



ARTS2021

7 fYUhj Y`K f]h[b[`Dfc YWñ

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



GWcc`cZHAY`5ftg`UbX`A`YXJU`..#`I`BGK`..5ftg`UbX`GcWJU`..GWYbWg

7ci fgY`Cj Yfj]Yk

GHJZZ7cbHJW`8YHJ]`g

7cbj Ybcfg

B Ua Y	9a Uj`	5j Uj`UVj]m	@WJhcb	D\cbY
F cUbbU; cbgUj Yg	fcUbbU4 i bgk "YXi "Ui			

GWcc`7cbHJW`bZcfa Uhjcb

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D\cbY. f\$&Ł- ' ,) '(,) *

9a Uj]: [gUa 4 i bgk "YXi "Ui](#)

K YVg]h: [k k k "Ufng"i bgk "YXi "Ui #gUa](#)

H\Y`GWcc`cZH`Y`5frg`UbX`A`YX]U`k ci `X`]_Y`hc`F`YgdYW`m5W_bck`YX[`Y`h`Y`HfUX]hcbU`7i`g`h`X]Ubgž`h`Y`6YXY[`U`f`P`Ybg]b[`h`c`b`W`Ja`di`g`Ł;`UX][`U`f`7`]m`UbX`5`f`h`/`8`Yg][`b`7`Ua`di`g`Y`g`Ł`U`b`X`h`Y`B`[`i`b`b`U`k`U`d`Y`c`d`Y`f`5i`g`f`U`]U`b`8`Y`Z`b`W` :`c`f`W`5`W`U`X`Y`a`m]b`7`U`b`V`Y`f`U`Ł`c`Z`h`Y`U`b`X`g`k` \`Y`f`Y`Y`U`W`W`Ja`di`g`c`Z`I`B`G`K` `]g`c`W`h`Y`X`"

7ci fgY'8YHJ]`g

7fYX]h'Dc]bHg`*`

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H\]g'k cf_g\cd!VUgYX'Wci fgY'[]j Yg'mci 'h\Y'cdccfhi b]hmitc 'XYj Y'cd'U'a U'cf'WfYUhj Y'k cf_']b'Z]W]cbž
dcYfhnž'a Ya c]fž'd'UmcfgWfYYbk f]h]b["'7`UggYg'UFY'gfi Wf fYX'hc'Ybgi fy'U'gi ddcf]j Y'k cf_g\cd
Ybj]fcbā YbhZcf'mci 'hc'XYj Y'cd'U'a U'cf'k cf_'hc'Z]bU'XfUZhghU[Y''H\Y'Wci fgY'k]''\Y'd'mci '\cbY'mci f
g_]`g]b'h\Y'UfYUg'cZYX]h]b[ž'WcdmYX]h]b[ž'fYUX]b['W]h]W'`nž[]j]b['dYf'ZYXVUW'UbX']b'bUj][U]h]b[
]bXi g]fmcddcfhi b]h]Yg"
Mci 'k]''VY'fYei]fYX'hc'gi Va]hU'dfc'YWhdfcdcgU'`bYUf'h\Y'ghUfmcZ'h\Y'Wci fgY"

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

%" D`Ubž'XfUZh'UbX'YX]h]U'a U'cf'd]YW'cZWfYUhj Y'k f]h]b["
&" 7 f]h]W'`mUddfU]gY'h\Y]f'ck b'UbX'ch\YfgfWfYUhj Y'k f]h]b["
' " 8Yj Y'cd'UbX'fYZ]b'Ub']bXi g]fmgdYWZ]WghU]Ya YbhUVci h'h\Y'k cf_"

HYUW]b['GhfUH[]Yg'

+?@J :FLIJ< N@CC 9< ; <C@MkI <; N?FCCP FEC@E< 8J 8 9C<E; <; C<8IE@E >
I <8C K @D< 8E; 8JÆ: ?IFEF LJ :FDGFE<EKJ 'C<8J< :?<: B \$FF; C< #I 4IK?

H\Y'k cf_g\cd'Zcfa Uhdfcj]XYg'U' _Ymcddcfhi b]h]mZcf'gh XYbHg'hc'XYj Y'cd'h\Y'_]bX'cZ]bhYbg] Y'UbX'
dfUW]W'YX]h]b['UbX'dYf'ZYXVUW'`bYfYX'hc'\Y'd'Vi]X'dfc'YWg'h\fcI [\ 'hc'Wca d'Y]cb'' #iU`gc'
Wcbf]Vi hYg'hc'h\Y'Wci fgY]g'dfUW]W']bXi g]fmZc'W'g"

5ggYgga Ybh

H\]g`jg`U`k`cf_g\cd!VUgYX`W`i`fgY`UbX`jg`bchfYW`fXYX"5HbXUbW`jg`W`a`di`gcfm`Za`cfY`h\Ub`cbY`WUgg`jg`a`jggYX`U`a`YX]W`W`fh]WUHY`jg`fYeI`jfYX"5`fYUgcbUV`Y`UHY`a`dha`i`ghVY`a`UXY`hc`Z`mW`a`d`YHY`U`UggYgga`Ybhg`z`ch`Yfk`jgY`U`Zj`[`fUXY`a`UmVY`Uk`UfXYX"

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_	K Y][\h	8i Y`8UH`	Gh XYbh@YUfb]b[Ci hW`a`Yg`5ggYggYX
h]hU`Dfc`YWhDfcdcgU`	&\$i	\$\$#`\$`+`#&\$&\$`%%`\$\$`DA	%
DYYf: YYXVUW_`5ggYgga Ybh	&) i	\$\$#`\$,`#&\$&\$`%%`\$\$`DA	&
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H\]g`UggYgga`Ybh]g`W`a`df]gYX`cZ`h`c`W`a`dcbYbhg`fW`L`U`%\$\$`\$!`k`cfX`dfcdcgU`Z`f`U`a`U`cf`d]YW`c`Z`W`Y`U`h]j`Y`k`f]h]b[`"H\]g`W`a`dcbYbh]g`k`cfh`%)`i`5B8`f&L`U`)`\$\$!`k`cfX`k`f]h]f]g`ghUHY`a`Ybhci`h]b]b[`d\]cgcd`m`UbX`#`cf`dfUW`h]W`g`cZ`W`a`dcb]h]cb]bZ`fa`]b[`h`Y`dfc`YWh`H\]g`W`a`dcbYbh]g`k`cfh`)`i`"

: YYXVUW_`j`jU`@A`G`

Hi`fb]h]b`g`Yh]b[`.H\]g`Ugg][`ba`Ybh]g`gi`Va`j]hYX`h`fci`[\`Hi`fb]h]b`UbX`gh`XYbhg`Xc`bchgYY`Hi`fb]h]b`g]a`]Uf]mifYdcfhg"

5ggYgga Ybh&`DYYf: YYXVUW_`5ggYgga Ybh

GhUfhXUH`.

8YhU]`g`.

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&)`\$`k`cfXg`

Gh`XYbhg`k`j`dfcj`jXY`Vf]YZ`W`bgfhi`W]j`Y`k`f]h]b`Z`YYXVUW_`YUW`k`YY`_`hc`ghi`XYbhg`dfYgYbh]b[`h`Y]f`k`cf_]`b`

Wci fgY'UbX'gi Va]hUb'YI H'YbXYX'f&) \$!k cfXŁj Yfg]cb'cZ]h'

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Hi fb]hb'gYH]b[. H\]g'Ugg][ba Ybh]g'gi Va]H'X'h'fci [\ 'Hi fb]hb'UbX'ghi XYbhg'Xc' bchgYY'Hi fb]hb
g]a]Uf]mifYdcfng"

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GHUfhXUHY .

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') \$\$\$k cfXg'rcHU'

A U'cf'k cf_cZdfcgY'fl \$\$\$k cfXgŁ'CF 'U'gW]dhf%` 'dU[YgŁ'XYj Y'cdYX'Z'ca 'h'Y'dfcdcgU'"'

H\]g'Ugg][ba Ybh]Ug_`Wca df]gYg'k c`Wca dcbYbhg. 'f&`U'a U'cf'k cf_cZdfcgY'fl \$\$\$k cfXgŁ'CF 'U'gW]dhfŁZ
%` 'dU[YgŁ'XYj Y'cdYX'Z'ca 'h'Y'dfcdcgU'"'H\]g`Wca dcbYbh]g'k cfl' () i '5B8'f&Ł'U') \$\$\$k cfX'Z'ca U'
]bXi gflm]gdYV]WgHU'Ya Ybhcf'd]h'W'ZdfYgYbh]b['h'Y'k cf_'rc'U'dfcdgYV]j Y'YX]rcf'"'H\]g`Wca dcbYbh]g'k cfl'
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Hi fb]hb'gYH]b[. H\]g'Ugg][ba Ybh]g'gi Va]H'X'h'fci [\ 'Hi fb]hb'UbX'ghi XYbhg'Xc' bchgYY'Hi fb]hb
g]a]Uf]mifYdcfng"

F Ygci fWg

DfYgWf]VYX`F Ygci fWg`

5j U]UV`Y`j]U`A ccXY

F YWca a YbXYX`F Ygci fWg

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

Gi Va]gg]cb'cZ5ggYgga YbhiHUg_g

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Ẓmci YbWci bHyf'U'dfcV'Ya 'k \Yb'UHyYa 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] 'HyYa 'cb'YI HyfbU'Hy'hygi ddcfh4 i bgk "YXi "Ui "'Gi ddcfh
\ci fg'UfY' , .\$\$Ua '—%\$. \$\$da 'cb'k YY_XUmg'UbX'-. .\$\$Ua '—) . \$\$da 'cb'k YY_YbXg'f1 *) 'XUmg'U'mYUf2" Ẓmci
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 UmiUdd'mZcf'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'Ubmich'Yf'fY'Yj UbhXcW a Yb'gk'hc
]bWi XY'Ug'Yj]XYbW'hc'gi ddcfhmc i f'YI Hybg]cb'Udd'jW]h]cb" Ẓmci 'Ya U]'9I HyfbU'Gi ddcfhmc i 'k]`

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]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wcdmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5Ww'dhUV'Y'I gY'cZ I BGK '⇒H'F Ygci fW'g'Dc`]Wm
- VY'Uk UfY'cZh'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dYW'X'cZYj Yfmcby'jb'h'Y'I BGK 'Wca a i b]m
- `cWJh'gYfj]W'g'UbX'j]bZcfa Uh'cb'UVci hl 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 bXYfghUbx]b['cZU`h'Y fY'UH'X'UgdYW'g'cZ9@G9'k]`Y'd'mci 'a U_Y'h'Y'a cghcZmci f'gh X]Yg'Uhl BGK ""

[\hhd.##ji V'YW'i \]XYg" \]VfUfm'i bgk "YXi "Ui #' \]gY#JVci h' \]gY](#)

5 WUXYa]W#Zcfa Uh]cb

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

- fYei Ygh]Zc`Yl H`bg]cb/
- `Uh`gi Va]gg]cbg`[i]XY`]bYg/
- fYi Yk`icZa Hf`q/

