



# ARTS2066

K f]hjb[ 'Zcf'hkY'GWfYYb

HYfa 'CbY' '# '&\$&\$



GWXcc``cZHAY'5ftg'UbX'A YXJU'`# 'I BGK ``5ftg'UbX'GcWJU'`GWfYbWf9

7ci fgY`Cj Yfj ]Yk

`GHUZZ7cbhUWhi8YHJ]`g`

`7cbj Ybcfg`

B Ua Y	9a U]`	5j U]UV]]]m	@cWWhcb	D\cbY
A YhY`>U_cVgYb	a %oo i b%oo	Xi "	&%) `F fh K \$%oo Yf	

GWXcc``7cbhUWhi`bZcfa Uh]cb

Fcca "`%&Z`Yj Y`` `F fhK \$%oo Yf`6i ]X]b[

D\cbY.`f\$&L`-`,`,) `(, )\*

9a U]: [gUa 4 i b%oo](#) Xi "

K \$%oo [\h0%oo #gUa " hg" b%oo](#) Xi "

H\Y`GWXcc``cZHAY`5 hg` X`A YX]U`k ci `X``]Y`hc`F gd WZ`m5 \_bck`YX[Y`hY`H UX]hcbU``7i %oo cX]Ub%oo  
hY`6YXY[U`fP ]b[ cb`WJa di %oo ž; UX][U`f7]m X`5fh`8Yg][b`7Ua di %oo %oo ` X`hY`B[i b Uk  
d cd Y`fBi %oo fU]Ub †8YZ Y: cfW`5 UXYa mi b`7Ub ffUŁ`ZHAY`` Xg`k \ fy`YUVX`WJa di %oo  
`cWWhYX"

## 7 ci fgY'8YHJ`g

7 fYX]hDc]bHg '\*`

Gi a a UfmcZħY'7 ci fgY

H\]g'Wci fgY]bfcXi W'g'mci 'hc ħY'ghi XmUbx'dfUW]W'cZgħcfnth''b[ 'Zcf'gWfYb'a YX]U'' ħk ]''dfcj ]XY'mci k ]ħ 'U'ZUa Yk cf\_ħfci [ \ 'k \]Wħ 'hc 'fYWc[ b]gY'UbX'W]h]W'U'mUbU'ngY'\_YmY'Ya YbHg'cZħY'gWfYb'k f]h]b[ dfcW'gg''H\fc [ \ 'dfUW]W'YI YfW]gYgžmci 'k ]''VY'UV'Y'hc 'XYj Y'cd'Z bXUa YbHU'g\_]`g ]b'ħY'UfħcZk f]h]b[ Zcf'ħY'gWfYb''Mci 'k ]''gh XmiUj Uf]YmicZgWfYb'k f]h]b[ 'Zfa g']bW' X]b[ 'g\cfh]Z'a gžZYUħ fy'Z'a g'UbX k f]h]b[ 'Zcf'ħ'Yj ]g]cb''

## 7 ci fgY'@YUfb]b[ 'Ci ħWca Yg

%" ÆYbh]ZmiUbX'ja d'Ya YbħħY'Z bXUa YbHU'Y'Ya YbHg'UbX'ħYWb]ei Yg'cZgWfYb'k f]h]b[ "  
&" 9b[ U[ Y'W]h]W'U'mUbX'fYZYW]j Y'mk ]ħ 'W]h]W'UbX'Wc'bwW'dħ U'gW'c'Ufg\]d'cb'gWfYb'k f]h]b[ "  
' " 7ca d'cgYžXfUzħUbX'fYj ]gY'U'd]YW'cZgWfYb'k f]h]b[ "  
( " @]b\_ WfYU]j Y'dfcXi W]cb'k ]ħ 'ħYcfYh]W'UbX'W]h]W'\_'bck 'YX[ Y"  
)" 7c'UVcfUħ' ]b'U'Wc''Y[ ]U'dfcW'gg'cZdYf'fYj ]Yk

## HYUW]b[ 'GħfUħ[ ]Yg'

H\]g'Wci fgY]bfcXi W'g'ghi XYbhg'hc ħY'Z bXUa YbHU'g\_]`g'UbX'ħYWb]ei Yg']b'gWfYb'k f]h]b[ 'VmħU\_]b[ 'Ub UddfcUW'ħ'UħWca V]bYg'ħYcfmUbX'dfUW]W'' ħ'ħY'Zfgh]bgh]bW'ħY'Wci fgY'k ]''VY'ħU [ \h]b'U'fUX]h]cbU' a cXY'k ]ħ 'U'%'ci f'YWi fy'UbX'&'ci f'gYa ]bUf'f'f'Yei ]j UYbh]b ]bħYbg]j Y'a cXY'Ē' ħ'ħ'g'a cXYžħY Wci fgY'k ]''VY'gi ddcfħX'Vm]g[ b]Z]Wbħcb']bY'a Uħf]U'ħ'Uħk ]''dfYdUfY'ghi XYbhg'Zcf'UW]j Y''YUfb]b[ ]b'ħY Z]W]ħc!Z]W'ħYUW]b[ 'Ybj ]f'cba Ybh'' ħ'Z ħ' fy ]ħfU]h]cbg'ħY'Wci fgY'a UmVY'ħU [ \h]b'U'V'YbXYX'a cXY XYdYbX]b[ 'cb'g'UZZYI dYf]gY ]b'ħ'g'UfYU''H\]g'k ]''bW' XY'cb']bY dfY! 'YUfb]b[ 'a Uħf]U' ]bW' X]b[ gWfYb'WUgħž'fYUX]b[ 'a Uħf]U'UbX'Z'a ] jYk ]b[ " '5b'ja d'cfUħhdUfħcZħY'fYei ]fY'dfY! 'YUfb]b[ 'Zcf'ħY Wci fgY' ]b'Y]ħYf'a cXY'k ]''Wc'bg]għcZfYUX]b[ 'UbX'UbU'ng]b[ 'U'j Uf]YmicZW]h]W'UbX'Wc'bwW'dħ U''ħfUħ fy UVci hgWfYb'k f]h]b[ ž'Ug'k Y''Ug'fYUX]b[ 'gWfYbd'UmħYI hg'UbX'j ]Yk ]b[ 'ħY'Wc'ffYgdc'X]b[ 'Z'a g''Għ XYbhg k ]''fYZYW'icb'ħY'gY'UbX'XfUk ''Yggc'bg'Z'ca 'ħ'Ya 'Xi f]b[ 'ħY'&'!ci f'gYa ]bUfg''

H\fc [ \ 'YI Ya d'Ufgž'gh XYbhg'k ]''VY'dfcj ]YX'k ]ħ 'U'a cXY'UbX'dc]bħcZXYdUfħ fy'Zcf'ħY]f'ck b'k cf\_'' H\Y'a U'cf]ħcZħY'&'!ci f'gYa ]bUfg'k ]''VY'XYj cħY'hc 'dfUW]W'k f]h]b[ ž'k cf\_g\cdg'UbX'dYf'ħc!dYf' 'YUfb]b[ 'UW]j ]h]Yg''H\fc [ \ 'U'għf' Wħ fYX'fUb[ Y'cZUW]j ]h]Ygž'gh XYbhg'k ]''dfUW]W'ħY'g\_]`g'hc 'WUZhħY]f ck b'gWfYbd'Um]g'' ħ'YUW'gYa ]bUf'Zc'W'g'k ]''VY'd'UW'X'cb'U'gdYW]Z]WUgdYW'ħcZħY'gWfYbd'Umž'gi W'Ug d]ħW'ž'gmb'cdg]gž'd'cħ'W'UfUW'ħ'f'z'X]U'c[ i Y'YħW'

5g'Ub']bfcXi W'cfm'Wci fgYžħY'ħYUW]b[ 'a YħcXg'UfY'Zc'W'gYX'cb'g\ck ]b[ 'gh XYbhg'\ck 'UbX'\Y'd]b[ ħ'Ya 'hc'XYj Y'cd'U''Yj Y'cZ'Wca dYħ'bwW'ž'fUħYf'ħ'Ub'XYj Y'cd]b[ '\[ \! 'Yj Y''YI dYf]YbW'cf'a Ugh'f'ħ'5ħħY gUa Y'ħ'a Yž'gh XYbhg'k ]''YUfb'\ck 'hc'UW'W'gg'\_bck 'YX[ Y'UbX'fYgci fW'gž'Ug'k Y''Ug'ħY'j U'i Y'cZ ]b'W'f'cd'fU]h]b[ 'dYf'Z'YXVUW\_]b'hc'ħY''YUfb]b[ 'W'ħY'ž'k \]W'k ]''YbUV'Y'ħ'Ya 'hc'Wc'b]h]bi Y'hc'XYdYb'ħY]f 'YUfb]b[ 'VY'ħc'X'ħY'Wci fgY''

## 5ggYgga Ybh

Q-YfY'mci 'WJb'ci h]bY'UbmifY'Yj Ubh]bZcfa Uh]cb'hUhk Ug'bc]bWl XYX'j]b'5 A G'Vi ha Umidfcj Y'\Y'dZ'`Zcf  
mci f'gh XYbhg": cf'Yl Ua d'Yžmci 'a ][ \hd]c] ]XY'XYfU]g'cb'hY'fYZfYbW]b[ 'gm]fYa ž"]b\_g'hc'dfYj ]ci g


F Ygci fWg

DfYgWfjVYX`F Ygci fWg`

BchiUj UjUVY

F YWca a YbXYX`F Ygci fWg

BchiUj UjUVY

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

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Gi Va ]gg]cb`cZ5ggYgga YbhHUg\_g

Hi fb]hb`Gi Va ]gg]cb

zmc i`YbWci bhYf`U`dfcV`Ya`k` \Yb`U`H`Ya` dh]b[ `hc`gi Va ]hmc i`f`Ugg][ ba YbhHfci [ \`Hi fb]hbzd`YUgY  
H`Y`d`l`cb`Y`9I`H`f`b`U`Gi` ddcfhcb`-`'` ,` )` " ` ' ` ' ` %cf`Ya` U]`H`Ya` `cb`YI`H`f`b`U`H`f`gi` ddcfh4` i` bgk` "YXi` "Ui` " `Gi` ddcfh  
`l`ci` fg`UfY` ,` .` \$\$Ua` -`-%\$.` \$\$da` `cb`k` YY`\_`XUmg`U`b`X`-` .` \$\$Ua` -` )` .` \$\$da` `cb`k` YY`\_`YbXg`f`l` \*` )` `XUmg`U`m`Y`U`f`l`" `zmc i  
UfY`i` bUV`Y`hc`gi Va ]hmc i`f`Ugg][ ba YbhXi`Y`hc`U`Z`U`i`h`k` ]H`Hi`fb]hb`mc i`a` UmiUdd`mi`Z`f`Ub`YI`H`f`bg]cb`z`Vi` hmc i  
a`i` ghf`Y`H]b`mc i`f`h]W`Y`h`bi`a` VYf`Z`ca` `9I`H`f`b`U`Gi` ddcfhf`U`cb[ `k` ]H`U`b`m`c`H`Y`f`f`Y`j` UbhXcW`a` Yb`hg`L`hc  
]b`Wi` XY`Ug`Y`j` ]XYbW`hc`gi` ddcfhmc i`f`YI`H`f`bg]cb`Udd`]W`h]cb" `zmc i`Ya`U]`9I`H`f`b`U`Gi` ddcfhmc i`k` ]`  
Ui`hc`a` U`h]W`U`m`f`Y`W`]j` Y`U`h]W`Y`h`bi`a` VYf`z`Vi`h]Z`mc i`H`Y`d`l`cb`Y`mc i`k` ]`b`Y`Y`X`hc`gd`Y`W`Z]W`U`m`Ug`\_`Z`f`cb`Y`"  
Hi`fb]hb`U`gc`d`fc`j` ]XYg`i` dXU`H`g`i`cb`H`Y`j`f`g`m`g`H`Ya` `g`h`U`h`g`i`cb`H`k` ]H`Y`f`"

; YbYfU`m`z`UggYgga YbhHUg\_g`a`i` ghVY`gi Va ]H`Y`X`Y`Y`W`f`cb]W`U`m`j` ]U`Y`]H`Y`f`Hi`fb]hb`cf`U`A` ccX`Y`  
Ugg][ ba Ybh`H`b` ]bg`h`U`b`W`g`k` \Y`f`Y`H`L`g` ]g`b`c`h`i`d`c`g`g]V`Y`Z`]h`k` ]`V`Y`g`h`U`H`X`i`cb`mc i`f`W`ci` fg`Y`g`A` ccX`Y`g`]H`Y`k` ]H`  
U`H`f`b`U`h]j` Y`gi Va ]gg]cb`XY`H]`g`"

: cf`]b`Z`c`fa` U`h]cb`cb` \ck`hc`gi Va ]h]Ugg][ ba Ybh`g`cb`]b`Y`j` ]U`A` ccX`Y` .` \`h`d`g` .`#`g`h` XYb`h`i` bgk` "YXi` "Ui` #ack`!  
gi Va ]h]Ugg][ ba Ybh`a` ccX`Y`

5 WUXYa ]W<c bYghmiUbX`D`U[ ]Uf]ga

D`U[ ]Uf]ga `]g`i g]b[ `h`Y`k cfXg`cf]XYUg`cZc`h`Yfg`UbX`dfYgYbh]b[ `h`Ya `Ug`mci f`ck b" `h`WUb`hU`Y`a Ubm  
Zcfa gž`Zca `XY`]VYfU`h`W`Y`U`h]b[ `h`U`W`Y`X`Y`b`U`m`W`c`d`m]b[ `Zca `U`gci f`W`k ]h`ci h`U`W`b`c`k `Y`X[ `Y`a `Y`b`f`

I BGK `[ fci dg`d`U[ ]Uf]ga `]b`h`Y`Zc`ck ]b[ `W`U`h`Y`[ cf]Yg.

7 cdm]b[ .`i`g]b[ `h`Y`g`U`a `Y`cf`j`Y`f`m`g]a ]U`f`k`cf`X`g`h`c`h`Y`cf][ ]b`U`h`I`h`cf]X`Y`U`k ]h`ci h`U`W`b`c`k `Y`X[ ]b[ `h`Y`

- 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 cghcZmci f'gh X]Yg'Uhl BGK ""

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

## 5 WUXYa ]W]bZcfa Uh]cb`

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

- fYei Yghg`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`]W]Yg/
- YI Ua ]bUh]cb`dfcVWXi fYg/
- gdYW]U`V`bg]XYfUh]cb`]b`h`Y`Yj Ybhcz]`bYgg`cf`a ]gUXj Ybh fY/
- ghi XYbhYei ]m]UbX`X]gUV`]m/
- UbX`ch`Yf`YggYbh]U`UWUXYa ]W]bZcfa Uh]cb`gYY