://t</u>

H\Y'GW\cc``cZh\Y'5fhg'UbX'AYX]U'k ci `X``]\_Y'hc'FYgdYWb2 ``m5W\_bck `YX[Y'h\Y'HfUX]h]cbU``7i ghcX]Ubgž h\Y'6YXY[U``fPYbg]b[hcb'WJa di głž; UX][U``f7]hm'UbX'5fh/ '8Yg][b'7Ua di gYgŁ'UbX'h\Y'B[i bbUk U` dYcd'Y'fБi ghfU`]Ub'8YZYbW': cfW'5WJXYam']b'7UbVYffUŁcZh\Y``UbXg'k\YfY'YUW\'WJa di g'cZI\_BGK ']g `cWJhYX"

# 7ci fgY<sup>·</sup>8YHJ]`g

# 7 fYX]hDc]bhg\*\*\*

# Gi a a UfmcZh\Y 7ci fgY

: cf`a i W\`cZ]hg`\]ghcfmžW]bYa U`\Ug`VYYb`Vch\`cj YX`UbX`fYj ]`YX`Zcf`]hg`UV]`]hmitc`a cj Y`Ui X]YbWfg`UbX a U\_Y`i g`"ZYY`"" =b`h\]g`Wci fgYžmci `k ]``YI d`cfY`ci f`Wca d`YI `]bj Ygha Ybhg`]b`W]bYa U`g`UZYWf]j Y`WUdUW]h]Yg" A cj ]b[ `UWfcgg'j Uf]ci g`[ YbfYg`UbX`Zcfa g`- Zcf`YI Ua d`Y`g]`YbhZ]`a `a Y`cXfUa Ugž`cb[ `Zcfa `h'`Yj ]g]cb XfUa Už`Wfcggcj Yf`Z]`a gž'XcW`a YbhUfmž'ei YYf`W]bYa U`UbX`]bXYdYbXYbhW]bYa U`- mci `k ]``YI Ua ]bY`gca Y cZh\Y`k Umg`]b`k \]W\`UZYWhUbX`Ya ch]cb`UfY`gi a a cbYX`UbX`YbUWhYX`]b`gWfYYb`a YX]U"`H\fci [ \`U`WcgY ghi XmcZ`\_YmWcbWYdhg`UbX`XYVUhYg`]b`h\Y`X]gW]d`]bY`UbX`gWfYYb`hYI hgžmci `k ]```[ U]b`Ub`i bXYfgHUbX]b[ `cZ \ck `UbX`k \mei Ygh]cbg`UVci hgWfYbf]b['E`Ya ch]cbg`Wcbh]bi Y`hc`VY`gc`]a dcfHUbhhcXUm"

# 7cifgY`@YUfb]b[`CihWcaYg

%" 7 f]h]WU``mYb[U[Y`k]h.`XYVUHYg`UbX`]bHY``YWhiU``dUfUX][ag`]b`Z]`a`ghiX]Yg" &"@cWUHYžcf[Ub]gYžUbX`UggYgg`]bZcfaUh]cb`fY`YjUbhhc`h.Y`ghiXmcZgWfYYb`aYX]U" ' " 7 caaib]WUHY`h.Y`ciHWcaYg`cZmcif`fYgYUfW.`]b`Vch.`gW.c`Uf`mUbX`bcb!gdYW]U`]gh`Ub[iU[Y" ( " 8 YacbghfUHY`Wf]h]WU``g\_]``g`]b`dfcV`Ya`gc`j]b[`UbX`gY`ZX]fYWhYX``YUfb]b["

# HYUW ]b[ GhfUh []Yg

GWUZc`XYX``YUfb]b[`]g`WYbHfU``hc`h\Y`hYUW\]b[`ghfUhY[]Yg`XYd`cmYX`]b`h\]g`WcifgY"`5g`U`WUdghcbY`WcifgY 5F HG'\$\*)`df]cf]h]gYg`ZcfaUh]j`Y`eiYgh]cb]b[žcb[c]b[`X]U`c[iY`UbX`dYYf!hc!dYYf``YUfb]b[`UbX`hYUW\]b[ž YUW\`cZk \]W\`d`UmU`\_YmdUfh]b`h\Y`kYY\_`mgYa]bUfg"``7 cifgY`aUhYf]U`g`UbX`WUgg`X]gW`gg]cbg`UfY XYg][bYX`hc`W\U``Yb[Y`ghiXYbhg`h\fci[\`XYYdYf``YUfb]b[`UbX`X]gW`gg]cb`UbX`hc`YbUV`Y`ghiXYbhg`hc`acjY VYmcbX`h\Y]f`W`ffYbhg\_]```UbX`\_bck`YX[Y`YjY`g"`& h\]g`WcifgY`UggYggaYbhHUg\_g`UbX`hYUW\]b[`ghfUhY[]Yg UfY`XYYd`m]bhYfhk]bYXžk]h\`ghiXYbhg`\Uj]b[`h\Y`cddcfhib]mihc`XYjY`cd`UbX`kcf\_g\cd`h\Y]f`]XYUg`UbX dfc`YWfg`h\fci[\`gWUZc`XYX`ZcfaUh]jY`UbX`giaaUh]jY`UggYggaYbhHUg\_g"

# 5ggYgga Ybh

8YHJ]YX`]bZcfaUh]cb`UVci hYUW\`UggYgga YbhHJg\_`]g`Uj U]`UV`Y`cb`H\Y`Wci fgY`A ccX`Y"

# 5ggYgga YbhHUg\_g

5ggYgga YbhHJg_	K Y][∖h	8iY`8UhY	GhiXYbhi@YUfb]b[ CihWcaYgʻ5ggYggYX
K f]hjb[ 'YI YfWjgYg'	&) ı	]b`WUgg`UW¶j ]hmik YY_`' hi hcf]U`g	' Ž(
FYgYUfWX`Dcfh7c`]c`	')	&-#\$'#&\$&\$`%%))`DA	%ž&
FYgYUfWX Dfc YWr	(\$1	&, #\$(#&\$&\$`%%\$\$`DA	%ž&ž(

# 5ggYgga Ybh8YHJ]`g

5ggYgga Ybh'% K f]h]b[ YI YfW]gYg

#### GHUfh'XUHY.

@Yb[h.\*&| '')\$\*k cfXg

**8YHJ]`g**. `G\cfhi]b! WUgg`k f]h]b[ `HUg\_g`Wcbg]gh]b[ `cZhk c`' ) \$`k cfX`fYZYWf]cbg`cb`Wci fgY`a UhYf]U`g`Ug gdYW]ZYX"K f]hHYb`ZYYXVUW\_`cb`k f]h]b[ `HUg\_`UbX`U`bi a Yf]WU``[ fUXY`j ]U`Wci fgY`@A G"

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

H\Y`Z]fghiUggYgga YbhHUg\_`]g`fk c`g\cfhk f]fhYb`d]YWYgžWca d`YhYX`]b`WUggžVUgYX`cb`Wci fgY`a UhYf]U`g ffYUX]b[g`UbX`gWfYYb]b[gEk YY\_g`%("`8YfU]`YX`]bZcfa Uh]cb`UVci hfh\Y`fUg\_ž`]bWi X]b[`gUa d`Y`ei Ygh]cbg UbX`a Uf\_]b[`Wf]hYf]Už'k]``VY`Uj U]`UV`Y`cb`A ccX`Y"

Gi Va ]gg]cb bchyg.7ca d`YhYX`]b!WUgg

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

5ggYgga Ybh& FYgYUfW DcfhZc`]c

#### GHUfh'XUHY.

@Yb[h\.', !%\$'dU[Yg

**8YHJ]`g.**`, !%\$`dU[Y`fYgYUfW\`dcfhZc`]c`Wcbg]gh]b[`cZWf]h]WU``fYZYWf]cbg`cb`fYUX]b[g`UbX`gWfYYb]b[gž UbbcHJhYX'V]V`]c[fUd\mž`dfc^YWibchYgž`fYgYUfW\`d`Ub`UbX`XfUZriei Ygh]cb`Zcf`h\Y`fYgYUfW\`dfc^YWi

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

GYY`AccX`Y`Zcf`XYHJ]`YX`]bZcfaUh]cb`UVcihH\Y`FYgYUfV\\`DcfhZc`]c"

Hi fb]h]b`gYh]b[.`H\]g`Ugg][ ba Ybh]g`gi Va ]hYX`h\fci [\`Hi fb]h]b`UbX`gh XYbhg`Xc`bchgYY`Hi fb]h]b

g]a ]`Uf]hmfYdcfhg"

5ggYgga Ybh' . FYgYUfW Dfc YWh

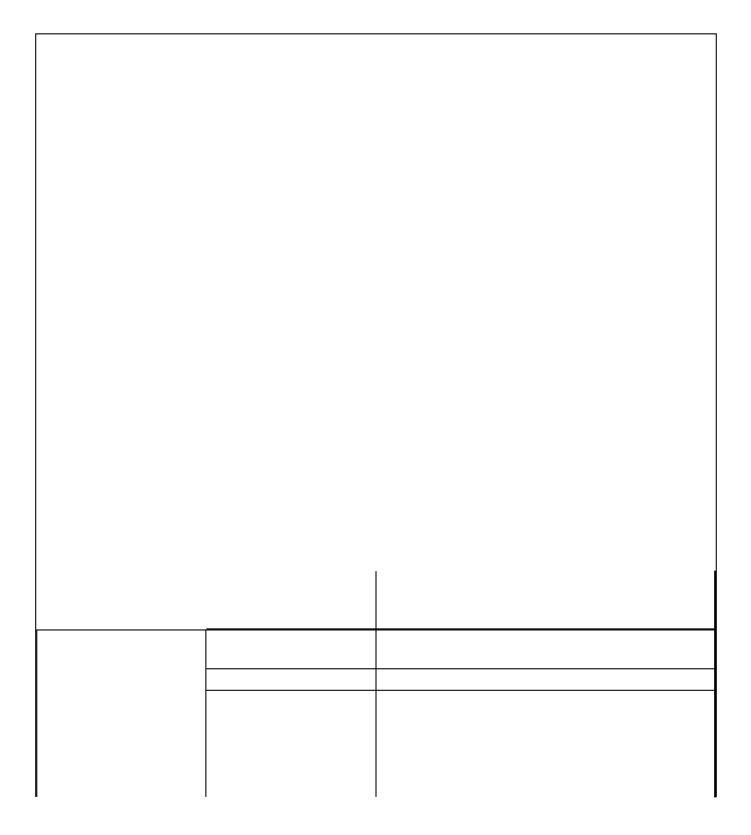
GHUfh'XUHY.

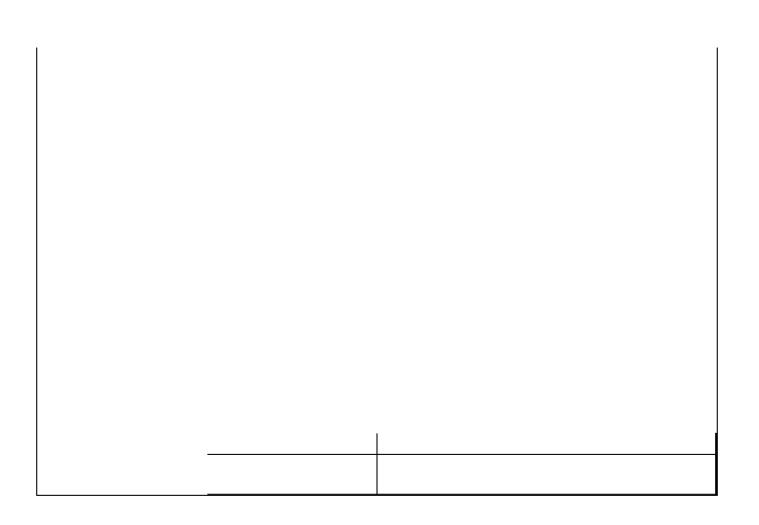
@Yb[h. &\$\$\$ k cfXgžd`i g'V]V`]c[fUd\m

8YHU]`g. '&\$\$\$`k cfX`YggUmcf`a ]I YX`a YX]U`k cf\_`k ]h\`UWWca dUbm]b[ `k f]hhYb`Wca a YbHUfmcZ) \$\$`k cfXg h\UhYI d`cfYg`U`ei Ygh]cbž'WcbWYdhcf`XYVUhY`YI Ua ]bYX`]b`h\Y`Wci fgY"K f]hhYb`ZYYXVUW\_`UbX`bi a Yf]WU` [ fUXY`j ]U`Wci fgY`@A GH\]g`]g`h\Y`Z]bU``UggYgga YbhHUg\_`Zcf`h\Y`Wci fgY"

#### 5XX]h]cbU``XYhJ]`g.

H\]gʻ]gʻmci fʻZ]bU``UggYgga YbhHUg\_ʻZcfih\]gʻWci fgY"'Mci fʻfYUfW\idfcYWfik ]``YI d`cfY`U'ei Ygh]cbžWcbWfdhicf XYVUhY`YI Ua ]bYX`]b`h\Y`Wci fgY`h\fci [\`f\Y`WcgY`UbU`mg]gʻcZU`Z]`a `cfihY`Yj ]g]cb`hYI hifY`Yj Ubhhc`h\Y





# FYgci fWg

#### DfYgWf]VYX F Ygci fWfg

#### 9ggYbhJU`fYUX]b[g

 $\begin{array}{l} H \left( YfY \right) g b c HYI h V c _ 2c f h g Wei fgY \left( 1 h Y YggYbh U fYUX \right) b [g 2c f YUW k YY_k ] \ VY U U U U Y c b A c c X Y h f c [ \ @Y [ Ubhc" H YgY fYUX ] b [g UfY YggYbh U fZ f h Y gi WW ggZ \ W g gZ \ W f c c Z h Y Wei fgY U b X mci U f Y I d YW f X h ' _ YY d i d h XUh ' k ] \ U \ fYUX ] b [g" \\ \end{array}$ 

9ggYbhjU``a YX]U`hYI hg`fZj`a g`UbX`hY`Yj ]g]cb`gYf]YgŁ'k ]``VY`gWfYYbYX`]b`WUgg`Xi f]b[`h\Y gWXYXi `YX`gWfYYb]b[*#*ghi X]c`h]a Y`g`ch'`

# FYWca a YbXYX<sup>-</sup>FYgci fWYg

FYWca a YbXYX`gi dd`Ya YbHJfmfYUX]b[gžV]V`]c[fUd\]Yg`UbX`ch\Yf`fYgYUfV\`a UHYf]U`g`k]```VY`Uj U]`UV`Y h\fci [\`h\Y`Wci fgY`A ccX`Y"

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

Gh XYbhZYYXVUW\_`]g`[Uh\YfYX`cb`h\]g`Wci fgY`YUW\`mYUf`Vch\`h\fci [\`Zcfa U``a YUbg`gi W\`Ug A m9I dYf]YbW`UbX`h\fci [\`fY[i`Uf`WUgg`X]gW gg]cbg"`Hcd]Wg`h\Uhigh XYbhg`VYYb`dUfh]W`Uf`m]bhYfYghYX`]b YI d`cf]b[ž]bWi X]b[`gWfYYb`a Y`cXfUa U`UbX`XYVUhYg`Ufci bX`gWfYYb`j ]c`YbW`UbX`h\Y`~bYk `YI hfYa ]ga ~``]b W]bYa U`\Uj Y`VYYb`[]j Yb`U`\_Ymd`UWY`UbX`fc`Y`]b`h\]g`Wci fgY"`

# Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

# Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

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

Zmci YbWci bhYf'U'dfcV'Ya 'k \Yb'UthYa dhjb[ 'tc'gi Va ]hmci f'Ugg][ ba Ybht\fci [ \'Hi fb]hjbžd'YUgY hY'Yd\cbY'9I hYfbU'`Gi ddcfhcb'-', ) '' ' %cf'Ya U]`'h\Ya 'cb'YI hYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui '"'Gi ddcfh \ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY\_XUmg'UbX'-.\$\$Ua '-') .\$\$da 'cb'k YY\_YbXg'fl \*) 'XUmg'U'mYUfŁ''Zmci UfY'i bUV'Y'hc'gi Va ]hmci f'Ugg][ ba YbhXi Y'hc'U'ZJi `hk ]h\'Hi fb]hjb'mci 'a UmUdd`m'Zcf'Ub'YI hYbg]cbžVi hmci a i ghfYhU]b'mci f'hjW\_Yhbi a VYf'Zfca '9I hYfbU'`Gi ddcfhfU'cb[ 'k ]h\ 'Ubmch\Yf'fY'Yj UbhXcW a YbhgŁ'hc ]bWi XY'Ug'Yj ]XYbWY hc'gi ddcfhmci f'YI hYbg]cb'Udd`]WUhjcb"'Zmci 'Ya U]`'9I hYfbU'`Gi ddcfhimci 'k ]`` Ui hca UhjWU'`mfYWY]j Y'U'hjW\_Yhbi a VYfžVi h]Zmci 'hY'Yd\cbY'mci 'k ]``bYYX'hc'gdYWJZJWU'`mUg\_'Zcf'cbY" Hi fb]hjb'U`gc'dfcj ]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'gfUhi g'cb'Hk ]hYf"

; YbYfU``mž'UggYgga YbhHUg\_g'a i ghVY'gi Va ]HHXXYYWYfcb]WU``mj ]U'Y]H\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ ba Ybh''=b`]bgHUbWYg'k \YfY'H\]g']g'bchdcgg]V`Yž']hk ]``VY'gHUHYX'cb'mci f'Wci fgY'g'A ccX`Y'g]HY'k ]H\ U`HYfbUh]j Y'gi Va ]gg]cb'XYHU]`g''

: cf`]bZcfa Uh]cb`cb`\ck 'hc`gi Va ]hUgg][ ba Ybhg`cb`]bY`j ]U`A ccX`Y.`\hhdg.##gh XYbh'i bgk "YXi "Ui #\ck! gi Va ]hUgg][ ba Ybha ccX`Y

# 5WUXYa ]W<cbYghmUbX^D`U[]Uf]ga

D`U[]Uf]ga `]g`i g]b[`f\Y`k cfXg`cf`]XYUg`cZcf\Yfg`UbX`dfYgYbh]b[`f\Ya `Ug`mci f`ck b"`=fiWUb`hU\_Y`a Ubm Zcfa gžZfca `XY`]VYfUHY`W\YUh]b[`fc`UWV]XYbhU``mWcdm]b[`Zfca `U`gci fWFk]h\ci hUW\_bck `YX[Ya Ybh'

I BGK '[fci dg'd`U[]Uf]ga ']bhc'h\Y'Zc``ck ]b[ 'WUhY[cf]Yg.

7 cdm]b[. `i g]b[ `h\Y`gUa Y`cf`j Yfmig]a ]`Uf`k cfXg`hc`h\Y`cf][ ]bU``hYI h`cf`]XYU`k ]h\ci h`UW\_bck`YX[ ]b[ `h\Y

- i bXYfgHJbX'mci f`f][\hg`UbX'fYgdcbg]V]`]h]Yg`Ug`U`ghi XYbh'Uh'I BGK
- VY Uk UfY cZdU[]Uf]ga žWcdmf][ \lbzi BGK Ghi XYbh7 cXY cZ7 cbXi Wh0bX 5WW/dhUVY I gY cZ I BGK '=7 H'F Ygci fW/g'Dc']Wh
- VY Uk UfY cZh Y gHUbXUfXg cZVY Uj ]ci f YI dYWYX cZYj YfmcbY ]b h Y I BGK Wca a i b]m
- `cWUHY`gYfj ]WYg`UbX`]bZcfa UH]cb`UVci hI 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 bXYfgHJbX]b[`cZU``'h\Y fY`UhYX'UgdYWfg'cZ9@=G9'k]``\Y`d'mci 'a U\_Y'h\Y'a cghcZmci f`ghi X]Yg'Uh'I BGK "' <u>\hhd.#gi VYWf[i]XYg'`]VfUfm'i bgk "YXi "Ui #Y`]qY#UVci hY`]qY</u>

# 5WUXYa]W=bZcfaUhjcb<sup>.</sup>

: cf'YggYbh]U``ghi XYbhi]bZcfa Uh]cb`fY`Uh]b[`hc.

- fYei YghgʻZcf'Yl hYbg]cb/
- `UHY'gi Va ]gg]cbg'[ i ]XY`]bYg/
- fYj]Yk 'cZa Uf\_g/
- I BGK '<YU`h\ UbX'GUZYImidc`]WjYg/
- YI Ua ]bUh]cb'dfcWYXi fYg/
- gdYWJU``Wcbg]XYfUh]cb`]b`h\Y`Yj YbhcZ]``bYgg`cf`a ]gUXj Ybh fY/
- gh XYbhYei ]hmUbX`X]gUV]`]hm/
- UbX'ch\Yf'YggYbhJU``UWUXYa JWJbZcfa UhJcbž'gYY