ARTS3640

>UdUb˙UbX˙?cfYU.˙7i˙ˋhˊfYgˊ]b˙7cbZ]Wˋh

HYfaˊˊˊCˊbYˊˊˊ##ˊˊ&$%

7ci fgY˙Cj Yfj]Yk

˙GHUZZ˙7cbHUWh˙8YHU]`g˙

˙7cbj Ybcfg˙

BUaY	9aU]`			

7ci fgY 8YHU]`g

7fYX]h Dc]bhg ˙*˙

Gi a a Ufm cZ h\Y 7ci fgY

Gi V˙YWh 5fYU. ˙<SbS˙ WeWE fgV[We
H\]g˙Wci fgY˙WUb˙U˙gc˙VY˙ghi X]YX˙]b˙h\Y˙Zc``ck]b[˙gdYW]U`]gUh]cb. ˙=adWS˙ EfgV[We˝˙3e[S˙ EfgV[We

: cW˙gYg˙cb˙h\Y˙fY˙Uh]cbg˙VYhk YYb˙>UdUb˙UbX˙?cfYU˙Zfca ˙h\Y˙`UhY˙%-h\˙WYbhi fm˙UbX˙h\Y˙fc`Y˙cZ˙>UdUbYgY
Wc`cb]U`]ga˙]b˙h\Y˙XYj Y˙cda Ybh˙cZ˙?cfYUb˙W˙hi fU˙bUh]cbU`]ga˙"˙9l Ua]bYg˙h\Y˙WcbhYl h˙cZ
>UdUbfg˝˝cdYb]b[˝˝cZ˙?cfYU˙]b˙%, +*ž]bW] X]b[˙h\Y˙]bhY˙YWhi U˙Zma Yk cf_g˙Vm˙k \]W\˙?cfYUb˙UbX
>UdUbYgY˙h\]b_Yfg˙XYZ]bYX˙W˙hi fU˙i b]hm˙XYVUhYg˙Ua cb[˙?cfUfg˙˙W˙hi fU˙WcbgYfj Yg˙UbX˙h\cgY˙k \c
UXj cWUhYX˙Ua_]b[˙>UdUb˙Ug˙U˙a cXY`˙Zcf˙gcW]U`˙UbX˙W˙hi fU˙W\Ub[Y˙>UdUbYgY˙fYUX]b[g˙cZ˙?cfUb
W˙hi fYfg˝˝XYZYWhg˝˝UbX˙YUfm˙gi ddcfh]Zcf˙?cfYUb˙gY˙Zghfb[h\Yb]b[˙a cj Ya Ybhg˙h\Y˙fY˙Uh]cbg\]d˙VYhk YYb
>UdUbYgY˙Wc`cb]U`˙dc`]Wm˙g˙UbX˙?cfYUbgfifYgdcbgYg˙UZ\Yf˙UbbYl Uh]cb˙]b˙%-%$˙h\Y˙]bhYffYUh]cbg\]d
VYhk YYb˙h\Y˙>UdUbYgY˙dc`]Wm˙cZ˝˝W˙hi fU˙fi ˙Y˝˝˝UbX˙h\Y˙?cfYUb˙fYgdcbgY˙cZ˝˝W˙hi fU˙ØUh]cbU`]ghΩ
a cj Ya Ybhg˝˝˝UZhYf˙%-%-˙/UbX˙h\Y˙XYj Y˙cda Ybh˙cZ˙?cfYUb˙W˙hi fU˙bUh]cbU`]ga ˙h\fci [ \˙h\Y˙Wc`cb]U`˙dYf]cX
f]%-%!%-()Ł˙˙7cbWi XYg˙k]h\˙U˙Wf]h]WU`˙YlUa ]bUh]cb˙cZ˙h\Y˙WcbhYbi ]b[ ˙]a dUWhcf˙>UdUbYgY˙Wc`cb]U`]ga ˙cb
h\Y˙Wcbgfi Wh]cb˙cZ˙W˙hi fU˙a Ya cfm˙]b˙VcbhYa dcfUfm˙?cfYU"H\]g˙Wci fgY˙]g˙hUi [\h˙]b˙9b[`]g\˙UbX˙k]h\
fYUX]b[g˙]b˙9b[`]g\"

7ci fgY˙@YUfb]b[˙Ci hWca Yg

5ggYgga Ybh

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 Uh Ya dh]b[hc gi Va]hmci f Ugg][ba Ybh h\fci [\ Hi fb]h]b bž d YUgY hY Yd\cbY 9l hYfbU Gi ddcfh]cb -',) '' ' ' %cf Ya U]`h Ya cb Yl hYfbU hY gi ddcfh4 i bgk "YXi "Ui '" Gi ddcfh \ci fg UfY '. $$Ua '— '%$. $$da cb k YY_ XUmg UbX '-. $$Ua '—') . $$da cb k YY_ YbXg f] *) XUmg U mYUfŁ" =Zmci UfY i bUV`Y hc gi Va]hmci f Ugg][ba Ybh XiY hc U Zi `hk ]h\ Hi fb]h]b mci a UmUdd`mZcf Ub 9l hYbg]cbž Vihmci a i ghfYHU]b mci f]h] W Yhbi a VYf Zca '9l hYfbU Gi ddcfhfU`cb[ k ]h\ Ubmch\Yf fY Yj UbhXcW a Ybhg Ł hc ]bWi XY Ug Yj ]XYbW hc gi ddcfhmci f Yl hYbg]cb Udd`W h]cb" =Zmci Ya U]`9l hYfbU Gi ddcfhmci k ]`

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

D`U[ ]Uf]ga ]g i g]b[ h\Y kcfXg cf ]XYUg cZ ch\Yfg UbX dfYgYbh]b[ h\Ya Ug mci f ck b" ‑h WUb hU_Y a Ubm Zcfa gž Zcam XY`]VYfUhY W\YUh]b[hc UWW]XYbhU``mWcdm]b[Zcfa U gci fWY k]h\ci h UW_bck `YX[Ya Ybh'

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

7cdm]b[. i g]b[h\Y gUa Y cf j Yfm g]a]Uf kcfXg hc h\Y cf][ ]bU` hYl hcf ]XYU k ]h\ci h UW_bck `YX[]b[h\Y gci fWY cf i g]b[ei ch\Uh]cb a Uf_g" H\]g U`gc Udd`]Yg hc a U[Ygž Uf hUbX XYg][b dfc^YWhgž Ug k Y`` Ug dfYgYbhUh]cbg k \YfY gca YcbY dfYgYbhg Ubch\Yfg]XYUg cf kcfXg k]h\ WfYX]h'

=bUddfcdf]UhY dUfUd\fUg]b[. 7\Ub[]b[U ZYk kcfXg UbX d\fUgYg k \]`Y a cgh`mfYhU]b]b[h\Y cf][]bU` ghfi Wi fY UbX#cf dfc[fYgg]cb cZ ]XYUg cZ h\Y cf][]bU`ž UbX]bZcfa Uh]cb k]h\ci h UW_bck `YX[Ya Ybh' H\]g U`gc Udd`]Yg ]b dfYgYbhUh]cbg k \YfY gca Y dUfUd\fUgYg Ubch\Yf'g ]XYUg cf kcfXg k ]h\ci h WfYX]h UbX hc d]YW]b[ hc[Yh\Yf ei chYg UbX dUfUd\fUgYg ]bhc U bYk k \c`Yž k]h\ci h Uddfcdf]UhY fYZYfYbW]b[

7c``i g]cb. kcf_]b[ k ]h\ ch\Yfg Vi hdUgg]b[ cZZ h\Yk cf_ Ug U dYfgcb’g ]bX]j ]Xi U` kcf_" 7c``i g]cb U`gc ]bW`i XYg dfcj]X]b[mci f kcf_ hc Ubch\Yf ghi XYbh VYZcfY h\Y Xi Y XUhYž cf Zcf h\Y di fdcgY cZ h\Ya

- i bXYfghUbX˙mci f˙f][˙\hg˙UbX˙fYgdcbg]V]˙]h]Yg˙Ug˙U˙gh˙XYbh˙UhI˙BGK
- VY˙Uk˙UfY˙cZd˙U[˙]Uf]ga˙žWcdmf][˙\hž˙I˙BGK˙˙Ghi˙XYbh˙7cXY˙cZ7cbXi˙Wh˙UbX˙5WWWdhUV`Y˙I˙gY˙cZ I˙BGK˙˙=7˙H˙F˙Ygci˙fWY˙g˙Dc`]Wh
- VY˙Uk˙UfY˙cZh\Y˙gh˙UbXUfXg˙cZVY\Uj]ci˙f˙Yl˙dYWhYX˙cZYj˙YfmcbY˙]b˙h\Y˙I˙BGK˙˙Wca˙a˙i˙b]hm
- `cWWUh˙Y˙gYfj]WY˙g˙UbX˙]bZcfa˙Uh]cb˙UVci˙h˙I˙BGK˙˙UbX˙I˙BGK˙˙@]VfUfm

Gca˙Y˙cZh\YgY˙UfYUg˙k˙]˙`VY˙ZUa˙]`]Uf˙hc˙mci˙žch\Yfg˙k˙]˙`VY˙bYk˙"˙;˙U]b]b[˙U˙gc˙]X˙i˙bXYfghUbX]b[˙cZU``h\Y fY`UhYX˙UgdYWhg˙cZ9@G9˙k˙]˙`\Y`d˙mci˙]a˙U_Y˙h\Y˙a˙cgh˙cZmci˙f˙ghi˙XYg˙UhI˙BGK˙"˙
\hhd.##gi˙V˙YWh[˙i˙]XYg"`]VfUfm˙i˙bgk˙"YXi˙"Ui˙#Y`]gY#UVci˙hY`]gY

5WUXYa]W‡bZcfa Uh]cb

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

- fYei Yghg Zcf Yl hYbg]cb/
- `Uh Y gi Va ]gg]cbg [ i ]XY`]bYg/
- fYj]Yk cZa Uf_g/
- I B GK `< YU`h\ `UbX `GUZYhm idc`]W]Yg/