

# ARTS2908

DfYa cXYfb >UdUb. GHJh gžGYI UbX Dck Yf

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

1

# 7 ci fgY 8YHJ]`g

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

E fqV/We

Gi a a UfmcZh Y 7 ci fqY

GiVYWhi5fYU.1 a WieS`V9WVWdEfqV[Me

' " 7 cbg/fi WiUf[ i a Ybhg UVci hdfYa cXYfb >UdUbYgY < ]ghcfm]b k f]hhYb UbX#cf j YfVU Zcfa ' ("=XYbh]Zm\_YmXYVUhYg'UbX'WcbWYdhg']b'dfYa cXYfb'>UdUbYgY'\]ghcfm" ) "@cWUHY`UbX`UbU`mqY`df]a UfmUbX#cf`qYWcbXUfma UHYf]U``fY`Yj Ubhirc`dfYa cXYfb`>UdUbYqY`\]qhcfm"

&" 5bU`mqY'dfYa cXYfb`>UdUbYqY'<]qhcfmih\fci [\'h\Y``Ybq'cZ[YbXYf'UbX'ZYa]b]qhqVXc`Ufq\]d"

H\]qWcifqYWUbU`gcVY`ghX]YX`]b'h\YZc``ck]b[`gdYWU`]gUh]cbg.3e[S`EfgV[Wel: [efackl <SbS`WeW

FYqhcfUhlcb'cZ% \*, žilhq'WYbhfU`'h\YaY'VY]b['h\Y'\]qhcfmcZk caYbž'[YbXYf'UbX'qYI i U`]hlYq"'5q'h\Y'Wci fqY ]q'YqqYbHU``mU'W `h fU``UbX'gcWU``\]ghcfmžmci 'k]``bchcb`mX]gW gg'h\Y']XYUg'UbX'gcWU`'dfUWfWg'cZ fi `]b[ 'WUggYg`fWj ]``Uf]ghcWfUhg`UbX`h\Yb`Vi g\]# Uff]cfgŁžVi hik ]```U`gc`YI Ua ]bY`dcdi `Uf`6i XX\]ga žZc`\_

H\]q"Wci fqY"cZZYfq"U"h\Ya UhWcj Yfj]Yk "cZ>UdUbYqY"\]qhcfmiZfca "dfY\]qhcfmihc"h\Y"A Y]/["=a dYf]U"

fY`][]cbždYUgUbhfYVY``]cbžWcaacbYffYg]gHUbWYžUbX'UgdYWgcZdcdi`UfW`hfY"'

%" 8Ya cbglfUhY \_bck `YX[ Y cZh\Y `\]ghcfmcZdfYa cXYfb >UdUb"

## HYUWX ]b[ GhfUhY[ ]Yg

7 ci fqY @YUfb]b[ Ci hWca Yq

H\]g'Wci fgY']bhfcXi Wyg'gh XYbhg'hc'\_YmXYVUhyg'UVci hih\Y'YUf'ma cXYfb'\]ghcfmcZ>UdUbžk ]h. Ub Ya d∖Ug]gʻcbʻk ca YbfgʻUbXʻ[YbXYfʻ\]ghcfm'ʻ≑hi gYgʻYWni fYgʻhcʻhYUWXʻWobhYbhžUbXʻhi hcf]U`gʻhcʻU``ck ghi XYbhgʻhcʻX]gW ggʻh\Y]fʻfYUX]b["'Hi hcf]U``UggYgga YbhgʻUfY`XYg][bYX`Vch\ hc`YbWci fU[Y`ghYUXm Yb[U[Ya YbhfdUff]WdUf]cbEUbX hc UXX XYdh hc h hcf]U X]gW gg]cb f&l fYgdcbgYgždi g X]gW gg]cb ei Yqhlcbqt""H\Y`fYqYUfWX`dfcYWfi\Y`dq`qh XYbhq`hc`i bXYfhU\_Y`qhfi Wfi fYXž`]bXYdYbXYbhfYqYUfWX"

# 5ggYgga Ybh

### 5ggYgga YbhHUg\_g

5ggYgga YbhˈtJg_	K Y][ \h	8iY'8UHY	GhiXYbhi@YUfb]b[ CihWcaYgʻ5ggYggYX
≢b!WUgg`HYgh'%`	&\$1	% #\$' #&\$%- `%% \$\$`5A	%ž&ž(
=b!WUgg`HYgh'&`	&\$1	\$'#\$(#&\$%-`%%\$\$`5A	%ž&ž(
±b!WUgg`HYgh'	&\$I	%+#\$(#&\$%-`%%\$\$`5A	%ž&ž(
7 f]h]WU``6]V`]c[ fUd\m	(\$1	&, #\$(#&\$%-`%%)-`DA	%ž&ž ž(ž)

### 5ggYgga Ybh8YfU]`g

5ggYgga Ybh% =b!WUgg HYgh%

#### GHJfh'XUHY. K YY\_(

**8YHJ]`g.** 7 cj Yfg'WcbhYbhZfca 'k YY\_g'&! ("'H\Y'hYghk]``Wcbg]ghcZ&\$'a i `hjd`Y!W\c]WY'ei Yghjcbg'VUgYX'cb h\Y'fYUX]b[ gž`YWi fY'UbX'h hcf]U``WcbhYbhfY`Yj Ubhhc'h\Y'k YY\_g'VY]b[ 'UggYggYX"'Nci f'a Uf\_'k]``VY fY`YUgYX'Uddfcl]a UhY`mcbY'k YY\_'UZhYf'cb'A ccX`Yž'UbX'Z fh\Yf'ZYYXVUW\_'k]``VY'[]j Yb']b'U'gi VgYei Ybh h hcf]U``j]U'U'[ YbYfU``X]gW gg]cb"

#### 5ggYgga Ybh& = 1WUgg HYgh&

#### GHJfhiXUhY. KY\_+

**8YHJ]`g.** '7 cj Yfg'WcbhYbhZfca 'k YY\_g') !+"'H\Y'hYghk ]``Wcbg]ghcZ&\$'a i `h]d`Y!W\c]WY'ei Ygh]cbg'VUgYX'cb h\Y'fYUX]b[ gž`YWi fY'UbX'h hcf]U``WcbhYbhfY`Yj Ubhhc'h\Y'k YY\_g'VY]b[ 'UggYggYX"'Nci f`a Uf\_'k ]``VY fY`YUgYX'Uddfcl ]a UhY`mcbY'k YY\_'UZhYf`cb'A ccX`Yž'UbX'Z fh\Yf'ZYYXVUW\_'k ]``VY'[ ]j Yb']b'U'gi VgYei Ybh h hcf]U``j ]U'U'[ YbYfU``X]gW gg]cb"

#### 5ggYgga Ybh' . + D!WUgg HYgh'

#### GHUfh'XUHY. K YY\_--

**8YHJ]`g.** 7 cj Yfg'WcbhYbhZfca 'k YY\_g'&! ("'H\Y'hYghk]``Wcbg]ghcZ&\$'a i `h]d`Y!W.c]WY'ei Ygh]cbg'VUgYX'cb h\Y'fYUX]b[ gž`YWi fY'UbX'h hcf]U``WcbhYbhfY`Yj Ubhhc'h\Y'k YY\_g'VY]b[ 'UggYggYX"'Nci f'a Uf\_'k]``VY fY`YUgYX'Uddfcl]a UhY`mcbY'k YY\_'UZhYf'cb'A ccX`Yž'UbX'Z fh\Yf'ZYYXVUW\_'k]``VY'[]j Yb']b'U'gi VgYei Ybh h hcf]U``j ]U'U'[ YbYfU``X]gW gg]cb"H\]g']g'h\Y'Z]bU``UggYgga YbhZcf'UhYbXUbWY'di fdcgYg"

#### 5ggYgga Ybh(. 7f]h]WU`6]V`]c[fUd\m

#### GHJfhXUHY. K YY\_%\$

8YHJ]`g. Mci 'k]``XYj Y`cd'mci fick b`fYgYUfW\'ei Ygh]cb'hc'Ubgk Yfžcb'U'hcd]WfY`UhYX'hc'cbY'cZh\Y'k YY\_g ]b'h\Y'Wci fgY'''Mci f`Wf]h]WU``V]V`]c[fUd\mg\ci`X'VY`ghfi Wi fYX'i g]b['h\Y'hYa d`UhY'h\Uhk]``VY'dfcj]XYX'Zcf mci '''H\Y'hchU``Yb['h\`]g'%(\$\$`k cfXg'!'mci 'g\ci`X'i gY`\*`gci fWYg'UbX'k f]hY`&\$\$`k cfXg'Zcf`YUW\'gci fWYž U`cb[''k]h\'U`%\$\$!k cfX`]bhfcXi Wi]cb`fk \YfY'mci 'k]``dfcj]XY'U`Vf]YZVUW<u>[</u>fci bX'hc'h\Y'hcd]WUbX'ghUhY'mci f fYgYUfWX 'ei Ygh]cbŁ'UbX'U'%\$\$!k cfX'WcbWi g]cb'fk \YfY'mci 'k ]``fY]hYfUhY'h\Y'Ubgk Yf'hc'mci f'ei Ygh]cb'UbX dfcj ]XY'U'Vf]YZgi a a UfmcZmci f'fYgYUfWXŁ''5``gci fWfg'i gYX'a i ghVY'Zfca 'Y]h\Yf'dYYf!fYj ]Yk YX'ĉi fbU'g cf'WXUdhYfg'Zfca 'YX]hYX'Vcc\_'Wc``YWf]cbg'': YYXVUW\_'k ]``VY'[]j Yb'hc'mci 'k ]h\']bX]j ]Xi U``Wca a Ybhg'j ]U ; fUXYa Uf\_'cb'Hi fb]h]bž']b'UXX]h]cb'hc'U'ei U`]hUh]j Y'[fUX]b['fi Vf]W

Hi fb]h]b`gYh]b[.`H\]g`Ugg][ ba Ybh]g`gi Va ]hYX`h\fci [ \`Hi fb]h]b`UbX`ghi XYbhg`Xc`bchgYY`Hi fb]h]b g]a ]`Uf]hmifYdcfhg"

# 5 HYbXUbWY FYei ]fYa Ybhg

Ghi XYbhgʻUfYʻghfcb[`mYbWci fU[YX'hcʻUhhYbX'U```WUggYgʻUbX'fYj]Yk ``YWhi fYʻfYWcfX]b[g"

# 7 ci fgY GWX YXi `Y

### <u>J]Yk WUgg'hja YHJV`Y</u>

## H]a YHJV`Y'

	Hmd Y	7 cbhYbh
K YY_%% : YVfi Ufm!&( : Y⋈fi Ufm %		
:Yh/fiUfm %	p %	po

### 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'UhYa dhjb[ 'hc'gi Va ]hmci f'Ugg][ ba YbhN fci [ \ 'Hi fb]hjbž'd'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'ZUi `hk ]h\ 'Hi fb]hjb'mci 'a Um'Udd`mZcf'Ub'YI hYbg]cbž'Vi hmci a i ghfYhU]b'mci f'hjW\_Yhbi a VYf'Zfca '9I hYfbU``Gi ddcfhfU`cb[ 'k ]h`Ubm'ch\Yf'fY`Yj UbhXcW a YbhgŁ'hc ]bWi XY'Ug'Yj ]XYbWi'hc'gi ddcfhimci f'YI hYbg]cb'Udd`]WUh]cb''`=Zmci 'Ya U]``9I hYfbU``Gi ddcfhimci 'k ]``

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

D`U[]Uf]ga `]g`i g]b[`h\Y`k cfXg`cf`]XYUg`cZch\Yfg`UbX`dfYgYbh]b[`h\Ya `Ug`mci f`ck b"`=hWUb`hU\_Y`a Ubm Zcfa gžZca `XY`]VYfUhY`W\YUh]b[`hc`UWW]XYbhU``mWcdm]b[`Zca `U`gci fWY`k]h\ci hUW\_bck `YX[Ya Ybh'

IBGK [fcidg'd`U[]Uf]ga ]bhc h\Y Zc``ck]b[ WUhY[cf]Yg.

7 cdm]b[..i g]b[.ih,Y`gUa Y`cf`j Yfmig]a ]`Uf`k cfXg`hc`h,Y`cf][]bU``hYI h`cf`]XYU`k ]h\ci hUW\_bck `YX[]b[`h\Y gci fWF`cf`i g]b[`ei chUh]cb`a Uf\_g"`H\]g`U`gc`Udd`]Yg`hc`]a U[YgžUfhUbX`XYg][b`dfc´YWfgž'Ug`k Y```Ug dfYgYbhUh]cbg`k \YfY`gca YcbY`dfYgYbhg`Ubch\Yf\*g`]XYUg`cf`k cfXg`k ]h\ci hWfYX]h"

=bUddfcdf]UhY`dUfUd\fUg]b[..7\Ub[]b[`U`ZYk`k cfXg`UbX`d\fUgYg`k \]`Y`a cghmfYhU]b]b[`h\Y`cf][]bU` ghfi Whi fY`UbX#cf`dfc[fYgg]cb`cZ]XYUg`cZh\Y`cf][]bU`žUbX`]bZcfa Uh]cb`k]h\ci hUW\_bck`YX[Ya Ybh`H\]g`U`gc Udd`]Yg`]b`dfYgYbhUh]cbg`k \YfY`gca YcbY`dUfUd\fUgYg`Ubch\Yf'g`]XYUg`cf`k cfXg`k]h\ci hWfYX]hUbX`hc d]YW]b[`hc[Yh\Yf`ei chYg`UbX`dUfUd\fUgYg`]bhc`U`bYk`k \c`Yžk]h\ci hUddfcdf]UhY`fYZYfYbW]b["

7 c``i g]cb. k cf\_]b[ k ]h ch Yfg Vi hdUgg]b[ cZth Y 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 Ubch Yf gh XYbhVYZcfY h Y Xi Y XUhYžcf Zcf'h Y di fdcgY cZh Ya

- 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 UHjcb'UVci hI BGK 'UbX'I BGK '@VfUfm

Gca YicZh\YgYiUfYUgik]``VYiZJa]`]Ufihcimci žich\Yfgik]``VYibYk"'; U]b]b[`Uigc`]Xii bXYfgHUbX]b[`cZU```h\Y fY`UhYXiUgdYWfgicZ9@=G9ik]``\Y`dimci ia U\_Yih\Yia cghicZmci fighi X]YgiUhil BGK"' <u>\hhd.#qi VYWfii]XYg"`]VfUfm"i bgk"YXi"Ui #Y`]qY#UVci hY`]qY</u>

## 5WUXYa]W=bZcfaUh]cb<sup>.</sup>

: cf<sup>\*</sup>YggYbhJU<sup>\*\*</sup>gh XYbh<sup>\*</sup>]bZcfa UhJcb<sup>\*</sup>fY<sup>\*</sup>UhJb[<sup>\*\*</sup>hc.

- fYei Yghg Zcf Yl hYbg]cb/
  `UhY gi Va ]gg]cbg [ i ]XY`]bYg/
  fYj ]Yk cZa Uf\_g/
- .