

Ovádovítí (Diptera: Tabanidae) Jizerských hor a Frýdlantska

**Tabanidae (Diptera) of the Jizerské hory Mts and Frýdlant region
(northern Bohemia, Czech Republic)**

Lcp"LGfiGM³⁺.Rcxgn"XQPK MC⁴⁺ⁿ ("Lk ¶"RTGKUNGT⁵⁺

³⁺Gpvq o qnqikem²"qff ngp¶"P^atqfp¶jq"o w|gc."Mwptckveg"3."E \ "ó"36:"22"Rtcjc"6-
g/o ckn<"lcpalg|gmB p o le|

⁴⁺Ugxgtq gum²"o w|gw o."Ocucl{mqxc"33."E \ "ó"682"23"Nkdtgte-"
g/o ckn<"rcxgn\oxpkemc B o w|gw o ndle|"

⁵⁺Xnpce um^a"8;4."E \ "ó"682"28"Nkdtgte"8-"g/o ckn<"rtgkung\ddnd B ug|pc o le|

Abstract. "Cmvi g v j g t"7"i g p g t c"p f"48"u r g e k g u"q h"j q t u g"t k g u"y g t g"t g e q t f g f"cv"74"n q e c n k v k u" *k p e n"0"35" c f f k v k p c n" j c d k v c u + "k p"v j g"l k | g t u m² j q t { "O v u" c p f" k p"v j g" c f l c e g p v" H t f n c p v" t g i k q p"0" F k u v t k d w k p. "g e q q i k e c n" c p f" d k q p q o k e c n" c u r g e v u" c t g" o g p k q p g f" k p" g c e j" u r g e k u"0

Key words: "Fkrvgtc."Vcdepkfcg."hcwpkuvkeu."fkuvtkdwkqp."Lk|gtum²jq t { "Ovu."Ht fncpv"tgikqp."E|gej"Trgrwdnke."Dqjgokc

—XQF

X" rncngctmvkem²"qdncuvk"ug"x{um{vwlg"763"ftwj " gngfk"Vcdepkfcg."| "pkejfl"d{nq"fquwf" x" gum²"tgrwdnkeg"|lk-v pq"76"ftwj *x" gej^aej"6;."pc"Oqtex "6:+.xk|"Ejx^anc"3;.:.:"4228+0" OqpqitcLg"rqmt xclfe¶"gxtqrumqw"hcwpx^afqxkv ej"u"wt qxce¶ok"mn¶ k"pc"ko^aic"wxg glpknk" Ejx^anc"gv"cnl"3;94+"c"u v g f q g x t q r u m q w" h c w p w" E j x^a n c" * 3 ; : 2+0" F c n - ¶ " r t^a e g" q d u c j w l f e ¶ " h c w / p k u v k e m²" | r t c e q x^a p ¶ " l g f p q v n k x e j" x { - ¶ e j" v c z q p . " c u v q" p g Á r n p²" m n ¶ g" p c" t q f { " c" f t w j { " k o^a i" p g d q" x x q l q x e j" u v^a f k ¶ " r w d n k m q x c n k" E j x^a n c" (" L g f l g m" * 3 ; 8 ; : 3 ; ; 9+ " L g f l g m" * 3 ; 9 2 . " 3 ; 9 3 . " 3 ; 9 8 . " 3 ; 9 9 c / h . " 3 ; : 2 c . d . " 3 ; : . . " 3 ; ; 4 . " 3 ; ; 7 . " 3 ; ; ; + " L g f l g m" (" D e t v^a m" * 4 2 2 2 . " 4 2 2 7 + . " L g f l g m" g v" c n l" * 4 2 2 7 + . " O q w e j c" * 3 ; 9 8 + . " O q w e j c" (" E j x^a n c" * 3 ; 7 7 . " 3 ; 7 8 c / f . " 3 ; 7 ; c . d . " 3 ; 7 ; c / f . " 3 ; 8 3 . " 3 ; 8 6 . " 3 ; 8 9 . " 3 ; 8 . . " 3 ; 8 ; + " c" Q n u w h l g x" g v" c n l" * 3 ; 8 6 . " 3 ; 8 9 + 0" Q" f ¶ n ¶ " o c r q x^a p ¶ " q x^a f " gum²"tgrwdnkm{"c"Unq/xgpumc"ug"x"o k p w n q u v k" r q m w u k n k" L g f l m q x^a * 3 ; 9 6 + " c" L g f l g m" (" L g f l m q x^a * 3 ; 9 : + 0" R t q | " q q i g q i t c L e m²" c" g m q q i k e m²" j q f p q e g p ¶ " l g f p q v n k x e j" f t w j " d { n q" p g | d { v p²" x { w f ¶ v" r t q" v w v q" u v w f k k" k" f c n - ¶ e j" r t c e ¶ " o q p q i t c L e m²" j q" e j c t c m v g t w < " C p f t g g x c" * 3 ; ; 2+ . " N g e n g t e s" * 3 ; 8 2 . " 3 ; 8 9 + " c" Q n u w h l g x" * 3 ; 9 9 + 0" - f c l g" q" t q | - ¶ g p ¶ " f t w j " d { n { " c m v w c n k | q x^a p { " r q f n g" H c w p c" G w t q r g c" * E j x^a n c" 4 2 2 9 + 0" P q o g p m n c v w t c" c" u { u v g o c v k e m²" c | g p ¶ " f t w j | " q j n g f w l g" l k f | " o ¶ p p" r e n c g t m v k e m" m e v c n q i" * E j x^a n c" 3 ; : . : + 0

-fclg"q"qx^afgej"|"Lk|gtum ej"jqt c" Ht fncpvumc" r gf" |cj^algp¶o"vqjvqv" x |mwow"luqw" xgnok"urqt²0"Xko ogt"3;35+"rwdnkmqxcn"|"Vcpxcnfw" c" P^axctqxc"ftwj" *Tabanus autumnalis* Nkppcgwu."3983" c" Lgflmqx^a * 3 ; 9 6 + | c t g i k u v t q x c n c" | r ¶ t u v m" u d ¶ t g m" P^a t q f p ¶ j q" o w | g c" f t w j { " *Tabanus bovinus* Nkppcgwu."397:" * R g m n q + . " *Hybomitra arpadii* * U | k n^a f . " 3 ; 4 5 + . " *H. auripila* * O g k i g p . " 3 : 4 2 + . " *Heptatoma pellucens* * H e d t k e k w u . " 3 9 9 8 + " c " *Haematopota pluvialis* * N k p p c g w u . " 3 9 7 : + " * x - g " J q t p ¶ " R q n w d p + 0

Qx^afk"luqw"qdgep "hcmvncvkvxp¶ok"gmvqrctc|kvkem ok"fxqwm ¶fn ok" |glo²pc"pc"vgrnq/mtgxp ej"qdtcvnqxce|ej0"Jcg o cvqh^a ip¶uc o keg"ug"vcm²"qdfqdp "lcmq"mtgx"pguclfe¶uc o ek" cuvq"

r kmt owlpgmvtcg o mxgvqwefej tqvunkp c o f | qw rqtcp p ej k gtuvx rqtcfllp ej lgjnk pcp 0
 \ gl o 2 pc uc o ek .cng vcm 2 uc o keg .ucl f x vgrn 2 o ngvp f o qdfqd f o l0 xqfw | c ngw | xqfp f j nc fkp f
 t { dp f m .lg | gt .v p f c mcnw f l 0 Xcl f mc luqw mnc f gpc x f qd g w t q x p c p e j x t u v g x p c v e j u p - m a e j
 x v - k p q w p c u r q f p f u v t c p w n k u v | x q f { x { p f x c l e f e j t q v u n k p c f g x k p 0 O g v c r p g w u v k e m 2 n c t x {
 luqw cmxcvkem 2 .ug o kcmxcvkem 2 pgdq k g f c L e m 2 c x v - k p q w f t c x 2 0 N c t x c r q u n g f p f j q k p u v c t w
 o k i t w l g f q u w - f j q o f u v c . m f g u g m w m m f * r w r c q d v g e v c + 0 N c t x { u g x u m { v w l f x v - k p q w x n g u p f e j
 v p f e j c d c f k p a e j . x n k v q t a n w t { d p f m .lg | gt c w o n e j x q f p e j p a f t f l f x r t u c e f e j x u { r g m
 r q x t e j q x e j f q n . x d w n v e j t c - g n k p k - c x f t p g e j x n j m e j n w m . x o g c p f t g e j r q v q m . f g m .
 g m . x g u v w f a p m a e j c r t c o g p k - f e j 0 N c t x { p m v g t e j f t w j l u q w c n g | l k u v k v g n p 2 k f c n g m q q f x q f f
 x u w e j 2 | g o k . x g u v g r p f e j c f m q m p e g k r q w - v p f e j q d n c u v e j 0 R q f t q d p l - f l a f c l g q d k n q i k k .
 d k q p q o k k c g m q n q i k k x k | E j x a n c (L g f l g m * 3 ; ; 9 + 0

OGVQFKMC"O"CVGTKfN

Ocvgtk n d { n f u m p x n g v g e j 4 2 2 2 6 4 2 2 9 t | p o k o g v q f c o k u d t w p c 7 4 n q m c n v a e j * c p c 3 5 f n f e j d k v q r g e j + 0
 R q f t q d p l - f x o g l g p f c e j c t m v g t k u m c u n g f q x c p 2 j q a l g o f x k | X q p k m c (X k - a m * 4 2 2 : + 0 P g l c u v l k r q w f l x c p q w
 g z v g p l f x p f o g v q f q w u d t w * k o a i c + d { n q f e j { v p c r q q v g x g p 2 o v g t 2 p p f o c w q o q d k n w . r g t w - q x c p m t a v m q f q d u o { m
 p c x g i g v c e k * d g j { v q m c x q f p f e j p a f t f l f . o q m c f { . t c - g n k p k - v . r t c o g p k - v . r t u c m f c r q f l o . x k l o g p k
 p c u x w q l P e u d f t c p o c v g t k n d { n w u o t e q x a p x g z j c w u v q t w u k t p o v g j t g o . v t c p r q t v q x a p c f g r a p q x a p x d w p k k v 2
 x c v p g d q x f g x p e j l g o p e j j q d n p e j 0 O g l k p g p l f x p f o g v q f { u d t w r c v k n c r n k m c e g r n c u v x e j f l n w e j o k u g m .
 n | m w o q x a f r t q d j c n k l c r q w f l k f O c n c k u j j a . g o g t i g p v p f e j c p a t c l q x e j r c u v f 0 R q f t q d p R v q f o g v q f { r r k u w l g
 X q p k m c * 4 2 2 : + 0 X v 2 v r t e k l g x { w f l k q u d t x - g e j v f u r q n c w c w q t c f a n g H M t c o r n c * u d t p c u x w q l 0 R w f l k 2 | m t c m l
 o g v q f u d t w x r r g j n g f w n q m c n k v E H V o e q o d k p g f l k i j v t c r u o u v t q m g v t c r u * p a t c l q x 2 r c u k t . G V o g o g t i g p e g v t c r u
 * g o g t i g p v p f r c u k t . O V o O c n c k u g v t c r u * O c n c k u g j q r c u k t . [R V o g m m y r e p v t c r u * f l n w 2 o k u m { + . x - g L 0 R t g k u n g t
 (R 0 X q p k m c n i v 0 : N o n k i j v * u d t p c u x w n q . H M t c o r n n i v 0 : U Y o u y g g r k p i * u o m a p f x g i g v c e g c l p f k x f w a n p f q e j { v
 f q g p v q o q n q i k e m 2 u f v + 0

X - g e j p l p e u d f t c p 2 g z g o r a n g * 3 3 7 ; ; g z l x { r t g r c t q x c p 2 p c u w e j q l u q w f g r q p q x c p 2 a u v g p x g u d f t e g g p v q /
 o q n q i k e m 2 j q q f f n g p f P a t q f p f j q o w l g c x R t c l g c a u v g p x g u d f t e g U x g t q g u m 2 j q o w l g c x N k d g t e k 0 X g - m g t
 o c v g t k n f v g y t o k p q x c n r t x p f c w q t r t a e g . r q r t q w r k f g y g t o k p c e k d n c k t q u j n a | a m n c f p f u d f t m c g n g f k V e d c p k f c g
 P a t q f p f j q o w l g c l

R g j n g f n q m c n v

- f c l g m n q m c n v a o l u q w x g f g p { x p a u n g f w l f e f o r q c f f f l u n c p a l g x n q m c n v { * q d g e . a u w q d e g . e j t a p p 2 a l g /
 o f . x t e j q n c r q f l o . h c w p k u v k e m o c r q x v x g t g e * R t w p g t (O f m c 3 ; ; 8 + . p c f o q u m a x - m c . d k v q r . f c v o * i p v g t x c n t
 u d t w . | m t c v m o g v q f { u d t w c w u o { m l o 2 p q u d t c v g n 0 P m v g t 2 n q m c n v { l u q w t q l f n g p { p c x f e g d k v q r . m v g t 2 l u q w
 q l p c g p { r f u o g p { 0 F c n - r q w f l k 2 | m t c v m { < P R T o p a t q f p f r f t q f p f t g l g t x c e g . R T o r f t q f p f t g l g t x c e g . R R o r f t q f p f
 r c o a v m c l

- [1] Arnoltice *qdge Dwnqxmct. 7278. 522. o. 4: 0XK04225. U Y. R0 Xqpk mc ni v 0 330XKK04225. U Y. L0 Rtgkngt ni v 0
- [2] Dgf kejxqxqfp p a f t f l . 7378. 972. o. 3: 0XK04224. U Y. R0 Xqpk mc ni v 0 [3] Bilý Potok. 7379. [3a] o qm cf c x n j m 2 n q w m { p c f m q w r e n v o l k p f q f q d e g . 632. o. 340XKK04223. U Y. L0 Rtgkngt ni v 0 [3b] c t { d p f m { u x l q f f l g n 0 u v c p k e g . 672. o. 50XK04227. U Y. L0 Lgflgm ni v 0 50XK0/60KZ04227. O V 2 430XK04228. U Y. L0 Rtgkngt ni v 0 [3c] c r q v q m X g n m T d f q f c u g x g t p q f q d e g . 682. o. 340XKK04223. U Y. L0 Rtgkngt (R 0 X q p k m c n i v 0 : [3 d] c D a t v n q x c d w f c . A f q n J a l g p 2 j q r q v q m c u o t V k - k p c . 772/822. o. 430XK04228. U Y. L0 Lgflgm ni v 0 [4] Bukovec PR. 737. .; 22. o. R t c n q w m c r t c o g p k - v . j q t u m 2 n q w m { + . 350XKK04223. 530X04225 c 3 ; 0XK04227. U Y. L0 Rtgkngt ni v 0 320XK0 ; 0XKK04225. E H V [5] g t p a l g f t m c P R . 7379. ; 22. o. t c - g n k p k - v . 60XK04224. U Y. R0 Xqpk mc ni v 0 [6] gtpqwu / X R n k . 7278. 472. o. u q w u v e x c t { d p f m x e j q p q f f q u c f . o q m c f w r f i v q m f q t { d p f m . 360X0/30XKK0. 470XKK0/390XKK04229. O V [7] g u m m w o d w t m * q d g e V e p c n f + . 7479. 842. o. l k l p f u x e j p c f a f q n f o r q v q m L g - m t c d g e * r t c o g p k - v . r q v q m . n g u . n q w m { + . 520X04227. U Y. L0 Lgflgm ni v 0 [8] Ferdinandov *qdge J g l p k e g . 7378. 592. o. u q w v q m O c n 2 j q c X g m 2 j q T m v q n r k e j w . 3 ; 0XK04224. U Y. R0 Xqpk mc ni v 0 [9] Hqlvgem o q m c f R R . 7378. 592. o. 3 ; 0XK04223. U Y. L0 Lgflgm ni v 0 [10] Frýdlant. 7278. 542. o. d g j { g m { U o f 2 . 440X04228. U Y. L0 Rtgkngt ni v 0 [11] Holubník *xte j q n . 7379. ; 72. o. 450XK04225. U Y. R0 Xqpk mc ni v 0 [12] J q t p f g t p a U w f p l e g * q d g e P a x a X g u p c f P l u q w + . 7479. 972. o. o q m c f . q n - k p c . 450XK04228. U Y. L0 Rtgkngt

lkflp|jq"Wtcnw+"pc" F^anp "x ejqf."ugxgtp|j tcpkeg"rtqej^a |¶94^Áugxgtp| -¶ m{"c"lkflp|j tcpkeg" xfgf"r gu"uv gfgoq um²quvtqx{."Crgpkp{."Dcmm^ap."Mcxmc|."~t^ap*¶Lgflgm"3; :2c+." ¶pw"c"Oqp/ iqnumq|X um{v|glo²pc"x"ngupcv ej"qdcucvej"qf"p¶flkp"r gu"rcjqtmcvkp{"cfl"rq"jqt{0"Nctx{ "ug"x{x|¶gl|¶"r gx^aflp "xg"fp "rqvqm "c"d{uv kp."mwmngp|¶rtqd|j "xg"d g|¶ej"xqfpej" |^avq kp" *¶Lgflgm"3; 92+0"

Arnoltice [1]<4:0XK04225.";" 0" **gtpqwu{/X"Rqnk"}8**<360X0/360XK04229."3" = 360XK0/30XK04229."4" 0"**Ferdi nandov [8]**<3:0XK04224."3" 0 **Horní Pertoltice [14]**<360X0/360XK04229."32" .""4" = 360XK0/30XK04229."3" = 30/470XK04229."3" 0"**Javorový vrch [18]**<380XK04225."3" 0"**N^a|p "Nldxgtfc"}46**<420XK04224."6" 0 **Meandry Uo f²RT**]52.<3:0XK04224."4" = 3;0/530X04227."4" .".3" =530X0/440XK04227."4" .".3" =360X0/360XK04229."7" 0"**Minkovice [31]**<440XK04228."4" 0 **Poustecká obora [36]**<440XK04228."3" 0"**¶que x't{dp|¶m}68**<70/390XK04224."4" =3:0/4:0XK04224."3" .".3" =4:0XK0/320XK04224."3" 0"

Chrysops relictus Ogki gp."3:42

Gxtqrumq/ukdk um "nguquvgrp|¶ftwj."pc" |^arcf "ctg^anw"x um{vw"rqmt x^apkfl-¶"rctvkg"R{tgppl|¶ c"ugxgtqx ejqfp|¶^auv"Dtkvum ej"quvtqx ."rqmtc wlg^v2o "r gu"egnqw"Gxtqrw*ej {d|¶"xg"Unq/ xkpumw." Ocmgfpqkk" c"x"qdcucv|lkflp|jq"Wtcnw+."pc"x ejqf " |cucjwlg"cfll"rq" Lcmwvum0"Ugxgtp|¶ j tcpkeg"rtqd|j^adqg^anp|¶o"gmqtgikapp o"*umcplfkp^axum²uv^av{+c"pc"lkjw"xgfgg"nk o kwll¶e|¶j tcpkeg" r gu"Crgpkp {"c"Dcmm^ap"pc"uv gfgoq um ej"quvtqxgej"ej {d|¶+." ¶pw"c"Oqpiqnumq|X{um{vwlg" ug"x"p¶flkp"ej" c"rcjqtmcvkp^aej0"Nctx{ "ug"x{x|¶gl|¶"xg"uvqlcv ej"xqf^aej"t{dp|¶m "c"o nm ej"xqf/ p|¶ej"p^aftfl|¶u"dcjpkv o"pfg o"pgdq"xg"fp "rqo cnw"vgmqwe¶ej"qfxqf qxce¶ej"mcp^an ."rqvqm " c" gm"*¶Lgflgm"3; 92+0"

Ogcpft{ "Uo f²RT"]52.<530X0/440XK04227."3" 0"**Minkovice [31]**<440XK04228."4" 0

Chrysops viduatus *Hedtkekwu."39;6+

Fqmncfqx^ap^v2o "xg"x-gej" gxtqrum ej"uv^avgej"*x"pglugxtp l-¶ej" qdcucvej"Umcpfkp^axkg" ej {d|¶.vcm²"x"qdcucv|lkflp|jq"Wtcnw."x"D nqtuwum" c"Oqnf^axkk+."pc"x ejqf " |cucjwlg"lgjq" ctg^an"tq| -¶ gp|¶cfl"rq" |^arcfpp|Ukdk "*Vqo um+0"lkflp|j tcpkeg"xgfg"r gu"R{tgpplum "rqnquvtqx." Crgpkp{."Dcmm^ap."rtqej^a |¶"Vwtgemg o"cfll"rq" Mcxmc|0"X{um{vwlg"ug" k"pc" o pqj ej"quvtqxgej" xg"Uv gfg|g o p|¶o" o q k0"Nctx{ "ug"x{x|¶gl|¶"jncxp "x"dcflkp^aej" c"o q^angej"*Cnpgvw o+"pgl| | / p l-¶ej"mtclpp ej" hqt o ce|¶*¶Lgflgm"3; 92+0"

Arnoltice [1]<4:0XK04225."5" 0 **gtpqwu{/X"Rqnk"}16**<360X0/360XK04229."3" 0 **Ferdinandov [8]**<3:0XK04224."5" 0 **Horní Pertoltice [14]**<360X0/360XK04229."3" = 360XK0/30XK04229."3" 0 **Kunratice [23]**<440XK04228."3" 0 **N^a|p "Libverda [24]**<420XK04224."3" 0 **Nwfxmqx"rqf"Uo tmg o"J4**:<420XK04224."3" = 420XK04228."5" 0 **Meandry Uo f²RT**]52.<3:0XK04224."8" = 3;0/530X0" c"440XK0/70XK04227."4" 0"**¶que x't{dp|¶m}68**<70/390XK04224."5" = 3:0/4:0XK04224."6" = 320XK0/30XK04224."3" 0 **U Kyselky [50]**<420XK0/350XK04228."3" 0

Hybomitra arpadi *U|kn^af{."3;45+

Nkvt^atp|¶Áfc|g<J qtp|¶Rqndp "¶Lgflmqx^a3;96+0"
Jqncmvmkem "ftwj"ngup|jq"r^au o c"vcl|{."|p^ao " |g"ugxgtqx ejqfp|¶ej"qdcucv|¶Gxtqr{"*umcp/ fkp^axum²uv^av{"c"qf"Rgvtqj tcfum²qdcucv|¶cfl"rq"rqd gfl|¶Detgpvuqxc" o q g+."Cukg"*|^arcfpp|¶ c"x ejqfpp|Ukdk ."F^anp "x ejqf." ¶pc."Lcrqpumq+c" C o gtkm{"*pgctmvmkem^a uv+0"X"Gxtqr "rtq/ d|¶j^alkflp|j tcpkeg"tq| -¶ gp|¶v²o "uqwxkung"Dgnik|¶.P o gemg o." gumqw"tgrwrdnkmqw*-w o xum^a c"v gdq um^atc-gnkpk-v +."Rqnumg o."Nkvxqw" c"Oqumgxumqw"qdcucv|¶x"Twumw0"Nctx{ "ug"x{x|¶gl|¶" jncxp "x|cuv|¶p p ej"uncvpp ej" k"tc-gnkpp ej" o q^angej" c"x"nkvt^anw" o c n ej"ngup|¶ej"p^aftfl|¶ *¶Lgflgm"3; 99d+0"

Quarré PP [37]<80XK04223."3" 0"**Tc-gnkpk-v "Lk|gt{"PRT"}62d**<430XK04223."3" 0

Hybomitra auripila *Ogkigp."3:42+

Nkvtg^atp^lÀfclg^cJqtp^lRqndwp *Lgflmqx^a3;96+0

Gxtqrum^lngup^lftwj^lur^lg^lx{—ej^lrqnqj^l0^lX{um{vwlg^lug^lqf^lR{tggp^ll^lcf^lr^lq^lWmtclkp^l0^lPc^lugxgtw^l
Gxtqr{^llg^lfqmc^lf^lq^lx^lp^l|g^lUmcp^lfk^la^lxk^lc^lRqdc^lm^l*u^lx lk^lo^lmqw^lNkv^lx{+.^llkf^lp^ll^lj^ltc^lpk^leg^lctg^lan^lw^lxg^lf^lg^l
qf^lm^lrcp^lnum^lr^lgu^lCnr^ll^ll^lCrg^lpk^ll^lc^lugxgt^lp^lDcm^la^lp^l0^lEj^l{d^ll^lpc^lDtk^lvum^lej^lquvt^lqx^lge^lj^l.^lx^lJ^lqnc^lpf^l/
umw^l.^lF^la^lpumw^l.^lUt^ldumw^lc^lg^ltp^l2^lJ^lq^lg^l*Ej^lx^lan^lc^l4229+0^lNctx^l{ug^lx{x^ll^lgl^ll^lxg^lunc^lvk^lpp^lej^lo^lq^lan^lge^lj^l
c^lpc^ltc^lgn^lpk^lv^ll^lej^l0

Dgf^lkej^lqx^lxq^lfp^lp^la^lft^ll^l[2]_{<3:0XK04224.5} 0^lBílý Potok [3b]_{<50XK04227.3} 0^lJqtp^lNw^lcp^l[13]_{<390XK04225.3}
3^l 0^lJ^lted^lvieg^l[3b]_{<470X04222.3} 0^lJavorový vrch [18]_{<380XK04225.3} 0^lLgfn^lqx^lf^ln^lRT^l]3;_{<520X0/380XK04227.3}
3^l 0^lLk^lgv^ll^lrf^ll^lDwm^lqx^lw^l[20]_{<390XK04225.3} 0^lNw^lcp^l{pc^lf^lP^lluq^lw^l[29]_{<3:0XK04224.3} 0^lNw^lfx^lmq^lx^lrq^lf^lU^lo^lt^lmg^lo^l
[28]_{<420XK04224.3} =_{420XK04228.5} 0^lPoustecká obora [36]_{<440XK04228.3} 0^lQuarré PP [37]_{<80XK04223.3}
3^l 0^lTc^lgn^lpk^lv^lLk^ll^lgt^lm^l{PRT^l]5;_{<360XK04223.3} 0^lTc^lgn^lpk^lv^lLk^ll^lgt^l{PRT^l]62c.d_{<430XK04223.6} =_{70/390XK04224.3} 0^lT^l{d^ll^lnq^lw^lm^lRT^l]64._{<320/480XK04225.4} =_{480XK0/0XK04225.3} =_{0/450XK04225.3} 0^lU^lo^ltm^l
[43a,b,d,e]_{<420XK04228.48} =_{430XK0/350XK04228.3} 0^lVie^lj^la^ll^lmc^lRR^l]6:_{<450X04224.3} =_{380X04225.3} .
3^l *^ll^lde^lj^lpc^lx^l{mq^lrc^lp^l2^lnctx^l{70X0.}l^lcm^lw^lmg^lp^l:0X0.g^lmn^lq^lg^l380X0.g^lz^lw^lx^lkg^lnct^lgx^lc^lm^lw^lmg^ln+0^lU^lKyselky [50]_{<420XK04228.5}
5^l =_{420XK0/350XK04228.3} 0

Hybomitra bimaculata *Oceswctv."3:48+

V²o^l x^legn^l2^lren^lgct^lmv^lkem^l2^lq^ldc^luv^lk^lq^lf^lDtk^lvum^lej^lquvt^lqx^lrq^lx^lej^lq^lfp^lU^lkd^lk^l.^lMc^lo^lc^lvm^lw^l.^lL^lcr^lq^lp^l/
um^lq^l.^lv^lcm^l2^lO^lq^lp^li^lq^lnum^lq^lc^ll^lpw^l.^lc^lng^ll^lpg^lx^l{um{vwlg^lug^lx^luv^lgf^lqc^luk^llum^lej^lt^lgr^lw^ldn^lkm^la^lej^l0^lX^lG^lxt^lqr^l
x^lug^lx^lgt^lp^ll^lej^lk^ll^lkf^lp^ll^lej^lq^ldc^luv^lge^lj^l.^lf^lq^lmc^lf^ll^lq^lx^lum{vw^lej^l{d^ll^lI^lx^lR^lqt^lvw^li^lc^lnum^lw^l.^lK^ltum^l2^lt^lgr^lw^ldn^lke^lg^l.
l^lkf^lp^ll^lo^lD^lcn^la^lpw^l.^lD^ln^lqt^lwum^lw^l.^lO^lq^ln^lf^la^lx^lk^lc^lx^lr^la^lu^lo^lw^lq^lf^lD^let^lgp^lvu^lq^lx^lc^lo^lq^lg^lrq^lf^l2^ln^lW^ltc^lnw^l*x^lej^lq^lfp^l
a^luv^lg^lxt^lqr^lum^l2^lj^lq^lT^lwum^lc+0^lNctx^l{ug^lx{x^ll^lgl^ll^lxg^ld^lg^ll^lej^lt^l{d^ll^lpf^lm^l.^ll^lg^ll^lgt^l.^lw^lo^ln^lej^lx^lq^lfp^ll^lej^lp^la^lft^ll^l
c^lrq^lo^lcn^lw^lvg^lmq^lw^lej^lmc^lp^la^ln^l.^lft^lgp^la^lfl^ll^lcr^lq^lf^l0.^lpc^lng^lup^ll^lej^lo^lq^lan^lge^lj^lc^lx^ln^ljm^lej^ln^lq^lw^lm^la^lej^l*Ej^lx^lan^lc^l
(^lLg^lfl^lgm^l3;8;+0

Dgf^lkej^lqx^lxq^lfp^lp^la^lft^ll^l[4]_{<3:0XK04224.4} 0^lBukovec PR [4]_{<350XK04223.3} 0^lg^ltp^la^ll^lg^ll^lft^lmc^lRT^l]7._{<60XK04224.3} 0^lg^ltp^lq^lw^l{X^lR^lq^lnk^l[6]_{<360X0/360XK04229.7} 0^lFerdinandov [8]_{<3:0XK04224.3} 0^lHolubník [11]_{<450XK04225.3} 0^lHorní Pertoltice [14]_{<30XK04227.3} 0^lKunratice [23]_{<440XK04228.3} 0^lNw^lfx^lmq^lx^lrq^lf^lU^lo^lt^l/
kem [28]_{<420XK04228.5} 0^lOg^lcp^lft^l{U^lo^lf^l2^lRT^l]52._{<3:0/530X04227.3} =_{0XK04228.3} =_{360X0/360XK04229.3}
0^lTc^lgn^lpk^lv^lLk^ll^lgt^lm^l{PRT^l]5;_{<70/4:0XK04227.3} 0^lTc^lgn^lpk^lv^lLk^ll^lgt^l{PRT^l]62d._{<40XK04223.3} =_{0/450XK04225.3}
0^lT^l{d^ll^lnq^lw^lm^lRT^l]64._{<4:0X0/320XK04225.3} =_{320/480XK04225.5} =_{480XK0/0XK04225.3} =_{0/450XK04225.5}
0^lU^lo^ltm^l[63g]_{<420XK04228.4} 0^lm^lq^lne^lx^lt^l{d^ll^lpf^lm^l]68._{<390X0/70XK04224.3} =_{3:0XK04224.3} =
4:0XK0/320XK04224.3 0^lX^la^lrg^lpp^lx^lte^lj^lRT^l]73._{<370XK04223.3} 0

Hybomitra ciureai *U²i w^l."3:59+

Gxtqrumq/ukdk^lum^lngu^lquv^lgr^lp^ll^lftwj^l.^lmv^lgt^lug^lx{um{vwlg^lpc^lx^lv^lkp^lÀ^lg^lo^ll^lG^lxt^lqr^ll^lx^l|^la^lrc^lfp^ll^l
c^lx^lej^lq^lfp^lU^lkd^lk^l.^lpc^lM^lex^lmc^lg^lc^lx^l\^lcm^lx^lmc^lumw^l.^lx^lMc^l|^lce^lj^luv^la^lpw^l.^lV^lwt^lgemw^l.^lt^la^lpw^l.^ll^lpw^lo^lQ^lq^lp^l/
i^lq^lnum^lw^lX^lG^lxt^lqr^ll^ll^lce^ll^lo^lej^l{d^ll^lI^lÀ^lf^lcl^lg^l|^lR^lqt^lvw^li^lc^lnum^l.^lK^ltum^l2^lt^lgr^lw^ldn^lkm^ll^l.^lP^lqt^lumc^l.^lUn^lq^lx^lpk^lumc^l.
N^lqv^l{-umc^l.^lW^lmt^lcl^lkp^l.^lO^lq^ln^lf^la^lx^lkg^lc^l-kt^l-^lq^ldc^luv^lk^ll^lkf^lp^ll^lj^lq^lW^ltc^lnw^l0^lNctx^l{ug^lx{x^ll^lgl^ll^lx^lnk^lvt^la^ln^lw^lj^lnc^lx^lp^l
ng^lup^ll^lej^lx^lq^lfp^ll^lej^lp^la^lft^ll^ll^l.^lx^ldc^lj^lpk^lv^lej^log^lcp^lft^lge^lj^lgm^lc^lv^lcm^l2^lpc^lo^lq^lan^lq^lkv^lej^ln^lq^lw^lm^la^lej^l*Ej^lx^lan^lc^l
(^lLg^lfl^lgm^l3;8;+0

Og^lcp^lft^l{U^lo^lf^l2^lRT^l]52._{<3:0XK04224.3} 0

Hybomitra distinguenda *Xgttcn."3:2;+

Rengctmvkem^lngup^ll^lftwj^l0^lX^lum{v^lv^l2^lo^lrq^legn^l2^lG^lxt^lqr^lc^lC^lukk^lx^lg^lyp^lF^la^lnp^l2^lj^lq^lx^lej^lq^lfw^l.^lL^lcr^lq^lp^l/
umc^l.^ll^lpw^l{c^lO^lq^lp^li^lq^lnum^lc^l*ej^ld^ll^lxg^luv^lgf^lqc^luk^llum^lej^lt^lgr^lw^ldn^lkm^la^lej^ld^lx^lcn^l2^lj^lq^lUU^lU^lT^l+0^lP^lgl^ll^lkf^lp^ll^ll^l
f^lq^lmc^lf^lq^lx^lcp^lgz^lg^lo^lrn^la^lud^ll^ltcp^lG^lem^lgt^lng^lkp^lg^lo^lrq^lej^la^ll^lq^l|^lO^lct^lq^lmc^l*Lg^lfl^lgm^l3; ;7+0^lX^lt^la^lo^lek^lG^lxt^lqr^ll^l
ftwj^lpg^lp^ll^lf^lq^lmc^lf^lq^lx^lp^l|^lR^lqt^lvw^li^lc^lnum^l.^lK^ltum^l2^lt^lgr^lw^ldn^lkm^ll^l.^lN^lqv^l{-umc^l.^lD^ln^lqt^lwum^lc^l.^lO^lq^ln^lf^la^lx^lkg^l.^ll^lkf^lp^ll^lj^lq^l

Dcnm^apw^cx^a-ktqm²o^r r^auw^{qf} Dctg^pvuqxc^c o^q g^cfi^rq^q Mcurkm⁰ Nctx{^cug^x{x^flg^lg^l xⁿkvqt^anwⁿ ngup^eej^t{dp^fm^clg^lgt^g.xg^uuncvkpp^e ej^oq^angej^cpc^{tc}-gnkpk-v^eej^xp^fflkp^aej^krcjqtmcvkp^aejⁿ *Ej^xa^{nc}" ("Lgflgm³;8;+0

Arnoltice [1] <4:0XK04225.5' 0 **Bílý Potok** [3d] <430XK04228.5" 0 **gtpqwu{/X/Rqnk}** [8] <360X0/360XK04229.4" = 360XK0/30XKK04229.5" 0 **Ferdinandov** [8] <3:0XK04224.8" 0 **Holubník** [11] <450XK04225.5" 0 **Horní Nw cp** [135] <390XK04225.8" 0 **Horní Pertoltice** [14] <360XK0/30XKK04229.4" 0 **Javorový vrch** [18] <380XK04225.5" 0 **Lk gv^fp^rq^fDwmq^xw**]42. <390XK04225.7" 0 **Kunratice** [23] <440XK04228.32" 0 **N^alpⁿ"Nkdxgt^fc**]46. <420XK04224.6" 0 **Nw cp**{^cpc^f"Pkuw^w[29]} <3:0XK04224.3" 0 **Nwfx^fm^qx^rq^fU o tmg o**]4: <420XK04224.34" = 420XK04228.4" 0 **Poustecká obora** [36] <440XK04228.33" 0 **Quarré PP** [37] <80XKK04223.4" = 4:0XK04225.3" 0 **Tc-gnkpk-v** "Lk|gt{^c"PRT"}62d <430XK04223.3" = 40XKK04223.3" = 390/4:0XK04224.3" = 480XK0/;0XKK04225.4" 0 **T{d^fn^qw m**{^c"RT"}62] <4:450XKK04225.3" 0 **U o tm**"[63a,b,e,d,g] <460XK04225.3" = 420XK04228.53" = 430XK0/350XKK04228.3" 0 **kp^fgnq^x f n**]67. <4:0XK04225.3" 0 **mqe x^t{dp^fm**]68. <390X0/70XK04224.4" = 70/390XK04224.3" = 3:0XK04224.9" = 3:0/4:0XK04224.3" = 4:0XK0/320XKK04224.4" = 320XKK0/30XKK04224.6" 0 **rk^am**]69. <4:0XK04227.34" 0 **U Kyselky** [50] <420XK04224.3" = 40/420XK04228.3" = 420XK04228.6" = 420XK0/350XKK04228.6" 0 **X^argppⁿ"xtej^rT**]73. <3:0XKK04223.3" 0

Hybomitra kaurii Ej^xa^{nc}gvⁿ{pgdqti.3;92

Gwtqukd^um "ftwj^u.mvg^t "lg^ltq|^l-|gp^r gu^x v-kpw^{uv}^av "r k^Ugxgt^po^c"Dcnvum²o^oq^kc^ddtg^anp^f gmqtgⁱkq^p*Umcp^fkp^axg⁺0\g^{uv} g^fp^f Gxtqr {^{*} gum^a"tgrwdnkmc^oV g^dq^um^ra^{pg}x."Unqxpum^q ó^l|^arcf^p Mctrcv⁺{^rqmtc wlg^cctg^an^x um{vw^r gu^l|^arcf^p Ukdk "c^Dclmcm²"lg^lgt^qpc^{Mc}o/ cvmw⁰Pglk^flp^l-|^fj^tcpk^{eg}xg^fg^Cnrcok."Cnvc^lg^o.ugxgt^p ^fpqw^cOq^pi qumg^oo^Ftwj^upgd{ⁿ |cv^fo^ud^ft^ap^{pc}R{^tgpglum²o^rrqnqquvtq^x .Dtkvum^e ej^quvtq^xgej^xPk|q|g^oumw."Oc^{ct}umw."x^ugxgt^q/lk^fp^ortwj^wq^fRqdcnvm^e ej^tgrwdnk^m.r gu^D nqtwum^q.Wmtcl^{kp}^cj^{nc}xp^f Mctrcvumⁿ qdnqwm^rq^v2^o "egnⁿ "Dcnm^ap^o"o^fq^mnc^f{^cgzkuvw^lrqw|g|g^Unqxpumc^cEj^qtxcvumc^{*}Ej^xa^{nc} 4229+0}Nctx{^cug^x{x^flg^lg^lrtcx^f r^qf^qdp^rpc^uncvkpk-v^eej^xu^vp^ok."c^vq^xp^fflkp^aejⁿ rcjqtmcvkp^aej^kjt^aejⁿngup^fq^dncv⁺."dkpp^okg^{pgd}{nc^l|cv^fo^rq^ftqdp^r "uvw^fq^xa^{pc}0

Tc-gnkpk-v "Lk|gtm{^c"PRT"}5; <360XK04223.3" = 380XK0/50XKK04227.3" = 450XK04227.3" 0 **T{d^fn^qw m**{^c"RT"}64. <320/480XK04225.8" 0 **kp^fgnq^x f n**]67. <4:0XK04225.3" 0

Hybomitra lundbecki N{pgdqti.3;7;

Gwtqukd^um "ftwj^utq|^l-|gp^r v²o^x"egn²Gxtqr "u^x lkomq^wDtkvum^e ej^quvtq^x .^mrcp^{num}c^cRqt^wicnumc^x v-kp{^cdcnm^apum^e ej^{uv}^av^{*}x^um{^v|c|pc^ogp^ap^rq^w|g^xCnd^apk^k."Unqxpumw^cEj^qtxcvumw⁺.Oqⁿf^axg^g.Dⁿqtwumc."Nq^v{-umc."Guvqumc^cr^qf^j ^fWtcnw⁰Pguq^wxkunⁿctg^an^x um{vw^rqmtc wlg^r gu^Ukd^kcf^lpc^{Mc}o^{cvm}w^cF^anp^x ej^qf⁰Ugxgt^p j^tcpk^{eg}lg^lnk^okvq^xa^{pc} Ncrq^pumg^o.lk^fp^o j^tcpk^{eg}Crg^lpk^ok."Cnd^apk^f.Mctrcvum^o qdnqwmg^or gu^Dclm^{cn}f^q ^fp{^c Oq^pi qumc⁰X^Gxtqr^e ej^z{d^l ^lvcm²fq^mnc^f{^lx^e j^qf^p ^auvk^Twumc^q"Dctg^pvuqxc^co^qg^rq^q Mcurkm⁰ Nctx{^cug^x{x^flg^lg^lxⁿkvqt^anwⁿ ngup^eej^t{dp^fm^clg^lgt^g. "lg^lgt^g c^woⁿ ej^xq^fp^eejⁿ p^aft^lg^l."x^oq^mcf^{ge}j^clg^lkej^qm^qn⁰o^x g^vp^r j^qtum^e ejⁿq^mcnk^v*Ej^xa^{nc}" ("Lgflgm³;8;+0

Jqtp^r"Nw cp{^c"[33] <390XK04225.3" 0 **Mq gpqx**[22] <3:0XK04228.3" 0 **Kunratice** [23] <440XK04228.3" 0 **Malá Uvtepc**"RT"]4; <320/480XK04225.3" 0 **Ogepft**{^cU o f²"RT"}52. <3:0/530X04227.3" 0 **Mníšek** [32] <460XK04225.3" 0 **U Kyselky** [50] <40/420XK04228.3" 0

Hybomitra micans *Ogkigp.3:26+

Gxtqr^um "ftwj^uctg^ang^ox^u m{vw^qf^rR{^tgpglum²j^qr^qnqquvtq^xc^r gu^Dtkvum²quvtq^x{^cu^v^av{^r k^Ugxgt^po^oq^k.r gu^{uv} g^fp^f Gxtqr^wc^ugxgt^p Crg^lpk^o{^rq^ugxgt^p Dcnm^ap^lo^lcv^fo^{pg}p^ffq^mnc^lf^qx^ap^xRqt^wicnumw."Ktum²"tgrwdnk^{eg}.Oc^{ct}umw."Dq^up^c"J^gtegⁱq^xpk^r."Cnd^apk^k."Ocm^gf^qpk^k."Dwj^{ct}umw."genw^u.xg^uUmcp^fkp^axkk^cgxtqr^{um}² ^auvk^Twumc^{*}Ej^xa^{nc}4229+0}J^{nc}xp^fejⁿngup^eejⁿdk^qv^rgejⁿ*uncvkpp^e ej^ktc-gnkpp^eej⁺q^fp^fflkp^rq^ljt^l.mf^gnctx{^cpcn²|cl^fx^jq^fp²r^tquv^gf^frt^qux^lx^ql⁰

Dgf lejxq^xqf^pp^a f tfl [2]<3:0XK04224."3" 0 Bily Potok [3b]<50XK04227."4" = 50/380XK04227."6" 0 Bukovec PR [4]<530XK04225."3" = 3:0XK04227."4" 0 gum^mw o dwtmⁿ9<520XK04227."3" 0 Frydlant [10]<440XK04228."5" 0 Horni Polubny [15]<3:0XK04228."5" 0 Nwfx^mmq^xrqf^Uo tmg o^{J4}:<420XK04228."3" 0 Mnisek [32]<460XK04225."3" 0 Raspenava [38a]<330XK04228."3" 0 Tc-gnkp^v "Lk|gt{"PRT"}j6c.d.<430XK04223."3" = 60XK04224."5" = 70/390XK04224."6" = 320/480XK04225."3" 0 U o tmⁿ765c.d.e.f.g.<40/420XK04228."4" = 420XK04228."3:" 0^mqne^x rybnik [46]<520XK0390XK04224."3" = 390XK070XK04224. 95 .3 =70/390XK04224."3" 0 U Kyselky [50]: 330XK0/40XK04228."3" = 40/420XK04228."34" .3 = 420XK04228."6" = 420XK0/350XK04228."3" .3" 0

Hybomitra montana *Ogki gp."3:42+

Rengctmvkem "ngupⁿ" ftwj "tq|-ⁿ gp "qf" Dtkvum ejⁿ quvtqx "c" R{ tgpplum² j^q rqnqquvtqxc^r guⁿ egnq^w Gxtqrw^{*pc}ugxgtw^Umc^pfkp^axkg^c"Nkvxc."pcⁿlkjw^Crgp^kp{ 'c'Dcnm^ap+.x"Cuk^kr gu^Ukd^k "cfl" rq^Mco^{cvmw}"c^Lcrq^pum⁰Lkflpⁿ j^tcp^keg^xgfg^r gu^Oq^pi^qnum^q." ⁿp^wc^Mc|ejuv^ap⁰Pc^x ej^qf " Gxtqr { "lg^x um {v^tgikvutq^ap^xk|qnqxc^p2^o r^auw^qf^Hk^pum² j^q |^ankxw^rq^Mcur^{km}."cng^qf^d gj " Dctgp^uqxc^o q g^rrf²ⁿWtcnw^{ej} { d⁰X um {v^tpgd {n^tqxp flⁿ |c|pc o gp^ap^xGuv^qpumw."Nqv { -umw." D nqtumw." Wmtclp[.] "Oqⁿf^axkk." Oc^tumw." Dq^up "c" Jgtegi^xq^xp[.] "Cnd^ap^k." Ocmg^fq^ppk[.] "Dwnj^ctumw." gemw^{"c}pc[|] a^rcf "vcm²x^Rq^twi^cnumw^{*Ej}x^anc⁴²²⁹⁺⁰R gpc-g "cpvj^tczw⁰Nctx^U "ug^x{xⁿlg^l"x^dcj^p r^kd^g|^ejⁿ | gm."pc^{tc}-gnkp^v|^ejⁿ k^xnw^p|^ejⁿ"" o^q ^anej^uquv^{keg} o^k*Uq/dqng^xc^{gv}cn⁰3;96+0

Bily Potok [3d]<430XK04228."3" 0 Holubnik [11]<450XK04225."3" 0 Quarré PP [37]<80XK04223."3" 0 Tc-gnkp^v " Jizery NPR [40a,b]: 70/390XK04224."3" = 390/4:0XK04224."3" = 320/480XK04225."3" = 480XK0/;0XK04225."4" = ;0/450XK04225."3" 0 T{dⁿqwm^m"RT"}j64<4:0XK0/320XK04225."5" = 320/480XK04225."8" = 480XK0/;0XK04225."3" = ;0/450XK04225."3" 0

Hybomitra muehlfeldi *Dtcwgt."3: :2+

Rengctmvkem "ftwj" tgi^kvtq^xcp "pg" Arⁿp "uqwxkung^qf" Dtkvum ejⁿ quvtqx "cfl" rq^Dgtk^pi^qxw^Afl^kpw^{pc}ugxgtw^Gxtqr { "qfⁿcrq^pumc^rq^{uv}v^r k^Uv^gf^q|g^op^o "o^q k.^vcm²Mcx^mc|^cCnvc^{l0} P^arc^fp^k |qnqxc^p r^au^x um {vw^xg^x ej^qf^p" Gxtqr "urqlw^lg^Hk^pum[|] ^ankx^c"Mcur^{km}=" dg|^x um {vw^lg^Pq^tum^q."Hk^pum^c"-ktqm^r twj^r rf²ⁿWtcnw^{pc}ugxgtw^rq^d gj { "Dctgp^uqxc^o q g⁰ Ej { d⁰vcm²x^r r^auw^Guv^qpum^q."Nqv { -umq."D nqtumw." Wmtclp^{pc}"Oqⁿf^axkg.^uvglp^lcm^qpc^R{tg/ pglum² o^r rqnqquvtqx[.] xg^Htcpekk^Unq^xk^pumw."Dwnj^ctumw." Ocmg^fq^ppk[.] "Cnd^ap^k"c^{gemw}0^X um {v^x p^{fl}k^p e^j c^rej^qtm^cvp^a e^j 0ⁿctx { "ug^x{xⁿlg^l"x^t {dpk^{pcv} ej^qnd^cuv^{gej}pc^xn^jm^{ej} "dk^qv^rg^{ej} " *Ej^x^anc^{("Lgflgm}3;8;+0

Minkovice [31]<440XK04228."3" 0 Poustecká obora [36]<440XK04228."4" 0 U Kyselky [50]<420XK04228."3" 0

Hybomitra tropica *Nkppcgwu."397:+

Gxtqr^{um} "ftwj."lg^jq^lctg^an^x um {vw^rq^mt^x a^mrc^p num^q.uv^av { "r^kU^gx^gt^po^o q^k."Um^cp^fk^p^axk^k." uv^gf^qg^xt^qr^{um}2^{uv}^av { "c|^dcnm^ap^{um} ej^{uv}^av "rqw^{|g}"Uⁿq^xk^pum^q."Ej^qt^xc^{um}q."Utdum^q"c^gtp^qw^Jqt^w0^{Ej} {d⁰xg^mx^{ectumw}."Oc^tumw."Rq^{numw}."pc^Crg^pk^p^ae^j"c^Dtkvum^{ej} quvtqx^{gej}0^Fq^mc/ f { "x^{ej}q^fp^ej^auv^krcngctmvw^{luq}w^{pgl}k^{uv}2^{*|} a^o pc^x o^kp^wn^{quv}k^u ftwj^g o^H."fulvicornis^cw^ev⁰0^{Nctx} { "ug^x{xⁿlg^l"xⁿkv^qt^an^wpg^lt |p^l-^ej^xq^fp^ej^p a^ft^{fl}" k^vqm[.] "x^{ngup}|^ej^dc^{fl}k^p^ae^j c^{pc}tc^{-gnkp}^v|^ej^{*Ej}x^anc^{("Lgflgm}3;8;+0

Ogcpft^Uo f²RTⁿ752<3;0/530XK04227."4" 0 Minkovice [31]<440XK04228."3" 0 Tc-gnkp^v "Lk|gtm{"PRT"}j5;<380XK0/50XK04227."3" 0

Tabanus autumnalis Nkppcgwu."3983

Nkvt^atpⁿÀ^fclg<Vcp^xcnf."P^axctq^x*Xk^og^t3;35+0

Rengctmvkem "ftwj"tq|-ⁿ gp^v2^o "x^{egn}2^Gxtqr^x g^vp^dqtg^an^pl^jq^{gm}qt^gik^qp^w."r^{gu}|^arc^fp^{fl}" c^x ej^qf^pU^kdk^{*mt}q^o 'p^{gl}ug^xg^tp^l-^ej^qd^{nc}uv^{fl}+^cfl^rq^{Ej}cdct^qx^{um}0^{Lk}fl^p"r^au^xg^fg^r gu^{uv}^av { "

ugxgtpf|Chtkm{"c"quvtqx{"xg"Uv gfq|gop|o"o q k."Vwtgemq."Mxmc|.uv gfcqclum2"tgrwdnk{"Kt^m."~t^p."Chij^pkuv^p." f|pw" c" Oqpiqumq0—fclg|cv|o"ej{d| |Ktum2"tgrwdnk{"Hkpumc" c"x ejqfp|ej" gxtqrum ej" qdncuvf| r k" rqd gfi|Dctgpvuqxc" oq g." r qf j |"ugxgtp|j q" Wtcnw." Nqv{-umc."D nqtwumc" c" Oqnf^xkg0" \cn2v^a" k" r q o tp "x{uqm"fq"jq|Nctx{"n|g"pcn2|v"jncxp " x"dcjpkv2 o"nkvt^anw"t{dp|fm .lg|gt^c"tq|ngjn ej"wo n ej"xqfp|ej"p^a ftf|f."x xql"ug"o flg"rtq/v^a jpqwv" k"pc"4"tqm{"*Lgflgm"3;99e+0

Jqtpf|Nw cp{|J35_<390XK04225."3" 0

Tabanus bovinus Nkppcgwu."397:

Nkvt^tpf|fclg<Rgmq*"Lgflmqx^a"3;96+0

Gwtqukd um "ftwj"u"tq|_f|gp|o"v2 o "r gu"egnqw"Gxtqrw" x gvp "umcpfkp^axum ej"uv^v ."ctg^an" x um{vw"rqmt x^a" |^a rcfp|c"x ejqfp|Ukd "cfl"rq\Cncl0"Lkfp|nkpkg"rtqej^a|f|Vwtgemg o."Mxmc| |go."Mc|cejuv^apg o" c"Uv gfp|Cukf.|c|pc o gp^p|lg"x um{v" k"xg"uv^v"gej"ugxgtpf|Chtkm{0^X"Gxtqr " ej{d|f"x Rqtwi cnumw."Ktum2"tgrwdnkeg."Nqv{-umw."D nqtwumw" c" Oqnf^xkk0" Nctx{"ug"x{xum{vw|f" qdx{mng"x"nkvt^anw"|cuv|p p ej"xqfp|ej"p^a ftf|f."cng"mwmngp|rtqd|j^a"x"uwduv^v"gej" cuvq"fcngmq" qf"xqf{0^X xql"nctg"x"fq"gmq|g"ko^a ic"ug"o flg"rtqv^a jpqwv" cfl"pc"5"tqm{"*Cpftgxc"3; ;2+0

U Kyselky [50]<420XK04228."3" 0

Tabanus bromius Nkppcgwu."397:

Gxtqrumq/|^a rcfqukd um "nguquvgrp|ftwj0" Tq|_f|gp|qf"Ncrqumc"rq"uv^v f"ugxgtpf|Chtkm{"c"qf" R{tgpplum2"j q" rqnqquvtqxc" c" Dtkvum ej"quvtqx "rq"ukdk umqw" gmw"Qd."Mc|cejuv^p" c"Uv gfp| Cukk="ugxgtpf|Chtkmc."R gfp|Cukg."~t^p*"Lgflgm"3; :2c+"c"Chij^pkuv^p0"Ej{d|f|lgf|p "x"D nqtwumw0" Pcf o q um^a "x -mc"pgjtelg"xg"x um{vw"tqnk0"R gpc-g "vwnct^o kg."cpvjtczw" c"vt{rcpquq o>>|0" Nctx{"ug"o qj qw"x{x|lg|x"nkvt^anw"xqfp|ej"p^a ftf|f."xg"d g|f|ej"rqvqm "c" f| gm."cng"vcn2"x"uwej^2" |g o k"fcngmq"qf"xqf{"o"pc"nqwm^e j" c" r cuvxp^a e j" *Lgflgm"3;99e+0

Bílý Potok [3a,c]<340XKK04223."3" .3" 0 gtpquw{/X"Rqnk"}J8_<360X0/360XK04229."3" = 360XK0/30XKK04229."3" 0
Ferdinandov [8]<3: 0XK04224."4" 0 Horní Pertoltice [14]<360XK0/30XKK04229."3" 0 Kunratice [23]<440XK04228."3" 0 N^a|p "Nkdxgt f|c"J46_<420XK04224."6" 0 Nwf^xmqx"rqf"U o tmg o"J4: <420XK04224."7" = 420XK04228."6" 0
Minkovce [31]<440XK04228."3" 0 Pousteká obora [36]<440XK04228."5" 0 Mqne x"t{dp|fm}J68_<340XKK04223."3" = 390X0/70XK04224."3" = 70XK0/30XKK04224."5" = 3: 0XK04224."6" = 3: 0/4: 0XK04224."45" =^4: 0XK0/320XKK04224."46" = 320XKK0/30XKK04224."59" = 30/360XKK04224."6" =^4: 0XK0422: ."3" 0 M^rk "am"}J69_<4: 0XK04227."4" 0
U Kyselky [50]<420XK0/350XKK04228."3" 0

Tabanus cordiger Ogi gp."3:42

Gxtqrum "ftwj"u"x um{vg o"v2 o "rq"egn2"Gxtqr "x gvp "Dtkvum ej"quvtqx "c"umcpfkp^axum ej" uv^v ."|Rqdcn|c|pc o gp^p"rqw| |Nkvx{"f^ang"rcm"x"rtwjw"qf"Hkpum2"j q"|^anxw" cfl"rq"lklfp| Wtcn="lklfp|nkpkg"ug"v^a jpg"qf"Mc p^atum ej"quvtqx "r gu"ugxgtpf|Chtkmw."Ocnqw" Cukk."Mxmc| "cfl"rq"t^p0"Ej{d|f"x Ktum2"tgrwdnkeg."Ncrqumw."Mct^nk."À|g o|r k"Dctgpvuqx "o q k."D nqtwumw" c"Oqnf^xkk0" TgqLnp|"nctx{"luqw"|lkuvkvgnp2"pglpg"xg"urngvk"x|rn xc x ej"tquvnp" f| gm."cng" k"rqf" mc o gp{"xg"fp "d{uv kp."|g o2"pc"u"r"fu kv ok'd gj{0^X xql"ug"o flg"rtqv^a jpqwv"|c"pgr f|pkx ej" r q f o|pgm" cfl"pc"4"tqm{"*Cpftgxc"3; ;2+0

Ogcpft{"U o f^2"RT"}J52_<0XK04228."3" 0

Tabanus maculicornis \gvgtuvfv."3:64

Gxtqrumq/|^a rcfqukd um "ftwj0" X um{v^2 o "x"egn2"Gxtqr "x gvp "dqtg^anp|j q"gmtgikqpw" c"|^a rcfp|Ukd g="vcn2" Mxmc|."Mc|cejuv^p" c" Dclmcn0" \g"ugxgtpf|Chtkm{"pgp|f qmncf qx^a p0"

Ej {d}f"xRqtvi cnumw."Ktum²tgrwdnkeg."Rqdcnfl."D nqtwumw."Oqnf^axkk."Ocmgfqpkk." gemw^cvcm²" x"qdcnucvk"mqng o"lkflp|jq"Wtcnw⁰Nctx{"ug"x{x|lgl|}pc"rqfqdp ej"dkqvgrgej"lcmq" w"70"*bromius* *Lgflgm"3; 99e+0

Arnoltice [1]< 4:0XK04225."3 0 **Dgf kejqx"xqfp|p^aftfl**]4_<3:0XK04224."8 0 **Bílý Potok** [3b,d]<50XK04227."6" = 380XK0/70XK04227."4 = 430XK04228.";" 0 **gtpqwu{/X"Rqnk"}8]**<360X0/360XK04229."3 0 **Ferdinandov** [8]<3:0XK04224."3: 0 **Hqlvgem "o qm cf"RR**];_<3:0XK04223."3 0 **Holubník** [11]<450XK04225."3 0 **J qtpf** "gtp"^a **Uwffpkeg**]34.<450XK04228."5 0" **J qtpf**"Nw cp{"J35_<390XK04225."6 0 **Horní Polubný** [15]<3:0XK04228.";" 0 **Jablonec nad Nisou** [17]<90XK04223."3 0 **Javorový vrch** [18]<380XK04225."5" 0 **Lgfinqx "f n"RT**]3;<520X0/380XK04227."3 0 **Lk gv|p"rqf"Dwmqxqw**]42_<390XK04225.";" 0 **Mq gpqx**]44_<3:0XK04228."4 0 **Kunratice** [23]<440XK04228."5" 0" **N^a|p "Nkdxgtfc**]46_<420XK04224."33 0" **Nw cp{"pcf"Pkuq**]49_<3:0XK04224."3 0 **Ludvíkov** **rqf"U o tmgo**]4;<420XK04224.";" = 420XK04228."35" 0 **Ocn^a"Uvtcpe"RT**]4;<390XK0/70XK04224."3" = 320/480XK04225."3 0" **Ogcpft**"U o f²"RT"]52_<3:0XK04224."5" = ;0XK04228."4 0 **Minkovice** [31]<440XK04228."4 0 **Pqx²"O wq"rqf"U o tmgo**]55_<420XK04224.";" 0 **Plavy** [35]<450XK04228."4 0 **Poustecká obora** [36]<440XK04228."6 0" **Quarré PP** [37]<80XK04223."33 0 **Raspenava** [38a]<330XK04228."3" 0 **Tc-gnkp-v "Lk|gt{"PRT"}60a**<390/4:0XK04224."8" 0" **U o tm**]65c.d.e.f.g 0460XK04225."4" = 420XK04228."64" = 40/430XK04228."4" = 430XK0/350XK04228."7" 0 **Ux w^a"j66_<3:0XK04224."3 0" **kpfgnqx "f n"**]67_<4:0XK04225."3 0" **mqe x"t{dp**]68_<390X0/70XK04224."9" = 70/390XK04224."8" .3" = 3:0XK04224."44 = 3:0/4:0XK04224."8" = 4:0XK0/320XK04224."3" = 4:0XK0422:."3" 0" **m**]69_<4:0XK04227."4" 0 **Tišina** [49]<420XK04224."3 0 **U Kyselky** [50]<420XK04224."4" = 40/420XK04228."39" = 420XK04228."5" = 420XK0/350XK04228."38 0 **Zlatá Olešnice** [52]<390XK04224."3" 0**

Tabanus sudeticus \ngngt."3:64

X um{"x"v² o "egn²Gxtqr "x gvp "dqtg^anp|jq"gmqtgikqpw."x ejqfp "|cucjwlg"ctg^an"tq|-|gp|"} cfl"fq|"^arcfp|"Ukdk g⁰"Pc"lkjw"ugxgtp|"Chtkmc."Ocn^a"Cukg^c"Mcxmc|0"Ej {d}f"x"Mct²nkk^c"À|g o"}r k" r qd gfl|"Dctgpvuqxc"o q g."x"Rqdcnfl"^au"x lk o mqw"Nkvx {+."D nqtwumw."Oqnf^axkk."Cnd^apk^c"Ocmgfq/pkk⁰"Ur|-g"ngup|c"jqtum "ftwj⁰Nctx{"ug"x{um{vw|}x"o q^angej"r k'd g|e|j"ngup|e|j"xqfp|e|j"p^aftfl|." r k"pgr |{|pkx ej"rqf o|pm^aej"ug"x xq|o flg"rtqv^ajpqww"cf|pc"5"tqm{"*Cpftgxc"3; ;2+0

Tc-gnkp-v "Lk|gtm{"PRT"}5;_<60XK04226."3" 0

Heptatoma pellucens *Hcdtkekw."3998+

Nkvtg^atp|"Àfc|g<J qtp|"Rqwdp "Lgflmq^a"3; 96+0

Gxtqrumq/|^arcfqkdk um "ftwj⁰"X" Gxtqr "cfl"rq"88Augxgtp|"-|m{"x ejqfp "rtqpk^a"r gu" Ukdk "cf|pc"Cnvc|^auur⁰"orientalis+0" Fqmcfc {"ej {d}f|"R {tgpplum²jq"rqnqquvtqxc."Dtkvum ej"quv/tqx ."Crgpkp."pgllkflp l-|"jq"Dcnm^apw"^av⁰"Dqup{"c"J gtegiqxkp{"*Utumc." gtp²"Jqt."Cnd^apkg." Ocmgfqpkg^c" gemc+."Rqdcnfl"^au"x lk o mqw"Nkvx {+."D nqtwumc^c"Oqnf^axkg⁰"Dⁿ o" o"flug o"lg^a vcm²"-ktqm "r^au"qf"Dctgpvuqxc"o q g"rqf²n"Wtcnw"rq"Meurkm⁰Nctx{"*u"ftu^anp|ok^cncvgt^anp|ok^a p^arcfp ok^voex "jp f ok^aqtpcogpv{"xgnok"jwuv ej"ftqwdqw m ej"vtp +^aug"x{x|lgl|x"nkvt^anw" ngup|e|j"t{dp| m "c"xqfp|e|j"p^aftfl|nguqrctm ."cng"pg"yg"x{xuqm ej"jqt^aej"^aLgflgm"3; 93+0

gtpqwu{/X"Rqnk"}8_<470XK0/390XK04229."3 0" **Nkdtge/Tqejnkeg]47_<3:0XK04223."3 0 **U Kyselky** [50]<420XK04228."3 0**

Haematopota crassicornis Ycjdngti."3:6:

Gxtqrumq/|^arcfqkdk um "ngup|ftwj"tq|-|gp "qf"TMrep numc^ax"Rqtvi cnumw"ej {d}f|"r gu"Dtkv/um²quvtqx {"*Umcpfk^axkk."Wtcn^c|^arcfp|"Ukdk 0"lkflp|"j tckeg"ctg^anw"lg^ank o kvqx^apc"Crgpkpk o k^c"lkflp|"^au"fl|Mctrcvum²jq"qdnqwmw⁰Vcm²"Cnvc"l"Mcxmc|0" Fqmcfc {"ej {d}f"x"r^au"qf"Hkpumc^a"r gu" Rqdcnvm²tgrwdnkm {"*u"x lk o mqw"Nkvx {+."D nqtwumq."Wmtclpw."Oqnf^axkk^c"qdcnuc^a"r k"Meurkmw⁰" Fcn-|o" dⁿ o" o"flug o"lg" Dqupc^c" J gtegiqxkpc."Utumq^c" gtp^a" Jqt."Cnd^apkg." Ocmgfqpkk." Dwnjctumq^c" gemq^a*Ejx^anc"4229+0" Nctx{"ug"x{um{vw|}x"dcjp "d gj "t{dp|m "c"lg|gt."pc"ngu/p|e|j"o q^angej^c"x"o gcpftgej" | gm^a*Lgflgm"3; 93+0

Ogcpft{Uo f²RT}[50]<360XK0/360XK04229.3 0 Quarré PP [37]<80XKK04223.3 0 T{d^fnqw m{RT}[64]<320/480XK04225.3 =480XK0/;0XKK04225.3" 0

Haematopota italica Ogkigp."3:26

Gxtqrum "ftwj."x um{v}qf"R{tgpplum²jq"rqnqqvqtqxc"r gu"uv^av{"r k"Ugxgtpf"o"c"Dcnvum²o"o q k.TMx²fumq*Pqtumq"qHkpumq"pg o" f"qmmcf."tqxp fl"Mct²nkq"ç"À|g o"r k"Dctgpvuqx "o q k+."Rgvtqj tcfumqw"qdcuv"cf"rq"Wtcn"qMcurkm0"X um{v}lg"jn^a-gp"x" |g o"fej"uv gfpf"ç"lkfipf"Gxtqr {"*x gvp "p mvgt ej"quvtqx "xg"Uv gfg o q "+"."vcm²"x"Vwtgemw0"Ej {d^fpc"Dtkvum ej"quvtqxgej."x"Nqvf{-umw."D nqtwwmw."Oqnf^axkk"ç"xg"Unqxpumw0"Nctx {"rqrucn"Hqneq"*3;56+0"Ocl^fqdfqdp²"p^a tqm {"pc"xjqfp "uwdvut^av"lcmq"x-gej p {" |fg"wxgfgp²"ftwj {"tqfw"Haematopota)

Arnoltice [1]<4:0XK04225.3 0 gtpqwu{/X'Rqk}[8<360XK0/360XK04229.4 =470XKK0/390XKK04229.7" 0 Horní Pertoltice [14]<360XK0/30XKK04229.4 0 Kunratice [23]<440XK04228.3" 0 Ogcpft{Uo f²RT}[50]<3;0XK04224.3 0 Minkovice [31]<440XK04228.4 0 Poustecká obora [36]<440XK04228.5 0

Haematopota pluvialis *Nkppcgwu."397:+

Nkvg^atp^fÀfcig<J qtp^fRqndpw **Lgflmqx"3;96+0
Gwtqukd um "ftwj"u"x um{vg o"v²o "x"egn²Gxtqr "fqmmcf{"ej {d^frqw |g|"D nqtwwmç+qf"R{tg/pglum²jq"rqnqqvqtqxc"r gu" Dtkvum²quvtqx {"c"gzv²o p "dqtg^anpf" ^auv"umc^fpk^axum ej"uv^av "Ncrqumq+çfl"fq"x ej qf p^fUkd g0"lkfipf"j t^cpk^eg"rtqej ^a |f"r gu"Vwtgemq."Mçxmc |.Mc|cejuv^ap."Vkgp/ujcp"ç" p^w0"lgf^aug"q"r gpc-g g"vwnct²o kg"ç"cpvj tczw0"Nctx {"ug"x {x"lgf^f cuvq"ç"fcngm^q"qf"xqf {"*nqwm {"c"rcuvxkp {"x u {"rm {"rqxtejqx ej"fq n"crqf0+*Lgflgm"3;93+0

Arnoltice [1]<4:0XK04225.3" = 330XKK04225.4 0 Bílý Potok [3a,b,c]<340XKK04223.42" .5" =380XK0/60KZ.04227.4; 0 Bukovec PR [4]<350XKK04223.4" = 320/480XK04225.3" =480XK0/;0XKK04225.3" 0 gtpqwu{/X'Rqk}[8<360XK0/360XK04229.3" = 360XK0/30XKK04229.4" 0 Ferdinandov [8]<3:0XK04224.3 0 J qtpf"NW cp^f" [13]<390XK04225.3 0 Horní Pertoltice [14]<30/470XK04229.4 0 Lk gv^fp^rqf"Dwmqxw"[42<390XK04225.4 0 Jizerka [21]<0XKK04223.3 0 N^a |p "Nkdxtgfc"[46<420XK04224.3 0 Nkdgtge/Xguge"[48<90XKK04226.3 0 Ogcpft{Uo f²RT}[52<3;0XK04224.3" = 440XK0/3;0XKK04227.33 = 360XK0/30XKK04229.7" 0 Minkovice [31]<440XK04228.6 0 Pqx²O uv^fr qf"Uo tmg o"[55<420XK04224.73 0 Qnf kej qx"x"J^aHej"[56<3;0XK04225.4 0 Poustecká obora [36]<520XK04223.4" 0 Raspenava [38b]<520XKK04225.34 0 Tç-gnkpk-v"lk|gt{"PRT"[40b]<40XKK04223.6 0 Rudolfov [41]<520XKK04226.3 0 T{d^fnqw m{RT}[64<0/450XKK04225.4 0 Ux vn^a" [44]<3:0XK04224.3 0 TMqne x^t{dp^fm}[68<340XKK04223.4" = 70/390XK04224.4" = 3/0/4:0XK04224." = 4:0XK0/320XK04224.34" .3" =30/360XKK0/30XKK04224.8" .3" =30/360XKK04224.3" = 360/490XKK04224.4" 0 TMrk ^am"[69<420XKK0/50XKK04225.4 0 U Kyselky [50]<420XK0/350XKK04228.3 = 350XKK0/50XKK04228.8" 0 X^argpp "xtej"RT"[73<4;0XKK04223.4 0

Haematopota scutellata *Qnuwhlgx."Oqwejc" ("Ej x^anc."3;86+

Gxtqrum "ftwj" |p^a o "x v-kpqw" |x {"--fej"rqnj"qf"Rqtwi cnumc"r gu"uv gfpf" Gxtqrw"çfl"rq"Mc^rkm0"Ej {d^fxgTMrcp numw."x"Pk|q|g o umw."F^apumw."Unqxpumw."Dqup "ç"J gtegiqxkp ."pgllkfp l-^fo"Dcm^apw"*Cnd^apkq."Ocmg^fqpkq." gemq+."x"Oqnf^axkk"ç"D nqtwwm0"Fcⁿ-^fo"d^fh o"o"o" |vug o"x um{v}lg"Rqdcn^f."Umcp^fpk^axkg"ç"ugxgtqxejqf"Gxtqr {"x gvp "Wtcnw"*Ej x^anc"4229+0" Pc"Mc^xmc |g"ug"x |um{v}wlg"ur0"pontica."Nctx {"ug"x {x"lgf^f"x"nkvt^anw"jncxp "o cn ej"ngup"fej"xqfp"fej"p^a f^ffl^f."ogcpftgej" ^f gm"ç"x"o qm cfgej"u"ftp {"quv ke."u^fvkp"ç"um {rpk"*Lgflgm"3;93+0

Bílý Potok [3b]<3;0XKK0/60KZ.04227.3 0 Ogcpft{Uo f²RT}[50]<70/4;0XK04227.3 0 TMqne x^t{dp^fm}[68<4:0XK0/320XK04224.5 = 320XKK0/30XKK04224.5" 0 TMrk ^am"ç"Uvflqx "xtej"[69<420XK0/50XKK04225.3 0

Haematopota subcylindrica Rcpf gm²."3: :5

Gwtqukd um "ftwj"u"tq |^f gp^fo"qf"R{tgppl^f"r gu"uv^av {"r k"Ugxgtpf"o"ç"Dcnvum²o"o q k*x gvp " Dtkvum ej"quvtqx ."çng"ej {d^f |^a |pc o | "Ktum²tgrwdnkf {+."lkfip^f"TMx²fumq."uv gfpf" Gxtqrc."ugxgtpf"

Dcm^ap."Mxmc|."Mc|cejuv^ap."Vkgp/Ujcp^cx ejqf^pUkdk 0^oPc^lkjw^vVwtgemq^c~^ta^p0^X"Gxtqr " ej{d^l"x~ktqm^o"r^auw^qf^dDctgpvqxc^oqg.v^o"egn²Umc^pf^ka^xkg."Rqdcn^v"*u^xlk^omqw^r Rgvtqjctcfum²qdcncvc^cNkvx{+^rgu^Dnqtwumq."Wmtcl^kpw^cOqf^axkk^m"gtp^ow^oqk^lFcn~^fok^l oglgtcok^xtq|~^fgp^lluqwTMxectumq."Kv^angk."Dqupe^c"Jgtegiqxkpc."Cnd^apkg."Ocmgfqpk^gc["]gemq^{*}Ejx^anc⁴²²⁹⁺⁰Nctx{^ug^x{x^lgl^l"pc^qdfqdp ej^ddkvqrgej^llcmq^wr^gf^eja^lgl^eej^qftwjw^{*}Lgflgm³;93+0

Arnoltice [1]^c:4:0XK04225."3 0 Bily Potok [3d]^c:430XK04228."3 0TMqne x^t{dp^lm^l}68_<^c:390X/70XK04224."3 0

\jqf^pqegp^lx un^gfm

Pc⁷⁴jncxp^eej["]nqmcnk^aej["]*Ajtpg^o"pcx^eug³⁵fcn~^fok^lf^ln^lok^ldkvqr{+^xLk|gtum ej["] jqt^aej^cpc^{Ht}fn^cvumw^d{nq^xqdfq^dngv⁴²²²⁶⁴²²⁹|ctgi^kuvtx^app^engmg^o48["]ftwj "nggfk["]Vdc^epkf^cg^xr["]vk^tqf^gej["]eq^lr["]gfuv^cxwlg⁶:.4["]'hcwp{"qx^af " gum²tgrwdnkm{^c75.3["]" ge^j0["] \egn^mqx²j^qr^qvw^{ftwj}|lk~^vp ej^xLk|gtum ej["]jqt^aej^cqm^ql^lg["]:gwtqukd^{um}2j^q*52.:["]'+. "8["]gxtqrumq/^lrcf^qkd^kum²j^q*45.3["]'+. "8["]gxtqrum²j^q*45.3["]'+. "7["]rcngctm^vkem²j^q*3;.4["]'+. "c³"j^qnc^tm^vkem²j^q*5.:["]'+. "tq|~^fgp^l0["]M["]pgld^qcv~^fo["]nqmcnk^ao["]Lk|gtum ej["]jqt^ac^{Ht}fn^cvumc["]|["]ng^fkumc^xum{^{vw}"nggfk["]Vdc^epkf^cg^rcv["]RT["]Ogcp^ft{^Uo["]f²}52_ug³⁵ftwj{.TM^qne x^t{dp^lm^l}68_u["]32["]ftwj{."D^ll["]"Rqvm^l}5_c["] gtp^qwu{/X["]Rqnk^l}8_rq["];"ftw|^eej⁰"Pgljqlp l~^fftwj["]Tabanus maculicornis ug["]x{um{^vqxcn^{pc}58["]nqmcnk^aej["].Haematopota pluvialis pc⁴⁷.Hybomitra distinguenda pc⁴⁵.H. auripila pc³⁹c^H. bimaculata pc³⁸nqmcnk^aej⁰Pc^rrtqvk^vq^ow^gzkuvwlg["]38["]nqmcnk^vr^qw|g^ulg^fp^lo["]ftwj^go["]c⁸ftwj["]d{ⁿq^fq^mnc^fqx^app^lgp^qo["]pc^lgf^p2["]nqmcnk^v0["]

Ftwj{["]qe^jtcp^aum{^xpc^op².tgur⁰|c^cl^gp²f^qgtxgp²j^qug^lpc^ow^{dg}|q^dte^vn^{ej}"T["]*Lgflgm["]("Det^va^m4227+.lcmq^{pcr}0^ux^{um}{^vg^opc^{tc}~gn^{kp}v[~]ej["]r^gf^rqm^afcp²v^{cz}qp{["]Atylotus sublunaticornis *["]g^vg^tuv^gf^v.:3:64+.Glaucops hirsutus *Xknngtu."39:;+["]c["]Hybomitra tarandina *Nkppcgwu."397:+.ug^dq^jwflgn^pgr^qfc^{knq}rtqm^a|c^v0

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NKVGTCVWTC

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HQNEQ" I 3" D0" 3; 56<" Quugtxc |kqpk|uwmq|uxkwnrrq"fk" E j t {uq|qpc"* Jcg o cvqrqvc+ kvcnkec Ogki gp| Mem. Soc. Tosc. Sci. Natl. "66<3/330

LGfiGM" L0" 3; 92<" Nctxcg" cpf" rwrceg" qh" hqwt" Gwtqr gcp" E j t {uqru urgekgu" *Fkrvgtc. "Vcdcpkfcg+0" Acta Ent. Bohemoslov. " 89<597/5: 50

LGfiGM" L0" 3; 93<" Nctxgp" wpf" Rwr rgg" fgt" Ctv" J g rvcvq o c" r g m w e g p u *Hcd0+ " w p f" x k g t" g w t q r |kue j g p" C t v g p" f g t" I c w w p i" Jcg o cvqrqvc Ogki gp" *Fkrvgtc. "Vcdcpkfcg+0" Acta Ent. Bohemoslov. "8: <563/5730

LGfiGM" L0" 3; 98<" Dgue j t g k d w p i" f g t" Nctxcg. "Rwr rg" w p f" f g u" O @ p p e j g p u" x q p" Jcg o cvqrqvc" e u k m k U |k n 0" *Fkrvgtc. "Vcdcpkfcg+0" Acta Ent. Bohemoslov. "95<345/3490

LGfiGM" L0" 3; 99c<" Fguetkrkvpu" qh" hcu" kpuvct" nctxcg" cpf" rwrceg" qh" v j t g g" Gwtqr gcp" urgekgu" qh" Vcdcpkfcg" *Fkrvgtc+0" Acta Ent. Bohemoslov. "96<353/3640

LGfiGM" L0" 3; 99d<" Nctxcg" cpf" rwrceg" qh" v j t g g" Gwtqr gcp" J { d q o k v t c urgekgu" *Fkrvgtc. "Vcdcpkfcg+0" Acta Ent. Mus. Nat. Pragae. "5; <3; 3/4290

LGfiGM" L0" 3; 99e<" Nctxcg" cpf" rwrceg" qh" v j t g g" Gwtqr gcp" Vcdcpwu urgekgu" *Fkrvgtc. "Vcdcpkfcg+0" Acta Ent. Mus. Nat. Pragae. "5; <4; 5/5290

LGfiGM" L0" 3; 99f<" Mg { u" v q" v j g" ncu" kpuvct" nctxcg" cpf" rwrceg" qh" u q o g" Gwtqr gcp" Vcdcpkfcg" *Fkrvgtc+0" Acta Ent. Bohemoslov. "96<55; /5660

LGfiGM" L0" 3; 99g<" Nctxcg" cpf" rwrceg" qh" Gwtqr gcp" urgekgu" C v { n q w u" u w d n w p c w k e q t p k u * \ g w v t u v g f v. "3: 64+ " *Fkrvgtc. "Vcdcpkfcg+0" Acta Ent. Mus. Nat. Pragae. "5; <5; ; /6240

LGfiGM" L0" 3; 99h<" C r k e v q t k n" m g { v q" v j g" ncu" kpuvct" nctxcg" qh" u q o g" Gwtqr gcp" Vcdcpkfcg" *Fkrvgtc+0" Acta Ent. Mus. Nat. Pragae. "5; <777/7790

LGfiGM" L0" 3; : 2c<" \ q q i g q i t c r j { " q h" u q o g" k t e p k c p" u r g e k g u" q h" j q t u g" I k g u" *Fkrvgtc. "Vcdcpkfcg+0" Fkrvgtq n q i k e c" D q j g / o q u n q x c e c. "X q n 0" 40" Acta Univ. Carol., Biol. "3; 99<539/5450

LGfiGM" L0" 3; : 2d<" Q x" a f q x k v" 6" Vcdcpkfcg. " r r 0" 637/6440" k p" T Q | M Q T M P " T 0" * g f 0 + < M n f " x q x p f e j" n c t x g" j o { | w 0" | I d e n - v k L e c v k a p" m g { v q" c s w c v k e" n c t x c g" q h" k p u g e u v. 0" C e c f g o k c. R t c j c. "743" r r" *k p" E | g e j +0

LGfiGM" L0" 3; : : <" P q v q" q p" t g u w n n u" q h" E | g e j q u n x c m / k t e p k c p" g p i q o q n q i k e c n" g z r g f k v k a p u" v q" k t c p" 6" Vcdcpkfcg" *Fkrvgtc. " r r 0" 3; : /4230" k p" Q N G L P ~ G M L 0" * g f 0 + < O g f k e c r" c p f" X g v g t k p c t { " F k r v g t q n q i { 0" P r o c. I n t. C o n f e r., " P q x 0" 52" 6" F g e 0" 6. "3; : 9. "k p u 0" q h" R e t c u k q n 0" U C X" J q w u g" q h" V g e j p k e u" U X V U. " g u m" 2" D w f l q x k e g 0

LGfiGM" L0" 3; : 4<" T g x k u k q p" q h" e q m g e v k p u" q h" j q t u g" I k g u" *Fkrvgtc. "Vcdcpkfcg+0" h e w p k u v k e u. " c f f k v k a p u. " i t k f / o c r r k p i. " p g y" t g e q t f u" * r c t v" 3+0" c u l" P" a" 0" O w / 0. " c f c" R" t q f q x l. "382<334/3360

LGfiGM" L0" 3; : 7<" T g x k u k q p" q h" e q m g e v k p u" q h" j q t u g" I k g u" *Fkrvgtc. "Vcdcpkfcg+0" h e w p k u v k e u. " c f f k v k a p u. " i t k f / o c r r k p i. " p g y" t g e q t f u" * r c t v" k k +0" c u l" P" a" 0" O w / 0. " c f c" R" t q f q x l. "386<346/3480

LGfiGM" L0" 3; : : <" Vcdcpkfcg+0" k p" T Q | M Q T M P " T 0" (" X C J C T C L 0" * g f u + < " F k r v g t c" q h" v j g" R" a" n c x c" D k q u r j g t g" T g u g t x g" q h" W P G U E Q" k 0" F o l i a F a c. S c i. N a t. U n i v. M a s a r y k. B r u n., B i o l. " ; ; * 3 ; ; : + < 3 5 3 / 3 5 : 0

LGfiGM" L0" (" D C T V f M" O 0" 4222<" Vcdcpkfcg 0" k p" D C T V f M" O 0" (" X C J C T C L 0" * g f u + < " F k r v g t c" k p" c p" k p f w u v t c m k | " C h h g e v g f" T g i k a p" * P q t v j / Y g u g t p" D q j g o k c. " D n k p c" c p f" F w e j e q x" G p x t q p u + " k 0" F o l i a F a c. S c i. N a t. U n i v. M a s a r y k. B r u n., B i o l. " 3 2 6 < 3 5 5 / 3 5 9 0

LGfiGM" L0" (" D C T V f M" O 0" 4227<" Vcdcpkfcg" * q x" a f q x k v +. " r r 0" 498/4990" k p" H C T M C " L 0. " M T f N" F 0" (" T M Q T R" M" O 0" * g f u + < g t x g p" u g | p c o" q j t q f l g p" e j" f t w j. " g u m" 2" t g r w d n k m / 0" D g | q d t c v m / 0" T g f" h k a v" q h" v j t g c v g p g f" u r g e k g u" k p" v j g" E | g e j" R e p u b l i c. I n v e r t e b r a t e s" 0" C i g p w t c" q e j t c p { " r" f t q f { " c" m t c l k p { " T. R t c j c. " 9 8 2" r r" * k p" E | g e j" c p f" G p i n k u j +0

LGfiGM" L0" " D C T V f M" O 0. " I T G I Q T" V 0" (" M W D" M" 0" 4227<" Vcdcpkfcg. " r r 0" 344/3490" k p" D C T V f M" O 0" (" M W D" M" 0" 0" * g f u + < " D i p t e r a o f P o d y j i N a t i o n a l P a r k a n d i t s E n v i r o n s" 0" g u m" 1" | g o f n u m" a" w p k x g t | k v c" x" R t c | g. " 6 5 4" r r 0

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LGfiMQX f" X 0" 3; 96<" U q w c u p" " u w c" x" h c w p k u v k e m" 2" j q" x / m w o w" g n g f k" q x" a f q x k v" e j" * k p u g e v c. " F k r v g t c. " V c d c p k f c g + " p c" A / g o" U U T 0" | R t g u g p v" u v c v g" q h" h c w p k u v k e" t g u g t e j" q h" j q t u g" I k g u" * k p u g e v c. " F k r v g t c. " V c d c p k f c g + " q p" v j g" v g t t k v q t | " o f C z e c h o s l o v a k i a" 0" F k u g t v c k p v" v j g u k u. " R g f c i q i k e c n" H c e w n v. " E j c t n g u" W p k x g t u k v { . " R t c j c. " ; ; " r r 0" * k p" E | g e j. " w p r w d n k u j g f +0

NGENGTES" O 0" 3; 82<" T 2 x k u k q p" u { u v 2 o c v k s w g" g v" d k i 2 q i t c r j k s w g" f g u" Vcdcpkfcg" *Fkrvgtc+0" r c n 2 c t e v k s w g u 0" X q n 0" 3<" R e p i q p k p c g" g v" E j t { u q r k p c g 0" O 2 o 0" k p u 0" 0" U e k 0" p c v 0" D g n i 0. " 8 5 < 3 / 9 9 0

NGENGTES" O 0" 3; 89<" T 2 x k u k q p" u { u v 2 o c v k s w g" g v" d k i 2 q i t c r j k s w g" f g u" Vcdcpkfcg" *Fkrvgtc+0" r c n 2 c t e v k s w g u 0" X q n 0" 4<" V e d c p k p c g 0" O 2 o 0" k p u 0" 0" U e k 0" p c v 0" D g n i 0. " : 2 * 3 ; 8 8 + < 3 / 4 5 9 0

OQWE J C L 0" 3; 98<" J q t u g / I k g u" *Fkrvgtc<" Vcdcpkfcg+0" q h" v j g" Y q n f 0" U { p q r v k e" E c v n c q i w g 0" Acta Ent. Mus. Nat. Pragae. " U w r r n 0" 9<3/53; : 0

OQWE J C L 0" (" E J X f N C" O 0" 3; 77<" T g x k u g" q x" a f q x k v" e j" *Fkrv. " Vcdcpkfcg+0" g u m q u n q x g p u m c" * k 0" a" u v o" E j t { u q r k p c g + 0" * T g x k u k q p" f g t" Vcdcpkfcg" *Fkrv+0" f g t" V u e j e j q u n q y c m g k" * k 0" V g k n c" E j t { u q r k p c g + 0" Z o o l. E n t o m o l. L i s t y. " D t p q. " 6<449/45: " * k p" E | g e j. " I g t o c p" u w o o 0 +0

OQWE J C L0 (" E J X f N C " O0 3 ; 78c < M " r q | p a p f " q x a f " * F k r v 0 . " V d e c p k f c g + " U n q x g p u m c 0 * C " e q p v t k d w v k p " v q " v j g " m p q y n g f i g " q h " j q t u g / l k g u " * F k r v 0 . " V d e c p k f c g + " k p " U n q x c m k c 0 / A c t a F a u n . E n t . M u s . N a t . P r a g a e . " n c " 363 / 368 " * k p " G p i n k u j . " E | g e j " k p v t q f 0 + 0

OQWE J C L0 (" E J X f N C " O0 3 ; 78d < T g x k u g " q x a f q x k v e j " * F k r v 0 . " V d e c p k f c g + " g u m q u n q x g p u m c * K K 0 " a u v " J c g o c v q / r q v k p c g + 0 * T g x k u k q p " f g t " V d e c p k f g p " * F k r v g t c + " f g t " V u e j e j q u n q y c m g k * K X 0 " V g k n c " J c g o c v q r q v k p c g + 0 " Z o o l . L i s t y . " D t p q . " 7 < 47 ; / 492 " * k p " E | g e j . " I g t o c p " u w o o 0 + 0

OQWE J C L0 (" E J X f N C " O0 3 ; 78e < T g x k u g " q x a f q x k v e j " * F k r v 0 . " V d e c p k f c g + " u d f t m { " O q t c x u m 2 j q " o w u g c 0 * T g x k u k q p " f g t " D t g o u g p " * F k r v 0 . " V d e c p k f c g + " c w u " f g t " U c o o n w p i " f g u " O @ j t k u e j g p " O w u g w o u + 0 " A c t a M u s . M o r 0 . " 63 < : 9 ; / 4 " * k p " E | g e j . " I g t o c p " u w o o 0 + 0

OQWE J C L0 (" E J X f N C " O0 3 ; 78f < T g x k u g " q x a f q x k v e j " * F k r v 0 . " V d e c p k f c g + " u d f t m { " X k o o g t q x { 0 " * T g x k u k q p " f g t " V d e c p k f g p " * F k r v g t c + " c w u " C p 0 " X k o o g t i u " U c o o n w p i + 0 " R f 0 " U d q 0 " Q u v t c x 0 " m t e l g . " Q r c x c . " 39 < 369 / 373 " * k p " E | g e j . " I g t o c p " u w o o 0 + 0

OQWE J C L0 (" E J X f N C " O0 3 ; 7 : c < T g x k u g " q x a f q x k v e j " * F k r v 0 . " V d e c p k f c g + " g u m q u n q x g p u m c * K K 0 " a u v < V d e c p k p c g < V d e c p w u u 0 " u t 0 + 0 * T g x k u k q p " f g t " V d e c p k f g p " * F k r v g t c + " f g t " V u e j e j q u n q y c m g k * K K 0 " V g k n c < V d e c p k p c g < V d e c p w u " u 0 " u t 0 + 0 " Z o o l . L i s t y . " D t p q . " 9 < 3 ; / 4 ; 3 ; 9 " * k p " E | g e j . " I g t o c p " u w o o 0 + 0

OQWE J C L0 (" E J X f N C " O0 3 ; 7 : d < " w t " M g p p v p k u " f g t " I c w w p i " V j g t k r n g e v g u \ g m g t " 3 : 64 " * F k r v g t c . " V d e c p k f c g + 0 " A c t a E n t . M u s . N a t . P r a g a e . " 54 < 793 / 7 : 4 0

OQWE J C L0 (" E J X f N C " O0 3 ; 7 ; e < M " r q | p c p f " q x a f q x k v e j " * F k r v 0 . " V d e c p k f c g + " x " T { e j n g d u m e j " j q t a e j 0 * " w t " G t m g p p v p k u " f g t " D t g o u g p " * F k r v 0 " V d e c p k f c g + " f g u " T g k e j g p u v k p g t " I g d k t i g u + . " r 0 " 523 / 527 0 " k p < T { e j n g d u m 2 " j q t . " U d q t p f m " r t c e f " q r " f t q f p e j " r q o t g e j . " Q u v t c x c * k p " E | g e j . " I g t o c p " u w o o 0 + 0

OQWE J C L0 (" E J X f N C " O0 3 ; 7 ; d < M " r q | p a p f " q x a f q x k v e j " O q t c x { " c " U n q x g p u m c 0 * " w t " M g p p v p k u " f g t " V d e c p k f g p / H w p c " O @ j t g p u w p f " f g t " U n q y c m g k + 0 " c u l " U n g / 0 " O w u 0 . " * C + . " Q r c x c . " : < 33 ; / 348 " * k p " E | g e j . " I g t o c p " u w o o 0 + 0

OQWE J C L0 (" E J X f N C " O0 3 ; 7 ; e < T g x k u g " q x a f q x k v e j " * F k r v 0 . " V d e c p k f c g + " g u m q u n q x g p u m c * K X 0 " a u v < V d e c p k p c g 4 + 0 * T g x k u k q p " f g t " V d e c p k f g p " * F k r v g t c + " f g t " V u e j e j q u n q y c m g k * K X 0 " V g k n c < V d e c p k p c g 4 + 0 " Z o o l . L i s t y . " D t p q . " : < 383 / 396 " * k p " E | g e j . " I g t o c p " u w o o 0 + 0

OQWE J C L0 (" E J X f N C " O0 3 ; 7 ; f < \ y g k v t " D g k v t c i " | w t " M g p p v p k u " f g t " I c w w p i " V j g t k r n g e v g u \ g m g t " 3 : 64 " * F k r v g t c . " V d e c p k f c g + 0 " A c t a E n t . M u s . N a t . P r a g a e . " 55 < 325 / 327 0

OQWE J C L0 (" E J X f N C " O0 3 ; 83 < M " r q | p a p f " q x a f q x k v e j " g u m q u n q x g p u m c 0 * " w t " M g p p v p k u " f g t " V d e c p k f g p / H w p c " f g t " V u e j e j q u n q y c m g k . " F k r v g t c . " V d e c p k f c g + 0 " c u l " U n g / 0 " O w u 0 . " * C + . " Q r c x c . " 32 < 79 / 83 " * k p " E | g e j . " I g t o c p " u w o o 0 + 0

OQWE J C L0 (" E J X f N C " O0 3 ; 86 < P q v g u q p v j g i g p w u V j g t k r n g e v g u \ g m g t . " 3 : 64 " * F k r v g t c . " V d e c p k f c g + 0 " R q | p a o m { " m " t q f w " V j g t k r n g e v g u " \ g m g t . " 3 : 64 " * F k r v g t c . " V d e c p k f c g + 0 " c u l " u l " U r q n 0 " G p v q o q n 0 . " 83 < 322 / 327 0

OQWE J C L0 (" E J X f N C " O0 3 ; 89 < D g u e j t g k d w p i " f g u " O @ p p e j g p u x p " J c g o c v q r q v c u e w g m c v c " p g d u v " D g o g t m w p i g p " A d g t " f k g " I c w w p i " J c g o c v q r q v c " O g k i 0 " k p " f g t " V u e j e j q u n q y c m g k * F k r v g t c . " V d e c p k f c g + 0 " A c t a E n t . B o h e m o s l o v 0 . " 86 < 446 / 453 0

OQWE J C L0 (" E J X f N C " O0 3 ; 8 ; < F k g " I c w w p i " J { d q o k v t c " G p f g t n g k p . " 3 ; 44 " k p " f g t " V u e j e j q u n q y c m g k * F k r v g t c . " V d e c p k f c g + 0 " A c t a F a u n . E n t . M u s . N a t . P r a g a e . " 34 < 485 / 4 ; 6 0

OQWE J C L0 (" E J X f N C " O0 3 ; 8 ; < \ w t " M g p p v p k u " f g t " D t g o u g p i c w w p i " C v { a q w u " Q u v g p / U c e m g p " k p " f g t " V u e j e j q u n q y c m g k * F k r v g t c . " V d e c p k f c g + 0 " A c t a E n t . B o h e m o s l o v 0 . " 88 < 543 / 54 ; 0

QNUWHLGX " P 0 I 0 . " OQWE J C L0 (" E J X f N C " O0 3 ; 86 < E j t { u q | q p c " u e w g m c v c " u r 0 " p 0 " c w u " O k w v n g w t q r c " * F k r v g t c . " V d e c p k f c g + 0 " c u l " u l " U r q n 0 " G p v q o q n 0 . " 83 < 4 : 6 / 4 : 8 0

QNUWHLGX " P 0 I 0 . " OQWE J C L0 (" E J X f N C " O0 3 ; 89 < \ w t " V e z q p q o k g w p f " X g d t g k v w p i " f g t " g w t q r @ k u e j g p w p f " m n g k p / c u k v k u e j g p " C t v g p " f g t " V d e c p w u " d q x k p w u / I t w r r g " * F k r v g t c . " V d e c p k f c g + 0 " A c t a E n t . B o h e m o s l o v 0 . " 86 < 525 / 535 0

RTWPGT " N 0 (" O " M C " R 0 " 3 ; ; 8 < U g | p c o " q d e f " c " l g l k e j " a u f " x " g u m 2 " t g r w d n k e g " u " f u n { " o c r q x e j " r q m f " r t q u f " q x 2 " o c r q x " p " h w p { 0 " N k u v " q h " u g v n g o g p w " k p " v j g " E | g e j " T g r w d n k e " y k v j " c u u q e k v g f " o c r " L g n f " e q f g u " h a t " h w p k u v k e " i t k f " o c r r k p i " u { u g o + 0 " K l a p a l e k i a n a , 54 " * U w r n 0 < 3 / 337 " * k p " E | g e j . " G p i n k u j " u w o o 0 + 0

UQDQNGXC " T 0 I 0 . " D Q F T Q X C " W 0 F 0 (" M K T R K E J P K M Q X C " X 0 C 3 ; 96 < " J c v e j k p i " u k u g " q h " i c f l k u " * F k r v g t c . " V d e c / p k f c g + " k p " v j g " p q t v j " q h " R t k o q t { g " v g t t k v t { 0 " H w p c " c p f " G e a q i { " q h " v j g " F k r v g t c p u " q h " v j g " U q x k g " H c t " G e u 0 " P r o c . B i o l . I n s t 0 . " 3 : " * 344 < 323 / 33 : " * k p " T w u u k e p . " G p i n k u j " u w o o 0 + 0

XK O O G T " C 0 3 ; 35 < U g | p c o " g u m 2 j q j o { | w " f x q w m " f f n 2 j q " * E c v n q i w u " F k r v g t q t w o + 0 " N k u v " q h " E | g e j " H n k u " * E c v n q i w u " F k r v g t q t w o + 0 " G p v q o 0 " r " f w m f . " : < 3 ; ; 0 " g u m a " u r q n 0 " g p v q o q n q i k e m a . " R t c j c " * k p " E | g e j + 0

XQPK " M C " R 0 " 422 : < G p v q o q n q i k e m " x | m w o " L k | g t u m e j " j q t " c " H t f n c p v u m c " x " h v g e j " 4222 / 4229 0 * G p v q o q n q i k e m " u w t x g { " q h " v j g " L k | g t u m 2 " j q t { " O v u " c p f " H t f n c p v " t g i k q p " k p " 4222 / 4229 + 0 " U d q t p 0 " U g x g t g u 0 " O w 0 . " R f 0 " X f f . " N k d g t g e . " 48 < 5 / 34 " * k p " E | g e j . " G p i n k u j " u w o o 0 + 0

XQPK " M C " R 0 (" X K 0 " f M " T 0 " 422 : < \ a " m n c f p " e j c t c m v g t k u v k m c " | m q w o c p 2 j q " A | g o " L k | g t u m e j " j q t " c " H t f n c p v u m c 0 " * I g p t c n " e j c t c e v g t k u v k e " q h " v j g " u w f { " c t g c " k p " v j g " L k | g t u m 2 " j q t { " O v u " c p f " H t f n c p v " t g i k q p + 0 " U d q t p 0 " U g x g t g u 0 " O w 0 . " R f 0 " X f f . " N k d g t g e . " 48 < 35 / 55 " * k p " E | g e j . " G p i n k u j " u w o o 0 + 0

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