

# Plane , Pain, and A m bile



H\fy\ci fgLbXÚZiYb'a ]bi Hgi bh] '=Lb \ca Y''

d'YUy'ZUy'nci f'gyUhWY'h' =bgYfh\Y'a YrU 'Uhh]b[g]

nci f'gyUhWY'hZUy'YXh'fci [ \ci h\Y'Ú][ \h'ZUgk Y'a Um  
Yi dYf]YbW'h fVi 'YbW'i H\Y'Ú][ \hU'YbXUbhgZi





+,-./012\$/2'304256'72%892'823: %&; 3<="\$/3%42'  
ZcfWtYUj[ \hUHybXUbhga cj YhYVWfhtc hYbYl hdcX'  
>'320\$35%'&.'?'; '\$@8A"&'9'0>2B'3.22: "&'9': 0332&9283%'&  
\$/2'B0?<

+C/2283<6'72%892'0&; ', '#.'&D'%@8': .03\$"##@: 3'0&; '  
\$0D2'0'3": <+E@'30"; '\$/0\$?'@.'%3\$\$/3'9'8.'%>'?@835'A@&\$'  
'>'?@.'%12'/28".D2'?@'30?'?@'; %5'40?A2'?@'/012&-\$'  
820..?'%3\$'/28<6

+F2."212'425',04'\$%%'.0\$2<6

Ī #hjbYj Yf hcc' UYhc' gUfhU[ \hjb[ 'i

+G/0&D35'72%89256',3%.24&.'?82: ?<F2"&'9'#082>@.'  
&%'\$%'3: ".5', \$0D2'0'3": '%>'4?'; 8"&D'0&; ': .0#2"\$%'&  
\$/2': .03\$"#80?'"&'8%&\$%'>'42<'H'.2&\$'.75', 'B0\$#/'03\$'/2'  
A@AA.23'\$@#D'\$%'\$/2'3"; 2'%>'\$/2'#.208': .03\$"#'40D2\$'/2'8'  
B0?'\$/8@9'/\$/2'9%.; 2&'.'I@'; '0&; '3@8-0#2'>'8'0'8<

J J J

,\$'B03'0'! 8"; 0?'&'9/'5\$! 2A8@08?'\$B2&\$?K2'9/'/\$%'A2'  
2L0#5'B/2&', '%: 2&2; '\$/2'.2\$\$28<,'420&5',/0; '9%\$\$2&\$/2'  
240."\$/2'; 0?'A2->82'.2\$\$&'9'42'D&%B'\$/0\$',/0; 'A22&  
0##2: \$2; 5'A@\$/3'B03'; ">282&\$<,&'4?'/0&; 5',/2; '4?'  
\$"#D2\$%'@%'>'C088%.5',%B0<

+M208'C08\$28'NOD"&5

C%&980\$@.0\$"%&30', "\$'3'B'\$/9820\$: .203@82\$'/0\$', '  
%>>28'?@'0; 4"33"%&'\$%'\$/2'P2&&'H\$0\$2'Q&"1283"\$?'#.033'  
'%>RS)T<6',3: 2; '\$/8@9'/\$/2'.2\$\$28'3208#/'&'9'>'8'0&?'  
]bX]VUj]cb'cZ'UbUv]U]UjXz'UbX'hYfY]hk Uj] Ī Mci  
ei U]jYXZcf'ci f'8]gMj YfDYbb'GHY'UbUv]U]Uk UFX'cZ  
URV5SSS'%128'>'@8'?2083<'G/282'B"..A2'0W6'

X.7330\$'/82B'/28'0843'08%&; '4?'&2#D'0&; 'D"332; '  
4?'#/22D<F%\$/%'>'4?': 082&\$3'Y"&2; ""&'\$/2'@9'0&; '  
\$/2&'4?'; 0; ': %: : 2; '0'A%\$\$2.%>#/04: 09&2<X.7330'  
: %@82; '@3'20#/'0'9.033'0&; '9%\$/2832.>0'#@: '%>'B0\$28<  
= 2'80"32; '%@8'9.03323%'>A@AA."&'9'9%; 2&'.'I@'; '\$%\$/2'  
g\_m]b WYVfU]cb'cZ'hYdUj]Zci f'mUfg'UbU'ndUj]b[ '  
'%>>"&\$/2'A23\$'B0?': '%33'A.2<P2&&'H\$0\$2'/0; 'A22&'4?'  
; 8204'3"&#2'>823/40&'?208%'>'9/'3#/%.5'0&; '0\$'/0\$'  
4%42&\$5"\$A2#042'0'820."\$?<'

X3\$'/2#2.2A80\$%'&; '2; ', %B&5'4?': 082&\$3'\$@8&2; ""&'

>%8\$'/2'&'9/'5\$0&; 'X.7330'0&; ', 'B0.D2; 'A0#D'\$%'4?'8%>4<  
G/2'2L#"242&&'3\$08\$2; '\$%'B208%'>>'A2#0@32'B2'A%\$/  
820."Z2; '\$/0\$\$/3'.2\$\$28'420&\$'B2'/0; '0'A'9'#%&12830\$"'&  
'&'>8%&\$%'>@3<

X>\$28', '#.%32; '\$/2': %85'X.7330'B80: : 2; '/28'0843'  
08%&; '4?'&2#D5'.%>D2; ""&'4?'2?235'0&; '30"; 5'+, 'D&%B'  
B2'&22; '\$%'\$0.D'0A%@\$'/"35'A@A2->82'B2'; %5', &22; '\$%'  
\$2..?'@\$/0\$, '04'3%"&#82; "A.?' : 8%@; '%>'?@<6

= 2'30\$%'&'4?'A2; '\$/0\$'&'9/'0&; '\$0.D2; '\$/8%@9/'  
0..\$/2': %33"A."\$23<'H/2\$%; '42\$'/0\$, '/0; 'B'8D2; '\$%%'  
'/08; '0\$'/"3%: : %8\$&"\$?'\$%': 033'"\$@: '&'B<', '3@9923\$2; '  
\$/0\$'X.7330'#%@.; '0: : .?'\$%'P2&&'H\$0\$2'&2L\$?'208'B/2&  
\$/2\$"42'#042'08%&@; 5'0&; '\$/2&"\$'B%@; '%&.'?A2'0?'208'  
'%>'&9K; "3\$0&#25'A@\$/3'2'\$%; '42\$'/0\$'3/2'&22; 2; '\$%'  
3\$0?'#.32'>'8'/28'>04".?<[ 28'; 0; '/0; 'B'8D2; '\$%%' /08; '  
\$%'3\$0?'3%A28'>'8'/28'\$%.2012<'N%&9K; "3\$0&#2'B03'0&  
'%: '\$%&5'A@\$/2\$'/28%'>@3'D&2B'/%B'B2'B%@.; '0>%8; '  
\$/2': .0&2\$"#D2\$35'0&; 'A?'\$/2\$'42'&2%'>@3'; 8%12'\$%\$/2'  
%/28'B2'B%@.; '/012'\$%\$@8&'08%&@; '0&; '8'12'/%42<  
= 2'\$0.D2; '\$/8%@9/'0..\$/2%: '\$%&35'0&; '\$/2&'B2'#8'2; '0'  
.%<'C'42'X@9@35'B2'B%@.; '/012'\$%'30?'@8'9%&; A?2<

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+N0; "23'0&; '92&\$.242&5'03'B2'3\$08\$%'@8'; 23#2&\$%'\$'  
M23'\%'&23', &\$28&0\$%'&0.'X"8: %85\$: .2032'40D2'3@82'  
'?@8'320\$'A0#D3'0&; '\$80?'\$0A.23'082'"&\$/2'8@: '8'9/'  
: %3\$"'%&<'<0D2'3@82'?@8'320\$'A2.'"3'32#@82.'?>03\$2&2; '  
0&; '0..#088?K%&'.@99092'"3'3\$B2; ""&'\$/2%'128/20; '  
#%4: 08\$42&\$3'8'@&; 28&20\$/'\$/2'320\$"'&'8%&\$%'>'?@<6'  
H\YUj[ \hUHybXUbhUj]c]WVWcYghfci [ \ci hY'  
: .0&25'0&; '\$/2'\$B%.0; "23'B0.D'@: '\$/2'0'3.2#/'2#D'&'9\$'/0\$'  
2128?'\$/&'9'3#.208<

, '%D%'128'0\$'72%8925'B'\$/3'982'/'0'8'0&; '  
B8"&D.2; '3D"&<[ 2'32243'3%/0: : ?5'; 23: "\$2'.%3"&'9'/'3'  
B">2<+72%8925'B/0\$'; "; '?@'; "%&'?%@8.">2]'N'D25'  
B/282'; "; '?@'B%8D]6

+,'32812; ""&'\$/2'084?'>'8\$B2&\$?'?2083'A2->82'4?'  
B">2'0&; ' ; 2#"; 2; '\$%': @\$'; %B&'8%\$3"'&'%&2'3: %<,'  
B03&-\$>0'8'\$%D22: '4%1"&'9'/28'0&; '%@8'; 0@9/\$28'08%&@; '



