

# **ARTS3240**

9bj ]fcba YbHJ``<i a Ub]h]Yg`7UdghcbY

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

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

#### GHJZZ7cbHJWhi8YHJ]`g

#### 7cbj Ybcfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWUh]cb	D∖cbY
DfcZYggcf <sup>°</sup> B]Wc`Ug FUga i ggYb	B"F Uga i ggYbb4 i bgk "YXi "Ui		A cfj Yb 6fck b	Ž*%'&'-' , ) &' *%'bc a YggU[Yg'd`

#### @Y₩ni fYfg

B Ua Y	9a U]`	5j U]`UV]`]m	@cWUh]cb	D\cbY
8f DUi `Aibfc	dUi `"a i bfc4 i bgk "YXi "Ui		Fcca '') %ž Acfj Yb 6fck b	

#### GWXcc`7cbHJWhi=bZcfaUh]cb

GWkcc``cZ<iaUb]h]Yg'UbX'@Ub[iU[Yg

@cWUhjcb. `GWkcc``CZjWYžA cfjYb`6fckb`6i]`X]b[ž@YjY``&ž&),

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

D\cbY. Ž\*%&'-',) %\*, %

: UI . Ž\*%&'-' , ) ', +\$)

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

# 7cifgY<sup>·</sup>8YHJ]`g

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

#### Gi a a UfmcZh\Y'7ci fgY

Mci 'k ]``\Uj Y'N Y'cddcfh b]mhc XYg][ b'mci fick b']bXYdYbXYbhfYgYUfW\'dfc YWhN Uhk ]``gdYU\_'hc WcbN'a dcfUfmXYVUhYg']b'N Y'9bj ]fcba YbHU``<i a Ub]hJYg"H\YgY'fYgYUfW\'dfc YWg'k ]```i gY'N Y'a YN cX'cZ a i `h]!g]hYX'YN bc[ fUd\mhc''''Zc``ck 'Ub'cf[ Ub]ga ''''Zcf`'''Zc``ck 'Ub']ggi Y'''Z'hc'gYJ YfU`'X]ZYfYbhg]hYg']b GmXbYm''Nci 'k ]```g]h UhY'mci figi V'YWicZgh Xmk ]h\]b'YWcbca ]WzgWYbh]ZWzUbX'dc`]h]WU``bYtk cf\_g"`: ]Y`X! g]hYg'a ][ \h]bWi XY'di V']WdUf\_g'UbX'VYUW\YgzgWYbh]ZWUVcfUhcf]Ygz'a i gYi a gz'UVUbXcbYX'`chg'UbX ZfU[ a YbhYX'k ]'X`UbXgzcf`cZZWY'gdUWYg``]\_Y'Ybj ]fcba YbhU``cf[ Ub]nUh]cbg'cf'W]mWci bW]'g": ]Y`X'hf]dg'k ]`` ]bhfcXi W'mci 'hc'YI dYfhg']b'N Y'ZYX'UbX'[ ]j Y'mci `\UbXg!cb'dfUW]WY'UhWcbXi W]b[ `]bh'fj ]Yk g'UbX'hU\_]b[ ZYX'bchYg"'HfU]b]b[ `]b'N Y'i gY'cZh\Y``UhYghX][ ]hU`Yei ]da Ybhz'gcZk UfY'dUW\_U[ Ygz'UbX'cb!`]bY'hcc`g'k ]`` dfYdUfY'mci 'Zcf'Z hi fY'fYgYUfW\"'K Y'k ]``U`gc'X]gW gg'gdYW]ZWWUfYYf'cddcfhi b]h]Yg'h\Uhk ]``cdYb'i d'hc mci 'k ]h`U'9bj ]fcba YbhU`<i a Ub]h]Yg'a U`cf"

#### 7cifgY@YUfb]b[CiHWcaYg

% DfUWjWY h\Y`~~Ufrg`cZbchjWjb[~~~hc`]XYbhjZmUb`i bXYfgh X]YX`Ybj ]fcba YbhU``d\Ybca YbUž YbXUb[YfYX`gdYWjYgžcf`YWc`c[]WU``Wca a i b]m"

&" 7 cbXi Wricf][ ]bU``Yh\bc[ fUd\]WfYgYUfW\"

' " G]h UHY h ]g YH bc[ fUd ]WfYgYUfW k ]h ]b dc ]h]WU žYWcbca ]WzUbX gW]Ybh]Z]WbYH cf\_g Vm WcbXi Wh]b[ ccf][ ]bU``V]V`]c[ fUd ]WfYgYUfW ]b h Y df]a UfmUbX gYWcbXUfm`]hYfUh fY"

( "

# 5ggYgga Ybh

#### 5ggYgga YbhHUg\_g

5ggYgga Ybh'tUg_	K Y][ \h	8iY <sup>°</sup> 8UHY	GhiXYbhi@YUfb]b[ CihWcaYgʻ5ggYggYX
7 ci fgY <sup>-</sup> X]Ufm	&\$1	&\$ <i>#%#</i> &\$&\$`\$(.\$\$`DA	' Ž(
:]bU``DUdYf'	)\$1	&' #%%#&\$&\$`\$(.\$\$`DA	%ž&ž ž(
: ]Y`XbchYgʻUbX`+əhYfj]Yk hfUbg₩]dh	&\$1	%#%%#&\$&\$`\$(.\$\$`DA	\$
Dfc Y₩iDfcdcgU`	%\$I	\$&#%\$#&\$&\$`\$(.\$\$`DA</td><td>&ž</td></tr></tbody></table>	

#### 5ggYgga Ybh8YHJ]`g

5ggYgga Ybh% 7ci fgYX]Ufm

GHUFHXUHY.KYY\_`m

@Yb[h\.\*%\$\$\$\*kcfXg

#### 8YHJ]`g.

5 Wci fgY`X]Ufmk]``VY`gi Va]HYX`VmYUW\`gh XYbhžWca df]gYX`cZfYZYWjcbg`cb`Wci fgY`fYUX]b[g`UbX gYa]bUf`WcbhYbh'`=bZcfa U``j YfVU``ZYYXVUW\_`k]``VY`[]j Yb`k YY\_`mXi f]b[`gYa]bUf`X]gW gg]cbg`UbX`k f]HYb ZYYXVUW\_`k]```VY`dfcj]XYX''K cfX``]a]h`%\$\$\$`k cfXg''`

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

5gʻmci fʻcb`]bYʻUWfji ]hmimci ʻUfYʻfYei ]fYXʻhcʻgi Va ]hUʻk YY\_`mX]UfmiYbhfmij ]Uʻh\YʻWci fgYʻA ccX`YʻZcfi a ʻYUWX A cbXUmi]bʻk YY\_gʻ%) `UbX`+!-"`Mci `k]```h\YbʻfYj ]gYʻUbX`Wc``UhYʻh\YʻYbhf]YgʻUbX`gi Va ]hh\YʻZ]bU``Wci fgY X]UfmiUgg][ ba Ybhij ]UʻHi fb]hjbʻ!`Xi Y`XUhYʻ&\$`Bcj Ya VYf`&\$&\$`Uh("\$\$da "

Hi fb]h]b`gYh]b[.`H\]g`Ugg][ ba Ybh]g`gi Va ]hhYX`h\fci [\`Hi fb]h]b`UbX`ghi XYbhg`WUb`gYY`Hi fb]h]b`g]a ]`Uf]hm fYdcfng"

5ggYgga Ybh&: ]bU`DUdYf

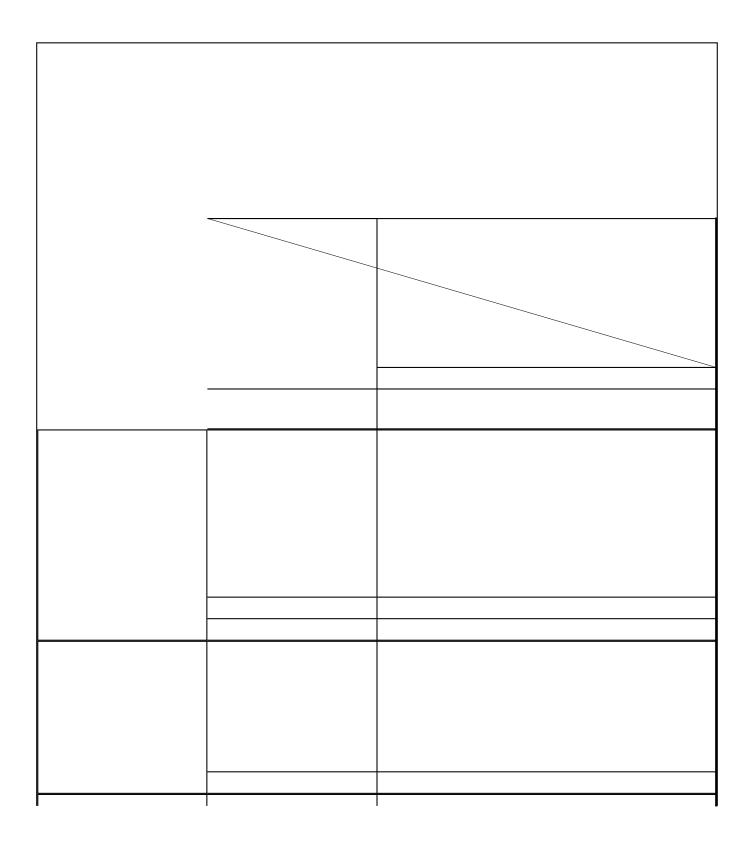
GHUfhXUHY. Bch5dd`]WUV`Y

#### 8YHJ]`g.

Gh XYbhg k ]``VY fYei ]fYX hc k f]hY U ZbU``dUdYf ]bhY [ fUh]b[ `U``h\Y]f cf][ ]bU``fYgYUfW\ f@]a ]h '' ž) \$\$ k cfXgŁ" K f]hYb ZYYXVUW\_ k ]``VY dfcj ]XYX"

H\]g`]g`h\Y`Z]bU``UggYgga YbhZcf`UthYbXUbWY`di fdcgYg"

Ghi XYbhgʻk ]```VYʻfYei ]fYXʻhcʻdfYdUfYʻUʻdfcʻYWidfcdcgU``hck UfXʻh\Y]fʻfYgYUfW\ʻdfcʻYWiUbXʻZjbU``dUdYf'`H\]g k ]```]bWi XY`\_YmWcbWYdhgʻUbXʻUi h\cfgʻh\YʻdfcʻYWik ]```Vi ]`Xʻcbžʻh\Yʻcf[ Ub]ga gž`]ggi YgžcfʻhYW.bc`c[ ]Yg h\Uhik ]```VYʻh\YʻZcWigʻcZh\YʻfYgYUfW\ʻUbXʻh\Yʻd`UWYgʻh\Uhik ]```VYʻj ]g]hYXʻZcfimci f`Yh\bc[ fUd\]Wghi Xm'ʻH\Y



K_YY_`). *& C_WrcVYf'! **	GYa ]bUf	9WcZYa]b]ga/Ai`H]gdYWJYg`YH\fbŁc[fUd\m
CW/cVYf		8]gWigg]cbicZghiXYbhi7icifgYi8]Ufmidoghgicbih\Y kYY_fgifYUX]b["
		6f]YZdfYgYbłUh]cbgžX]g₩g]cbg`cZghiXYbh FYgYUfW,`Dfc^Y₩g
	Cb`]bY`5₩Ŋj]m	
		7 ci fgY`X]Ufm!`dcghA cbXUmcb`A ccX`Y`"
K_YY`*.`%-`CWhcVYf'!`&' CWhcVYf	Dfc YWh	: `YI ]V]`]mik YY bc WUgg a YYh]b[ "
		H\]gʻ]gʻUbʻ]a dcffUbhik YY_'rcʻa U_Yʻdfc[fYggʻk]h\ mci fʻfYgYUfW\ʻdfcʻYWržYgdYWJU``mih\YʻZ]Y`Xk cf_ Wca dcbYbh'
KYY_`+.`&*`CW/cVYf'!`'\$ CW/cVYf	GYa ]bUf	7i`hifU``; Yc[fUd\m
		8]gW/gg]cbicZghiXYbhi7cifgYi8]Ufmidcghgicbih\Y kYY_fgifYUX]b["
		6f]YZdfYgYbHUB%jcbgžX] <b>g&amp;₩</b> gg]cbgʻcZghiXYbh FYgYUfW\`Dfc∕Y₩g
	Cb`]bY`5W1jj]hm	7 ci fgY`X]Ufm!`dcghA cbXUmcb`A ccX`Y`"
K_YY_`, .`&`Bcj Ya VYf`!`*		

# FYgci fWg

#### DfYgWf]VYX F Ygci fWYg

H\Y`fYei]fYX`fYUX]b[`Zcf`YUVX`kYY\_`k]``VY`UjU]`UV`Y`cb`AccX`Y`h\fci[\`h\Y`@Y[Ubhc`[UhYkUm'`

#### FYWca a YbXYX<sup>-</sup>FYgci fW/g

5h\_]bgžD"`>"`@ei ]X`A UHYf]U`]h]Yg.`5`< ]ghcfmcZA ]`\_žGW]YbWYžUbX`H\Y`@Uk "`: Ufb\Ua žGi ffYm'/6i f`]b[ hcbž J H.`5g\[ UHYž&\$\$- "

# 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'ZJi 'hk ]h. 'Hi fb]hjb'mci 'a UmUdd`mZcf'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 ddcfhimci f'YI hYbg]cb'Udd`]WUh]cb'''Zmci 'Ya U]`'9I hYfbU'`Gi ddcfhimci 'k ]`` Ui hca UhjWU'`mfYWY]j Y'U'hjW\_Yhbi a VYfž'Vi h]Zmci 'hY`Yd\cbY'mci 'k ]``bYYX'hc'gdYWJZWU``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 ]HYX`Y`YWfcb]WU``mj ]U`Y]H\Yf`Hi fb]h]b`cf`U`A ccX`Y Ugg][ ba YbH'`=b`]bgHUbWfg`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[ 'H\Y`k cfXg`cf`]XYUg`cZcH\Yfg`UbX`dfYgYbH]b[ 'H\Ya `Ug`mci f`ck b"`=h\Wb`HU\_Y`a Ubm Zcfa gžZīca `XY`]VYfUHY`W\YUH]b[ 'hc`UWV]XYbHU``mWcdm]b[ 'Zīca `U`gci fW'`k ]H\ci hUW\_bck `YX[ Ya YbH'

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

- 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>