ARTS3125

9l dYf]a Ybhg`]b`DYfŽcfa UbWf`UbX`A YX]U

HYfa `C bY` `##`&$&%

7ci fgY˙Cj Yfj]Yk

GHUZZ˙7cbHUWh8YHU]`g

7cbjYbcfg

BUaY	9aU]`	5jU]`UV]`]hm	@cWUh]cb	D\cb$‰

7ci fgY 8YhU]`g

7fYX]h Dc]bhg ˙*˙

Gi a a UfmcZh\Y 7ci fgY

: fca ˙XUbW]b[˙fcVchg ˙hc ˙ga Ufh\cbY ˙h\YUfYgž h\]g ˙Wci fgY ˙Yl Ua]bYg ˙h\Y ˙g\]Zhb[˙fY`Uh]cbg\]d ˙VYhk YYb HYWbc`c[mUbX ˙dYfˇcfa UbW ˙˙h¨ fYž ˙Vcbg]XYfˇX]fˇh\Y ˙Yl dUbX]b[˙ZˇY˙X˙cZ˙]bhˇfˇUbX ˙\ck ˙]hg Udd`]WUh]cbg ˙\Uj Y ˙fUbg cfa YX YX ˙h\Y ˙dUfa UY ˙\fg cZˇdfc fca UbW ˙UbX ˙fYdfYgYbhUh]cb" Mci ˙k]``˙cVgYfj Y ˙U fUb[Y ˙cZˇdYfˇcfa UbW ˙cV YWhgž UWh]j ]hˇ Ygž Yj Ybhg ˙UbX ˙YÅj ci fg ˙dfcXi WYX˙]b ˙h\Y ˙Yl VUb[Y ˙YYfh\Y VcXmUbX ˙bYk ˙a YX]U" Mci ˙k ]``˙cVgYfj Y ˙U fUb[Y ˙cZˇdYfˇcfa UbW ˙cV YWhgž Uh˙k \]W\˙dc]bh˙h\Y ˙Yl Ua d`Y ˙Wcb YYfh\Y VcXmUbX ˙Wci fh Wci fYg ˙h\Y ˙Wcbj Yf[YbWYž UbX ˙\ck ˙j Y ˙dfcVfca UbW ˙Yb[U[Yg ˙k]h\˙WcbhYa dcfUfmˇh\ fUˇXUb[Y"

7ci fgY @YUfb]b[˙Ci hWca Yg

1. ˙=XYbh]ŽmUbX ˙X]gW ˙gg ˙_YmˇX]jY ˙cma Ybhg ˙]b ˙WcbhYa dcfUfmdYfˇcfa UbW ˙]bgd]fYX˙VmˇX]jY ˙cma Ybhg ˙]b ˙hYW\bc`c[m
2. ˙9jU`i UhY ˙h\Y ˙Yjc`j]b[˙fY`Uh]cbg\]d ˙VYhk YYb ˙hYW\bc`c[mUbX ˙UYgh\Yh]Wg
3. ˙5ggYgg ˙h\Y ˙fc`Y ˙cZˇhYW\bc`c[m]b ˙dYfˇcfa UbW ˙]\]ghcfmUbX ˙]b ˙fY`Ybh ˙h\Y ˙\ i a Ub]h]Yg
4. ˙8Ya cbghfUhY ˙Ub ˙UXjUbWYX˙_bck ˙`YX[Y ˙cZˇX]ŽˇYfYbh ˙a cXYg ˙cZˇdYfˇcfa UbW ˙UbX ˙Ub ˙UddfUW]Uh]cb ˙cZˇh\Y ˙fˇW ˙h¨ fU`˙UbX ˙\]ghcf]WU`˙gdYW]ŽW]hm
5. ˙6YhhYfˇi bXYfˇhU_Y ˙Wf]h]WU`˙XYVUhY ˙cb ˙WcbhYa dcfUfmˇh]fU`˙]ggi Yg
6. ˙Di fgi Y ˙]bX]j]Xi U`˙[i]XYX˙fYgYUfW\
7. ˙7cbghfi WhˇWˇi gi g\UbX˙cbˇ]b ˙WcbhYa dcfUfm ˙ˇcfa ˙cZˇYggUmg ˙cfˇYk ˙g˙cfˇYggUmg
8. ˙8Ya cbghfUhY ˙U ˙h\cfci [\ˇ_bck ˙`YX[Y ˙cZˇgYjYfU`˙ˇX]ˇYfYbh ˙dYfˇdfgUˇYˇYg ˙UbX ˙fYgYUfW\ˇa Yh\cXg

HYUW]b[˙GhfUhY[]Yg

F Uh]cbU`Y

H\]g ˙Wci fgY ˙]g ˙XYg][bYX˙hc ˙Zˇ]Žˇ]UhY ˙ghi XYbhg˙ˇYUfb]b[˙Vm˙gghUV`]g\]b[ ˙U ˙a i ˙ˇa ˙cXU`˙hYUW\]b[˙ghfi Wh fYˇ]b k \]W\˙ghi XYbhg˙X]gW ˙ggˇfYgYUfW\ˇXfYgYbhˇdUfh]WdUhY ˙UbX ˙]ghYb"H\Y ˙cj YfU``˙Ua ˙cZˇh\Y ˙Wci fgY ˙]g ˙hc YbVUˇYˇˇghi XYbhgˇhc a U[hUUb]b U ˙XYYdUf ˙i bXYfghUbX]b[ ˙cZ Yl U`ghYUX˙dfcˇcfa UbW ˙h\fci [\ˇ]Žˇ]Uh]cb ˙WcbbYWh]cb ˙h\Ya a U_Y ˙VYhk YYb ˙fUWh]cb ˙gˇUˇUgˇghX]Yg˙dfYgYbhUh]cbg ˙UbX ˙gˇfYYbb[Y" 5ggYgga Ybhg ˙fYÅYWh˙h\Y ˙Yl dYWhUh]cbg ˙ZˇcfˇYl WY``YbWY ˙]b ˙fYgYUfW\ˇUbX ˙]bj Ybhj YbYgg ˙Uh˙h\]g ˙Wci fgYgˇYY_ˇhc ˙YghUV`]g\" H\Y ˙hcd]Wg ˙]b ˙h\Y ˙Wci fgY ˙cjYfˇYÅYWhˇUb ˙cbˇc]b ˙Wca a ]hma Ybhˇhc ˙hYUW\]b[ ˙]bbcjUh]j ˙ˇfˇYˇjYbh˙UbX g][b]ŽWUbhˇa UhYfˇU[ ˙cfˇh\Y ˙X]gW]d`]bY ˙cZˇh\YUhfY#dfcˇcfa UbW ˙ghi X]Yg

HYUW]b[˙ghfUhY[]Yg

H\]g ˙Wci fgY ˙]g ˙ghfi Wh fYX˙Ug ˙U ˙Wca V]bUh]cb ˙cZˇYW\i fYž k cf_g\cd˙UbX ˙ghi XYbhˇYX˙UfU]b[˙dfcˇcggYg" H\Y Wci fgY ˙]bj Xj YX˙U ˙gYfˇYg ˙cZˇWˇUggYg ˙]b ˙Y Y\fY ˙#k cf_g\cd#X]gW ˙ggˇcb ˙ˇcfa UˇˇcˇYX ˙VmˇU fYgUfW\ˇUbX dfYgYbhUh]cb ˙UddfcUWˇˇˇh\ fci [\ˇk \]W\ˇghi XYbhg˙UfY ˙Yl dYWhYX˙hcˇYbh ˙[ˇUhYž˙Udd`mUbX ˙Yl hYbX˙Wci fgY a UhYfˇU`˙k]h\ ˙UbX ˙ˇcfˇh\Y ˙fˇdYYfg" Ghi XYbhg˙UfY ˙YbWci fU[YX˙hc ˙UWh]j Y˙dUfh]WdUhYˇ]b ˙h\Y ˙h\]b_]b[˙cZ _Ymˇh\YcfˇY]WU`˙UbX ˙dfYXca ]bUbhˇ]ggi Ybgˇ]dYˇYˇhc ˙h\Y ˙Wci fgYž UbX ˙hc dfcUWh]j Y˙mˇXYYdYb ˙h\Y ˙hYfa g cZˇh\Y ˙Wci fgY ˙h\fci [\ˇgˇ`ˇX˙WˇfYgYUfW\"

G9A ᰱB 5F ᰳ: C F A 5H. ᰨH\Y ᰨgYa]bUf ᰨk]`ᰨVY ᰨccgY ᰨmᰨghfi ᰨWᰨi fYX ᰨUg. ᰨ`YᰨWᰨi fY ᰨŽ ᰨj]gi U`gᰨWfYYb]b[ gžᰨžᰨcᰨck YX ᰨVm ghi XYbᰨX]gᰨWᰨgg]cb ᰨUbX ᰨfYUX]b[ g ᰨfUᰨh\ci [ \ ᰨh\]g ᰨa UmᰨWᰨUb[ Y ᰨᰨfca ᰨk YY_ ᰨhcᰨk YY_ᰨ"ᰨH\Y ᰨU]a ᰨcZh\]g ᰨWᰨUgg ᰨᰨcfa ᰨUh]g ᰨhcᰨ]bhY[ fUhY ᰨU`bi a VYf ᰨcZghi XYbh ᰨYUfb]b[ᰨᰨa ᰨcXU`]h]Yg ᰨ"ᰨH\Y ᰨ`YᰨWᰨi fY ᰨ]bᰨZcfa ᰨUh]cb ᰨdfcj]XYg ᰨU ᰨd`Uh]Zcfa ᰨᰨcf ᰨghi XYbhg ᰨhc ᰨh\Yb ᰨYb[ U[ Y ᰨ]b ᰨghi XYbh ᰨYX ᰨYUfb]b[ ᰨᰨdfcWᰨggYg ᰨh\fci [ \ ᰨh\Y ᰨU `cWUh]cb ᰨcZᰨ`cWᰨg ei Yghᰨcbg ᰨUbX ᰨ#cfᰨghi XYbh ᰨ]gᰨWᰨgg]cb ᰨhUg_g ᰨ"ᰨGhi XYbhg ᰨUfY ᰨUᰨV`Y ᰨhc ᰨfYZYWᰨhᰨj Y ᰨᰨmᰨdfcWᰨgg ᰨch\Yf ᰨghi XYbhg ᰨ' Wᰨcbᰨf]Vᰨih]cbg ᰨ]b ᰨfY`Uh]cb ᰨhc ᰨh\Y ᰨᰨfck bžᰨUbX ᰨhc ᰨgY ᰨᰨZᰨXYᰨhᰨfa ᰨ]bY ᰨU ᰨWᰨUᰨih]WU`ᰨUbX ᰨUbU`mᰨᰨWfYggUfWᰨ ᰨdfUWᰨᰨWᰨᰨ"

5ggYgga Ybh

5ggYgga Ybh'HUg_g

5ggYgga Ybh'HUg_	K Y][\h	8i Y'8UhY	Gh XYbh'@YUfb]b[Ci hWta Yg'5ggYggYX
9ggUm			

5ggYgga Ybh'HUg_

%$$$!%&) $˙k cfXg

: YYXVUW˷j]U˙@A G

H\]g˙]g˙h\Y˙Z̸bU˙UggYgga Ybh

˙

Hi fb]h̸]b˙gYh̸]b[.˙H\]g˙Ugg][ba Ybh̸]g˙gi Va]h̸hY˙h\fci [\˙Hi fb]h̸]b˙UbX˙gh XYbh̸g˙Xc˙bch̸gYY˙Hi fb]h̸]b g]a]˙Uf]hm̈fYdcfh̸g"

F Ygci fWYg

DfYgWf]VYX F Ygci fWYg

F Yei]fYX UbX Gi[[YghYX F YUX]b[g UfY YghW`&$b A ccX Y" F YUX]b[g a Um VcX y bzcf bYk gi[[YghYX fYUX]b[g UXXYXž gc a U_Y gi fY hc fY[i Uf mW YW A ccX Y zcf h Y a cghi d!hc!XUhY]bzcfa Uh]cb"

F YWca a YbXYX F Ygci fWYg

: i fh Yf fYgci fWYg Wb VY zci bX cb A ccX Y"

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

K Y k Y`Wca Y Wcbghfi Wh]j Y ZYYXVUW – YgdYWU``U`mk f]hh Yb ZYYXVUW fYa U]gž bcgh Yg YhWŁcb h Y Wci fgY Wcbh Ybhž ghfi Whi fY UbX UggYgga Ybh a Yh cXg – bch cb m Uh h Y Wcbh Wi g]cb cZ h Y Wci fgYž Vi h U`gc Ug k Y[ c U cb[" 5h h Y YbX cZ h Y Wci fgY k Y k]``]bj]h Y mci hc dfcj]XY ZYYXVUW i g]b[I BGK fgi Wci fgY Yl dYf]YbVY gi fj Ym

A Ubm UgdYWhg cZ h]g Wci fgY UfY h Y fYgi `hcZ]bbcj Uh]j Y ghi XYbhZYYXVUW zca dfYj ]ci g mYUfg": cf Yl Ua d`Yž h Y bi a VYf UbX [YbfY cZ WUgY ghi X]Yg]b h]g Wci fgY \Ug VYYb W\Ub[YX]b fYgdcbgY hc ghi XYbh ZYYXVUW" K]h h Y a cj Y hc U %$!k YY_ h YUW]b[hYfa]b &$%- žk Y fYUffUb[YX gca Y Wcbh Ybhž W\Ub[YX gca Y UggYgga Ybhgž UbX]bhfcXi WYX (!\ci f gYa]bUfg" @ UghmYUfž k Y fYXi WYX h Y bi a VYf cZ UggYgga Ybh hUg_gž zca zci f hc h fYY"

Gi Va]gg]cb cZ 5ggYgga Ybh HUg_g

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

Zmci YbWci bh Yf U dfcV Ya k \Yb Uhh Ya dh]b[hc gi Va]hmci f Ugg][ba Ybh \fci [\ Hi fb]h]bž d YUgY hY Yd\cbY 9I hYfbU Gi ddcfh cb - ' ,) '' ' ' %cf Ya U]h Ya cb YI hYfbU hY hgi ddcfh 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 mYUfĿ Zmci UfY i bUV Y hc gi Va]hmci f Ugg][ba YbhXi Y hc U ZUi h]k]h] Hi fb]h]b mci a UmUdd mZcf Ub YI hYbg]cbž Vi hmci a i ghfYHU]b mci f h]W Yhbi a VYf Zca 9I hYfbU Gi ddcfhfU cb[k]h] Ubmci hYf fY Yj Ubh XcW a YbhgĿ hc]b Wi XY Ug Yj]XYbW hc gi ddcfhmci f YI hYbg]cb Udd]WUh]cb" Zmci Ya U] 9I hYfbU Gi ddcfhmci k] Ui hca Uh]W mfYW j Y U h] W_Yhbi a VYf fž Vi h]Zmci hY Yd\cbY mci k]]bYYX hc gdYW][WUi] Ug_ Zcf cbY" Hi fb]h]b U gc dfcj]XYg i dXUhYg cb hY f gmghYa ghUhi g cb Hk]hhYf"

; YbYfU mž UggYgga Ybh HUg_g a i gh VY gi Va]hhYX Y YWfcb]WU mj]U hYf Hi fb]h]b cf U A ccX Y Ugg][ba Ybh +b]bghUbWg k \YfY h]g]g bch dcgg]V Yž hk] VY ghUh YX cb mci f WiifgY'g A ccX Y g]hY k]h] U hYfbUhj Y gi Va]gg]cb XYHU]g"

: cf]bZcfa Uh]cb cb \ck hc gi Va]h Ugg][ba Ybhg cb]bY j]U A ccX Y. \https ##ghi XYbh i bgk "YXi "Ui #ck ! gi Va]h Ugg][ba Ybh a ccX Y

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

D`U[ ]Uf]ga ]gi g]b[ h\Y k cfXg cf ]XYUg cZ ch\Yfg UbX dfYgYbh]b[ h\Ya Ug mci f ck b" +h WUb hU_Y a Ubm Zcfa g žŽ Zfca XY ]VYfUhY W\YUh]b[ hc UWW]XYbhU mWcdm]b[ Zfca U gci fWY 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 bXYfgHUbX`mci f`f][\hg`UbX`fYgdcbg]V`]h]Yg`Ug`U`ghiXYbh`Uh BGK
-

5 Ways]W=bZcfa Uh]cb